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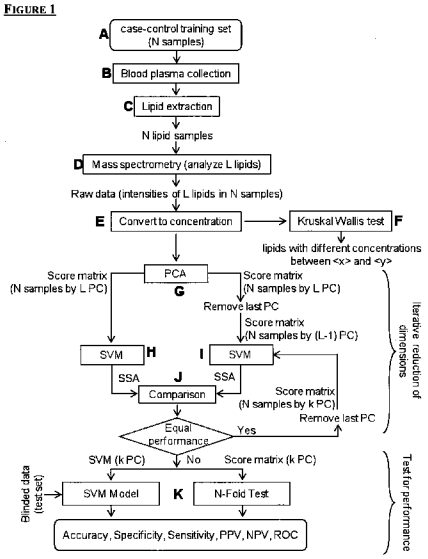
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(54) Title: LIPID TUMOUR PROFILE

FIGURE 1



(57) Abstract: We describe a method of generating a classification model capable of distinguishing between two biological states, the method comprising the steps of: (a) providing a training dataset, *X*, comprising concentrations of a plurality of lipids in a biological sample in a first state and a biological sample in a second state; (b) subjecting the training dataset *X* to Principal Components Analysis (PCA), in which the PCA analysis generates a transformation matrix, *C*, and a transformed dataset, Y_1; (c) subjecting the transformed dataset Y_1 to Support Vector Machines (SVM) analysis, in which the SVM analysis generates a SVM model, *S*; (d) forming a classification model comprising (i) the transformation matrix *C*, and (ii) the corresponding SVM model *S*.

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LIPID TUMOUR PROFILE

FIELD

The present invention relates to the fields of medicine, cell biology, molecular biology and genetics.

BACKGROUND

Ovarian tumor is the fifth leading cause of cancer-related death and is difficult to diagnose and monitor. Although ovarian cancer accounts for about 4 percent of all cancers in women, it has the highest mortality of all gynecologic cancers, being a silent killer because it is often diagnosed at an advanced stage.

Ovarian cancer may be diagnosed, in part, by collecting a routine medical history from a patient and by performing physical examination, x-ray examination, and chemical and hematological studies on the patient. Hematological tests which may be indicative of ovarian cancer in a patient include analyses of serum levels of proteins designated CA125 and DF3 and plasma levels of lysophosphatidic acid (LPA). Palpation of the ovaries and ultrasound techniques (particularly including endovaginal ultrasound and color Doppler flow ultrasound techniques) can aid detection of ovarian tumors and differentiation of ovarian cancer from benign ovarian cysts. However, a definitive diagnosis of ovarian cancer typically requires performing exploratory laparotomy of the patient.

Thus, while abnormal growth corresponding to ovaries can be monitored by ultrasonography or by the serum marker, CA125, determining whether the growth is benign or malignant is not possible without biopsies. Biopsies are typically done after surgery and the tissue growth is taken for various pathological examinations. This is a tedious and time consuming procedure. The patient is usually out of the surgery room by the time the information is acquired.

Detection and proper measures for the control of the disease by surgery at the early stages can prevent the patient from undergoing agonizing radio and chemotherapy. Such procedures also often, in the most advanced cases, have no substantial curative effects.

Current diagnostic methods include serological diagnostics, which determine the level of CA-125, a protein produced by ovarian cancer cells. While CA-125 is an important test, it

unfortunately is not always accurate. For example, some ovarian cancers may not produce enough CA-125 levels to cause a positive test result. Although the level of this antigen is elevated in nearly 80% of the patients with advanced stages of the cancer, expression may be low in early stages of ovarian cancer. Serum CA125 levels may also be falsely elevated in patients having other gynecological conditions like serosa of the peritoneum or pericardium, uterine fibroids, renal disorders or even pregnancy and normal menses.

Other current diagnostic methods include trans-vaginal ultrasound (TVU), which may be conducted alone or in combination with CA-125 testing. These methods can detect ovarian cancer but can also produce many false-positive test results. Use of ultrasound in conjunction with the CA125 has a positive predictive value of only 20%. It is estimated that three out of every four surgeries carried out are for non-malignant conditions, and these could possibly have been avoided saving the patients from the surgical trauma.

The diagnostic and prognostic tools presently available are therefore not adequate to predict the onset of the disease.

Genomic and proteomic techniques for the discovery of novel biomarkers for ovarian cancer from body fluids are known. The blueprints derived from these methods have recently shown assurance for early ovarian cancer detection, but further studies regarding their reproducibility and reliability for early detection and screening are needed.

Some of these proteins which are predicted to have a role as biomarker for ovarian cancer include M-CSF, mesothelin, α-folate receptor, OVX1, CA72-4, Prostasin, Osteopontin, Inhibin and Kallikrien.

Recently there has been an interest in using lysophosphatidic acid (LPA) as a biomarker for ovarian cancer. LPA has been shown to stimulate the proliferation of ovarian cancer cells and has been found in blood of ovarian cancer patients. LPA as a biomarker has been shown to have a sensitivity of 100% in advanced stage and almost 90% in the early stages.

However, the use of LPA as a biomarker for ovarian cancer has been highly controversial. In some studies no significant change in LPA levels in the ovarian cancer patients have been observed, raising questions about the utility of LPA as a biomarker. Some

of the discrepancies were attributed to differences in the isolation protocol of plasma as activated platelets could also generate LPA. This lipid is also elevated in patients with other gynecological manifestations.

There is therefore a need for a method of detecting and diagnosing cancers such as ovarian cancers.

SUMMARY

According to a 1st aspect of the present invention, we provide a method of generating a classification model capable of distinguishing between two biological states, the method comprising the steps of: (a) providing a training dataset, *X*, comprising concentrations of a plurality of lipids in a biological sample in a first state and a biological sample in a second state; (b) subjecting the training dataset *X* to Principal Components Analysis (PCA), in which the PCA analysis generates a transformation matrix, *C*, and a transformed dataset, Y_t; (c) subjecting the transformed dataset Y_t to Support Vector Machines (SVM) analysis, in which the SVM analysis generates a SVM model, *S*; (d) forming a classification model comprising (i) the transformation matrix *C*, and (ii) the corresponding SVM model *S*.

The plurality of lipids may include a plurality of choline lipids, such as phosphatidylcholine (GPCho) or sphingomyelin (SM) or both. It may further optionally comprise one or more of phosphatidic acid (GPA), phosphatidylglycerol (GPGro), phosphatidylserine acid (GPSer), sulfatides, cardiolipin, phosphatidylethanolamine (GPEtn), phosphatidylinositol (GPIns), phosphatidylinositol phosphates (GPInsPs), ceramide (Cer), mono hexosyl ceramide (MonoHexCer) and di hexosyl ceramide (DiHexCer). It may comprise all the aforementioned lipids.

The plurality of lipids may comprise the lipids set out in Table D1. It may comprise the lipids set out in Table D2. It may comprise the lipids set out in Table D3. It may comprise the lipids set out in Table E4. It may comprise the lipids set out in Table E6.

The two biological states may comprise a normal state and a diseased state. The diseased state may comprise a cancerous or tumour state, for example ovarian cancer.

The classification model may be capable of achieving a sensitivity of 98.99% or more. It may be capable of achieving specificity of 92.31% or more. It may be capable of achieving

a PPV of 97.03% or more. It may be capable of achieving a NPV of 97.30%. It may be capable of achieving more or an accuracy of 97.10% or more. It may be capable of achieving one or more, such as all, of the above.

The two biological states may comprise a benign state and a malignant state, such as of ovarian cancer.

The classification model may be capable of achieving a sensitivity of 94.92% or more. It may be capable of achieving a specificity of 82.50% or more. It may be capable of achieving a PPV of 88.89% or more. It may be capable of achieving a NPV of 91.67% or more. It may be capable of achieving an accuracy of 89.90% or more. It may be capable of achieving one or more, such as all, of the above.

The two biological states may comprise an early tumour stage and a late tumour stage, such as of ovarian cancer.

The classification model may be capable of achieving a sensitivity of 100%. It may be capable of achieving a specificity of 81.82% or more. It may be capable of achieving a PPV of 90.24% or more. It may be capable of achieving a NPV of 100%. It may be capable of achieving an accuracy of 93.22% or more. It may be capable of achieving one or more, such as all, of the above.

The method may further comprise a step (c1) between step (c) and step (d). The additional step may comprise repeating steps (b) and (c) and selecting principal components which enable optimal classification in step (c).

The method may be such that optimal classification in step (c1) is determined by assessing the output of the SVM for sensitivity, specificity and accuracy at each iteration

The classification model may further comprise (iii) the number of selected principal components enabling optimal classification in step (c).

Step (c1) may comprise retaining principal components that perform at least 55%, 65%, 75%, 85%, 90%, 95%, 96%, 97%, 98%, 99%, 99.5%, 99.6%, 99.7%, 99.8%, 99.9% or 100% as well as the full dataset, after step (e), as assessed by any combination of sensitivity, specificity, PPV, NPV, accuracy, true negatives (TN), false negatives (FN), false positives

(FP) and true positives (TP). It may comprise removing factors which do not significantly affect the performance of the SVM model. It may comprise retaining principal components whose eigenvalues are greater than or equal to 1. It may comprise retaining principal components that explain at least 55%, 65%, 75%, 85%, 90%, 95%, 96%, 97%, 98%, 99%, 99.5%, 99.6%, 99.7%, 99.8% or 99.9% of the variance in the dataset. It may comprise retaining principal components that in a scree plot of eigenvalues show a smooth decrease of eigenvalues or which are to the left of a levelling off or significant decrease in gradient or elbow in the plot (scree test). Step (c1) may comprise one or more of the above. It may comprise all of the above.

The method may comprise implementing SVM using a default linear kernel. SVM_{light} may be used.

The biological sample may comprise a serum sample of or from an individual.

The lipids may be identified by mass spectroscopy. The mass spectroscopy may comprise electrospray ionization mass spectrometry (ESI-MS). The lipids may be quantified by multiple reaction monitoring (MRM). The lipids may be identified and quantified as set out above.

The concentration of each lipid may be normalized by obtaining $Lipid_i = \frac{x_i}{[Std].\sum_{i=1}^{n} x_i}$,

where x_i is the intensity of a $lipid_i$ and Std is the ratio of the intensity to the amount in pmoles of a lipid standard.

There is provided, according to a 2nd aspect of the present invention, a classification model obtained by a method according to the 1st aspect of the invention.

We provide, according to a 3rd aspect of the present invention, a classification model capable of distinguishing between a normal sample and an ovarian cancer sample. The classification model may comprise: (a) a 340 x 340 transformation matrix as shown in Appendix B1 and an SVM model as shown in Appendix C1; (b) a 340 x 85 transformation matrix comprising the first 85 columns of the matrix as shown in Appendix B1 and an SVM model as shown in Appendix C4; (c) a 340 x 10 transformation matrix comprising the first 10 columns of the matrix as shown in Appendix B1 and an SVM model as shown in Appendix

C7; (d) a 82 x 82 transformation matrix as shown in Appendix B4 and an SVM model as shown in Appendix C10; or (e) a 77 x 77 transformation matrix as shown in Appendix B7 and an SVM model as shown in Appendix C13.

As a 4th aspect of the present invention, there is provided a classification model capable of distinguishing between a benign cancer sample and an malignant cancer sample. The classification model may comprise: (a) a 340 x 340 transformation matrix as shown in Appendix B2 and an SVM model as shown in Appendix C2; (b) a 340 x 87 transformation matrix comprising the first 87 columns of the matrix as shown in Appendix B2 and an SVM model as shown in Appendix C5; (c) a 340 x 29 transformation matrix comprising the first 29 columns of the matrix as shown in Appendix B2 and an SVM model as shown in Appendix C8; (d) a 82 x 82 transformation matrix as shown in Appendix B5 and an SVM model as shown in Appendix C11; or (e) a 77 x 77 transformation matrix as shown in Appendix B8 and an SVM model as shown in Appendix C14.

We provide, according to a 5th aspect of the present invention, a classification model capable of distinguishing between an early stage cancer sample and a late stage cancer sample. The classification model comprise (a) a 340 x 340 transformation matrix as shown in Appendix B3 and an SVM model as shown in Appendix C3; (b) a 340 x 44 transformation matrix comprising the first 44 columns of the matrix as shown in Appendix B3 and an SVM model as shown in Appendix C6; (c) a 340 x 82 transformation matrix comprising the first 82 columns of the matrix as shown in Appendix B3 and an SVM model as shown in Appendix C9; (d) a 82 x 82 transformation matrix as shown in Appendix B6 and an SVM model as shown in Appendix C12; or (e) a 77 x 77 transformation matrix as shown in Appendix B9 and an SVM model as shown in Appendix C15.

The present invention, in a 6th aspect, provides a computer readable medium comprising a classification model as set out above.

In a 7th aspect of the present invention, there is provided a method of determining the status of a sample, the method comprising (i) providing a dataset comprising concentrations of a plurality of lipids in the sample and (ii) applying a classification model as set out above.

The plurality of lipids may include a plurality of choline lipids, such as phosphatidylcholine (GPCho) or sphingomyelin (SM) or both. It may further optionally

comprises phosphatidic acid (GPA), phosphatidylglycerol (GPGro), phosphatidylserine acid (GPSer), sulfatides, cardiolipin, phosphatidylethanolamine (GPEtn), phosphatidylinositol (GPIns), phosphatidylinositol phosphates (GPInsPs), ceramide (Cer), mono hexosyl ceramide (MonoHexCer) and di hexosyl ceramide (DiHexCer).

The plurality of lipids may comprise the lipids set out in Table D1. It may comprise the lipids set out in Table D2. It may comprise the lipids set out in Table D3. It may comprise the lipids set out in Table E4. It may comprise the lipids set out in Table E6.

The method may be used for determining whether a sample is a normal sample or an ovarian cancer sample. Such a method may comprise (i) transforming the dataset with a transformation matrix of a classification model according to the 3rd aspect of the invention to generate a transformed dataset, and (ii) subjecting the transformed dataset to Support Vector Machines (SVM) analysis with an SVM model of the classification model, in which an output of > 0 indicates a normal sample and an output of < 0 indicates an ovarian cancer sample.

According to an 8th aspect of the present invention, we provide a method of obtaining an indication useful in the diagnosis of ovarian cancer in an individual, the method comprising conducting such a method on a sample of or from a patient, in which an output of < 0 indicates that the individual is suffering from ovarian cancer.

The method may be used for determining whether a sample is a benign or malignant ovarian cancer sample, the method comprising (i) transforming the dataset with a transformation matrix of a classification model according to the 4th aspect of the invention to generate a transformed dataset, and (ii) subjecting the transformed dataset to Support Vector Machines (SVM) analysis with an SVM model of the classification model, in which an output of > 0 indicates a benign sample and an output of < 0 indicates a malignant sample.

We provide, according to a 9th aspect of the invention, a method of obtaining an indication useful in the diagnosis of an individual suffering from a malignant ovarian cancer, the method comprising conducting such a method on a sample of or from a patient, in which an output of > 0 indicates that the individual is suffering from a benign ovarian cancer and an output of < 0 indicates that the individual is suffering from a malignant ovarian cancer.

The method may be used for determining whether a sample is an early stage cancer or a late stage ovarian cancer sample, the method comprising (i) transforming the dataset with a transformation matrix of a classification model according to the 5th aspect of the invention to generate a transformed dataset, and (ii) subjecting the transformed dataset to Support Vector Machines (SVM) analysis with an SVM model of the classification model, in which an output of > 0 indicates an early stage cancer sample and an output of < 0 indicates a late stage cancer sample.

There is provided, in accordance with a 10th aspect of the present invention, a method of obtaining an indication useful in the diagnosis of an individual suffering from a late stage ovarian cancer, the method comprising conducting such a method on a sample of or from a patient, in which an output of > 0 indicates that the individual is suffering from an early stage ovarian cancer and an output of < 0 indicates that the individual is suffering from a late stage ovarian cancer.

As an 11th aspect of the invention, we provide a method of detecting, and optionally classing, ovarian cancer in an individual, the method comprising: (a) providing a dataset comprising concentrations of the lipids set out in Table D1, Table D2, Table D3, Table E4 or Table E6 in a sample from or of the individual; (b) transforming the dataset with a transformation matrix of a classification model according to the 3rd aspect of the invention to generate a transformed dataset, and subjecting the transformed dataset to Support Vector Machines (SVM) analysis with an SVM model of the classification model, in which an output of > 0 indicates a normal sample and an output of < 0 indicates an ovarian cancer sample; and (c) in the case of the latter, further transforming the dataset with a transformation matrix of a classification model according to the 4th aspect of the invention to generate a transformed dataset and subjecting the transformed dataset to Support Vector Machines (SVM) analysis with an SVM model of the classification model; in which an output of < 0 indicates a benign sample and an output of < 0 indicates a malignant sample; (d) in the case of the latter, further transforming the dataset with a transformation matrix of a classification model according to the 5th aspect of the invention to generate a transformed dataset and subjecting the transformed dataset to Support Vector Machines (SVM) analysis with an SVM model of the classification model; in which an output of > 0 indicates an early stage sample and an output of < 0 indicates a late stage sample.

The methods described above may be implemented as computer implemented methods.

We provide, according to a 12th aspect of the invention, there is provided a method of treatment or prevention of cancer, such as ovarian cancer, in an individual, the method comprising any one or more of detecting or diagnosing the cancer and optionally classing the cancer, in an individual by a method as set out above, and administering a suitable treatment or prophylactic, such as a drug known or suspected to be useful for treating cancer, to the individual.

According to a 13th aspect of the present invention, we provide a method of generating a classification model capable of distinguishing between two biological states, the method comprising the steps of: (a) providing a training dataset, X, comprising concentrations of a plurality of lipids in a biological sample in a first state and a biological sample in a second state; (b) subjecting the training dataset X to Principal Components Analysis (PCA) to generate a transformation matrix, C, comprising principal component coefficients; and a representation, Y, of the dataset X in the principal component space; (c) forming an input vector, Y_l, comprising the l most significant row vectors of Y; (d) subjecting the input vector Y_l to Support Vector Machines (SVM) analysis; (e) repeating steps (c) and (d) with varying l to determine a minimum dimension, l_{min}, of the principal component space sufficient to obtain optimal classification; (f) forming a classification model comprising (i) the transformation matrix C, (ii) the minimum dimension l_{min}, and (ii) the SVM model comprising SVM weights corresponding to the minimum dimension l_{min}.

There is provided, according to a 14th aspect of the present invention, a combination of lipids selected from the group consisting of: (a) lipids shown in Table D1; (b) lipids shown in Table D2; (c) lipids shown in Table D3; (d) lipids shown in Table E4; and (e) lipids shown in Table E6.

We provide, according to a 15th aspect of the present invention, a combination of lipids comprising two or more, such as at least 5, lipids selected from Table D1, Table D2, Table D3, Table E4 or Table E6.

We provide, according to a 16th aspect of the present invention, a classification model selected from the group consisting of: (a) a classification model capable of distinguishing

between a normal sample and a diseased (ovarian cancer) sample comprising: (i) an n x m transformation matrix, where $n < 340$ and $1 \leq m \leq n$, comprising the first m columns of the matrix shown in Appendix B1; and (ii) an SVM model generated from applying SVM analysis on a transformed dataset, the transformed dataset being generated by transforming a dataset comprising concentrations of the first n lipids shown in Table D3 in a normal sample and a diseased (ovarian cancer) sample with an n x m transformation of (a)(i); (b) a classification model capable of distinguishing between a benign sample and a malignant sample comprising: (i) an n x m transformation matrix, where $n < 340$ and $1 \leq m \leq n$, comprising the first m columns of the matrix shown in Appendix B2; and (ii) an SVM model generated from applying SVM analysis on a transformed dataset, the transformed dataset being generated by transforming a dataset comprising concentrations of the first n lipids shown in Table D3 in a benign sample and a malignant sample with an n x m transformation matrix of (b)(i); (c) a classification model capable of distinguishing between an early stage sample and a late stage sample comprising: (i) an n x m transformation matrix, where $n < 340$ and $1 \leq m \leq n$, comprising the first m columns of the matrix shown in Appendix B3; and (ii) an SVM model generated from applying SVM analysis on a transformed dataset, the transformed dataset being generated by transforming a dataset comprising concentrations of the first n lipids shown in Table D3 in an early stage sample and a late stage sample with an n x m transformation matrix of (c)(i).

The practice of the present invention will employ, unless otherwise indicated, conventional techniques of chemistry, molecular biology, microbiology, recombinant DNA and immunology, which are within the capabilities of a person of ordinary skill in the art. Such techniques are explained in the literature. See, for example, J. Sambrook, E. F. Fritsch, and T. Maniatis, 1989, *Molecular Cloning: A Laboratory Manual*, Second Edition, Books 1-3, Cold Spring Harbor Laboratory Press; Ausubel, F. M. et al. (1995 and periodic supplements; *Current Protocols in Molecular Biology*, ch. 9, 13, and 16, John Wiley & Sons, New York, N.Y.); B. Roe, J. Crabtree, and A. Kahn, 1996, *DNA Isolation and Sequencing: Essential Techniques*, John Wiley & Sons; J. M. Polak and James O'D. McGee, 1990, *In Situ Hybridization: Principles and Practice*; Oxford University Press; M. J. Gait (Editor), 1984, *Oligonucleotide Synthesis: A Practical Approach*, Irl Press; D. M. J. Lilley and J. E. Dahlberg, 1992, *Methods of Enzymology: DNA Structure Part A: Synthesis and Physical Analysis of DNA* Methods in Enzymology, Academic Press; Using Antibodies : A Laboratory Manual :

Portable Protocol NO. I by Edward Harlow, David Lane, Ed Harlow (1999, Cold Spring Harbor Laboratory Press, ISBN 0-87969-544-7); Antibodies : A Laboratory Manual by Ed Harlow (Editor), David Lane (Editor) (1988, Cold Spring Harbor Laboratory Press, ISBN 0-87969-314-2), 1855. Handbook of Drug Screening, edited by Ramakrishna Seethala, Prabhavathi B. Fernandes (2001, New York, NY, Marcel Dekker, ISBN 0-8247-0562-9); and Lab Ref: A Handbook of Recipes, Reagents, and Other Reference Tools for Use at the Bench, Edited Jane Roskams and Linda Rodgers, 2002, Cold Spring Harbor Laboratory, ISBN 0-87969-630-3. Each of these general texts is herein incorporated by reference.

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 is a chart illustrating the work flow for development of binary classifiers for ovarian cancers based on multiparameter analysis of plasma lipids and supervised learning. The flow diagram summarises the methodology for building the prediction model and diagnosis of unknown samples.

Figure 2 is a flowchart showing the training process.

Figure 3 illustrates the ESI profile of a representative plasma sample.

Figure 4 illustrates the flow diagram of the samples. Case-control study setup. A total of 211 samples are randomly separated into a training set and a test set. The training set comprises 39 controls and 99 patients with 40 benign and 59 malignant forms of cancers, respectively. The model is built based on this training set and evaluated on the remaining 73 test samples.

Figure 5 shows comparative sample lipid levels. Raw data of multiparameter lipid analysis. The levels of individual lipids in plasma samples are quantified by electrospray ionization mass spectrometry and the intensity of each pixel indicates the concentration (from 0-85 μmoles/L and 0-315 μmoles/L for lipids measured in negative and positive ionization mode, respectively). Lipid species from eleven different classes are included in this study. Phosphatidic acid (GPA), phosphatidylglycerol (GPGro), phosphatidylserine (GPSer), sulfatides (Sulf), cardiolipins (CL), phosphatidylethanolamine (GPEtn), phosphatidylinositol (PtdIns) and its singly and doubly phosphorylated derivatives (GPInsPs), phosphatidylcholine (GPCho), ceramides and their glycosyl derivatives (Cer) and sphingomyelins (SM).

Figure 6 shows principal component analysis between different sample sets. Multivariate statistical analysis and diagnostic performance in patients with different stages of ovarian cancer. Principal components analysis between (A) and (B) control and patients, (C) and (D) benign and malignant cases, (E) and (F) early and late cases and (G) and (H) control and benign and malignant cases.

Figure 7 shows diagnostic utility plot between different sets of sample of conditions. SVM output is represented as diagnostic utility matrixes for comparison between (A) control and patient, (B) benign and malignant forms of tumor differentiation, (C) early and late forms of tumour differentiation, (D) control / benign and malignant and (E) benign and early. The numbers represent true positive (TP), true negative (TN), false positive (FP) and false negative (FN) events in each category.

Figure 8 shows a receiver operating characteristics (ROC) curve comparison for differences between the different diagnostic utilities.

Figure 9 shows a receiver operating characteristics (ROC) curve comparison between the lipidomic based biomarker and the clinical biomarker CA125 for differentiation of benign samples from malignant. The dashed line and dotted lines are the individual diagnostic performances of CA-125 and lysoGPA, respectively. Note the dramatic increase in predictive performance by multiparameter lipid markers.

Figure 10 shows a layout of the predictor model with extent of changes in the concentration of some lipids between cases and controls. Representative panel illustrating the extent of changes in the concentration of individual lipids between cases and controls. Data is represented as mean ± s.e.m. and p-values obtained using the Kruskal-Wallis test.

Figure 11 shows the contribution of individual plasma lipids in diagnosis of patients with different stages of ovarian cancer. The lipid species covered in this study are represented as a pie chart. Percentages indicate the relative distribution among the 11 classes of lipids. The outer boundary of the chart depicts lyso (open) and non-lyso forms of lipids (filled). Only lipids with a difference and $p<0.001$ are shown. A blue circle indicates a increase in a particular lipid in malignant over benign forms of tumor while a red diamond reflects a decrease in the respective lipid in patient over control. Note the dramatic alterations of choline

lipids (GPCho and SM) in plasma from patients with ovarian cancer. Some of the lipid species are represented as chemical structures.

Figure 12 shows a receiver operating characteristics (ROC) curve comparison between a classification model derived from analysis of the 77 choline lipids (GPCho and SM) in Table D1 (dashed line) and a classification model derived from analysis of the 340 lipids in Table D3 (solid line).

Figure 13 is a flowchart showing the prediction process.

Figure 14 shows the layout of the predictor model. Arrangement of individual SVMs for classification of blinded samples. SVM-1 is based on the 138 training set (patient/control). SVM-2 is based on 99 patient samples (malignant/benign). SVM-3 is based on 59 samples (early/late malignancy).

APPENDICES

Appendix A: MRM Conditions for Lipids

Appendix B1: PCA Transformation Matrix (340 x 340; Normal/Diseased); Appendix B2: PCA Transformation Matrix (340 x 340; Benign/Malignant); Appendix B3: PCA Transformation Matrix (340 x 340; Early/Late); Appendix B4: PCA Transformation Matrix (82 x 82; Normal/Diseased); Appendix B5: PCA Transformation Matrix (82 x 82; Benign/Malignant); Appendix B6: PCA Transformation Matrix (82 x 82; Early/Late); Appendix B7: PCA Transformation Matrix (77 x 77; Normal/Diseased); Appendix B8: PCA Transformation Matrix (77 x 77; Benign/Malignant); Appendix B9: PCA Transformation Matrix (77 x 77; Early/Late).

Appendix C1: SVM Model Weights (340; Normal/Diseased); Appendix C2: SVM Model Weights (340; Benign/Malignant); Appendix C3: SVM Model Weights (340; Early/Late); Appendix C4: SVM Model Weights (85; Normal/Diseased); Appendix C5: SVM Model Weights (87; Benign/Malignant); Appendix C6: SVM Model Weights (44; Early/Late); Appendix C7: SVM Model Weights (10; Normal/Diseased); Appendix C8: SVM Model Weights (29; Benign/Malignant); Appendix C9: SVM Model Weights (9; Early/Late); Appendix C10: SVM Model Weights (82; Normal/Diseased); Appendix C11: SVM Model Weights (82; Benign/Malignant); Appendix C12: SVM Model Weights (82; Early/Late);

Appendix C13: SVM Model Weights (77; Normal/Diseased); Appendix C14: SVM Model Weights (77; Benign/Malignant); Appendix C15: SVM Model Weights (77; Early/Late).

Appendix D: Ovarian Cancer Training Dataset.

Appendix E1: Cumulative Performance of Model versus Number of Principal Components Selected (Normal vs Diseased; 340 Lipids). Appendix E2: Cumulative Performance of Model versus Number of Principal Components Selected (Benign vs Malignant; 340 Lipids). Appendix E3: Cumulative Performance of Model versus Number of Principal Components Selected (Early vs Late; 340 Lipids)

DETAILED DESCRIPTION

We disclose combinations of lipids which are predictive of a biological state of a sample. We describe various methods of determining the status of a sample, by determining the concentration of one or more, such as a plurality, of lipids in the sample.

We disclose the use of such combinations to predict the biological state of a sample. The methods include both biochemical and bioinformatic methods.

We disclose methods comprising assaying the concentration of particular lipids and combinations of lipids in biological samples as well as rules for determining from such lipid concentrations a biological state of the sample. The lipid concentrations of the combinations of the lipids may therefore be used in a "biochemical" method, as described below, to provide an indication of the state, condition or status of sample, such as a biological state.

The combinations of lipids, and concentrations thereof, may also be used in a "bioinformatics" method.

The bioinformatics methods involve applying classification models disclosed in this document to lipid concentration data obtained from unknown samples. The classification models may be generated using lipid concentration data from biological samples in known states, as described in detail below. The bioinformatics predictive methods may involve biochemical steps, and *vice versa*. The bioinformatics methods may comprise simply applying already generated classification models onto obtained data, or they may actually include model generation steps.

We therefore disclose classification models, methods of generating such classification models and methods of applying such classification models, which may be used bioinformatically for such predictions.

The biological state may comprise a cancerous state. It may comprise a neoplasmic state or a tumour state. The cancer may comprise ovarian cancer. The biological state may comprise a malignancy state of a cancer. The malignancy state may comprise a benign state or it may comprise a malignant state. The biological state may comprise a stage of a cancer. The stage may comprise an early stage or a late stage.

The term "ovarian cancer" as used in this document may comprise ovarian tumors, carcinomas, (e.g., carcinoma in situ, invasive carcinoma, metastatic carcinoma) and pre-malignant conditions. It further includes both benign and malignant tumors, such as ovarian germ cell tumors, e.g. teratomas, dysgerminoma, endodermal sinus tumor and embryonal carcinoma, and ovarian stromal tumors, e.g. granulosa, theca, Sertoli, Leydig, and collagen-producing stromal cells. Ovarian cancers also include recognized histological tumor types, such as, for example, serous, mucinous, endometrioid, and clear cell tumors.

The ovarian cancer stage may be established using for example the FIGO staging system, as described in L. Sobin and Ch Wittekind (eds.), *TNM Classification of malignant tumours*. UICC Internation Union against Cancer, Geneva, Switzerland, p155-157; 6th ed. 2002. "Early" stage may correspond to Stage I and Stage II. "Late" stage may correspond to Stage III and Stage IV.

The biological state may comprise one of at least two binary states. It may comprise one two biological states. The biological states may comprise or example, a diseased state (such as a cancer state) and a normal state, a benign state and a malignant state and an early stage state and a late stage state. The biological states may comprise a normal / benign state and a malignant state. The biological states may comprise a benign state and an early state.

Thus, the Examples below show that a combination of 340 lipids, as shown in Table D3, may be analysed in a sample in order to determine the status of a sample. The Examples show that the is capable of revealing whether the sample is normal or diseased (ovarian cancer). These lipids may also be used to further determine whether such a sample is a benign

sample or a malignant sample. Further analysis with these lipids may be done to determine whether such a sample is an early stage sample or a late stage sample.

The methods and compositions described here involve determining lipid concentrations in a sample. The concentrations may be those of the lipids in a lipid combination disclosed herein and means of obtaining the concentrations are described in detail below.

LIPID COMBINATIONS

Our methods may involve determining lipid concentrations of a number of lipids.

The combination of lipids may comprise any two or more choline lipids, such as phosphatidylcholine (GPCho) or sphingomyelin (SM) or both. The combinations may comprise any two or more lipids selected from the group consisting of: phosphatidic acid (GPA). They may comprise phosphatidylglycerol (GPGro), phosphatidylserine acid (GPSer), sulfatides, cardiolipin, phosphatidylethanolamine (GPEtn), phosphatidylinositol (GPIns), phosphatidylinositol phosphates (GPInsPs), ceramide (Cer), mono hexosyl ceramide (MonoHexCer) and di hexosyl ceramide (DiHexCer). The combinations may comprise lipids from more than one class.

We therefore disclose combinations of lipids comprising, such as consisting of, all or substantially all of the (a) lipids shown in Table D1; (b) lipids shown in Table D2; (c) lipids shown in Table D3; (d) lipids shown in Table E4; and (e) lipids shown in Table E6. We further disclose combinations of such combinations.

We further disclose combinations of any two or more lipids from each of these tables. The two or more lipids may be contiguous or non-contiguous. For example, we disclose a combination of 2, 3, 4, 5, 6, 7, 8, 9, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339 or 440 lipids from any of these tables, for example, Table D3.

Any number of lipids within the 340 lipids shown in Table D3 may be employed for the purposes described in this document. For example, all or substantially all of these lipids may be used. As another example, combinations comprising subsets from the 340 lipids may

also be employed. Thus, a combination of any n lipids of the list of 340 lipids, where $n \leq 340$, may be used for such analysis.

Such combinations may comprise contiguous subsets or non-contiguous subsets. For example, combinations may be formed primarily from the top half of the list of Table D3. They may be formed primarily from the top third of the list, the top quarter, the top fifth, the top sixth, the top seventh, the top eighth, the top ninth or the top tenth of the list. Thus, subsets may be formed from the first 170, the first 114, the first 85, the first 68, the first 57, the first 49, the first 43 or the first 38 members of the list.

In general terms, subsets of the list of Table D3 lipids may, for example, include a certain number of lipids from top of the list of lipids shown in Table D3. Such lipid combinations may comprise the first n lipids from the list of lipids shown in Table D3. For example, n could be 82. Such a combination of lipids is shown in Table D2. A further combination of lipids could comprise the first n lipids from the list of lipids shown in Table D3, where $n = 44$. Such a combination of lipids is shown in Table E6. Yet another combination of lipids may comprise the first 30 lipids from the list of lipids shown in Table D3 (i.e., $n = 30$). Such a combination of lipids is shown in Table E4.

Other combinations comprising subsets of the list of 340 lipids may comprise a selection of lipids from Table D3, based on any suitable criteria, such as lipid class, molecular weight, side group, etc. For example, subsets may be formed comprising all lipids in particular lipid class from the lipids set out in Table D3. A subset may comprise choline lipids, for example. Such an example subset is shown in Table D1 (below), and comprises a list of 77 choline lipids.

Lipid nomenclature is as described in Fahy, et al (2005). A comprehensive classification system for lipids. Journal of Lipid Research, Vol. 46, 839-862.

List of 77 Choline Lipids

	Lipid
1	494.4/184.1>GPCho:Lyso 16:1
2	496.4/184.1>GPCho:Lyso 16:0
3	520.4/184.1>GPCho:Lyso 18:2
4	522.4/184.1>GPCho:Lyso 18:1
5	524.4/184.1>GPCho:Lyso 18:0
6	544.4/184.1>GPCho:Lyso 20:4
7	568.4/184.1>GPCho:Lyso 22:6
8	570.4/184.1>GPCho:Lyso 22:5
9	678.5/184.1>GPCho:28:0
10	678.5/184.1>GPCho:28:0a
11	704.6/184.1>GPCho:30:1a
12	706.6/184.1>GPCho:30:0a
13	718.6/184.1>GPCho:32:0p, 32:1e

14	730.8/184.1>GPCho:32:2
15	732.6/184.1>GPCho:32:1a
16	734.6/184.1>GPCho:32:0a
17	742.6/184.1>GPCho:34:2p, 34:3e
18	744.6/184.1>GPCho:34:1p, 34:2e
19	746.6/184.1>GPCho:34:0p, 34:1e
20	748.6/184.1>GPCho:34:0e
21	756.6/184.1>GPCho:34:3a
22	758.7/184.1>GPCho:34:2a
23	760.6/184.1>GPCho:34:1a
24	762.6/184.1>GPCho:34:0a
25	768.6/184.1>GPCho:36:3p, 36:4e
26	770.6/184.1>GPCho:36:2p, 36:3e
27	772.6/184.1>GPCho:36:1p, 36:2e
28	774.6/184.1>GPCho:36:0p, 36:1e
29	782.6/184.1>GPCho:36:4a
30	784.6/184.1>GPCho:36:3a
31	786.6/184.1>GPCho:36:2a
32	788.6/184.1>GPCho:36:1a
33	790.8/184.1>GPCho:36:0
34	792.6/184.1>GPCho:38:5p, 38:6e
35	794.6/184.1>GPCho:38:4p, 38:5e
36	796.6/184.1>GPCho:38:3p, 38:4e
37	798.6/184.1>GPCho:38:2p, 38:3e
38	800.6/184.1>GPCho:38:1p, 38:2e
39	808.6/184.1>GPCho:38:5a
40	810.6/184.1>GPCho:38:4a
41	812.6/184.1>GPCho:38:3a
42	814.6/184.1>GPCho:38:2a
43	816.6/184.1>GPCho:38:1a
44	820.6/184.1>GPCho:40:5p, 40:6e
45	822.6/184.1>GPCho:40:4p, 40:5e
46	824.6/184.1>GPCho:40:3p, 40:4e
47	826.6/184.1>GPCho:40:2p, 40:3e
48	828.6/184.1>GPCho:40:1p, 40:2e
49	834.6/184.1>GPCho:40:6a
50	836.6/184.1>GPCho:40:5a
51	838.6/184.1>GPCho:40:4a
52	701.5/184.1>SM:18/16:1
53	703.5/184.1>SM:18/16:0
54	703.8/184.4>SM:d18:1/16:0
55	705.8/184.4>SM: d18:0 / 16:0
56	727.6/184.1>SM:18/18:2
57	729.6/184.1>SM:18/18:1
58	731.6/184.1>SM:18/18:0
59	731.8/184.4>SM: d18:1 / 18:0
60	733.8/184.4>SM: d18:0 / 18:0
61	757.6/184.1>SM:18/20:1
62	759.6/184.1>SM:18/20:0
63	759.8/184.4>SM: d18:1 / 20:0
64	761.8/184.4>SM: d18:0 / 20:0
65	773.6/184.1>SM:18/21:0
66	787.6/184.1>SM:18/22:0
67	787.9/184.4>SM: d18:1 / 22:0
68	789.9/184.4>SM: d18:0 / 22:0
69	813.6/184.1>SM:18/24:1
70	813.9/184.4>SM: d18:1 / 24:1
71	815.6/184.1>SM:18/24:0
72	815.9/184.4>SM: d18:0 / 24:1
73	817.9/184.4>SM: d18:0 / 24:0
74	841.9/184.4>SM: d18:1 / 26:1
75	843.9/184.4>SM: d18:0 / 26:1
76	843.9/184.4>SM: d18:1 / 26:0
77	845.9/184.4>SM: d18:0 / 26:0

Table D1 (above). List of 77 choline lipids

List of 82 Lipids

	Lipid	m/z	Benign	Malignant	p-value
1	GPA:36:0	703.8	29.71	80.76	<1.0E-06
2	GPA:16:0/22:5	721.8	65.75	187.84	<1.0E-06
3	GPA:38:0	731.8	44.66	109.80	<1.0E-06
4	GPGro:Lyso 16:0	483.4	89.99	175.45	<1.0E-06
5	GPGro:Lyso 18:0	511.4	89.22	186.02	<1.0E-06
6	GPGro:18:2/18:2	769.8	101.89	68.33	<1.0E-06
7	GPGro:18:0/18:0	777.8	57.67	175.25	<1.0E-06
8	GPEtn:Lyso18:2a	476.6	55.96	46.37	<1.0E-06
9	GPEtn:Lyso 18:1	478.4	61.14	53.12	<1.0E-06

	Lipid	m/z	Benign	Malignant	p-value
10	GPEtn:Lyso 20:4	500.4	77.46	40.49	<1.0E-06
11	GPEtn:Lyso 22:6	524.4	96.20	51.64	<1.0E-06
12	GPCho:32:0a	734.6	106.21	125.10	<1.0E-06
13	GPCho:34:2e	744.6	81.22	65.69	<1.0E-06
14	GPCho:36:2a	786.6	90.83	81.70	<1.0E-06
15	GPCho:38:2a	814.6	103.44	127.24	<1.0E-06
16	Cer: d18:1 / 18:0	566.7	118.28	232.24	<1.0E-06
17	Cer: d18:1 / 20:0	594.7	96.63	172.62	<1.0E-06
18	Cer: d18:1 / 22:0	622.8	74.18	122.63	<1.0E-06
19	Cer: d18:1 / 24:1	648.9	84.79	167.95	<1.0E-06
20	SM: d18:1 / 18:0	731.8	120.26	154.36	<1.0E-06
21	SM: d18:1 / 22:0	787.9	89.88	88.01	<1.0E-06
22	SM: d18:1 / 24:1	813.9	106.69	132.41	<1.0E-06
23	GPA:36:1	701.8	15.82	47.90	1.0E-06
24	GPCho:36:3a	784.6	93.47	79.88	1.0E-06
25	GPCho:40:5p, 40:6e	820.6	126.80	91.35	1.0E-06
26	GPCho:40:6a	834.6	137.30	94.11	1.0E-06
27	SM: d18:1 / 26:0	843.9	135.42	92.25	1.0E-06
28	GPCho:Lyso 18:2	520.4	78.55	75.98	2.0E-06
29	GPCho:38:5a	808.6	117.55	86.87	3.0E-06
30	GPA:18:1/16:0	673.8	34.06	71.35	4.0E-06
31	Cer: d18:1 / 24:0	650.9	58.15	91.39	5.0E-06
32	GPCho:38:5p, 38:6e	792.6	113.63	89.05	6.0E-06
33	DiHexCer: d18:1 / 18:0	890.7	93.33	143.80	7.0E-06
34	GPGro:18:2/18:1	771.8	75.18	77.63	1.0E-05
35	GPCho:36:2p, 36:3e	770.6	93.96	80.83	1.0E-05
36	GPA:36:2	699.8	41.77	76.41	1.1E-05
37	GPCho:28:0a	678.5	62.22	69.74	1.2E-05
38	MonoHexCer: d18:1 / 18:0	728.7	78.23	130.92	1.3E-05
39	MonoHexCer: d18:1 / 24:1	810.9	96.74	147.14	1.9E-05
40	Cer: d18:1 / 16:0	538.7	109.71	152.16	2.6E-05
41	GPCho:32:1a	732.6	106.83	121.94	3.3E-05
42	GPGro:18:2/18:0	773.8	78.31	91.50	3.5E-05
43	GPCho:36:3p, 36:4e	768.6	107.07	84.53	5.0E-05
44	GPGro:18:1/18:0	775.8	97.92	131.80	8.4E-05
45	SM:d18:1/16:0	703.8	106.53	119.97	1.1E-04
46	GPA:Lyso 18:0	437.4	58.55	92.21	1.4E-04
47	GPCho:38:4p, 38:5e	794.6	119.84	95.63	1.8E-04
48	MonoHexCer: d18:1 / 16:0	700.7	100.99	133.15	1.9E-04
49	GPCho:Lyso 22:6	568.4	125.53	89.80	1.9E-04
50	GPCho:40:1p, 40:2e	828.6	96.59	128.57	2.1E-04
51	DiHexCer: d18:1 / 24:1	972.9	94.84	141.35	6.6E-04
52	SM: d18:1 / 26:1	841.9	92.64	128.68	7.0E-04
53	GPGro:Lyso 18:2	507.4	81.41	123.68	9.7E-04
54	GPCho:30:1a	704.6	102.55	116.54	1.1E-03

	Lipid	m/z	Benign	Malignant	p-value
55	GPCho:38:3p, 38:4e	796.6	114.76	96.77	1.3E-03
56	GPCho:Lyso 22:5	570.4	111.54	87.89	1.4E-03
57	GPCho:36:4a	782.6	109.60	91.61	1.5E-03
58	GPA:40:0	759.8	61.30	93.59	2.0E-03
59	GPCho:38:4a	810.6	114.05	94.41	2.4E-03
60	GPCho:40:2p, 40:3e	826.6	87.13	122.72	2.4E-03
61	GPA:40:1	757.8	82.86	102.69	2.4E-03
62	GPA:18:0/20:4	723.8	64.99	86.23	2.6E-03
63	GPCho:34:3a	756.6	78.28	107.87	3.0E-03
64	DiHexCer: d18:1 / 24:0	974.9	90.17	119.47	3.5E-03
65	GPGro:Lyso 18:1	509.4	126.58	136.56	3.7E-03
66	GPCho:34:2a	758.7	102.25	93.80	3.7E-03
67	GPCho:36:1a	788.6	88.10	93.30	3.9E-03
68	GPCho:34:0e	748.6	100.65	109.00	4.8E-03
69	GPGro:18:2/16:1	743.8	98.53	88.80	5.1E-03
70	GPCho:38:1a	816.6	89.63	102.87	8.0E-03
71	DiHexCer: d18:1 / 22:0	946.8	92.28	122.15	8.7E-03
72	MonoHexCer: d18:1 / 22:0	784.8	89.45	107.59	9.7E-03
73	GPCho:36:1p, 36:2e	772.6	87.79	88.82	1.2E-02
74	MonoHexCer: d18:1 / 24:0	812.9	90.45	102.49	1.2E-02
75	DiHexCer: d18:1 / 16:0	862.7	91.93	115.85	1.4E-02
76	GPEtn:Lyso 18:0	480.4	89.30	104.93	1.5E-02
77	GPA:16:0/16:0	647.8	76.90	108.70	1.6E-02
78	GPCho:34:2p, 34:3e	742.6	79.46	82.38	1.6E-02
79	GPCho:34:0a	762.6	101.35	109.61	3.2E-02
80	GPCho:Lyso 20:4	544.4	102.40	89.08	3.3E-02
81	GPCho:40:5a	836.6	111.74	97.42	4.1E-02
82	GPA:Lyso 16:0	409.4	93.86	115.94	4.7E-02

Table D2 (above). List of 82 lipids

List of 340 Lipids

No.	Lipid
1	GPA:Lyso 16:0
2	GPA:Lyso 18:2
3	GPA:Lyso 18:1
4	GPA:Lyso 18:0
5	GPA:Lyso 18:0
6	GPA:Lyso 20:3
7	GPA:Lyso 20:2
8	GPA:Lyso 20:1
9	GPA:Lyso 20:0
10	GPA:Lyso 22:6
11	GPA:Lyso 22:5
12	GPA:16:1/16:2
13	GPA:16:1/16:1
14	GPA:16:1/16:0
15	GPA:16:0/16:0
16	GPA:34:4
17	GPA:34:3
18	GPA:34:4
19	GPA:18:2/16:0
20	GPA:18:1/16:0
21	GPA:36:4
22	GPA:36:4
23	GPA:20:3/16:0
24	GPA:18:1/18:2
25	GPA:36:2
26	GPA:36:2
27	GPA:36:1
28	GPA:36:0
29	GPA:18:1/20:4
30	GPA:16:0/22:5
31	GPA:18:0/20:4
32	GPA:20:3/18:0
33	GPA:38:1
34	GPA:38:0
35	GPA:40:4
36	GPA:40:1
37	GPA:40:0
38	GPA:42:5
39	GPGro:Lyso 16:1
40	GPGro:Lyso 16:0
41	GPGro:Lyso 18:2

42	GPGro:Lyso 18:1
43	GPGro:Lyso 18:0
44	GPGro:Lyso 20:4
45	GPGro:Lyso 22:6
46	GPGro:Lyso 22:5
47	GPGro:16:1/16:1
48	GPGro:16:1/16:0
49	GPGro:16:0/16:0
50	GPGro:18:2/16:1
51	GPGro:18:1/16:2
52	GPGro:18:2/16:0
53	GPGro:18:1/16:1
54	GPGro:16:0/18:1
55	GPGro:16:0/18:1
56	GPGro:18:0/16:0
57	GPGro:20:4/16:1
58	GPGro:18:2/18:2
59	GPGro:20:4/16:0
60	GPGro:18:2/18:1
61	GPGro:18:2/18:0
62	GPGro:18:1/18:1
63	GPGro:18:1/18:0
64	GPGro:18:0/18:0
65	GPGro:20:4/18:1
66	GPGro:20:4/18:0
67	GPGro:22:6/18:0
68	GPGro:22:5/18:0
69	GPSer:Lyso 16:1
70	GPSer:Lyso 16:0
71	GPSer:Lyso 18:1
72	GPSer:Lyso 18:0
73	GPSer:Lyso 20:4
74	GPSer:Lyso 22:5
75	GPSer:32:1
76	GPSer:32:0
77	GPSer:34:2
78	GPSer:34:1
79	GPSer:34:0
80	GPSer:36:4
81	GPSer:36:3
82	GPSer:36:2
83	GPSer:36:1
84	GPSer:36:0
85	GPSer:38:6
86	GPSer:38:5
87	GPSer:38:4

88	GPSer:38:3
89	GPSer:38:2
90	GPSer:38:1
91	GPSer:40:6
92	GPSer:40:5
93	GPSer:40:4
94	GPSer:40:3
95	Sulfatide:16:0
96	Sulfatide:18:0
97	Sulfatide:18:0 (OH)
98	Sulfatide:20:0
99	Sulfatide:20:0 (OH)
100	Sulfatide:22:1
101	Sulfatide:22:1 (OH)
102	Sulfatide:24:1
103	Sulfatide:24:0
104	Sulfatide:24:0 (OH)
105	Cardiolipin:52:3
106	Cardiolipin:66:2
107	Cardiolipin:68:4
108	Cardiolipin:68:3
109	Cardiolipin:68:2
110	Cardiolipin:68:1
111	Cardiolipin:70:5
112	Cardiolipin:70:4
113	Cardiolipin:70:3
114	Cardiolipin:70:2
115	Cardiolipin:70:1
116	Cardiolipin:70:0
117	GPEtn:Lyso16:1e/16:0p
118	GPEtn:Lyso 16:1
119	GPEtn:Lyso 16:0
120	GPEtn:Lyso18:2e/18:1p
121	GPEtn:Lyso18:1e/18:0p
122	GPEtn:Lyso18:2a
123	GPEtn:Lyso 18:1
124	GPEtn:Lyso 18:0
125	GPEtn:Lyso20:1e/20:0p
126	GPEtn:Lyso 20:4
127	GPEtn:Lyso 22:6
128	GPEtn:16:0/16:1
129	GPEtn:16:0/16:0
130	GPEtn:34:2p, 34:3e
131	GPEtn:34:1p, 34:2e
132	GPEtn:34:0p, 34:1e
133	GPEtn:18:1/16:1

134	GPEtn:18:2/16:1
135	GPEtn:18:1/16:1
136	GPEtn:18:1/16:0
137	GPEtn:18:0/16:0
138	GPEtn:36:4p
139	GPEtn:36:3p, 36:4e
140	GPEtn:36:2p, 36:3e
141	GPEtn:36:1p, 36:2e
142	GPEtn:20:4/16:0
143	GPEtn:18:2/18:1
144	GPEtn:18:1/18:1
145	GPEtn:18:0/18:1
146	GPEtn:18:0/18:0
147	GPEtn:38:5p, 38:6e
148	GPEtn:38:4p, 38:5e
149	GPEtn:38:3p, 38:4e
150	GPEtn:38:2p, 38:3e
151	GPEtn:38:1p, 38:2e
152	GPEtn:20:4/18:2
153	GPEtn:20:4/18:1
154	GPEtn:20:4/18:0
155	GPEtn:20:3/18:0
156	GPEtn:20:2/18:0
157	GPEtn:20:1/18:0
158	GPEtn:40:5p, 40:6e
159	GPEtn:40:4p, 40:5e
160	GPEtn:40:3p, 40:4e
161	GPEtn:40:1p, 40:2e
162	GPEtn:22:4/18:3
163	GPEtn:22:4/18:2
164	GPEtn:40:5a
165	GPEtn:40:4a
166	GPEtn:40:3a
167	GPEtn:40:2a
168	GPIns:Lyso 16:1
169	GPIns:Lyso 16:0
170	GPIns:Lyso 18:2
171	GPIns:Lyso 18:1
172	GPIns:Lyso 18:0
173	GPIns:Lyso 20:4
174	GPIns:Lyso 20:3
175	GPIns:Lyso 20:2
176	GPIns:Lyso 20:1
177	GPIns:Lyso 20:0
178	GPIns:Lyso 24:2
179	GPIns:34:1

180	GPIns:34:1
181	GPIns:34:1
182	GPIns:36:4
183	GPIns:36:3
184	GPIns:36:2
185	GPIns:18:0/18:1
186	GPIns:36:0
187	GPIns:37:3
188	GPIns:38:5
189	GPIns:38:4
190	GPIns:38:3
191	GPIns:38:2
192	GPIns:38:1
193	GPIns:38:0
194	GPIns:40:6
195	GPIns:40:5
196	GPIns:40:4
197	GPIns:40:3
198	GPIns:40:2
199	GPIns:40:1
200	GPInsP:38:5
201	GPInsP:38:5
202	GPInsP:38:4
203	GPInsP:38:4
204	GPInsP:38:3
205	GPInsP:38:3
206	GPInsP2:38:4
207	GPInsP2:38:4
208	GPInsP2:38:4
209	GPInsP2:38:3
210	GPInsP2:38:3
211	GPInsP2:38:3
212	GPInsP3:38:4
213	GPInsP3:38:4
214	GPInsP3:38:4
215	GPInsP3:38:4
216	GPCho:Lyso 16:1
217	GPCho:Lyso 16:0
218	GPCho:Lyso 18:2
219	GPCho:Lyso 18:1
220	GPCho:Lyso 18:0
221	GPCho:Lyso 20:4
222	GPCho:Lyso 22:6
223	GPCho:Lyso 22:5
224	GPCho:28:0
225	GPCho:28:0a

226	GPCho:30:1a
227	GPCho:30:0a
228	GPCho:32:0p, 32:1e
229	GPCho:32:2
230	GPCho:32:1a
231	GPCho:32:0a
232	GPCho:34:2p, 34:3e
233	GPCho:34:1p, 34:2e
234	GPCho:34:0p, 34:1e
235	GPCho:34:0e
236	GPCho:34:3a
237	GPCho:34:2a
238	GPCho:34:1a
239	GPCho:34:0a
240	GPCho:36:3p, 36:4e
241	GPCho:36:2p, 36:3e
242	GPCho:36:1p, 36:2e
243	GPCho:36:0p, 36:1e
244	GPCho:36:4a
245	GPCho:36:3a
246	GPCho:36:2a
247	GPCho:36:1a
248	GPCho:36:0
249	GPCho:38:5p, 38:6e
250	GPCho:38:4p, 38:5e
251	GPCho:38:3p, 38:4e
252	GPCho:38:2p, 38:3e
253	GPCho:38:1p, 38:2e
254	GPCho:38:5a
255	GPCho:38:4a
256	GPCho:38:3a
257	GPCho:38:2a
258	GPCho:38:1a
259	GPCho:40:5p, 40:6e
260	GPCho:40:4p, 40:5e
261	GPCho:40:3p, 40:4e
262	GPCho:40:2p, 40:3e
263	GPCho:40:1p, 40:2e
264	GPCho:40:6a
265	GPCho:40:5a
266	GPCho:40:4a
267	SM:18/16:1
268	SM:18/16:0
269	SM:d18:1/16:0
270	SM:d18:0 / 16:0
271	SM:18/18:2

272	SM:18/18:1
273	SM:18/18:0
274	SM:d18:1 / 18:0
275	SM:d18:0 / 18:0
276	SM:18/20:1
277	SM:18/20:0
278	SM:d18:1 / 20:0
279	SM:d18:0 / 20:0
280	SM:18/21:0
281	SM:18/22:0
282	SM:d18:1 / 22:0
283	SM:d18:0 / 22:0
284	SM:18/24:1
285	SM:d18:1 / 24:1
286	SM:18/24:0
287	SM:d18:0 / 24:1
288	SM:d18:0 / 24:0
289	SM:d18:1 / 26:1
290	SM:d18:0 / 26:1
291	SM:d18:1 / 26:0
292	SM:d18:0 / 26:0
293	Cer:d18:1 / 16:0
294	Cer:d18:0 / 16:0
295	Cer:d18:1 / 18:0
296	Cer:d18:0 / 18:0
297	Cer:d18:1 / 20:0
298	Cer:d18:0 / 20:0
299	Cer:d18:1 / 22:0
300	Cer:d18:0 / 22:0
301	Cer:d18:1 / 24:1
302	Cer:d18:1 / 24:0
303	Cer:d18:0 / 24:1
304	Cer:d18:0 / 24:0
305	Cer:d18:1 / 26:1
306	Cer:d18:1 / 26:0
307	Cer:d18:0 / 26:1
308	Cer:d18:0 / 26:0
309	MonoHexCer:d18:1 / 16:0
310	MonoHexCer:d18:0 / 16:0
311	MonoHexCer:d18:1 / 18:0
312	MonoHexCer:d18:0 / 18:0

313	MonoHexCer:d18:1 / 20:0
314	MonoHexCer:d18:0 / 20:0
315	MonoHexCer:d18:1 / 22:0
316	MonoHexCer:d18:0 / 22:0
317	MonoHexCer:d18:1 / 24:1
318	MonoHexCer:d18:0 / 24:1
319	MonoHexCer:d18:1 / 24:0

320	MonoHexCer:d18:0 / 24:0
321	MonoHexCer:d18:1 / 26:1
322	MonoHexCer:d18:0 / 26:1
323	MonoHexCer:d18:1 / 26:0
324	MonoHexCer:d18:0 / 26:0
325	DiHexCer:d18:1 / 16:0
326	DiHexCer:d18:0 / 16:0
327	DiHexCer:d18:1 / 18:0
328	DiHexCer:d18:0 / 18:0
329	DiHexCer:d18:1 / 20:0

330	DiHexCer:d18:0 / 20:0
331	DiHexCer:d18:1 / 22:0
332	DiHexCer:d18:0 / 22:0
333	DiHexCer:d18:1 / 24:1
334	DiHexCer:d18:0 / 24:1
335	DiHexCer:d18:1 / 24:0
336	DiHexCer:d18:0 / 24:0
337	DiHexCer:d18:1 / 26:1
338	DiHexCer:d18:0 / 26:1
339	DiHexCer:d18:1 / 26:0
340	DiHexCer:d18:0 / 26:0

Table D3 (above). List of 340 choline lipids

LIPID CONCENTRATION DETERMINATION

Any suitable method of determining the concentration of a lipid in a sample may be carried out as known in the art.

The samples may comprise, for example, bodily fluids, such as blood, blood serum, synoival fluid, tissue lysates, and extracts prepared from tissues.

For example, any of a number of known methods for lipid concentration determination such as involving colorimetric or fluorimetric methods, may be used.

Such methods are described for example in European Patent EP0531933 and at http://www-unix.oit.umass.edu/~mcclemen/581Lipids.html, in Holman et al. (1964) Am J Clin Nutr, 14 (4): 193, Nogueira et al (2007), Critical Care, 11(Suppl 3):P19, etc. Antonis et al (1967). *Automated techniques in serum lipid analysis.* Journal of the American Oil Chemists' Society, 44, 6, 333-340 describes in detail methods of determining lipid concentrations in serum samples. A number of kits for determination of lipid concentrations are also commercially available.

For choline lipids, a number of assays as described in detail in the section "Assays for Choline Lipids" may be employed. Lipid concentration determination methods may involve high performance liquid chromatography (HPLC), as described in Patton et al (1982).

The lipid concentration determination may be conducted using mass spectrometry. For example, electrospray ionization-mass spectrometry (ESI-MS) may be used. ESI-MS is described in detail in Kerwin et al (1994), Kim et al (1994), Han et al (1994), Myher et al (1995), Han et al (1996), Brügger et al (1997), Ramanadham et al (1998) Schneiter et al (1999), Hsu et al (2000), Koivusaloa et al (2001).

ASSAYS FOR CHOLINE LIPIDS

Assays for choline lipids, phosphatidylcholine and sphingomyelin are known in the art and may be applied to determine the concentrations of for example the 77 choline lipids shown in Table D1.

An assay for phosphatidylcholine is described in detail in Hojjati, M.R., Jiang, X. *Rapid, specific, and sensitive measurements of plaSphingomyelina sphingomyelin and phosphatidylcholine.* J Lipid Res 47(3) 673-676 (2006). In this assay, PC-specific PLD is first used to hydrolyze PC to choline and phosphatidic acid. The newly formed choline is then used to generate hydrogen peroxide in a reaction catalyzed by choline oxidase. Finally, with peroxidase as a catalyst, hydrogen peroxide reacts with DAOS and 4-aminoantipyrine to generate a blue dye with an optimal absorption at 595 nm. A kit for performing such an assay is commercially available from Cayman (Catalogue Number: 10009926) and Echelon (Catalogue Number: K-31PC).

An assay for sphingomyelin is described in detail in Hojjati, M.R., Jiang, X. *Rapid, specific, and sensitive measurements of plaSphingomyelina sphingomyelin and phosphatidylcholine.* J Lipid Res 47(3) 673-676 (2006). In this assay, sphingomyelinase is first used to hydrolyze SM to phosphorylcholine and ceramide. Alkaline phosphatase then generates choline from the phosphorylcholine and the newly formed choline is used to generate hydrogen peroxide in a reaction catalyzed by choline oxidase. Finally, with peroxidase as a catalyst, hydrogen peroxide reacts with DAOS and 4-aminoantipyrine to generate a blue color with an optimal absorption at 595 nm. A kit for performing such an assay is commercially available from Cayman (Catalogue Number: 10009928) and Echelon (Catalogue Number: K-31SM).

A assay kit capable of assaying both Phosphatidylcholine and Sphingomyelin is commercially available from Echelon (Catalogue Number: K-3100).

Choline lipids may be assayed by means of a immunoassays. A kit for performing such an assay is commercially available from ARUP Laboratory (Catalogue Number: 51590).

Enzyme assays for Phosphatidylcholine and Sphingomyelin are described in detail in Blaton V, de Buyzer M, Spincemaille J and Declercq B (1983). *Enzymic assay for Phosphatidylcholine and Sphingomyelin in serum.* Clinical Chemistry. 29: 806-809. An enzyme assay for quantifying Sphingomyelin is described in detail in He et al. (2001). *An enzymatic assay for quantifying Sphingomyelin in tissues and plaSphingomyelina from humans and mice with Niemann-Pick Disease.* Analytical Biochemistry. 2(15). 204-211.

Choline lipids may be assayed by means of thin layer chromatography. A TLC based assay is described in detail in Tsai et al. (1987). *Assay of disaturated phosphatidylcholine in amniotic fluid as a test of fetal lung maturity: experience with 2000 analyses.* Clinical chemistry. 33(9). 1648-1651. In this assay, crude lipid extract is separated by thin layer chromatography and PC is identified by mobility. Another TLC based assay is described in detail in Shimojo T, Abe M, Ohta M (1974). *A method for determination of saturated phosphatidylcholine.* Journal of Lipid Research. 15. 525-527.

Choline lipids may be assayed by means of thin layer chromatography followed by GC-MS for fatty acid analysis. This is described in detail in Kahn et al. (1995). *Phosphatidylcholine molecular species of calf lung surfactant.* Am J Physol Lung Cell Mol Physiol. 269. 567-573. Crude lipid extract is separated by thin layer chromatography and PC is identified by mobility. Further characterization of molecular species is performed by gas chromatography mass spectrometry.

Choline lipids may be assayed by means of gas chromatography mass spectrometry. This is described in detail in Miller et al. (1991). *Differences in red blood cell choline and lipid-bound choline between patients with Alzheimer disease and control subjects.* Neurobiology of Aging. 12(1). 61-64.

Choline lipids may be assayed by means of MALDI-MS. This is described in detail in Shelley et al. (2005). *Direct profiling of lipid distribution in brain tissue using MALDI-TOFMS.* Analytical Chemistry. 77(14). 4523-4527. MS characterisation and separation of PC, ionization source is distinct from what we used (which is electrospray ionization).

PREDICTION USING LIPID CONCENTRATIONS

The concentrations of the disclosed combinations of lipids in biological samples may be used in predictive processes to determine the state of a sample. The predictive method may provide an indication of the state, condition or status of sample. It may provide an indication of the biological state, as described above.

Various methods for achieving this, including bioinformatic and non-bioinformatic methods, are disclosed in detail below.

The Examples show that ovarian cancer samples display a reduction in levels of choline lipids, phosphatidylcholine (GPCho) and sphingomyelins (SM) compared to normal, undiseased, samples. Reduced levels of such choline lipids are also found in malignant samples compared to benign samples, and also late stage samples compared to early stage samples.

Accordingly, we disclose a method of identifying a cancerous sample, such as an ovarian cancer sample, the method comprising detecting a reduced level of a phosphatidylcholine (GPCho) or a sphingomyelin (SM), or both, in or of the sample. We further disclose methods to identify malignant samples from benign samples, and early stage samples from late stage samples, by detecting a reduced level of a phosphatidylcholine (GPCho) or a sphingomyelin (SM), or both, in or of the sample; in which a reduced level indicates that the sample is a malignant sample or a late stage sample, as the case may be. The reduced level or concentration may comprise a significantly reduced level or concentration.

Such a method may also be used for diagnosis of a cancer such as ovarian cancer, or the diagnosis of a malignant cancer, or the diagnosis of a late stage cancer, in an individual, the method comprising detecting a reduced level of a phosphatidylcholine (GPCho) or a sphingomyelin (SM), or both, in or of the sample of or from an individual.

The phosphatidylcholine (GPCho) or a sphingomyelin (SM) detected in such methods may be chosen from any one or more of the choline lipids shown in Table D1. For example, the concentrations of more than one choline lipid, for example several choline lipids such as 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76 or 77 lipids

of Table D1 may be generated. The first such number of lipids from the top of the table may be used for this purpose.

The Examples also show that ovarian cancer samples display an increase in levels of ceramides (Cer) and glycosylated ceramides (HexCer). Increased levels of ceramides (Cer) and glycosylated ceramides (HexCer) are also found in malignant samples compared to benign samples, and also late stage samples compared to early stage samples.

Accordingly, we disclose a method of identifying a cancerous sample, such as an ovarian cancer sample, the method comprising detecting an increased level of a ceramide (Cer) or a glycosylated ceramide (HexCer), or both, in or of the sample. We further disclose methods to identify malignant samples from benign samples, and early stage samples from late stage samples, by detecting an increased level of a ceramide (Cer) or a glycosylated ceramide (HexCer), or both, in or of the sample; in which a reduced level indicates that the sample is a malignant sample or a late stage sample, as the case may be.

Such a method may also be used for diagnosis of a cancer such as ovarian cancer, or the diagnosis of a malignant cancer, or the diagnosis of a late stage cancer, in an individual, the method comprising detecting an increased level of a ceramide (Cer) or a glycosylated ceramide (HexCer), or both, in or of the sample of or from an individual. The increased level or concentration may comprise a significantly increased level or concentration.

The concentration or level of a lipid in a patient or a sample therefrom or thereof may be considered higher or lower than the normal concentration or level of a lipid if the concentration or level of a lipid is greater or less, respectively, than the normal level by an amount greater than the standard error of the assay employed to assess concentration or level of the lipid, such as at least twice, three, four, five or ten times that amount. Alternately, concentration or level of a lipid in the patient or a sample therefrom or thereof may be considered higher or lower than the normal level if the concentration or level of a lipid is at least about two, such as at least about three, four, or five times, higher or lower, respectively, than the normal concentration or level of a lipid.

The phosphatidylcholine (GPCho) or a sphingomyelin (SM) detected in such methods may be chosen from any one or more of the lipids shown in the relevant section of Table D3.

GENERATION OF CLASSIFICATION MODELS

The predictive method may comprise applying a classification model generated from bioinformatic analysis of samples in known states. The classification model may be generated by the methods described in this section and below.

As described above, the concentrations of combinations of lipids may be generated from samples which are in "known" states. Such samples are therefore known to be in particular biological states, e.g., diseased, cancerous, tumorous, neoplastic, benign, malignant, early stage, late stage, etc. For classing such samples, known methods may be applied, including as histological means or biochemical means. For example, ovarian cancers may be classed by Trans-vaginal Ultrasonography (TVU), by assaying serum CA125 levels or examination of biopsies. The samples may be staged by methods known in the art.

A classification model capable of distinguishing two biological states may then be built by a model building process or model generation process, using the data from the known samples corresponding to biological states such as described above. Such a dataset may be referred to as a "training dataset".

A training dataset may comprise data from samples from two biological stages, for example, normal and diseased, benign and malignant, and early stage and late stage.

The classification model building process may comprise a number of steps. A dataset may be generated. The dataset may optionally be normalized. Thus, the concentrations of combinations of lipids from the known samples may be formed into a dataset. Other steps may be carried out on the concentrations, prior or subsequent to forming the dataset, for example, normalisation of the intensities or concentrations. Appendix D shows a dataset of normalised lipid concentrations from the lipids shown in Table D3, of normal and diseased (ovarian cancer), benign and malignant and early stage and late stage ovarian cancer samples used in the Examples.

The dataset may go through a first, analysis, step. The first analysis step may comprise Principal Components Analysis (PCA). The resulting dataset may go through a second, classification, step. The second classification step may comprise Support Vectors Machines (SVM) analysis. The classification model may be tested for performance. An iterative process

may optionally be conducted to reduce the dimensions of the dataset. These are described in detail in the sections below.

ANALYSIS STEP

The first step in the classification model generation process may comprise a step we term an analysis step. This step may comprise an analysis of the dataset using a number of methods which result in a transformation of the dataset.

Methods suitable for use as a first analysis step include factor analysis and principal components analysis (PCA).

The analysis step may reduce the dimensions of the dataset. The analysis step may identify the principal components of the dataset. The analysis step may reduce the noise in the dataset. The analysis step may improve the signal-to-noise ratio. The analysis step may compress the data in the dataset.

The analysis step may result in a transformed dataset. The transformed dataset may have reduced dimensions as compared with the input dataset or it may result in a dataset with full dimensions (unreduced). Accordingly, although this first step may comprise a "dimension reduction" step, although it should be understood that the dimensions of the transformed dataset may not necessarily be reduced.

An output of the first step, for example, principal components analysis, may comprise a transformation matrix. Such a transformation matrix may be saved and form part of a classification model to be used for predictive analysis (described below).

NORMALISATION STEP

Prior to the first analysis step of the classification model building process, an optional step of normalization may be performed.

Consider there are n samples in a training dataset and for each sample, m lipid intensities are measured. It is assumed that the total lipid intensity of each sample should be the same across all samples. Thus, the total lipid intensities of each sample are normalized to 1, as shown from Equation 1 below.

Let I_{ij} represent the intensity of ith sample of lipid j and $\vec{x}_i$ represent a vector containing m normalized intensities of sample i.

$$\vec{x}_i = \begin{pmatrix} x_{i1} \\ x_{i2} \\ \vdots \\ x_{im} \end{pmatrix} = \frac{1}{\sum_{j=1}^{m} I_{ij}} \begin{pmatrix} I_{i1} \\ I_{i2} \\ \vdots \\ I_{im} \end{pmatrix}, \text{ where } i = 1, \cdots n \tag{1}$$

The first analysis step, for example, Principal Components Analysis, may then be performed on the normalized dataset $X = (\vec{x}_1, \vec{x}_2, \cdots, \vec{x}_n)$.

The data is normalized by the total intensities in that mode and the concentrations calculated using the respective spiked standards.

The normalization could be given as:

$$Lipid_i = \frac{x_i}{[Std].\sum_{i=1}^{n} x_i}$$

where x_i indicates the intensity of a particular type of lipid, $lipid_i$. Std indicates the constant obtained from the standard graph or from a spiked lipid standard. In the case of the spiked standard, the Std is obtained as a ratio of the intensity to the amount (pmoles) of the standard spiked. Another way of obtaining Std is to plot a standard graph with varying amount of the standards and then obtaining a standard graph. This graph may then give the ratio of the intensity over concentration and can be substituted in the above equation.

Suitable lipids for spiking and determining concentrations are known in the art and are described in the Examples.

PRINCIPAL COMPONENTS ANALYSIS (PCA)

The analysis step of the classification model generation process may comprise a step of Principal Components Analysis (PCA).

Principal Components Analysis is a technique to reduce multidimensional dataset $C = (\vec{c}_1, \vec{c}_2, \cdots, \vec{c}_m)$ to a lower dimension.

Principal Components Analysis linearly transforms the original dataset into a new dimension space. This can be achieved using functions from a number of mathematical packages. For example, principal components analysis may be performed by Pirouette (Infometrix, Inc.), Statistica (StatSoft, Inc.), SPSS (SPSS Inc.), Unscrambler (CAMO Software AS.), PCA/X 5.0 (Windale Technologies Pty Ltd), XLSTAT (Addinsoft), StatistiXL (StatistiXL), NMath Stats (CenterSpace Software), R (Freeware) (http://rss.acs.unt.edu/Rdoc/library/pcaMethods/html/00Index.html), SAS/INSIGHT (SAS Institute Inc.). As a further example, the *princomp* function in Matlab may be used.

princomp in Matlab returns the principal component coefficients and the representation of X in the principal component space $Y = (\vec{y}_1, \vec{y}_2, \cdots, \vec{y}_n)$. Each vector, $\vec{c}_i$, represents the ith principal component axis with dimension m. The relationship between C and Y is shown in Equation 2.

$$Y = C \cdot (X - rep(\overline{X})),$$

where

$$\overline{X} = (\overline{x}_1 \quad \overline{x}_2 \quad \cdots \quad \overline{x}_n), \quad \overline{x}_i = \frac{1}{m}\sum_{j=1}^{m} x_{ij}, \quad rep(\overline{X}) = \begin{pmatrix} \overline{x}_1 & \overline{x}_2 & \cdots & \overline{x}_n \\ \overline{x}_n & \overline{x}_2 & \cdots & \overline{x}_n \\ \vdots & \vdots & \ddots & \vdots \\ \overline{x}_n & \overline{x}_2 & \cdots & \overline{x}_n \end{pmatrix} \quad (2)$$

Principal components analysis involves a mathematical procedure that transforms a number of (possibly) correlated variables into a (smaller) number of uncorrelated variables called principal components. The first principal component accounts for as much of the variability in the data as possible, and each succeeding component accounts for as much of the remaining variability as possible. This helps in data compression. The outcome of these analysis is a score matrix.

CLASSIFICATION STEP

The transformed dataset resulting from the first step may be go through a second step. The second step in the classification model building process may therefore comprise a classification step.

This step may comprise an analysis of the transformed dataset using a number of methods, such as support vector machines (SVM) analysis. The classification step may enable

adequate classification of the samples, or it may be subject to further training steps (described below).

The classification analysis may result in an indicator of the class of the sample. The indicator of class may correspond to one of the biological states used for building the classification model. The correspondence between the biological states and the output of the second step may depend on the labels applied to the samples used as basis for the model generation. For example, in an SVM analysis, the labels may be either -1 or +1. Thus, -1 may represent a diseased state and +1 may represent a control state (i.e., a normal sample). As another example, -1 may represent a malignant state and +1 may represent a benign state. As a further example, -1 may represent a late stage state and +1 may represent an early stage state.

In such a case, where SVM analysis is applied, the outputs from the second step may be negative or positive. A negative output would indicate a "worse" condition, that is to say, a diseased (cancerous) sample, a malignant sample, or a late stage sample, as the case may be. A positive output, on the other hand, would in the situation above, indicate a "better" condition. That is to say, a positive output would indicate a normal sample, a benign sample or an early stage sample.

An output of the classification step may comprise a model, such as an SVM model where support vector machines (SVM) analysis is carried out as the second step. Such an SVM model may be saved and form part of a classification model to be used for predictive analysis (described below).

The outcome of the second classification step may be represented in the form of diagnostic utility matrix. The performance of the second classification step may be assessed using a number of factors, such as sensitivity, specificity and accuracy.

SUPPORT VECTOR MACHINES (SVM)

Support Vector Machines (SVM) is a supervised machine learning method used for classification and regression. SVM is described in detail in Review: Applications of Support Vector Machines in Chemistry, Rev. Comput. Chem. 2007, 23, 291-400.

SVM performs binary classification by constructing an *l*- dimensional hyperspace that optimally separates the dataset into two categories. The output value from the SVM is a real

number which signifies its distance from the hyperplane. The SVM model may be saved (examples are shown in the Appendices).

SVM may be implemented using a number of packages, including SVMlight (svmlight.joachims.org/); SVMstruct (svmlight.joachims.org/svm_struct.html); mySVM (www-ai.cs.uni-dortmund.de/SOFTWARE/MYSVM/index.html); JmySVM (www-ai.cs.uni-dortmund.de/SOFTWARE/YALE/index.html); mySVM/db (www-ai.cs.uni-dortmund.de/SOFTWARE/MYSVMDB/index.html); LIBSVM (www.csie.ntu.edu.tw/~cjlin/libsvm/); looms (www.csie.ntu.edu.tw/~cjlin/looms/); BSVM (www.csie.ntu.edu.tw/~cjlin/bsvm/); SVMTorch (www.idiap.ch/learning/SVMTorch.html); Weka (www.cs.waikato.ac.nz/ml/weka/); SVM in R (cran.r-project.org/src/contrib/Descriptions/e1071.html); M-SVM (www.loria.fr/~guermeur/); Gist (microarray.cpmc.columbia.edu/gist/); MATLAB SVM Toolbox (www.isis.ecs.soton.ac.uk/resources/svminfo/); TinySVM (chasen.org/~taku/software/TinySVM/); SmartLab (www.smartlab.dibe.unige.it/); Gini-SVM (bach.ece.jhu.edu/svm/ginisvm/); GPDT (dm.unife.it/gpdt/); HeroSvm (www.cenparmi.concordia.ca/~people/jdong/HeroSvm.html); Spider (www.kyb.tuebingen.mpg.de/bs/people/spider/); Java applets (svm.dcs.rhbnc.ac.uk/); LEARNSC (www.support-vector.ws/html/downloads.html); Tree Kernels (ai-nlp.info.uniroma2.it/moschitti/Tree-Kernel.htm); LS-SVMlab (www.esat.kuleuven.ac.be/sista/lssvmlab/); MATLAB SVM Toolbox (www.igi.tugraz.at/aschwaig/software.html); SVM/LOO (bach.ece.jhu.edu/pub/gert/svm/incremental/); SVMsequel (www.isi.edu/~hdaume/SVMsequel/); LSVM (www.cs.wisc.edu/dmi/lsvm/); ASVM (www.cs.wisc.edu/dmi/asvm/); PSVM (www.cs.wisc.edu/dmi/svm/psvm/); OSU SVM Classifier Matlab Toolbox (www.ece.osu.edu/~maj/osu_svm/); SimpleSVM Toolbox (asi.insa-rouen.fr/~gloosli/simpleSVM.html); SVM Toolbox (asi.insa-rouen.fr/%7Earakotom/toolbox/index); MATLAB SVM Toolbox (theoval.sys.uea.ac.uk/~gcc/svm/toolbox/); R-SVM (www.biostat.harvard.edu/~xzhang/R-SVM/R-SVM.html); jSVM (www-cad.eecs.berkeley.edu/~hwawen/research/projects/jsvm/doc/manual/index.html); SvmFu (five-percent-nation.mit.edu/SvmFu/); PyML (pyml.sourceforge.net/) and BioJava (www.biojava.org/).

SVM*light* is a an open source implementation of SVM which may be obtained from http://svmlight.joachims.org/. It is one of the most widely used SVM classification and regression packages. It has a fast optimization algorithm, can be applied to very large datasets, and has a very efficient implementation of the leave-one-out cross-validation. It is distributed as C++ source and binaries for Linux, Windows, Cygwin, and Solaris. Kernels: polynomial, radial basis function, and neural (tanh).

SVM allows users to build in their own mathematical functions, which are known as kernel functions. In SVM*light*, the default kernel function is linear and it has also built in polynomial function, radial basis function (RBF), and sigmoid function (refer to Equation 3 below).

$$\phi = \begin{cases} x_i * x_i & Linear \\ (\gamma x_i x_j + coefficient)^{degree} & Polynomial \\ \exp(-\gamma |x_i - x_j|^2) & RBF \\ \tanh(\gamma x_i x_j + coefficient) & Sigmoid \end{cases} \quad (3)$$

Any of the kernel functions of SVM may be used for the SVM analysis described here. For example, the default kernel function of SVM*light* may be implemented.

The SVM analysis may be conducted on a transformed dataset, that is to say, a dataset transformed by applying a transformation matrix to a dataset comprising the concentrations of a plurality of lipids.

CLASSIFICATION MODEL

A classification model is generated from the classification model generation process described above. The classification model may comprise a number of components.

The classification model may comprise a transformation matrix, also referred to as *C*, which is the obtained from the PCA analysis. The classification model may further comprise an SVM model, also referred to as *S*, which is the SVM model obtained from Y_l.. The classification model may yet further comprise other components, as described below.

The transformation matrix may comprise a full, un-reduced transformation matrix. Such a matrix may comprise an *n* x *m* transformation matrix, where *n* = number of lipids and

m = number of principal components. In such a transformation matrix, *n* may be equal to *m*. Such a transformation matrix may comprise the total number of principal components.

The transformation matrix may comprise a reduced transformation matrix, in other words, a transformation matrix corresponding to a reduced number of principal components. For example, a reduced transformation matrix may comprise a *n* x *m* transformation matrix, where *n* = number of lipids and *m* = number of principal components retained (*m* < number of lipids). Such a reduced transformation matrix may be easily generated by forming a matrix comprising the rows of the full transformation matrix and the first *m* columns of the full transformation matrix.

The classification model generated may be evaluated by a number of factors such as receiver operating curve, sensitivity, specificity, positive predictive value (PPV) and negative predictive value (NPV) and accuracy. The performance of the model model may therefore be shown in terms of a number of factors, including for example the sensitivity, specificity, positive predictive value (PPV), negative predictive value (NPV), accuracy, true negatives (TN), false negatives (FN), false positives (FP) and true positives (TP).

The model may further be evaluated using the N-fold cross validation and predicting the blinded samples.

CLASSIFICATION MODEL TRAINING

As an optional step of the model generating process, a training process may take place as part of the model generation process.

The classification model may for example be adjusted and processed with an aim of establishing a model which achieve a certain predetermined level of performance.

The classification model may for example be adjusted and processed with an aim of establishing the minimum number of principal components which allow the model to achieve a certain predetermined level of performance.

The training may be conducted by assessing the output of the analysis step and selecting a number of factors to interpret.

Thus, the training process may comprise retaining principal components whose eigenvalues are greater than or equal to 1. This is also known as the Kaiser stopping rule (Kaiser, 1960).

The training process may comprise retaining principal components that explain a predetermined level of the variance in the dataset. The predetermined level of variance may comprise at least 55%, 65%, 75%, 85%, 90%, 95%, 96%, 97%, 98%, 99%, 99.5%, 99.6%, 99.7%, 99.8% or 99.9%.

The training process alternatively, or in addition, comprise a scree test, as described by Cattell (1966). The magnitude of the eigenvalues on the vertical axis may be plotted against their number (e.g., first factor, second factor, third factor, etc). The training process may comprise retaining all factors in the sharp descent before the first eigenvector where the graph levels off, as described in Stevens, 1966.

A scree plot which shows principal components and eigenvalues may be used. The training process may comprise retaining principal components that in a scree plot of eigenvalues show a smooth decrease of eigenvalues. It may comprise retaining principal components that in a scree plot of eigenvalues are to the left of a levelling off in gradient in the plot. It may comprise retaining principal components that in a scree plot of eigenvalues are to the left of significant decrease in gradient in the plot. It may comprise retaining principal components that in a scree plot of eigenvalues are to the left of an elbow in the plot.

The training process may be conducted by assessing the output of the classification step.

Thus, the training process may comprise retaining principal components that perform to a predetermined level compared to the full dataset, as assessed by the performance of the classification model generated. For example, principal components may be retained to achieve at least 55%, 65%, 75%, 85%, 90%, 95%, 96%, 97%, 98%, 99%, 99.5%, 99.6%, 99.7%, 99.8%, 99.9% or 100% of the performance of the classification model built using the full dataset. The performance of the classification model may be assessed by any combination of sensitivity, specificity, PPV, NPV, accuracy, true negatives (TN), false negatives (FN), false positives (FP) and true positives (TP).

The training process may comprise removing factors which do not significantly affect the performance of the SVM model, as assessed by any of the factors set out above.

The training process may take the form of an iterative process. Thus, the last (least significant) principal component determined by principal components analysis may be removed and the classification model built again. The new classification model may be compared to the original model for its classification performance. The performance may be assessed using a number of factors, such as sensitivity, specificity and accuracy. This process is then repeated until the predetermined level of performance is reached. For example, the process may be repeated until the model loses its performance.

In more detail, the first l row vectors of the transformed dataset Y may be selected to form an input vector, Y_l. The input vector Y_l may then be subject to Support Vectors Machines (SVM) analysis. Y_l is equivalent to the input dataset in the principal component space, with reduced dimension of l. The value of l is the minimum dimension of the principal component space needed to obtain optimal classification in the SVM model. This may be established by iterative reduction of dimensions and testing the performance of the resulting model.

The level of performance may be any suitable level which meets the needs of the situation in question.

For example, an iterative reduction in dimensions may be carried out to train the classification model to achieve a performance which is at least as good as, or better than, a known biomarker. The biomarker may comprise, for example, CA-125. The sensitivity of a CA-125 is about 50%, the specificity about 97.15%, the PPV about 17.24% and the NPV about 99.39%.

Thus, the training may comprise determining the number of principal components needed to allow the classification model to achieve any one or more of a sensitivity of about 50% or more, a specificity about 97.15% or more, a PPV about 17.24% or more and an NPV about 99.39% or more.

Where classification model training takes place, the classification model may optionally further comprise a dimension, l. The dimension l may be a reduced dimension. The

dimension *l* may comprise the dimension of principal component space, *l*, needed for optimal SVM classification.

The dimension *l* may be derived from principal components analysis of the dataset. This may be achieved by iterative reduction in dimensions and assessing performance of the resulting model (described above).

CLASSIFICATION MODELS GENERATED FROM 340 LIPIDS

Dataset of 340 Lipids

A dataset comprising concentrations of the 340 lipids shown in Table D3 may be obtained. The dataset may optionally be normalised.

Transformation Matrices (340 Lipids, Unreduced)

Principal Components Analysis may be conducted on the above dataset without dimension reduction.

We disclose in Appendix B1 a 340 x 340 transformation matrix of a classification model for classifying normal and diseased samples. We disclose in Appendix B2 a 340 x 340 transformation matrix of a classification model for classifying benign and malignant samples. We disclose in Appendix B3 a 340 x 340 transformation matrix of a classification model for classifying early and late stage samples.

SVM Models (340 Lipids, Unreduced)

The transformation matrices are used to transform the datasets of the respective sample pairs. SVM analysis is carried out on the transformed datasets.

As an example, SVM analysis may be conducted on a dataset of the concentrations the 340 lipids shown in Table D3 of normal and diseased (ovarian cancer) samples, transformed with a transformation matrix shown in Appendix B1. We disclose in Appendix C1 a resulting SVM model, which is also referred to in this document as "SVM-1". Such an SVM model may be used, together with a 340 x 340 transformation matrix shown in Appendix B1, as part of a classification model for classifying normal and diseased (ovarian cancer) samples.

As another example, the SVM analysis may be conducted on a transformed dataset of the concentrations of the 340 lipids shown in Table D3 of benign ovarian cancer and malignant ovarian cancer samples, transformed with a transformation matrix shown in

Appendix B2. We disclose in Appendix C2 a resulting SVM model, which is also referred to in this document as "SVM-2". Such an SVM model may be used, together with a 340 x 340 transformation matrix shown in Appendix B2, as a classification model for classifying benign and malignant ovarian cancer samples.

As a further example, the SVM analysis may be conducted on a transformed dataset of the concentrations of the 340 lipids shown in Table D3 of early stage ovarian cancer and late stage ovarian cancer samples, transformed with a transformation matrix shown in Appendix B3. We disclose Appendix C3 a resulting SVM model, which is also referred to in this document as "SVM-3". Such an SVM model may be used, together with a 340 x 340 transformation matrix shown in Appendix B3, as a classification model for classifying early and late ovarian stage cancer samples.

Classification Models (340 Lipids, Unreduced)

We disclose a classification model comprising a 340 x 340 transformation matrix shown in Appendix B1 and an SVM model shown in Appendix C1. Such a model may be used to distinguish between normal and diseased, for example, ovarian cancer, samples.

We disclose a further classification model which comprises a 340 x 340 transformation matrix shown in Appendix B2 and an SVM model shown in Appendix C2. Such a model may be used to distinguishing between benign and malignant samples.

We disclose yet another classification model which comprises a 340 x 340 transformation matrix shown in Appendix B3 and an SVM model shown in Appendix C3. Such a model may be used to distinguish between early and late stage samples.

CLASSIFICATION MODELS GENERATED FROM 340 LIPIDS (R1)

The training process may be conducted on a dataset comprising the concentrations of the 340 lipids shown in Table D3.

A further optional step of training the model by iterative reduction of dimensions may be carried out to determine the principal components needed for maximal classifying performance.

The cumulative performance of each of the classification models, as assessed by sensitivity, specificity, PPV and NPV, is shown in Appendices E1, E2 and E3.

We disclose in Appendix E1 the cumulative performance of a classification model (340 lipids) for normal versus diseased, by the number of principal components. We disclose in Appendix E2 the cumulative performance of a classification model (340 lipids) for benign versus malignant, by the number of principal components. We disclose in Appendix E3 the cumulative performance of a classification model (340 lipids) for early versus late, by the number of principal components.

The model with reduced dimensions may be tested for performance, such as by determining sensitivity, specificity, PPV, NPV, etc.

In these Appendices, rows in *italics* show the number of principal components required for a classification model which has identical performance compared to SVM analysis using the all the principal components.

In the case of the classification model for normal and diseased, maximal classifying performance (i.e., identical to a model with all the principal components) may be obtained using 85 principal components. In the case of the classification model for benign and malignant, maximal classifying performance may be obtained using 87 principal components. In the case of the classification model for early and late, maximal classifying performance may be obtained using 44 principal components.

Transformation Matrices (340 Lipids, Reduced)

We disclose a 340 x 85 transformation matrix comprising the first 85 columns of a matrix shown in Appendix B1, which may be used in a classification model for classifying normal and diseased, such as ovarian cancer, samples.

We disclose a 340 x 87 transformation matrix comprising the first 87 columns of a matrix shown in Appendix B2, which may be used in a classification model for classifying benign and malignant samples.

We disclose a 340 x 44 transformation matrix comprising the first 44 columns of a matrix shown in Appendix B3, which may be used in a classification model for classifying early and late stage samples.

SVM Models (340 Lipids, Reduced)

We disclose at Appendix C4 an SVM model which may be used with a 340 x 85 transformation matrix comprising the first 85 columns of a matrix shown in Appendix B1 as a classification model for classifying normal and diseased, such as ovarian cancer, samples.

We disclose at Appendix C5 an SVM model which may be used with a 340 x 87 transformation matrix comprising the first 87 columns of a matrix shown in Appendix B2 as a classification model for classifying benign and malignant samples.

We disclose at Appendix C6 an SVM model which may be used with a 340 x 44 transformation matrix comprising the first 44 columns of a matrix shown in Appendix B3 as a classification model for classifying early and late stage samples.

Classification Models (340 Lipids, Reduced)

We disclose a classification model which comprises a 340 x 85 transformation matrix comprising the first 85 columns of a matrix shown in Appendix B1 and an SVM model shown in Appendix C4. Such a model may be used to distinguish between normal and diseased, for example, ovarian cancer, samples.

We disclose a further classification model which comprises a 340 x 87 transformation matrix comprising the first 87 columns of a matrix shown in Appendix B2 and an SVM model shown in Appendix C5. Such a model may be used to distinguishing between benign and malignant samples.

We disclose yet another classification model which comprises a 340 x 44 transformation matrix comprising the first 44 columns of a matrix shown in Appendix B3 and an SVM model shown in Appendix C6. Such a model may be used to distinguish between early and late stage samples.

CLASSIFICATION MODELS GENERATED FROM 340 LIPIDS (R2)

The training process may be conducted on a dataset comprising the concentrations of the 340 lipids shown in Table D3.

A further optional step of training the model by iterative reduction of dimensions may be carried out to identify the number of principal components required for a classification model which provides performance which is as good as or better than CA-125.

The cumulative performance of each of the classification models, as assessed by sensitivity, specificity, PPV and NPV, is shown in Appendices E1, E2 and E3.

We disclose in Appendix E1 the cumulative performance of a classification model (340 lipids) for normal versus diseased, by the number of principal components. We disclose in Appendix E2 the cumulative performance of a classification model (340 lipids) for benign versus malignant, by the number of principal components. We disclose in Appendix E3 the cumulative performance of a classification model (340 lipids) for early versus late, by the number of principal components.

The model with reduced dimensions may be tested for performance, such as by determining sensitivity, specificity, PPV, NPV, etc.

In these Appendices, rows in **bold** show the number of principal components required for a classification model which provides performance which is as good as or better compared to CA-125 (Sensitivity=50%; Specificity=97.15%; PPV=17.24%; NPV=99.39%).

In the case of the classification model for normal and diseased, a classification model employing 10 principal components performs as well as or better than CA-125. In the case of the classification model for benign and malignant, a classification model employing 29 principal components performs as well as or better than CA-125. In the case of the classification model for early and late, a classification model employing 9 principal components performs as well as or better than CA-125.

Transformation Matrices (340 Lipids, Reduced)

We disclose a 340 x 10 transformation matrix comprising the first 10 columns of a matrix shown in Appendix B1, which may be used in a classification model for classifying normal and diseased, such as ovarian cancer, samples.

We disclose a 340 x 29 transformation matrix comprising the first 29 columns of a matrix shown in Appendix B2, which may be used in a classification model for classifying benign and malignant samples.

We disclose a 340 x 9 transformation matrix comprising the first 9 columns of a matrix shown in Appendix B3, which may be used in a classification model for classifying early and late stage samples.

SVM Models (340 Lipids, Reduced)

We disclose at Appendix C7 an SVM model which may be used with a 340 x 10 transformation matrix comprising the first 10 columns of a matrix shown in Appendix B1 as a classification model for classifying normal and diseased samples.

We disclose at Appendix C8 an SVM model which may be used with a 340 x 29 transformation matrix comprising the first 29 columns of a matrix shown in Appendix B2 as a classification model for classifying benign and malignant samples.

We disclose at Appendix C9 an SVM model which may be used with a 340 x 9 transformation matrix comprising the first 9 columns of a matrix shown in Appendix B3 as a classification model for classifying early and late samples.

Classification Models (340 Lipids, Reduced)

We disclose a classification model which comprises a 340 x 10 transformation matrix comprising the first 10 columns of a matrix shown in Appendix B1 and an SVM model shown in Appendix C7. Such a model may be used to distinguish between normal and diseased, for example, ovarian cancer, samples.

We disclose a further classification model which comprises a 340 x 29 transformation matrix comprising the first 29 columns of a matrix shown in Appendix B2 and an SVM model shown in Appendix C8. Such a model may be used to distinguish between benign and malignant samples.

We disclose yet another classification model which comprises a 340 x 9 transformation matrix comprising the first 9 columns of a matrix shown in Appendix B3 and an SVM model shown in Appendix C9 . Such a model may be used to distinguish between early and late stage samples.

CLASSIFICATION MODELS GENERATED FROM N LIPIDS (N < 340)

Classification may be carried out by generating classification models from subsets of the 340 lipids shown in Table D3 and application such classification models to unknown samples.

Datasets

Datasets comprising concentrations of any number of the 340 lipids shown in Table D3 may be derived. Such datasets may comprise concentrations of the first *n* lipids, where $n <$ 340, of Table D3.

Thus, for example, datasets comprising the concentrations of the first 2, 3, 4, 5, 6, 7, 8, 9, 10 lipids of Table D3 may be generated.

As another example, datasets comprising the concentrations of the first 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49 or 50 lipids of Table D3 may be generated.

As another example, datasets comprising the concentrations of the first 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149 or 150 lipids of Table D3 may be generated.

As a further example, datasets comprising the concentrations of the first 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249 or 250 lipids of Table D3 may be generated.

As a yet further example, datasets comprising the concentrations of the first 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338 or 339 lipids of Table D3 may be generated.

Such datasets may be generated by, for example, selecting appropriate data from the Ovarian Cancer Training Dataset shown in Appendix D. The dataset may optionally be normalised.

Transformation Matrices (n Lipids)

Principal Components Analysis may be conducted on the above datasets with or without dimension reduction.

"Unreduced" n x n transformation matrices of respective classification models for classifying normal and diseased samples, benign and malignant samples and early and late stage samples may be generated by the methods described in this document, such as PCA.

"Reduced" n x m, where $m < n$, transformation matrices, representing a reduced number of principal components, may also be generated by, for example, iterative reduction of dimensions and testing for the performance of the resulting models, as described elsewhere in this document.

SVM Models (n Lipids)

The transformation matrices may be used to transform the datasets of the respective sample pairs. SVM analysis may be carried out on the transformed datasets.

As an example, SVM analysis may be conducted on a dataset of the concentrations of the n lipids of known normal and diseased (ovarian cancer) samples, transformed with a respective n x n "unreduced" transformation matrix described above. The resulting SVM model may be used, together with the n x n transformation matrix, as part of a classification model for classifying normal and diseased (ovarian cancer) samples.

As another example, the SVM analysis may be conducted on a dataset of the concentrations of the n lipids of known benign ovarian cancer and malignant ovarian cancer samples, transformed with a respective n x n "unreduced" transformation matrix described above. The resulting SVM model may be used, together with the n x n transformation matrix, as a classification model for classifying benign and malignant ovarian cancer samples.

As a further example, the SVM analysis may be conducted on a dataset of the concentrations of the n lipids of known early stage ovarian cancer and late stage ovarian cancer samples, transformed with a respective n x n "unreduced" transformation matrix

described above. The resulting SVM model may be used, together with the n x n transformation matrix, as a classification model for classifying early and late ovarian stage cancer samples.

Corresponding SVM models generated on datasets transformed with n x m, where $m < n$, "reduced" transformation matrices may also be generated by the methods described in this document. Such SVM models together with respective "reduced" transformation matrices, as classification models for classifying normal and diseased samples, benign and malignant samples and early and late stage samples.

Classification Models (n Lipids)

We disclose a classification model comprising a n x n "unreduced" transformation matrix generated from a dataset of known normal and diseased (ovarian cancer) samples described above and a corresponding SVM model as described above. Such a model may be used to distinguish between normal and diseased, for example, ovarian cancer, samples.

We disclose a further classification model which comprises a n x n "unreduced" transformation matrix generated from a dataset of known benign and malignant samples described above and a corresponding SVM model as described above. Such a model may be used to distinguishing between benign and malignant samples.

We disclose yet another classification model which comprises a n x n "unreduced" transformation matrix generated from a dataset of known early stage and late stage samples described above and a corresponding SVM model as described above. Such a model may be used to distinguish between early and late stage samples.

We also disclose corresponding classification models comprising n x m, where $m < n$, "reduced" transformation matrices generated from datasets of known normal and diseased (ovarian cancer) samples, benign and malignant samples or early stage and late stage (ovarian cancer) samples and their corresponding SVM models, capable of classifying normal and diseased samples, benign and malignant samples and early and late stage samples respectively.

CLASSIFICATION MODELS GENERATED FROM 82 LIPIDS

Dataset of 82 Lipids

A dataset comprising concentrations of the 82 lipids shown in Table D2 may be obtained. The dataset may optionally be normalised.

Transformation Matrices (82 Lipids, Unreduced)

Principal Components Analysis may be conducted on the above dataset without dimension reduction.

We disclose in Appendix B4 a 82 x 82 transformation matrix of a classification model for classifying normal and diseased samples. We disclose in Appendix B5 a 82 x 82 transformation matrix of a classification model for classifying benign and malignant samples. We disclose in Appendix B6 a 82 x 82 transformation matrix of a classification model for classifying early and late stage samples.

SVM Models (82 Lipids, Unreduced)

The transformation matrices are used to transform the datasets of the respective sample pairs. SVM analysis is carried out on the transformed datasets.

As an example, SVM analysis may be conducted on a dataset of the concentrations the 82 lipids shown in Table D2 of normal and diseased (ovarian cancer) samples, transformed with a transformation matrix shown in Appendix B4. We disclose in Appendix C10 a resulting SVM model. Such an SVM model may be used, together with a 82 x 82 transformation matrix shown in Appendix B4, as part of a classification model for classifying normal and diseased (ovarian cancer) samples.

As another example, the SVM analysis may be conducted on a transformed dataset of the concentrations of the 82 lipids shown in Table D2 of benign ovarian cancer and malignant ovarian cancer samples, transformed with a transformation matrix shown in Appendix B5. We disclose in Appendix C11 a resulting SVM model. Such an SVM model may be used, together with a 82 x 82 transformation matrix shown in Appendix B5, as a classification model for classifying benign and malignant ovarian cancer samples.

As a further example, the SVM analysis may be conducted on a transformed dataset of the concentrations of the 82 lipids shown in Table D2 of early stage ovarian cancer and late

stage ovarian cancer samples, transformed with a transformation matrix shown in Appendix B6. We disclose Appendix C12 a resulting SVM model. Such an SVM model may be used, together with a 82 x 82 transformation matrix shown in Appendix B6, as a classification model for classifying early and late ovarian stage cancer samples.

Classification Models (82 Lipids, Unreduced)

We disclose a classification model comprising a 82 x 82 transformation matrix shown in Appendix B4 and an SVM model shown in Appendix C10. Such a model may be used to distinguish between normal and diseased, for example, ovarian cancer, samples.

We disclose a further classification model which comprises a 82 x 82 transformation matrix shown in Appendix B5 and an SVM model shown in Appendix C11. Such a model may be used to distinguishing between benign and malignant samples.

We disclose yet another classification model which comprises a 82 x 82 transformation matrix shown in Appendix B6 and an SVM model shown in Appendix C12. Such a model may be used to distinguish between early and late stage samples.

CLASSIFICATION MODELS GENERATED FROM 44 LIPIDS

Dataset of 44 Lipids

A dataset comprising concentrations of the first 44 of the 340 lipids shown in Table D3 (i.e., as shown in Table E6) may be derived by, for example, selecting appropriate data from the Ovarian Cancer Training Dataset shown in Appendix D. The dataset may optionally be normalised.

Transformation Matrices (44 Lipids)

Principal Components Analysis may be conducted on the above dataset with or without dimension reduction.

"Unreduced" 44 x 44 transformation matrices of respective classification models for classifying normal and diseased samples, benign and malignant samples and early and late stage samples may be generated by the methods described in this document, such as PCA.

Respective 44 x m, where $m < 44$, "reduced" transformation matrices, representing a reduced number of principal components, may also be generated by, for example, iterative

reduction of dimensions and testing for the performance of the resulting models, as described elsewhere in this document.

SVM Models (44 Lipids)

The transformation matrices may be used to transform the datasets of the respective sample pairs. SVM analysis may be carried out on the transformed datasets.

As an example, SVM analysis may be conducted on a dataset of the concentrations of the 44 lipids shown in Table E6 of normal and diseased (ovarian cancer) samples, transformed with a respective 44 x 44 transformation matrix described above. The resulting SVM model may be used, together with the 44 x 44 transformation matrix, as part of a classification model for classifying normal and diseased (ovarian cancer) samples.

As another example, the SVM analysis may be conducted on a dataset of the concentrations of the 44 lipids shown in Table E6 of benign ovarian cancer and malignant ovarian cancer samples, transformed with a respective 44 x 44 transformation matrix described above. The resulting SVM model may be used, together with the 44 x 44 transformation matrix, as a classification model for classifying benign and malignant ovarian cancer samples.

As a further example, the SVM analysis may be conducted on a dataset of the concentrations of the 44 lipids shown in Table E6 of early stage ovarian cancer and late stage ovarian cancer samples, transformed with a respective 44 x 44 transformation matrix described above. The resulting SVM model may be used, together with the 44 x 44 transformation matrix, as a classification model for classifying early and late ovarian stage cancer samples.

Corresponding SVM models generated on datasets transformed with 44 x m, where $m < 44$, "reduced" transformation matrices may also be generated by the methods described in this document. Such SVM models together with respective "reduced" transformation matrices, as classification models for classifying normal and diseased samples, benign and malignant samples and early and late stage samples.

Classification Models (44 Lipids)

We disclose a classification model comprising a 44 x 44 transformation matrix described above and an SVM model as described above. Such a model may be used to distinguish between normal and diseased, for example, ovarian cancer, samples.

We disclose a further classification model which comprises a 44 x 44 transformation matrix described above and an SVM model as described above. Such a model may be used to distinguishing between benign and malignant samples.

We disclose yet another classification model which comprises a 44 x 44 transformation matrix described above and an SVM model as described above. Such a model may be used to distinguish between early and late stage samples.

We also disclose corresponding classification models comprising 44 x m, where $m <$ 44, "reduced" transformation matrices and their corresponding SVM models, capable of classifying normal and diseased samples, benign and malignant samples and early and late stage samples.

CLASSIFICATIONS MODEL GENERATED FROM 77 CHOLINE LIPIDS

Dataset of 77 Choline Lipids

A dataset comprising concentrations of the 77 choline lipids shown in Table D1 may be obtained. The dataset may optionally be normalised.

Transformation Matrices (77 Choline Lipids, Unreduced)

Principal Components Analysis may be conducted on the above dataset without dimension reduction.

We disclose in Appendix B7 a 77 x 77 transformation matrix of a classification model for classifying normal and diseased samples. We disclose in Appendix B8 a 77 x 77 transformation matrix of a classification model for classifying benign and malignant samples. We disclose in Appendix B9 a 77 x 77 transformation matrix of a classification model for classifying early and late stage samples.

SVM Models (77 Choline Lipids, Unreduced)

The transformation matrices are used to transform the datasets of the respective sample pairs. SVM analysis is carried out on the transformed datasets.

As an example, SVM analysis may be conducted on a dataset of the concentrations the 77 choline lipids shown in Table D1 of normal and diseased (ovarian cancer) samples, transformed with a transformation matrix shown in Appendix B7. We disclose in Appendix C13 a resulting SVM model. Such an SVM model may be used, together with a 77 x 77 transformation matrix shown in Appendix B7, as part of a classification model for classifying normal and diseased (ovarian cancer) samples.

As another example, the SVM analysis may be conducted on a transformed dataset of the concentrations of the 77 choline lipids shown in Table D1 of benign ovarian cancer and malignant ovarian cancer samples, transformed with a transformation matrix shown in Appendix B8. We disclose in Appendix C14 a resulting SVM model. Such an SVM model may be used, together with a 77 x 77 transformation matrix shown in Appendix B8, as a classification model for classifying benign and malignant ovarian cancer samples.

As a further example, the SVM analysis may be conducted on a transformed dataset of the concentrations of the 77 choline lipids shown in Table D1 of early stage ovarian cancer and late stage ovarian cancer samples, transformed with a transformation matrix shown in Appendix B9. We disclose Appendix C15 a resulting SVM model. Such an SVM model may be used, together with a 77 x 77 transformation matrix shown in Appendix B9, as a classification model for classifying early and late ovarian stage cancer samples.

Classification Models (77 Choline Lipids, Unreduced)

We disclose a classification model comprising a 77 x 77 transformation matrix shown in Appendix B7 and an SVM model shown in Appendix C13. Such a model may be used to distinguish between normal and diseased, for example, ovarian cancer, samples.

We disclose a further classification model which comprises a 77 x 77 transformation matrix shown in Appendix B8 and an SVM model shown in Appendix C14. Such a model may be used to distinguishing between benign and malignant samples.

We disclose yet another classification model which comprises a 77 x 77 transformation matrix shown in Appendix B9 and an SVM model shown in Appendix C15. Such a model may be used to distinguish between early and late stage samples.

PREDICTION USING CLASSIFICATION MODEL

The prediction process may be implemented in a similar manner to that of the model generation process. The prediction process classifies an unknown sample (i.e., a sample whose state is unknown) into one of two states.

The prediction process generally involves obtaining the concentrations of a plurality of lipids from an unknown sample. The lipid concentrations may be formed into a dataset. The dataset may optionally be normalized. These steps may essentially be performed as described above for model generation.

An appropriate classification model is then applied to the dataset of lipid concentrations.

An appropriate classification model suitable for classifying normal and diseased samples, benign and malignant samples and early stage and late stage samples, as set out in the sections "Classification Models Generated from 340 Lipids", "Classification Models Generated from 340 Lipids (R1)", "Classification Models Generated from 340 Lipids (R2)", "Classification Models Generated from n Lipids (n < 340)", "Classification Models Generated from 82 Choline Lipids", "Classification Model Generated from 44 Choline Lipids" and "Classification Model Generated from 77 Choline Lipids" may be applied to the data.

As described above, each classification model may comprise a transformation matrix and an SVM model. The dataset may go through a first, transformation, step. In this step, the dataset of lipid concentrations is transformed by a transformation matrix of the classification model. The resulting dataset may go through a second, classification, step. In this step, the resulting dataset is analysed by Support Vectors Machines (SVM), using an SVM model of the classification model.

A positive output of the SVM analysis indicates a normal, benign or early stage sample, as the case may be. A negative output of the SVM analysis indicates a diseased (ovarian cancer), malignant or late stage sample, as the case may be.

A schematic of the prediction process is shown in Figure 13, which shows the optional normalization and dimension reduction steps. The prediction process is similar in some

respects to the model generation process, but differs for example in that the PCA process may be replaced by transformation using matrix *C* defined in the classification model.

A single prediction process may be applied, or a number of prediction processes may be applied. Where this is the case, the classification models may be applied sequentially. Thus, a predictive process may be applied using a classification model for classifying normal and diseased samples, to indicate whether a sample is a normal sample or a diseased (i.e., ovarian cancer) sample. Where the sample is shown to be a diseased, ovarian cancer, sample, a further predictive process applying a classification model for classifying benign and malignant samples, to indicate whether a sample is a benign sample or a malignant ovarian cancer sample. Finally, where the sample is shown to be a malignant sample, a classification model for classifying early stage and late stage samples may be applied to the data, to indicate whether a sample is an early stage sample or a late stage ovarian cancer sample.

It will be clear that the bioinformatics methods of applying the classification models may be mixed and matched with other methods of classification, for example, histological staging and CA-125 serum levels.

Accordingly, an ovarian cancer sample diagnosed or determined by other means, e.g., histologically or biochemically, may be used as the subject of classification using the classification models described above. For example, an known ovarian cancer sample may be classed as a benign or malignant sample using a classification model capable of distinguishing benign and malignant samples.

Such an ovarian cancer sample, where it is classed as a malignant sample, may be subject to further analysis using a classification model capable of distinguishing between an early stage and a late stage sample, as described above, to class the sample as an early stage sample or a late stage sample. Similarly, such a classification model may be applied to lipid concentration data obtained form an ovarian cancer sample known to be a malignant sample (e.g., by histology) to establish whether the malignant sample is an early stage cancer sample or a late stage cancer sample.

In more detail, in the prediction process, the input sample with m lipids measured may be normalized such that the total lipid content is 1. The normalized data may then be transformed into the principal component space defined in the classification model, which is

characterized by the matrix *C*. Upon obtaining the output vector, the transformed vector may be fed into the SVM model, which is stored in the classification model. Optionally, the first *l* rows, where *l* is a parameter stored in the classification model, of the transformed vector are selected and fed into SVM. The SVM model then outputs a float value whereby a negative value represents a label of -1 (diseased; benign; early stage) and a positive value represents a label of +1 (normal; malignant; late stage).

Example

The following describes an example of prediction using the methods and compositions described here. A blinded sample from the data obtained in the Examples, sample Id is 270, is used in this example.

The lipid concentrations from the sample are obtained. This data is passed through the prediction models based on the SVM obtained from the training set. When the data is passed through SVM-1 (Appendix C1, predicts if the subject is normal or has ovarian growth). A positive value should indicate that the subject is a control (i.e., undiseased) and a negative value should indicate that the subject has growth in the ovary.

The value obtained from the subject sample 270 using the above analysis -1.702055. Since this value is negative it indicates that the sample is a cancerous sample (i.e., the subject has an ovarian cyst/growth).

Accordingly, this data is then passed through SVM-2 (Appendix C2) which predicts if the growth is benign or malignant. Here the positive value should indicate a benign condition and a negative value should indicate malignancy.

The value obtained for the sample 270 is +1.104463. Since this is a positive value it is predicted as benign growth.

The sample is unblinded. The records show that the actual sample ID is 14757 (this ID is the actual ID used by a collaborator) and is a benign condition. The details of this blinded samples are as follows: Age 46 yrs, Ethnicity Chinese, Type of Cyst Benign, Subtype: Serous, CA125 test: 7.5 (the CA-125 test is a clinically used test and the value of 7.5 indicates that the sample is normal).

It will be appreciated that although the status of this blinded sample has been determined by other means, but is hidden, the exact same steps described below may be implemented on a sample of completely unknown status.

TREATMENT

Where samples and patients have been determined to have ovarian cancer, or are staged, etc, appropriate treatments may be given to them. For example, where appropriate, surgery to remove the cancerous tissue may be carried out. Radiotherapy or chemotherapy may also be applied.

Chemotherapy for localised ovarian cancer may comprise Carboplatin or a combination of Paclitaxel (Taxol) and carboplatin. The chemotherapy may for example be given intravenously. For recurrent ovarian cancer, carboplatin and paclitaxel (Taxol) treatment may be applied. Other treatments may include Paclitaxel (Taxol) alone, Topotecan or Liposomal doxorubicin (also called Caelyx or Doxil) - a type of a chemotherapy drug, doxorubicin. Other drugs may also be used, either alone or in combination.

If cancer comes recurs than 6 months after initial chemotherapy, Paclitaxel (Taxol) alone, Liposomal doxorubicin, Topotecan (Hycamtin), Gemcitabine or Cisplatin may be applied.

EXAMPLES

Using computational technologies, we have generated a diagnostic model to determine if a biological sample exhibits or is predictive or suggestive of a particular biological state. Such states may be associated with one or more diseases or physiological status.

To produce such a model, a number of samples having a known biological state are analyzed and compared with samples known to have been taken from patients who do not have that biological state. These data are then input into a modeling program, as described below, to find discriminatory patterns that are specific to a particular biological state. Such patterns are based upon various combinations of features or markers found in the data derived from the samples, such as lipid concentrations.

Figure 1 is a chart illustrating the work flow for development of binary classifiers for ovarian cancers based on multiparameter analysis of plasma lipids and supervised learning.

The flow diagram summarises the methodology for building the prediction model and diagnosis of unknown samples. Figure 2 is a flowchart showing the training process.

Example 1. Sample Preparation and Analysis: Lipid Extraction

Lipids are extracted from 50µl of blood samples using the modified Bligh Dyers extraction method.

Briefly, 600 µl of ice cold chloroform-methanol, 1:2 (v/v) is added to 50µl of blood plasma along with the internal standards (Table E1) and vortexed vigorously for 1 min.

	Lipid	***ug***
	Species	***spiked***
1	17:0 Lyso GPA	2.5
2	14:0 Lyso GPEtn	2.5
3	19:0 Cer	1
4	8:0 Glu Cer	0.5
5	12:0 SM	2.5
6	di 14:0 GPGro	0.5
7	di 20:4 GPA	2.5
8	di 8:0 GPIns	0.5
9	di 22:6 GPSer	2.5

Table E1. Standards

The samples are incubated in ice for 10 min. followed by the addition of 300 µl chloroform. The phase is broken with the addition of 200 µl of 0.1M HCl or water and vortexed vigorously for 2 min. The phases are separated by centrifugation and the lower organic phase containing the lipids is transferred to fresh tube.

The lipids are re-extracted from the aqueous phase with 300 µl of chloroform pooled with the first organic extract and dried under vacuum. The extracted lipids are stored at -80°C before analysis. Great care and precaution needs to be taken to ensure the generation of consistent and matched extract libraries.

The lipids are suspended in 200µl of chloroform: methanol 1:1 (v/v) and used for mass spectrometry analysis.

Example 2. Sample Preparation and Analysis: Lipid Analysis

The lipids are initially separated on Waters XTerra C18 reverse phase column (1mm x 150mm) column before entering into the mass spectrometer.

Typically, 5µl of sample is injected for analysis. The inlet system consisted of a Waters CapLC autosampler, and a Waters CapLC pump. Chloroform-methanol 1:1 (v/v) with 15mM piperidine is used as the mobile phase for isocratic elution at a flow rate of 15µl/min. The column elutes are measured using Electrospray ionization mass spectrometry (ESI-MS) through a Waters Micromass Q-Tof micro mass spectrometer operated in the negative ion mode. The capillary voltage and sample cone voltage are maintained at 3.0 kV and 50 V, respectively. The source temperature is 80°C and the nanoflow gas pressure is maintained at 0.7 bars.

The mass spectrum is acquired from m/z 400 to 1600 in the negative or positive ion mode with an acquisition time of 20 min; the scan duration is 1.2s. A representative spectra obtained in negative mode for one of the embodiment is depicted in Figure 3. Individual molecular species are identified using tandem mass spectrometry and the collision energy used ranged from 25 to 80 eV.

Further identification and characterization of the lipid species is carried out using a 4000 Q-Trap mass spectrometer. The presence of a particular class of lipid is identified by product ion, precursor ion and neutral loss scans.

For GPEtn, GPIns and GPCho, the precursor ion scan for m/z 196 (negative mode), 241 (negative mode) and 184 (positive mode) respectively is carried out. For GPSer, neutral loss of 87 is monitored. For sphingolipids, precursor scans of 264, 266 and 184 are used. Presence of 153 is used for detection of GPA, GPGro as well as other phospholipids. The lipid molecules are further characterized and confirmed by tandem mass spec (MSMS) scans along with the other species like GPA, GPGro, Cardiolipin, Sulfatides, Ceramides and Spingomyelins. The characteristics daughter ion for each lipid molecule is noted.

Example 3. Sample Preparation and Analysis: Lipid Quantification

Quantification of individual lipid molecular species is performed using MRM with an Applied Biosystems 4000 Q-Trap mass spectrometer.

Samples are directly introduced into the mass spectrometry using an Agilent autosampler. In these experiments, the first quadrupole, Q1, are set to pass the precursor lipid ion of interest to the collision cell, Q2, where it underwent collision-induced dissociation. The third quadruple, Q3, is set to pass the structure specific product ion characteristic of the precursor lipid of interest.

Each individual ion dissociation pathway for the lipid species is optimized with regard to collision energy (CE), collision cell exit potential (CXP) and declustering potential (DP) with a dwell time of 25msec. This is to minimize variations in relative ion abundance due to differences in rates of dissociation. The ion source gas GS1 and GS2 is maintained at 20 and 50 p.s.i. respectively and the curtain gas at 20 p.s.i. The entrance potential (EP) is set at 10.

In order to prevent the loss of the sensitivity of the method, the list is divided into 3 independent analysis sets. The first set consisted of the lipid classes belonging to GPA (Table E2A, Appendix A), GPGro (Table E2B, Appendix A), GPSer (Table E2C, Appendix A), Sulfatides (Table E2D, Appendix A) and Cardiolipins (Table E2E, Appendix A) monitored in the negative mode.

The second set consisted of the GPEtn (Table E2F, Appendix A), GPIns (Table E2G, Appendix A) and phosphoinositide phosphates (Table E2H, Appendix A) in negative mode.

The third set monitored the ions in the positive mode consisting of GPCho (Table E2I, Appendix A), Spingomyelins (Table E2J, Appendix A), Ceramides (Table E2K, Appendix A) and their glycosylated derivative (Table E2L and Table E2M, Appendix A).

An optimized 15 μl of samples is injected per run per set with chloroform-methanol 1:1 (v/v) as the mobile phase at the flow rate of 200 μl/min. The run is carried out for 2 min.

Example 4. Data Analysis and Bioinformatics: Concentration Determination - Protocol for Determining Absolute Concentrations of Lipids using Spiked Standards and Standard Curve

The data is normalized by the total intensities in that mode and the concentrations calculated using the respective spiked standards.

The normalization could be given as:

$$Lipid_i = \frac{x_i}{[Std].\sum_{i=1}^{n} x_i}$$

x_i indicates the intensity of a particular type of lipid, $lipid_i$. Std indicates the constant obtained from the standard graph or from the spiked lipid standard. In the case of the spiked standard the Std is obtained as a ratio of the intensity to the amount (pmoles) of the standard spiked. The other way is to plot a standard graph with varying amount of the standards and then obtaining a standard graph. This graph then could give the ratio of the intensity over concentration and can be substituted in the above equation.

Depending upon the type of the lipid for which the concentration is to be calculated the respective standard is taken. A list of spiked standards and the lipids the spiked standards can be used to quantify is given in the table below.

	Lipid Spiked	Can be used for quantification of
1	17:0 Lyso GPA	Lyso GPA
2	14:0 Lyso GPEtn	Lyso GPEtn, GPEtn
3	19:0 Cer	Cer
4	8:0 Glu Cer	MonoHexCer and DiHexCer
5	12:0 SM	SM and Lyso GPCho, GPCho
6	Di 14:0 GPGro	Lyso GPGro, GPGro, Cardiolipin
7	Di 20:0 GPA	GPA
8	Di 8:0 GPIns	GPIns, GPInsP, GPInsP2, Sulfatide
9	Di 22:6 GPSer	Lyso GPSer, GPSer

Example 5. Data Analysis and Bioinformatics: Principal Components Analysis (PCA) and Support Vector Machines (SVM)

The data is then processed using multivariate analysis (Principal Components Analysis).

Principal components analysis may be performed by a number of packages, for example Pirouette (Infometrix, Inc.), Statistica (StatSoft, Inc.), SPSS (SPSS Inc.), Unscrambler (CAMO Software AS.), PCA/X 5.0 (Windale Technologies Pty Ltd), XLSTAT (Addinsoft), StatistiXL (StatistiXL), NMath Stats (CenterSpace Software), R (Freeware) (http://rss.acs.unt.edu/Rdoc/library/pcaMethods/html/00Index.html), SAS/INSIGHT (SAS Institute Inc.).

The outcome of the Principal Components Analysis is a score matrix. The score matrices are used as inputs into supervised learning methods like Support Vector Machine (SVM) for classification based on their diseased conditions.

SVMs are supervised learning methods which can perform binary classification (Noble, 2006). They map input feature vectors to a higher dimensional feature space where a maximal separation hyperplane is constructed.

SVM is implemented using SVMLight, which is executed in C. SVM models are built using default linear kernel functions. The output value from the SVM is a real number which signifies its distance from the hyperplane.

The outcome of the SVM is represented in the form of diagnostic utility matrix and the performance of the model is based on sensitivity, specificity and accuracy.

The model may then go to an iterative reduction in the dimension. The last PC is removed and the model built again. The new model is compared to the original model for its performance. This is repeated till the model loses its performance.

The final model generated is then evaluated by receiver operating curve, sensitivity, specificity, positive predictive value (PPV) and negative predictive value (NPV) and accuracy.

The model is then evaluated using the N-fold cross validation and predicting the blinded samples.

Example 6. Data Analysis and Bioinformatics: Statistical Considerations

The model is evaluated using receiver operating characteristics (ROC) curve, sensitivity, specificity, positive predictive value (PPV) and negative predictive value (NPV).

Sensitivity is the probability that a person who is positive are tested positive. Specificity is the probability that a person who is negative are tested negative. Sensitivity and specificity are also known as true positive and true negative rate respectively. Positive predictive value (PPV) gives the probability that a person tested positive is positive. Negative predictive value (NPV) gives the probability that a person tested negative is negative.

Other statistical tests like the student's t-test in case of normality in distribution or Mann Whitney U Test in case of non-normality in distribution, Kolmogorov-Smirnov goodness-of-fit hypothesis test are used to test for normality.

Example 7. Diagnostic Test for Ovarian Tumours

In this study, the MRM data is obtained to build a prediction model for predicting malignancy of ovarian cancer.

138 samples are used as a training set for model building. 383 lipids measurements are obtained for each and every sample. PCA is used to reduce the dimension of the training set and the reduced set is used as input feature vectors for SVM. Two SVM models are built using linear and quadratic kernel functions.

Example 8. Diagnostic Test for Ovarian Tumours: Patients and Procedures

All patient-derived biological specimens are collected under protocols approved by the National Health Group Institutional Review Board, Singapore and all participants provided written informed consent.

Whole blood samples are obtained preoperatively in EDTA tubes by routine venipuncture of women undergoing surgery for suspected ovarian cancer in National University Hospital (NUH), Singapore. All women ages 16 to 81 years undergoing surgery for suspected ovarian cancer are regarded as eligible for entry into the study. All of the samples are collected before the day of surgery or treatment. The plasma is immediately isolated and

stored at −70°C. Just before the lipid extraction, the plasma is thawed. Of the preoperative samples obtained, 99 are from women who are later confirmed to have ovarian cancer.

Whole blood samples from control subjects are collected concurrently from healthy women from the same counties who reported no history of cancer, gynecologic disease, oophorectomy or family history of breast/ovarian cancer. The controls are either volunteers or are on routine checkup at the family care centers. All subjects recruited in this study are non-smokers. Whole blood specimens are obtained from a total of 99 ovarian cancer patients, including 40 patients with benign tumor, 22 patients at the early malignant stage (Stage I and II) and 37 at the late malignant stage (Stage III and IV).

Cancer diagnosis is confirmed for all cases by review of pathology records by a single ovarian cancer expert. Clinical stage is determined according to International Federation of Gynecologists and Obstetricians criteria, and the histological subtype is evaluated according to the WHO classification.

Using this methodology, 211 plasma samples are obtained which include the controls and patients are diagnosed as benign or with the malignant stages. The diagnosis is done using the Trans-vaginal Ultrasonography (TVU), Serum CA125 level and then confirmed by biopsies. The stage 1 and 2 of malignancy is classified as early malignant and the stage 3 and 4 as late malignant. The control samples are collected after careful examination of the donors.

Of these 211 samples, 138 samples are randomly selected irrespective of their pathological conditions. This formed a training set and the remaining 73 samples are blinded by the hospital staff and disclosed only after the complete analysis is done. The split up of the samples and their subsets is depicted in Figure 4.

The training set included 39 plasma samples from control individuals and 99 from women with various forms of ovarian cancers. Out of the 99 patients samples 40 of the patients had tumors of benign characteristics and the remaining 59 are malignant tumors (22 of which are in the early stages and 37 in their late stages). The demographic profiling of these

samples is represented in Table E3.

	Control	Patient	Benign	Malignant			Total
					Early	Late	
Age							
Ave Age	NA	47	41	52	43	53	
Max	NA	81	74	81	74	81	
Min	NA	16	18	16	20	16	
Median	NA	48	41	53	48	56	
Ethnicity							
Chinese	23	67	26	41	17	24	90
Malay	7	20	9	11	2	9	27
Indian	6	6	3	3	2	1	12
Other	3	6	2	4	1	3	9
Sum	39	99	40	59	22	37	138
Tumor type							
Endometroid		26	11	15	6	9	26
Mucinous		22	13	9	8	1	22
Ser/Pap		27	5	22	3	19	27
Dermoid		6	6	0	0	0	6
Physiol/foll		3	3	0	0	0	3
Clear Cell		8	0	8	5	3	8
Mixed Germ		1	0	1	0	1	1
other		6	2	4	0	4	6

Table E3: Demographic Profiling of Plasma Samples in Training Set

For the ovarian cancer patients various types of tumors are taken into account. The type of tumor is classified by various pathological test conducted on the tumor tissue. Control and patient samples are arranged randomly before lipid extraction.

Example 9. Diagnostic Test for Ovarian Tumours: Sample Analysis

Samples are extracted as described in Example 1 above and analyzed on an Applied Biosystems 4000 Q-TRAP mass spectrometer with the MRM method described.

Data peaks are integrated and normalized with respect total lipid content and ion response of internal standards.

The lipid species are graphically represented as heat plot (Figure 5).

Example 10. Diagnostic Test for Ovarian Tumours: Data Analysis and Bioinformatics

A broad look of the lipid profile doesn't suggest drastic differences in the lipid profile between the samples. Plasma levels within the eleven classes of lipids covered here were very comparable between the various cases and control populations with no apparent differences that would be obvious without thorough statistical evaluation.

Principal Components Analysis (PCA)

Principal Components Analysis is conducted on a dataset comprising the concentrations of the 340 lipids shown in Table D3.

The resulting score matrices (transformation matrices) are set out in the Appendices and are described below and in the detailed description above. The transformation matrices resulting from the PCA analysis may be used to form a classification model.

The principal components analysis (PCA) generated through orthogonal linear transformation of the dataset shows that the controls patients are indeed separated from the patient population (Figure 6A) on a three dimensional projection (1st, 2nd and 3rd principal components).

The first 3 principal components are able to define ~70% of the variance based on the Scree plot (Figure 6B). The classifiers based on the PCA analysis are compiled and the list of these probable biomarker lipids are listed (Table E4).

No	Q1 mass	Q3 mass	Lipid Species
1	758.7	184.1	GPCho:34:2a
2	703.8	184.4	Sphingomyelin:d18:1/16:0
3	786.6	184.1	GPCho:36:2a
4	784.6	184.1	GPCho:36:3a
5	813.9	184.4	Sphingomyelin: d18:1 / 24:1
6	782.6	184.1	GPCho:36:4a
7	759.8	184.4	Sphingomyelin: d18:1 / 20:0
8	760.6	184.1	GPCho:34:1a
9	810.6	184.1	GPCho:38:4a
10	704.6	184.1	GPCho:30:1a
11	731.8	184.4	Sphingomyelin: d18:1 / 18:0
12	814.6	184.1	GPCho:38:2a
13	496.4	184.1	GPCho:Lyso 16:0
14	808.6	184.1	GPCho:38:5a
15	815.6	184.1	Sphingomyelin:18/24:0
16	520.4	184.1	GPCho:Lyso 18:2
17	761.8	184.4	Sphingomyelin: d18:0 / 20:0
18	787.9	184.4	Sphingomyelin: d18:1 / 22:0
19	743.8	279.3	GPGro:18:2/16:1
20	812.6	184.1	GPCho:38:3a
21	524.4	184.1	GPCho:Lyso 18:0
22	732.6	184.1	GPCho:32:1a
23	762.6	184.1	GPCho:34:0a
24	788.6	184.1	GPCho:36:1a
25	756.6	184.1	GPCho:34:3a
26	544.4	184.1	GPCho:Lyso 20:4
27	834.6	184.1	GPCho:40:6a
28	568.4	184.1	GPCho:Lyso 22:6
29	745.8	281.3	GPGro:18:1/16:1
30	522.4	184.1	GPCho:Lyso 18:1

Table E4. Lipid Classifiers for Principal Components Analysis

Analysis of these lipids showed that mostly the GPCho and the sphingomyelins showed high ability to discriminate between the controls and the patient samples.

Appendix B1 shows a 340 x 340 transformation matrix of a classification model for classifying normal and diseased samples.

Similar analysis is carried out to differentiate between benign/malignant (Figure 6C and Figure 6D) and early/late forms of cancer (Figure 6E and Figure 6F).

Appendix B2 shows a 340 x 340 transformation matrix of a classification model for classifying benign and malignant samples. Appendix B3 shows a 340 x 340 transformation matrix of a classification model for classifying early and late samples.

Interestingly, PCA is able to separate the benign from the malignant samples, but the late from early are not well clustered. The Scree plot showed that the first 3 components are able to define nearly 70% of the variance for the benign vs. malignant dataset.

The data is also analyzed to check whether it is able to differentiate the malignant samples from a combination of benign and controls (Figure 6G and Figure 6F).

Support Vector Machines (SVM) Analysis

To evaluate the robustness of the profiling of lipids, a SVM based approach for classification of the samples is used.

Support Vector Machines analysis is conducted on a transformed dataset of the concentrations the 340 lipids shown in Table D3. The resulting SVM models are set out in the Appendices and are described below and in the detailed description above. The SVM models resulting from the SVM analysis may be used to form a classification model.

SVM is implemented using SVMLight. The PCA score matrix (N = 138 samples by L = 360 PC in case of the full training set) is used as the input feature vector for a support vector machine.

The output from the SVM model is assessed in the form of sensitivity, specificity and accuracy and used to describe the diagnostic utility (Figure 7). The output of each SVM step can be visualized in a 2x2 matrix displaying true and false positives and negatives.

Appendix C1 shows an SVM model of a classification model for classifying normal and diseased samples. Such an SVM model may be used with a 340 x 340 transformation matrix shown in Appendix B1 and described above in the PCA section of this Example.

Appendix C2 shows an SVM model of a classification model for classifying benign and malignant samples. Such an SVM model may be used with a 340 x 340 transformation matrix shown in Appendix B2 and described above in the PCA section of this Example.

Appendix C3 shows an SVM model of a classification model for classifying early and late samples. Such an SVM model may be used with a 340 x 340 transformation matrix shown in Appendix B3 and described above in the PCA section of this Example.

Training

We next trained the SVM by iterative reduction of dimensions until a minimal set of PCs was found that resulted in maximal classifying performance (SVM model). This step is optional and is not strictly required.

The maximal classifying performance could comprise identical or similar performance compared to SVM analysis using the all or substantially all of the principal components (i.e., un-reduced). Performance may be assessed by any one or more, preferably all, of sensitivity, specificity, PPV, NPV, accuracy, true negatives (TN), false negatives (FN), false positives (FP) and true positives (TP).

The training process was done using the dataset comprising the concentrations of the 340 lipids shown in Table D3. The SVM models resulting from the SVM analysis conducted above using the training sets are set out in the Appendices and are described below and in the detailed description above.

Note that SVMs are binary classifiers. Thus, the above process was repeated to build SVM models for classification of patient vs. control (Patient/Control), i.e., diseased vs Normal, malignant vs. benign (Malignant/Benign) forms of cancers. A sequential arrangement of such binary classifiers can then be used for classification of samples from selected populations.

The cumulative performance of each of the classification models, as assessed by sensitivity, specificity, PPV and NPV, is shown in Appendices E1, E2 and E3. Appendix E1 shows the cumulative performance of a classification model (340 lipids) for normal versus diseased, by the number of principal components. Appendix E2 shows the cumulative performance of a classification model (340 lipids) for benign versus malignant, by the number

of principal components. Appendix E3 shows the cumulative performance of a classification model (340 lipids) for early versus late, by the number of principal components. Rows in *italics* show the number of principal components required for a classification model which has identical performance compared to SVM analysis using the all the principal components.

In the case of the classification model for normal and diseased, maximal classifying performance may be obtained using 85 principal components. Appendix C4 shows the resulting SVM model. Such an SVM model may be used with a 340 x 85 transformation matrix comprising the first 85 columns of a matrix shown in Appendix B1 for classifying normal and diseased samples.

In the case of the classification model for benign and malignant, maximal classifying performance may be obtained using 87 principal components. Appendix C5 shows the resulting SVM model. Such an SVM model may be used with a 340 x 87 transformation matrix comprising the first 87 columns of a matrix shown in Appendix B2 for classifying benign and malignant samples.

In the case of the classification model for early and late, maximal classifying performance may be obtained using 44 principal components. Appendix C6 shows the resulting SVM model. Such an SVM model may be used with a 340 x 44 transformation matrix comprising the first 44 columns of a matrix shown in Appendix B3 for classifying early and late samples.

Example 11. Diagnostic Test for Ovarian Tumours: Model Results

The model showed the ability to discriminate the following conditions.

Normal vs Diseased

98 of the 99 diseased samples are predicted as samples from cancer patients and 36 out of the 39 controls are diagnosed as normal (Figure 7A).

Benign vs Malignant

The power of the diagnostic tool can be appreciated from its ability to distinguish the benign from the malignant samples.

Of the 59 malignant, only 3 of the samples showed a false negative (Figure 7B). The sensitivity, specificity and accuracy of this model are 95% (56 of 59), 83% (33 of 40) and 90% (89 of 99) (Table E5).

Early vs Late

Interestingly, the model is also able to show a good degree of classification between the early and the late stages of malignancy with 100% sensitivity (37 of 37), 82% specificity (18 of 22) and 93% accuracy (55 of 59) (Figure 7C).

Normal or Benign vs Malignant

In a clinical scenario the benign growth is not considered life threatening and hence the lipid profiling is checked if it could also classify between the normal and the benign patients against the more drastic malignant cases.

The model shows that it is able to distinguish the malignancy from the rest of the samples with just 5 of the malignant samples falling in the false positive region (Figure 7D). Malignancy could be distinguished from the rest of the samples with a specificity and sensitivity of 88% and 92%, respectively.

Benign vs Early

Moreover, the lipid profiling is also able to differentiate between benign and the early stages of cancer (Figure 7E).

	Lipidomic				CA125
	Control Vs Patient	Benign Vs Malignant	Early Vs Late	Cont+Benign Vs Malignant	Benign Vs Malignant
True Positive (TP)	98	56	37	52	43
True Negative (TN)	36	33	18	73	31
False Positive (FP)	3	7	4	6	9
False Negative (FN)	1	3	0	7	15
Total	*138*	*99*	*59*	*138*	*98*
Sensitivity	98.99	94.92	100.00	88.14	74.14
Specificity	92.31	82.50	81.82	92.41	77.50
PPV	97.03	88.89	90.24	89.66	82.69
NPV	97.30	91.67	100.00	91.25	67.39
Accuracy	97.10	89.90	93.22	90.58	75.51
Prevalance	71.74	59.60	62.71	42.75	59.18
False positive rate	7.69	17.50	18.18	7.59	22.50
False Negative rate	1.01	5.08	0.00	11.86	25.86
Odds Ratio	1176.00	88.00		90.38	9.87
Cohens Kappa	0.93	0.79	0.85	0.84	0.50

Table E5. Diagnostic Utility Matrix Analysis

Example 12. Diagnostic Test for Ovarian Tumours: Comparison of Model with CA125 Test

To determine whether lipidomic based approach offers a diagnostic advantage over the traditional CA125 test, the accuracy of these tests are compared.

The CA125 test which is gathered from the patients samples are analysed for their diagnostic ability. The same sets of samples are tested for the levels of CA125. The clinically approved level of 35units/ml is taken as a cut-off to separate the benign from the malignant.

The CA125 test for discriminating between benign and malignancy showed a sensitivity of 74% (43 of 58), specificity of 78% (31 of 40) and accuracy of 76% (74 of 98). The positive predictive value for both the models are comparable but the negative predictive values showed superior performance of 92% when lipidomic based SVM is used as compared

to just 59% for CA125. These values for CA125 are better than some of the reported diagnostic utility values for CA125.

Comparison between the models for various statistical diagnostic utility parameters based on SVM is summarized in Table E5. The lipid profiling based model showed superior prediction to differentiate between benign and malignant in comparison to the CA125 test. The model for the CA125 is moderate as the Cohen's Kappa value is only 0.5 as compared to 0.79 for the lipid profile based model which is considered substantial.

The receiver operating characteristics (ROC) curves for the models are plotted and all the models performed better (Figure 8). The method for diagnosing the difference between benign and malignant also confirmed the superiority of the model over the CA125 test (Figure 9).

Example 13. Diagnostic Test for Ovarian Tumours: Training and Deriving Minimal Principal Components

We further trained the SVM by iterative reduction of dimensions to determine the minimal number of principal components that would provide performance which is as good as or better compared to a CA-125 (Sensitivity=50%; Specificity=97.15%; PPV=17.24%; NPV=99.39%). For example, the number of principal components is chosen such that the model has a sensitivity and specificity which is higher than CA-125.

As described above in Example 10 (under *Training*), the cumulative performance of each of the classification models is set out in Appendices E1, E2 and E3. Rows in **bold** show the number of principal components required for a classification model which performs better than CA-125.

In the case of the classification model for normal and diseased, a classification model employing 10 principal components performs as well as or better than CA-125. Appendix C7 shows the resulting SVM model. Such an SVM model may be used with a 340 x 10 transformation matrix comprising the first 10 columns of a matrix shown in Appendix B1 for classifying normal and diseased samples.

In the case of the classification model for benign and malignant, maximal classifying performance may be obtained using 29 principal components. Appendix C8 shows the

resulting SVM model. Such an SVM model may be used with a 340 x 29 transformation matrix comprising the first 29 columns of a matrix shown in Appendix B2 for classifying benign and malignant samples.

In the case of the classification model for early and late, maximal classifying performance may be obtained using 9 principal components. Appendix C9 shows the resulting SVM model. Such an SVM model may be used with a 340 x 9 transformation matrix comprising the first 9 columns of a matrix shown in Appendix B3 for classifying early and late samples.

Example 14. Diagnostic Test for Ovarian Tumours: Key Lipids

A major advantage of the targeted approach described here is its inherent foundation on a set of characterized lipid species. This is in complete contrast to previous proteomic studies which were based on pattern analysis of ions from largely unidentified and uncharacterized peptides.

Detailed comparison, using the Kruskal Wallis test (a non-parametric equivalence of ANOVA, Figure 1), revealed a subset of ~80 lipid (82) species which are sufficient to describe > 99.9% of the variance between the different sets of cases and controls.

A further striking result which provides new information on potential association with ovarian cancer is the observation of mis-regulated choline lipids.

Based on the principal components and also by individual calculations of the differences, lipids responsible for the separation of controls from patients are identified.

Some of the few representative lipids are shown in Figure 10. Contribution of the major lipid players in the diagnosis is depicted as a pie chart in Figure 11. The lipids after removal of the standards and the backgrounds are narrowed down to 360 and is covered as a pie chart.

Percentages indicate the relative distribution among the 11 classes of lipids. The outer boundary of the chart depicts lyso (open) and non-lyso forms of lipids (filled). Only lipids with a difference and $p<0.001$ are shown. A blue circle indicates and increase in a particular lipid in malignant over benign forms of tumor while a red diamond reflects a decrease in the

respective lipid in patient over control. Note the dramatic alterations of choline lipids (GPCho and SM) in plasma from patients with ovarian cancer. Some of the lipid species are represented as chemical structures. A list of the altered lipids between the cases and the controls is shown in Table E6.

	Lipid	m/z	Benign	Malignant	p-value
1	GPA:36:0	703.8	29.71	80.76	<1.0E-06
2	GPA:16:0/22:5	721.8	65.75	187.84	<1.0E-06
3	GPA:38:0	731.8	44.66	109.80	<1.0E-06
4	GPGro:Lyso 16:0	483.4	89.99	175.45	<1.0E-06
5	GPGro:Lyso 18:0	511.4	89.22	186.02	<1.0E-06
6	GPGro:18:2/18:2	769.8	101.89	68.33	<1.0E-06
7	GPGro:18:0/18:0	777.8	57.67	175.25	<1.0E-06
8	GPEtn:Lyso18:2a	476.6	55.96	46.37	<1.0E-06
9	GPEtn:Lyso 18:1	478.4	61.14	53.12	<1.0E-06
10	GPEtn:Lyso 20:4	500.4	77.46	40.49	<1.0E-06
11	GPEtn:Lyso 22:6	524.4	96.20	51.64	<1.0E-06
12	GPCho:32:0a	734.6	106.21	125.10	<1.0E-06
13	GPCho:34:2e	744.6	81.22	65.69	<1.0E-06
14	GPCho:36:2a	786.6	90.83	81.70	<1.0E-06
15	GPCho:38:2a	814.6	103.44	127.24	<1.0E-06
16	Cer: d18:1 / 18:0	566.7	118.28	232.24	<1.0E-06
17	Cer: d18:1 / 20:0	594.7	96.63	172.62	<1.0E-06
18	Cer: d18:1 / 22:0	622.8	74.18	122.63	<1.0E-06
19	Cer: d18:1 / 24:1	648.9	84.79	167.95	<1.0E-06
20	SM: d18:1 / 18:0	731.8	120.26	154.36	<1.0E-06
21	SM: d18:1 / 22:0	787.9	89.88	88.01	<1.0E-06
22	SM: d18:1 / 24:1	813.9	106.69	132.41	<1.0E-06
23	GPA:36:1	701.8	15.82	47.90	1.0E-06
24	GPCho:36:3a	784.6	93.47	79.88	1.0E-06
25	GPCho:40:5p, 40:6e	820.6	126.80	91.35	1.0E-06
26	GPCho:40:6a	834.6	137.30	94.11	1.0E-06
27	SM: d18:1 / 26:0	843.9	135.42	92.25	1.0E-06
28	GPCho:Lyso 18:2	520.4	78.55	75.98	2.0E-06
29	GPCho:38:5a	808.6	117.55	86.87	3.0E-06
30	GPA:18:1/16:0	673.8	34.06	71.35	4.0E-06
31	Cer: d18:1 / 24:0	650.9	58.15	91.39	5.0E-06
32	GPCho:38:5p, 38:6e	792.6	113.63	89.05	6.0E-06
33	DiHexCer: d18:1 / 18:0	890.7	93.33	143.80	7.0E-06
34	GPGro:18:2/18:1	771.8	75.18	77.63	1.0E-05
35	GPCho:36:2p, 36:3e	770.6	93.96	80.83	1.0E-05
36	GPA:36:2	699.8	41.77	76.41	1.1E-05
37	GPCho:28:0a	678.5	62.22	69.74	1.2E-05
38	MonoHexCer: d18:1 / 18:0	728.7	78.23	130.92	1.3E-05
39	MonoHexCer: d18:1 / 24:1	810.9	96.74	147.14	1.9E-05
40	Cer: d18:1 / 16:0	538.7	109.71	152.16	2.6E-05

Table E6. Lipids Responsible for Classification of Ovarian Cancers

Interestingly some of the GPEtn are also shown to be altered. The ovarian cancers have been shown to have an altered phosphatidylcholine metabolism. These three lipids are tightly interlinked both in their biochemical, synthetic and regulatory pathways.

There are reports of increased levels of choline phospholipids in the cancer cells. This is due to the increased activities of choline kinase, phospholipase C and phospholipase D in these cancer tissues. The exact role of these enzymes in carcinogenesis is not studied exclusively and remains inconclusive till date.

The overall reduction of choline lipids is mirrored by an increase in ceramides (Cer) and glycosylated ceramides (HexCer) pointing to activation of hydrolases with are specific for choline headgroups such as phospholipase (PLD) and sphingomyelinases (SMases). Thus it could be predictive that the levels of the lipids in the blood of the individuals could be a representative profile of these lipids in comparison to that in the ovarian tissues.

There could be a leakage or intake of these lipids through the ovarian cancer cells to or from blood, thereby altering their levels. Or else it could be a secondary effect upon the vascular system coming in contact with these abnormally growing cells. Further investigation needs to be carried out to answer the origin of this choline containing species.

Example 15. Diagnostic Test for Ovarian Tumours: Analysis Using Lipid Subset

Example 14 demonstrates that a subset of ~80 lipid (82) species is sufficient to describe > 99.9% of the variance between the different sets of cases and controls.

These 82 lipids are set out in Table D2 above.

Corresponding classification models may be formed by applying PCA and SVM on a training dataset comprising concentrations of the 82 lipids shown in Table D2, using the methods described above.

The classification models are described in detail below. They may be used to classify normal vs diseased, benign vs malignant and early vs late, etc as described above. Accordingly, classification can be conducted by simply determining the concentrations of these 82 lipids in a biological sample from an individual and applying the classification methods described in this document.

Appendix B4 shows an 82 x 82 transformation matrix derived from PCA analysis of a dataset comprising lipid concentrations of the 82 lipids shown in Table D2 in normal and diseased samples. Appendix C10 shows a corresponding SVM model. The transformation matrix of Appendix B4 and the SVM model of Appendix C10 may be used as a classification model for classifying normal and diseased samples.

Appendix B5 shows an 82 x 82 transformation matrix derived from PCA analysis of a dataset comprising lipid concentrations of the 82 lipids shown in Table D2 in benign and malignant samples. Appendix C11 shows a corresponding SVM model. The transformation matrix of Appendix B5 and the SVM model of Appendix C11 may be used as a classification model for classifying benign and malignant samples.

Appendix B6 shows an 82 x 82 transformation matrix derived from PCA analysis of a dataset comprising lipid concentrations of the 82 lipids shown in Table D2 in early and late samples. Appendix C12 shows a corresponding SVM model. The transformation matrix of Appendix B6 and the SVM model of Appendix C12 may be used as a classification model for classifying benign and malignant samples.

Example 16. Diagnostic Test for Ovarian Tumours: Analysis Using Choline Lipids

Example 14 demonstrates that levels of choline lipids are associated with ovarian cancer.

Table D1 is a list of 77 choline lipid species, comprising phosphatidylcholines (GPCho) and sphingomyelins (SM).

Corresponding classification models may be formed by applying PCA and SVM on a training dataset comprising concentrations the 77 choline lipids shown in Table D1.

Figure 12 shows a receiver operating characteristics (ROC) curve. The ROC curve compares the performance of a classification model derived from analysis of the 77 choline lipids (GPCho and SM) in Table D1 (dashed line) and a classification model derived from analysis of the 340 lipids in Table D3 (solid line).

The classification models are described in detail below. They may be used to classify normal vs diseased, benign vs malignant and early vs late, etc as described above.

Accordingly, classification can be conducted by simply determining the concentrations of these 77 choline lipids in a biological sample from an individual and applying the classification methods described in this document.

Appendix B7 shows an 77 x 77 transformation matrix derived from PCA analysis of a dataset comprising lipid concentrations of the 77 choline lipids shown in Table D1 in normal and diseased samples. Appendix C13 shows a corresponding SVM model. The transformation matrix of Appendix B7 and the SVM model of Appendix C13 may be used as a classification model for classifying normal and diseased samples.

Appendix B8 shows an 77 x 77 transformation matrix derived from PCA analysis of a dataset comprising lipid concentrations of the 77 choline lipids shown in Table D1 in benign and malignant samples. Appendix C14 shows a corresponding SVM model. The transformation matrix of Appendix B8 and the SVM model of Appendix C14 may be used as a classification model for classifying benign and malignant samples.

Appendix B9 shows an 77 x 77 transformation matrix derived from PCA analysis of a dataset comprising lipid concentrations of the 77 choline lipids shown in Table D1 in early and late samples. Appendix C15 shows a corresponding SVM model. The transformation matrix of Appendix B9 and the SVM model of Appendix C15 may be used as a classification model for classifying benign and malignant samples.

Example 17. Diagnostic Test for Ovarian Tumours: Blinded Tests

To confirm our findings, we subsequently challenged our models to another set of independent 73 test samples which had been blinded before the prediction.

The analysis is done in a pseudo clinical setup in collaboration with the affiliated hospital. The samples are obtained in a set of 5 and the lipid extracts are carried out immediately after obtaining the samples. The lipids are analyzed on the mass spectrometry in a set of 10. This is to introduce day-to-day disparity in the extraction methods and also the mass spectrometry settings.

The prediction process is depicted in the flowchart shown in Figure 13.

The demographic profiles of these 73 samples are depicted in Table E7.

BLIND SAMPLES	Ave Age	Max	Min	Chinese	Malay	Indian	Other/NA	Sum
Control	NA	NA	NA	3	3	3	5	14
Patient	48	81	16	27	21	5	6	59
Benign	46	81	16	20	18	3	6	47
Malignant	49	74	16	7	3	2	0	12
Early	53	71	23	1	1	0	0	2
Late	47	74	16	6	2	2	0	10
								73

BLIND SAMPLES	Benign	Malignant	Early	Late
Endometroid	11	2	1	1
Mucinous	8	5	1	4
Ser/Pap	8	3	0	3
Dermoid	11	0	0	0
Physiol/foll	1	0	0	0
other	8	2	0	2
Clear Cell	0	0	0	0
Mixed Germ	0	0	0	0
	47	12	2	10

Table E7. Demographic Profiling of Plasma Samples in Blinded Set

The blinded samples are passed through the SVM models which separated the samples into control, benign or malignant (Figure 14).

In this scenario, a blinded sample passes through a maximum of 3 SVM models for full prediction. Each step makes a binary decision.

The first model (also known as "SVM-1") predicts whether the sample shows 'patient' or 'control' characteristic.

If classified as 'patient' it will continue through a second model (also known as "SVM-2") which predicts whether it is 'benign' or 'malignant'.

The third SVM (also known as "SVM-3") discriminates early vs. late stages.

Each of the blinded samples is passed through the predictors.

The predictions for all the 73 test samples are obtained and then the samples are un-blinded.

Example 18. Diagnostic Test for Ovarian Tumours: Blinded Tests Results

The lipidomic based biomarker is able to correctly diagnose 8 of the 11 malignant patients, 45 out of 48 benign patients and 10 out of 14 samples as normals. So in all 63 out of the 73 samples are predicted accurately. This rate of prediction seems to be quite reasonable.

The SVM also predicted the late from the early malignant samples but the number of malignant samples is observed to be very low and hence is not taken for statistical considerations. This is unavoidable as these sets of blinded samples are randomly separated from the original set of 211.

The prediction summary is depicted in Table E8.

	Control Vs Patient	Benign Vs Malignant	Early Vs Late	Cont+Benign Vs Malignant
True Positive (TP)	55	8	1	8
True Negative (TN)	10	45	3	58
False Positive (FP)	4	3	5	4
False Negative (FN)	4	3	0	3
Total	*73*	*59*	*9*	*73*
Sensitivity	93.22	72.73	100.00	72.73
Specificity	71.43	93.75	37.50	93.55
PPV	93.22	72.73	16.67	66.67
NPV	71.43	93.75	100.00	95.08
Accuracy	89.04	89.83	44.44	90.41

Table E8. Prediction Summary for the Blinded Samples Based on the SVM Models

The model is able to differentiate between the controls and the patients with a PPV and NPV of 93% (55 of 59) and 71% (10 of 14) with 89% accuracy (65 of 73), 93% sensitivity (55 of 59) and 71% specificity (10 of 14).

The predicted patients samples (59) are passed through the second predictor (SVM-2) to distinguish the benign from the malignant, the PPV and NPV obtained is 72% and 93% respectively with an accuracy of 89% (sensitivity 73% , specificity 94%).

The blinded samples are observed to have less number of malignant samples (11) and hence with this low number the third model (SVM-3) even though it is supposed to be a good predictor would not give a statistically significant data and hence is not used for prediction. Another model for the separation of the malignant from the controls and benign is able to give a PPV and NPV of 67% and 95% respectively with an accuracy of 90%.

Even though upon comparison between the model and the blinded samples, the blinded samples did not perform to the expectations, they still seem to justify the use of lipids as biomarker tools. This is so because the markers are able to differentiate between the benign against malignant cancer harboring patients which itself seems quite novel.

Example 19. Discussion

The goal of our study is not only to detect the patients from the normal but also to separate the benign from the malignant. This is because based on the present clinical scenario there are no available tools to identify the benign from the malignant unless the growth is surgically removed and goes to various pathological testing. We are able to do so and also extrapolate our model to separate the late from the early stages of malignancy. Our model worked very well in comparison to the CA125 test. Even though the CA125 showed slightly better performance than the previously reported work, it still could not match the performance of the lipid based biomarkers.

The strength of this method relies not only on using one set or class of biomarkers but a complete profile and then use it as a diagnostic tool. This reduces the room for error as the lipids which are screened as very high. Also the level of the sample that is needs for this type of analysis is very low.

As low as 50µl of plasma sample which could be easily obtained from the patient is able to diagnose not only whether there is a formation of cyst but also whether this growth is benign or malignant. This will reduce the burden of the patients from going into unwanted surgical procedures and trauma. It could be emphasized that the CA125 in conjunction with the lipid based biomarker and the TVU could also increase then have a very good predictive rate.

This methodology of using MRM for the analysis is novel and there have been no reports to our knowledge to date which uses this robust way of quantification of lipids. This methodology seems superior to the semi-quantitative analysis using the lipid spectra as the spectra could be a mix of more than one species. And also one would need to do further studies to confirm the presence of the regulated species. This makes it less clinically significant.

In conclusion, the lipidomic based biomarker profiling can not only be used for the ovarian cancer but can be extrapolated to other pathological conditions.

REFERENCES

Baker, D.L. *et al.* Plasma lysophosphatidic acid concentration and ovarian cancer. *JAMA* **287**, 3081-3082 (2002).

Brügger, B., Erben, G., Sandhoff, R., Wieland, F. T., Lehmann, W. D. 1997. Quantitative analysis of biological membrane lipids at the low picomole level by nano-electrospray ionization tandem mass spectrometry [published erratum appears in Proc. Natl. Acad. Sci. USA. 1999. 96:10943]. Proc. Natl. Acad. Sci. USA. 94:2339-2344.

Cattell, R B (1966). The meaning and strategic use of factor analysis. In R. B. Cattell (Ed.), Handbook of multivariate experimental psychology (pp. 174-243). Chicago: Rand McNally.

Einhorn,N. *et al.* Prospective evaluation of serum CA 125 levels for early detection of ovarian cancer. *Obstet. Gynecol.* **80**, 14-18 (1992).

Fernandis,A.Z. & Wenk,M.R. Membrane lipids as signaling molecules. *Curr. Opin. Lipidol.* **18**, 121-128 (2007).

Glunde,K. & Serkova,N.J. Therapeutic targets and biomarkers identified in cancer choline phospholipid metabolism. *Pharmacogenomics.* **7**, 1109-1123 (2006).

Guan,X.L. & Wenk,M.R. Mass spectrometry-based profiling of phospholipids and sphingolipids in extracts from Saccharomyces cerevisiae. *Yeast* **23**, 465-477 (2006)

Han, X., Gross, R. W. 1994. Electrospray ionization mass spectroscopic analysis of human erythrocyte plasma membrane phospholipids. Proc. Natl. Acad. Sci. USA. 91:10635-10639.

Han, X., Gubitosi-Klug, R. A., Collins, B. J., Gross, R. W. 1996. Alterations in individual molecular species of human platelet phospholipids during thrombin stimulation: electrospray ionization mass spectrometry-facilitated identification of the boundary conditions for the magnitude and selectivity of thrombin-induced platelet phospholipid hydrolysis. Biochemistry. 35:5822-5832.

Hsu, F. F., Ma, Z., Wohltmann, M., Bohrer, A., Nowatzke, W., Ramanadham, S., Turk, J. 2000. Electrospray ionization/mass spectrometric analyses of human promonocytic U937 cell glycerophospholipids and evidence that differentiation is associated with membrane lipid composition that facilitate phospholipase A2 activation. J. Biol. Chem. 275:16579-16589.

Iorio,E. *et al.* Alterations of choline phospholipid metabolism in ovarian tumor progression. *Cancer Res.* **65**, 9369-9376 (2005).

Jacobs,I. *et al.* Prevalence screening for ovarian cancer in postmenopausal women by CA 125 measurement and ultrasonography. *BMJ* **306**, 1030-1034 (1993).

Jacobs,I.J. & Menon,U. Progress and challenges in screening for early detection of ovarian cancer. *Mol. Cell Proteomics.* **3**, 355-366 (2004).

Joachims T. *Making large-Scale SVM Learning Practical.* Advances in Kernel Methods - Support Vector Learning, B. 1999. MIT Press. Ref Type: Generic

Kaddurah-Daouk,R. *et al.* Metabolomic mapping of atypical antipsychotic effects in schizophrenia. *Mol. Psychiatry*(2007).

Kaiser, H F (1960). The application of electronic computers to factor analysis. Educational and Psychological Measurement, 20, 141-151.

Kerwin, J. L., Tuininga, A. R., Ericsson, L. H. 1994. Identification of molecular species of glycerophospholipids and sphingomyelin using electrospray mass spectrometry. J. Lipid Res. 35:1102-1114.

Kim, H. Y., Wang, T. C., Ma, Y. C. 1994. Liquid chromatography/mass spectrometry of phospholipids using electrospray ionization. Anal. Chem. 66:3977-3982.

Koivusaloa et al, 2001. Journal of Lipid Research, Vol. 42, 663-672, April 2001.

Kozak,K.R. *et al.* Identification of biomarkers for ovarian cancer using strong anion-exchange ProteinChips: potential use in diagnosis and prognosis. *Proc. Natl. Acad. Sci. U. S. A* **100**, 12343-12348 (2003).

Laaksonen,R. *et al.* A systems biology strategy reveals biological pathways and plasma biomarker candidates for potentially toxic statin-induced changes in muscle. *PLoS. ONE.* **1**, e97 (2006).

Menon,U. & Jacobs,I. Screening for ovarian cancer. *Best. Pract. Res. Clin. Obstet. Gynaecol.* **16**, 469-482 (2002)

Merrill,A.H., Jr., Sullards,M.C., Allegood,J.C., Kelly,S., & Wang,E. Sphingolipidomics: high-throughput, structure-specific, and quantitative analysis of sphingolipids by liquid chromatography tandem mass spectrometry. *Methods* **36**, 207-224 (2005).

Myher, J. J., Kuksis, A. 1995. Electrospray MS for lipid identification. INFORM. 6:1068-1072.

Noble, W.S. 2006. What is a support vector machine? *Nat. Biotechnol.* **24**:1565-1567.

Okita,M., Gaudette,D.C., Mills,G.B., & Holub,B.J. Elevated levels and altered fatty acid composition of plasma lysophosphatidylcholine(lysoPC) in ovarian cancer patients. *Int. J. Cancer* **71**, 31-34 (1997).

Patton, G. M., Fasulo, J. M., Robins, S. J. 1982. Separation of phospholipids and individual molecular species of phospholipids by high-performance liquid chromatography. *J. Lipid Res.* **23**:190-196.

Petricoin,E.F. *et al.* Use of proteomic patterns in serum to identify ovarian cancer. *Lancet* **359**, 572-577 (2002).

Ramanadham, S., Hsu, F. F., Bohrer, A., Nowatzke, W., Ma, Z., Turk, J. 1998. Electrospray ionization mass spectrometric analyses of phospholipids from rat and human pancreatic islets and subcellular membranes: comparison to other tissues and implications for membrane fusion in insulin exocytosis. Biochemistry. 37:4553-4567.

Schneiter, R., Brugger, B., Sandhoff, R., Zellnig, G., Leber, A., Lampl, M., Athenstaedt, K., Hrastnik, C., Eder, S., Daum, G., Paltauf, F., Wieland, F. T., Kohlwein, S. D. 1999. Electrospray ionization tandem mass spectrometry (ESI-MS/MS) analysis of the lipid molecular species composition of yeast subcellular membranes reveals acyl chain-based sorting/remodeling of distinct molecular species en route to the plasma membrane. J. Cell. Biol. 146:741-754.

Sjovall,K., Nilsson,B., & Einhorn,N. The significance of serum CA 125 elevation in malignant and nonmalignant diseases. *Gynecol. Oncol.* **85**, 175-178 (2002).

Stevens, J (1966). Applied multivariate statistics for the social sciences (3rd ed. Pp 362-422). Mahwah, NJ, USA: Lawrence Erlbaum Associates.

Sutphen,R. *et al.* Lysophospholipids are potential biomarkers of ovarian cancer. *Cancer Epidemiol. Biomarkers Prev.* **13**, 1185-1191 (2004).

Wenk,M.R. The emerging field of lipidomics. *Nat. Rev. Drug Discov.* **4**, 594-610 (2005).

Xu,Y. *et al.* Lysophosphatidic acid as a potential biomarker for ovarian and other gynecologic cancers. *JAMA* **280**, 719-723 (1998).

Yetukuri,L. *et al.* Bioinformatics strategies for lipidomics analysis: characterization of obesity related hepatic steatosis. *BMC. Syst. Biol.* **1**, 12 (2007).

Each of the applications and patents mentioned in this document, and each document cited or referenced in each of the above applications and patents, including during the prosecution of each of the applications and patents ("application cited documents") and any manufacturer's instructions or catalogues for any products cited or mentioned in each of the applications and patents and in any of the application cited documents, are hereby incorporated herein by reference. Furthermore, all documents cited in this text, and all

documents cited or referenced in documents cited in this text, and any manufacturer's instructions or catalogues for any products cited or mentioned in this text, are hereby incorporated herein by reference.

Various modifications and variations of the described methods and system of the invention will be apparent to those skilled in the art without departing from the scope and spirit of the invention. Although the invention has been described in connection with specific preferred embodiments, it should be understood that the invention as claimed should not be unduly limited to such specific embodiments. Indeed, various modifications of the described modes for carrying out the invention which are obvious to those skilled in molecular biology or related fields are intended to be within the scope of the claims.

Appendix A

MRM Conditions for Lipids

	A	B	C	D	E	F	G	H	I
1	Number	Parent Ion	Daughter Ion	Lipid Identification	Dwell (mSec)	DP	EP	CE	CXP
2	1	409.4	255.3	409.4/255.3>GPA:Lyso 16:0	25	-110	-10	-40	-10
3	2	433.4	279.3	433.4/279.3>GPA:Lyso 18:2	25	-60	-10	-30	-6
4	3	435.4	281.3	435.4/281.3>GPA:Lyso 18:1	25	-120	-10	-30	-4
5	4	437.4	283.3	437.4/283.3>GPA:Lyso 18:0	25	-110	-10	-40	-5
6	5	451.4	297.3	451.4/283.3>GPA:Lyso 18:0	25	-70	-10	-30	-5
7	6	459.6	305.5	459.6/305.5>GPA:Lyso 20:3	25	-90	-10	-20	-24
8	7	461.6	307.5	461.6/307.5>GPA:Lyso 20:2	25	-80	-10	-40	-20
9	8	463.7	309.5	463.7/309.5>GPA:Lyso 20:1	25	-80	-10	-35	-8
10	9	465.7	311.5	465.7/311.5>GPA:Lyso 20:0	25	-80	-10	-30	-12
11	10	481.4	327.3	481.4/327.3>GPA:Lyso 22:6	25	-110	-10	-30	-4
12	11	483.4	329.3	483.4/329.3>GPA:Lyso 22:5	25	-60	-10	-20	-6
13	12	641.8	251.3	641.8/251.3>GPA:16:1/16:2	25	-140	-10	-40	-8
14	13	643.8	253.3	643.8/253.3>GPA:16:1/16:1	25	-60	-10	-70	-16
15	14	645.8	255.3	645.8/255.3>GPA:16:1/16:0	25	-120	-10	-40	-10
16	15	647.8	255.3	647.8/255.3>GPA:16:0/16:0	25	-120	-10	-50	-4
17	16	667.8	279.3	667.8/279.3>GPA:34:4	25	-160	-10	-70	-4
18	17	669.8	279.3	669.8/279.3>GPA:34:3	25	-100	-10	-50	-14
19	18	669.8	281.3	669.8/281.3>GPA:34:4	25	-140	-10	-40	-4
20	19	671.8	279.3	671.8/279.3>GPA:18:2/16:0	25	-80	-10	-40	-10
21	20	673.8	281.3	673.8/281.3>GPA:18:1/16:0	25	-140	-10	-50	-14
22	21	695.8	279.3	695.8/279.3>GPA:36:4	25	-140	-10	-40	-10
23	22	695.8	303.3	695.8/303.3>GPA:36:4	25	-60	-10	-40	-16
24	23	697.8	305.3	697.8/281.3>GPA:20:3/16:0	25	-100	-10	-50	-5
25	24	697.8	281.3	697.8/305.3>GPA:18:1/18:2	25	-160	-10	-50	-5
26	25	699.8	279.3	699.8/279.3>GPA:36:2	25	-140	-10	-40	-8
27	26	699.8	281.3	699.8/281.3>GPA:36:2	25	-160	-10	-50	-8
28	27	701.8	283.3	701.8/283.3>GPA:36:1	25	-200	-10	-50	-4
29	28	703.8	283.3	703.8/283.3>GPA:36:0	25	-180	-10	-50	-18
30	29	721.8	281.3	721.8/255.3>GPA:18:1/20:4	25	-200	-10	-50	-5
31	30	721.8	255.3	721.8/281.3>GPA:16:0/22:5	25	-140	-10	-50	-14
32	31	723.8	283.3	723.8/283.3>GPA:18:0/20:4	25	-200	-10	-50	-5
33	32	725.8	305.3	725.8/305.3>GPA:20:3/18:0	25	-200	-10	-40	-5
34	33	729.8	281.3	729.8/281.3>GPA:38:1	25	-100	-10	-70	-6
35	34	731.8	283.3	731.8/283.3>GPA:38:0	25	-140	-10	-50	-12
36	35	751.8	303.3	751.8/303.3>GPA:40:4	25	-160	-10	-40	-12
37	36	757.8	281.3	757.8/281.3>GPA:40:1	25	-180	-10	-50	-20
38	37	759.8	283.3	759.8/283.3>GPA:40:0	25	-60	-10	-60	-16
39	38	777.8	339.3	777.8/329.3>GPA:42:5	25	-160	-10	-40	-14
40	39	481.4	253.3	481.4/253.3>GPGro:Lyso 16:1	25	-80	-10	-30	-7
41	40	483.4	255.3	483.4/255.3>GPGro:Lyso 16:0	25	-70	-10	-40	-5
42	41	507.4	279.3	507.4/279.3>GPGro:Lyso 18:2	25	-60	-10	-40	-7
43	42	509.4	281.3	509.4/281.3>GPGro:Lyso 18:1	25	-60	-10	-40	-5
44	43	511.4	283.3	511.4/283.3>GPGro:Lyso 18:0	25	-70	-10	-40	-5
45	44	531.4	303.3	531.4/303.3>GPGro:Lyso 20:4	25	-60	-10	-30	-5
46	45	555.4	327.3	555.4/327.3>GPGro:Lyso 22:6	25	-100	-10	-30	-5
47	46	557.4	329.3	557.4/329.3>GPGro:Lyso 22:5	25	-80	-10	-30	-5
48	47	717.8	253.3	717.8/253.3>GPGro:16:1/16:1	25	-180	-10	-50	-8
49	48	719.8	253.3	719.8/253.3>GPGro:16:1/16:0	25	-70	-10	-50	-10
50	49	721.8	255.3	721.8/255.3>GPGro:16:0/16:0	25	-180	-10	-50	-4
51	50	743.8	279.3	743.8/279.3>GPGro:18:2/16:1	25	-180	-10	-50	-4
52	51	743.8	281.3	743.8/281.3>GPGro:18:1/16:2	25	-180	-10	-40	-14
53	52	745.8	279.3	745.8/279.3>GPGro:18:2/16:0	25	-160	-10	-40	-7
54	53	745.8	281.3	745.8/281.3>GPGro:18:1/16:1	25	-160	-10	-50	-10
55	54	747.8	281.3	747.8/255.2>GPGro:16:0/18:1	25	-60	-10	-50	-4
56	55	747.8	283.3	747.8/281.1>GPGro:16:0/18:1	25	-200	-10	-50	-5
57	56	749.8	283.3	749.8/283.3>GPGro:18:0/16:0	25	-200	-10	-40	-5
58	57	767.8	303.3	767.8/303.3>GPGro:20:4/16:1	25	-180	-10	-40	-14
59	58	769.8	279.3	769.8/279.3>GPGro:18:2/18:2	25	-110	-10	-50	-5
60	59	769.8	303.3	769.8/303.3>GPGro:20:4/16:0	25	-110	-10	-40	-5

	A	B	C	D	E	F	G	H	I
61	60	771.8	279.3	771.8/279.3>GPGro:18:2/18:1	25	-180	-10	-50	-7
62	61	773.8	279.3	773.8/279.3>GPGro:18:2/18:0	25	-160	-10	-50	-5
63	62	773.8	281.3	773.8/281.3>GPGro:18:1/18:1	25	-180	-10	-50	-10
64	63	775.8	281.3	775.8/281.3>GPGro:18:1/18:0	25	-140	-10	-50	-10
65	64	777.8	283.3	777.8/283.3>GPGro:18:0/18:0	25	-140	-10	-50	-7
66	65	795.8	303.3	795.8/303.3>GPGro:20:4/18:1	25	-160	-10	-40	-6
67	66	797.8	303.3	797.8/303.3>GPGro:20:4/18:0	25	-140	-10	-50	-18
68	67	821.8	327.3	821.8/327.3>GPGro:22:6/18:0	25	-140	-10	-40	-7
69	68	823.8	329.3	823.8/329.3>GPGro:22:5/18:0	25	-140	-10	-50	-18
70	69	494.4	407.4	494.4/407.4>Lyso GPSer:16:1	25	-160	-10	-30	-4
71	70	496.4	409.4	496.4/409.4>Lyso GPSer:16:0	25	-110	-10	-20	-14
72	71	522.4	435.4	522.4/435.4>Lyso GPSer:18:1	25	-110	-10	-30	-10
73	72	524.4	437.4	524.4/437.4>Lyso GPSer:18:0	25	-110	-10	-30	-14
74	73	544.4	457.4	544.4/457.4>Lyso GPSer:20:4	25	-180	-10	-20	-7
75	74	570.4	483.4	570.4/483.4>Lyso GPSer:22:5	25	-140	-10	-50	-10
76	75	732.6	645.6	732.6/645.6>GPSer:32:1	25	-120	-10	-31	-15
77	76	734.6	647.6	734.6/647.6>GPSer:32:0	25	-120	-10	-31	-21
78	77	758.6	671.6	758.6/671.6>GPSer:34:2	25	-120	-10	-31	-18
79	78	760.8	673.8	760.8/673.8>GPSer:34:1	25	-80	-10	-30	-10
80	79	762.8	675.7	762.8/675.7>GPSer:34:0	25	-130	-10	-35	-15
81	80	782.6	695.7	782.6/695.7>GPSer:36:4	25	-120	-10	-35	-15
82	81	784.8	697.8	784.8/697.8>GPSer:36:3	25	-100	-10	-30	-14
83	82	786.8	699.8	786.8/699.8>GPSer:36:2	25	-60	-10	-30	-8
84	83	788.8	701.8	788.8/701.8>GPSer:36:1	25	-100	-10	-30	-8
85	84	790.8	703.8	790.8/703.8>GPSer:36:0	25	-80	-10	-30	-10
86	85	808.6	721.6	808.6/721.6>GPSer:38:6	25	-110	-10	-31	-15
87	86	810.8	723.8	810.8/723.8>GPSer:38:5	25	-70	-10	-30	-14
88	87	812.8	725.8	812.8/725.8>GPSer:38:4	25	-180	-10	-30	-10
89	88	814.6	727.6	814.6/727.6>GPSer:38:3	25	-110	-10	-35	-15
90	89	816.8	729.8	816.8/729.8>GPSer:38:2	25	-120	-10	-35	-15
91	90	818.8	731.8	818.8/731.8>GPSer:38:1	25	-120	-10	-33	-12
92	91	834.8	747.8	834.8/747.8>GPSer:40:6	25	-110	-10	-40	-8
93	92	836.8	749.8	836.8/749.8>GPSer:40:5	25	-110	-10	-30	-10
94	93	838.8	751.8	838.8/751.8>GPSer:40:4	25	-70	-10	-30	-6
95	94	840.6	753.7	840.6/753.7>GPSer:40:3	25	-110	-10	-35	-15
96	95	778.9	97	778.9/97>Sulfatide:16:0	25	-160	-10	-100	-5
97	96	806.9	97	806.9/97>Sulfatide:18:0	25	-170	-10	-120	-9
98	97	822.9	97	822.9/97>Sulfatide:18:0 (OH)	25	-100	-10	-120	-8
99	98	834.9	97	834.9/97>Sulfatide:20:0	25	-90	-10	-100	-20
100	99	850.9	97	850.9/97>Sulfatide:20:0 (OH)	25	-110	-10	-110	-8
101	100	862.9	97	862.9/97>Sulfatide:22:1	25	-90	-10	-120	-20
102	101	878.9	97	878.9/97>Sulfatide: 22:1 (OH)	25	-90	-10	-120	-8
103	102	888.9	97	888.9/97>Sulfatide:24:1	25	-90	-10	-120	-16
104	103	890.9	97	890.9/97>Sulfatide:24:0	25	-90	-10	-120	-16
105	104	906.7	97	906.7/97>Sulfatide:24:0 (OH)	25	-90	-10	-120	-20
106	105	1147	281.3	1147/281.3>CardioliGPInsn:52:3	25	-140	-10	-90	-6
107	106	1376	281.3	1376/281.3>CardioliGPInsn:66:2	25	-120	-10	-90	-5
108	107	1400	281.3	1400/281.3>CardioliGPInsn:68:4	25	-70	-10	-90	-13
109	108	1402	281.3	1402/281.3>CardioliGPInsn:68:3	25	-70	-10	-90	-10
110	109	1404	281.3	1404/281.3>CardioliGPInsn:68:2	25	-90	-10	-70	-12
111	110	1406	281.3	1406/281.3>CardioliGPInsn:68:1	25	-70	-10	-70	-12
112	111	1426	281.3	1426/281.3>CardioliGPInsn:70:5	25	-110	-10	-90	-12
113	112	1428	281.3	1428/281.3>CardioliGPInsn:70:4	25	-120	-10	-80	-10
114	113	1430	281.3	1430/281.3>CardioliGPInsn:70:3	25	-70	-10	-90	-11
115	114	1432	281.3	1432/281.3>CardioliGPInsn:70:2	25	-90	-10	-70	-12
116	115	1434	281.3	1434/281.3>CardioliGPInsn:70:1	25	-150	-10	-80	-13
117	116	1436	281.3	1436/281.3>CardioliGPInsn:70:0	25	-90	-10	-90	-8
118	117	436.6	196.1	436.6/196.1>Lyso GPEtn:Lyso16:1e/16:0p	25	-110	-10	-30	-10
119	118	450.4	196.1	450.4/196.1>Lyso GPEtn:Lyso 16:1	25	-100	-10	-30	-10
120	119	452.4	196.1	452.4/196.1>Lyso GPEtn:Lyso 16:0	25	-110	-10	-30	-8

	A	B	C	D	E	F	G	H	I
121	120	462.4	196.1	462.4/196.1>Lyso GPEtn:Lyso18:2e/18:1p	25	-160	-10	-35	-8
122	121	464.5	196.1	464.5/196.1>Lyso GPEtn:Lyso18:1e/18:0p	25	-160	-10	-35	-8
123	122	476.6	196.1	476.6/196.1>Lyso GPEtn:Lyso18:2a	25	-140	-10	-25	-16
124	123	478.4	196.1	478.4/196.1>Lyso GPEtn:Lyso 18:1	25	-100	-10	-30	-7
125	124	480.4	196.1	480.4/196.1>Lyso GPEtn:Lyso 18:0	25	-100	-10	-40	-7
126	125	492.5	196.1	492.5/196.1>Lyso GPEtn:Lyso20:1e/20:0p	25	-70	-10	-40	-12
127	126	500.4	196.1	500.4/196.1>Lyso GPEtn:Lyso 20:4	25	-110	-10	-30	-10
128	127	524.4	196.1	524.4/196.1>Lyso GPEtn:Lyso 22:6	25	-100	-10	-30	-18
129	128	688.6	196.1	688.6/196.1>GPEtn:16:0/16:1	25	-145	-10	-63	-6
130	129	690.7	196.1	690.7/196.1>GPEtn 16:0/16:0	25	-145	-10	-63	-6
131	130	698.6	196.1	698.6/196.1>GPEtn:34:2p, 34:3e	25	-145	-10	-63	-6
132	131	700.6	196.1	700.6/196.1>GPEtn:34:1p, 34:2e	25	-145	-10	-63	-9
133	132	702.6	196.1	702.6/196.1>GPEtn:34:0p, 34:1e	25	-145	-10	-63	-6
134	133	710.8	196.1	710.8/196.1>GPEtn:18:1/16:1	25	-70	-10	-50	-6
135	134	712.8	196.1	712.8/196.1>GPEtn:18:2/16:1	25	-110	-10	-40	-14
136	135	714.8	196.1	714.7/196.1>GPEtn:18:1/16:1	25	-60	-10	-50	-10
137	136	716.8	196.1	716.7/196.1>GPEtn:18:1/16:0	25	-140	-10	-60	-14
138	137	718.6	196.1	718.6/196.1>GPEtn:18:0/16:0	25	-145	-10	-60	-30
139	138	722.6	196.1	722.6/196.1>GPEtn:36:4p	25	-175	-10	-63	-6
140	139	724.6	196.1	724.6/196.1>GPEtn:36:3p, 36:4e	25	-145	-10	-63	-6
141	140	726.6	196.1	726.6/196.1>GPEtn:36:2p, 36:3e	25	-145	-10	-63	-6
142	141	728.6	196.1	728.6/196.1>GPEtn:36:1p, 36:2e	25	-170	-10	-63	-21
143	142	738.8	196.1	738.8/196.1>GPEtn:20:4/16:0	25	-100	-10	-50	-5
144	143	740.8	196.1	740.8/196.1>GPEtn:18:2/18:1	25	-80	-10	-50	-14
145	144	742.8	196.1	742.8/196.1>GPEtn:18:1/18:1	25	-120	-10	-50	-10
146	145	744.6	196.1	744.6/196.1>GPEtn:18:0/18:1	25	-185	-10	-50	-9
147	146	746.8	196.1	746.8/196.1>GPEtn:18:0/18:0	25	-60	-10	-40	-10
148	147	748.6	196.1	748.6/196.1>GPEtn:38:5p, 38:6e	25	-170	-10	-63	-6
149	148	750.6	196.1	750.6/196.1>GPEtn:38:4p, 38:5e	25	-175	-10	-63	-6
150	149	752.6	196.1	752.6/196.1>GPEtn:38:3p, 38:4e	25	-175	-10	-63	-6
151	150	754.6	196.1	754.6/196.1>GPEtn:38:2p, 38:3e	25	-170	-10	-60	-6
152	151	756.6	196.1	756.6/196.1>GPEtn:38:1p, 38:2e	25	-145	-10	-63	-18
153	152	762.8	196.1	762.8/196.1>GPEtn:20:4/18:2	25	-100	-10	-50	-10
154	153	764.8	196.1	764.8/196.1>GPEtn:20:4/18:1	25	-110	-10	-50	-8
155	154	766.8	196.1	766.8/196.1>GPEtn:20:4/18:0	25	-140	-10	-60	-6
156	155	768.8	196.1	768.8/196.1>GPEtn:20:3/18:0	25	-120	-10	-60	-10
157	156	770.6	196.1	770.6/196.1>GPEtn:20:2/18:0	25	-175	-10	-63	-6
158	157	772.6	196.1	772.6/196.1>GPEtn:20:1/18:0	25	-145	-10	-60	-6
159	158	776.6	196.1	776.6/196.1>GPEtn:40:5p, 40:6e	25	-170	-10	-63	-21
160	159	778.6	196.1	778.6/196.1>GPEtn:40:4p, 40:5e	25	-170	-10	-63	-18
161	160	780.6	196.1	780.6/196.1>GPEtn:40:3p, 40:4e	25	-170	-10	-66	-6
162	161	784.6	196.1	784.6/196.1>GPEtn:40:1p, 40:2e	25	-170	-10	-60	-21
163	162	788.8	196.1	788.8/196.1>GPEtn:22:4/18:3	25	-70	-10	-50	-6
164	163	790.8	196.1	790.8/196.1>GPEtn:22:4/18:2	25	-110	-10	-50	-10
165	164	792.6	196.1	792.6/196.1>GPEtn:40:5a	25	-145	-10	-63	-21
166	165	794.6	196.1	794.6/196.1>GPEtn:40:4a	25	-175	-10	-60	-21
167	166	796.8	196.1	796.8/196.1>GPEtn:40:3a	25	-145	-10	-63	-6
168	167	798.6	196.1	798.6/196.1>GPEtn:40:2a	25	-170	-10	-63	-18
169	168	569.4	241.1	569.4/241.1>GPIns:Lyso 16:1	25	-120	-10	-47.5	-5
170	169	571.3	241.1	571.3/241.1>GPIns:Lyso 16:0	25	-120	-10	-47.5	-5
171	170	595.4	241.1	595.4/241.1>GPIns:Lyso 18:2	25	-140	-10	-47.5	-5
172	171	597.4	241.1	597.4/241.1>GPIns:Lyso 18:1	25	-140	-10	-47.5	-5
173	172	599.4	241.1	599.4/241.1>GPIns:Lyso 18:0	25	-140	-10	-47.5	-5
174	173	619.5	241.1	619.5/241.1>GPIns:Lyso 20:4	25	-140	-10	-47.5	-5
175	174	621.5	241.1	621.5/241.1>GPIns:Lyso 20:3	25	-140	-10	-47.5	-5
176	175	623.5	241.1	623.5/241.1>GPIns:Lyso 20:2	25	-140	-10	-47.5	-5
177	176	625.5	241.1	625.5/241.1>GPIns:Lyso 20:1	25	-140	-10	-47.5	-5
178	177	627.5	241.1	627.5/241.1>GPIns:Lyso 20:0	25	-140	-10	-47	-5
179	178	679.5	241.1	679.5/241.1>GPIns:Lyso 24:2	25	-120	-10	-50	-5
180	179	835.7	241.1	835.7/241.1>GPIns:34:1	25	-175	-10	-60	-5

	A	B	C	D	E	F	G	H	I
181	180	857.7	241.1	857.7/241.1>GPIns:36:4	25	-180	-10	-60	-5
182	181	859.8	241.1	859.8/241.1>GPIns:36:3	25	-180	-10	-60	-5
183	182	861.8	241.1	861.8/241.1>GPIns:36:2	25	-180	-10	-60	-5
184	183	863.8	241.1	863.7/241.1>GPIns:36:1	25	-180	-10	-60	-5
185	184	865.8	241.1	865.8/241.1>GPIns:36:0	25	-100	-10	-65	-9
186	185	873.8	241.1	873.8/241.1>GPIns:37:3	25	-180	-10	-60	-5
187	186	883.8	241.1	883.8/241.1>GPIns:38:5	25	-180	-10	-60	-5
188	187	885.8	241.1	885.8/241.1>GPIns:38:4	25	-180	-10	-60	-5
189	188	887.8	241.1	887.8/241.1>GPIns:38:3	25	-180	-10	-60	-5
190	189	889.8	241.1	889.8/241.1>GPIns:38:2	25	-100	-10	-70	-6
191	190	891.8	241.1	891.8/241.1>GPIns:38:1	25	-100	-10	-75	-9
192	191	893.8	241.1	893.8/241.1>GPIns:38:0	25	-100	-10	-75	-9
193	192	909.8	241.1	909.8/241.1>GPIns:40:6	25	-180	-10	-62.5	-5
194	193	911.8	241.1	911.8/241.1>GPIns:40:5	25	-180	-10	-62.5	-5
195	194	913.8	241.1	913.8/241.1>GPIns:40:4	25	-180	-10	-62.5	-5
196	195	915.8	241.1	915.8/241.1>GPIns:40:3	25	-180	-10	-62.5	-5
197	196	917.8	241.1	917.8/241.1>GPIns:40:2	25	-145	-10	-65	-6
198	197	919.8	241.1	919.8/241.1>GPIns:40:1	25	-100	-10	-75	-9
199	198	963.9	241.1	963.9/241.1>GPInsP: 38:5	25	-165	-10	-62.5	-5
200	199	963.9	321.1	963.9/321.1>GPInsP: 38:5	25	-150	-10	-55	-5
201	200	965.9	241.1	965.9/241.1>GPInsP: 38:4	25	-165	-10	-62.5	-5
202	201	965.9	321.1	965.9/321.1>GPInsP: 38:4	25	-150	-10	-55	-5
203	202	967.9	241.1	967.9/241.1>GPInsP: 38:3	25	-195	-10	-62.5	-5
204	203	967.9	321.1	967.9/321.1>GPInsP: 38:3	25	-150	-10	-55	-5
205	204	1045.9	241.1	1045.9/241.1>GPInsP2: 38:4	25	-150	-10	-75	-5
206	205	1045.9	321.1	1045.9/321.1>GPInsP2: 38:4	25	-175	-10	-63	-5
207	206	1045.9	401.1	1045.9/401.1>GPInsP2: 38:4	25	-175	-10	-50	-5
208	207	1047.9	321.1	1047.9/321.1>GPInsP2: 38:3	25	-175	-10	-63	-5
209	208	1047.9	401.1	1047.9/401.1>GPInsP2: 38:3	25	-175	-10	-52.5	-5
210	209	1047.9	241.1	1047.9/241.1>GPInsP2: 38:3	25	-175	-10	-75	-5
211	210	1125.9	241.1	1125.9/241.1>GPInsP3: 38:4	25	-150	-10	-75	-5
212	211	1125.9	321.1	1125.9/321.1>GPInsP3: 38:4	25	-150	-10	-75	-5
213	212	1125.9	401.1	1125.9/401.1>GPInsP3: 38:4	25	-150	-10	-75	-5
214	213	1125.9	481.1	1125.9/481.1>GPInsP3: 38:4	25	-150	-10	-75	-5
215	214	835.8	281.1	835.7/281.1>GPIns:34:1	25	-130	-10	-60	-5
216	215	821.8	241.1	821.8/241.1>GPIns: 34:1	25	-175	-10	-65	-5
217	216	494.4	184.1	494.4/184.1>GPCho:Lyso 16:1	25	110	10	30	10
218	217	496.4	184.1	496.4/184.1>GPCho:Lyso 16:0	25	110	10	40	35
219	218	520.4	184.1	520.4/184.1>GPCho:Lyso 18:2	25	110	10	30	15
220	219	522.4	184.1	522.4/184.1>GPCho:Lyso 18:1	25	110	10	40	10
221	220	524.4	184.1	524.4/184.1>GPCho:Lyso 18:0	25	110	10	40	35
222	221	544.4	184.1	544.4/184.1>GPCho:Lyso 20:4	25	100	10	30	10
223	222	568.4	184.1	568.4/184.1>GPCho:Lyso 22:6	25	110	10	30	35
224	223	570.4	184.1	570.4/184.1>GPCho:Lyso 22:5	25	110	10	40	30
225	224	678.5	184.1	678.5/184.1>GPCho:28:0	25	130	10	38	32
226	225	678.5	184.1	678.5/184.1>GPCho:28:0a	25	100	10	46	30
227	226	704.6	184.1	704.6/184.1>GPCho:30:1a	25	100	10	48	20
228	227	706.6	184.1	706.6/184.1>GPCho:30:0a	25	110	10	46	30
229	228	718.6	184.1	718.6/184.1>GPCho:32:0p, 32:1e	25	130	10	38	32
230	229	730.8	184.1	730.8/184.1>GPCho:32:2	25	110	10	40	35
231	230	732.6	184.1	732.6/184.1>GPCho:32:1a	25	120	10	48	15
232	231	734.6	184.1	734.6/184.1>GPCho:32:0a	25	120	10	46	15
233	232	742.6	184.1	742.6/184.1>GPCho:34:2p, 34:3e	25	140	10	46	32
234	233	744.6	184.1	744.6/184.1>GPCho:34:1p, 34:2e	25	130	10	38	32
235	234	746.6	184.1	746.6/184.1>GPCho:34:0p, 34:1e	25	120	10	46	32
236	235	748.6	184.1	748.6/184.1>GPCho:34:0e	25	120	10	46	32
237	236	756.6	184.1	756.6/184.1>GPCho:34:3a	25	120	10	46	20
238	237	758.7	184.1	758.7/184.1>GPCho:34:2a	25	120	10	46	15
239	238	760.6	184.1	760.6/184.1>GPCho:34:1a	25	120	10	46	15
240	239	762.6	184.1	762.6/184.1>GPCho:34:0a	25	100	10	46	15

	A	B	C	D	E	F	G	H	I
241	240	768.6	184.1	768.6/184.1>GPCho:36:3p, 36:4e	25	120	10	46	30
242	241	770.6	184.1	770.6/184.1>GPCho:36:2p, 36:3e	25	120	10	46	30
243	242	772.6	184.1	772.6/184.1>GPCho:36:1p, 36:2e	25	120	10	46	30
244	243	774.6	184.1	774.6/184.1>GPCho:36:0p, 36:1e	25	120	10	46	30
245	244	782.6	184.1	782.6/184.1>GPCho:36:4a	25	90	10	46	15
246	245	784.6	184.1	784.6/184.1>GPCho:36:3a	25	90	10	46	15
247	246	786.6	184.1	786.6/184.1>GPCho:36:2a	25	90	10	46	15
248	247	788.6	184.1	788.6/184.1>GPCho:36:1a	25	100	10	46	15
249	248	790.8	184.1	790.8/184.1>GPCho:36:0	25	100	10	40	35
250	249	792.6	184.1	792.6/184.1>GPCho:38:5p, 38:6e	25	120	10	46	30
251	250	794.6	184.1	794.6/184.1>GPCho:38:4p, 38:5e	25	120	10	46	30
252	251	796.6	184.1	796.6/184.1>GPCho:38:3p, 38:4e	25	120	10	46	30
253	252	798.6	184.1	798.6/184.1>GPCho:38:2p, 38:3e	25	120	10	46	30
254	253	800.6	184.1	800.6/184.1>GPCho:38:1p, 38:2e	25	120	10	46	30
255	254	808.6	184.1	808.6/184.1>GPCho:38:5a	25	100	10	46	15
256	255	810.6	184.1	810.6/184.1>GPCho:38:4a	25	100	10	46	15
257	256	812.6	184.1	812.6/184.1>GPCho:38:3a	25	110	10	46	15
258	257	814.6	184.1	814.6/184.1>GPCho:38:2a	25	110	10	46	15
259	258	816.6	184.1	816.6/184.1>GPCho:38:1a	25	110	10	46	15
260	259	820.6	184.1	820.6/184.1>GPCho:40:5p, 40:6e	25	120	10	46	30
261	260	822.6	184.1	822.6/184.1>GPCho:40:4p, 40:5e	25	120	10	46	30
262	261	824.6	184.1	824.6/184.1>GPCho:40:3p, 40:4e	25	130	10	46	30
263	262	826.6	184.1	826.6/184.1>GPCho:40:2p, 40:3e	25	130	10	46	30
264	263	828.6	184.1	828.6/184.1>GPCho:40:1p, 40:2e	25	130	10	50	30
265	264	834.8	184.1	834.6/184.1>GPCho:40:6a	25	110	10	50	10
266	265	836.6	184.1	836.6/184.1>GPCho:40:5a	25	110	10	44	15
267	266	838.6	184.1	838.6/184.1>GPCho:40:4a	25	110	10	46	15
268	267	701.5	184.1	701.5/184.1>SM:18/16:1	25	110	10	44	15
269	268	703.5	184.1	703.5/184.1>SM:18/16:0	25	120	10	44	15
270	269	703.8	184.1	703.8/184.4>SM:d18:1/16:0	25	110	10	40	35
271	270	705.8	184.1	705.8/184.4>SM: d18:0 / 16:0	25	90	10	40	15
272	271	727.6	184.1	727.6/184.1>SM:18/18:2	25	120	10	40	32
273	272	729.6	184.1	729.6/184.1>SM:18/18:1	25	120	10	44	10
274	273	731.6	184.1	731.6/184.1>SM:18/18:0	25	110	10	46	15
275	274	731.8	184.1	731.8/184.4>SM: d18:1 / 18:0	25	110	10	40	35
276	275	733.8	184.1	733.8/184.4>SM: d18:0 / 18:0	25	110	10	40	35
277	276	757.6	184.1	757.6/184.1>SM:18/20:1	25	110	10	46	46
278	277	759.6	184.1	759.6/184.1>SM:18/20:0	25	110	10	42	34
279	278	759.8	184.1	759.8/184.4>SM: d18:1 / 20:0	25	90	10	40	30
280	279	761.8	184.1	761.8/184.4>SM: d18:0 / 20:0	25	90	10	40	10
281	280	773.6	184.1	773.6/184.1>SM:18/21:0	25	110	10	44	34
282	281	787.6	184.1	787.6/184.1>SM:18/22:0	25	110	10	42	10
283	282	787.9	184.1	787.9/184.4>SM: d18:1 / 22:0	25	90	10	40	15
284	283	789.9	184.1	789.9/184.4>SM: d18:0 / 22:0	25	90	10	40	20
285	284	813.6	184.1	813.6/184.1>SM:18/24:1	25	110	10	42	10
286	285	813.9	184.1	813.9/184.4>SM: d18:1 / 24:1	25	100	10	40	15
287	286	815.6	184.1	815.6/184.1>SM:18/24:0	25	150	10	44	34
288	287	815.9	184.1	815.9/184.4>SM: d18:0 / 24:1	25	50	10	40	35
289	288	817.9	184.1	817.9/184.4>SM: d18:0 / 24:0	25	30	10	50	10
290	289	841.9	184.1	841.9/184.4>SM: d18:1 / 26:1	25	50	10	50	15
291	290	843.9	184.1	843.9/184.4>SM: d18:0 / 26:1	25	50	10	50	15
292	291	843.9	184.1	843.9/184.4>SM: d18:1 / 26:0	25	50	10	50	15
293	292	845.9	184.1	845.9/184.4>SM: d18:0 / 26:0	25	30	10	50	30
294	293	538.7	264.4	538.7/264.4>Cer: d18:1 / 16:0	25	100	10	40	25
295	294	540.7	266.4	540.7/266.4>Cer: d18:0 / 16:0	25	40	10	40	15
296	295	566.7	264.4	566.7/264.4>Cer: d18:1 / 18:0	25	90	10	40	20
297	296	568.7	266.4	568.7/266.4>Cer: d18:0 / 18:0	25	70	10	50	25
298	297	594.7	264.4	594.7/264.4>Cer: d18:1 / 20:0	25	100	10	40	15
299	298	596.7	266.4	596.7/266.4>Cer: d18:0 / 20:0	25	50	10	20	15
300	299	622.8	264.4	622.8/264.4>Cer: d18:1 / 22:0	25	110	10	30	10

	A	B	C	D	E	F	G	H	I
301	300	624.8	266.4	624.8/266.4>Cer: d18:0 / 22:0	25	90	10	20	15
302	301	648.9	264.4	648.9/264.4>Cer: d18:1 / 24:1	25	110	10	50	15
303	302	650.9	266.4	650.9/266.4>Cer: d18:0 / 24:1	25	70	10	40	10
304	303	650.9	264.4	650.9/264.4>Cer: d18:1 / 24:0	25	60	10	40	10
305	304	652.9	266.4	652.9/266.4>Cer: d18:0 / 24:0	25	40	10	50	30
306	305	676.9	264.4	676.9/264.4>Cer: d18:1 / 26:1	25	110	10	30	35
307	306	678.9	266.4	678.9/266.4>Cer: d18:0 / 26:1	25	110	10	60	10
308	307	678.9	264.4	678.9/264.4>Cer: d18:1 / 26:0	25	20	10	20	25
309	308	680.9	266.4	680.9/266.4>Cer: d18:0 / 26:0	25	60	10	20	15
310	309	862.7	264.4	700.7/264.4>MonoHexCer: d18:1 / 16:0	25	110	10	70	15
311	310	864.7	266.4	702.7/266.4>MonoHexCer: d18:0 / 16:0	25	80	10	40	15
312	311	890.7	264.4	728.7/264.4>MonoHexCer: d18:1 / 18:0	25	100	10	50	15
313	312	892.7	266.4	730.7/266.4>MonoHexCer: d18:0 / 18:0	25	20	10	30	15
314	313	918.7	264.4	756.7/264.4>MonoHexCer: d18:1 / 20:0	25	100	10	60	25
315	314	920.7	266.4	758.7/266.4>MonoHexCer: d18:0 / 20:0	25	40	10	20	10
316	315	946.8	264.4	784.8/264.4>MonoHexCer: d18:1 / 22:0	25	70	10	80	25
317	316	948.8	266.4	786.8/266.4>MonoHexCer: d18:0 / 22:0	25	60	10	50	10
318	317	972.9	264.4	810.9/264.4>MonoHexCer: d18:1 / 24:1	25	40	10	80	20
319	318	974.9	266.4	812.9/266.4>MonoHexCer: d18:0 / 24:1	25	40	10	50	30
320	319	974.9	264.4	812.9/264.4>MonoHexCer: d18:1 / 24:0	25	110	10	60	30
321	320	976.9	266.4	814.9/266.4>MonoHexCer: d18:0 / 24:0	25	60	10	70	15
322	321	1000.9	264.4	838.9/264.4>MonoHexCer: d18:1 / 26:1	25	80	10	100	15
323	322	1002.9	266.4	840.9/266.4>MonoHexCer: d18:0 / 26:1	25	30	10	80	20
324	323	1002.9	264.4	840.9/264.4>MonoHexCer: d18:1 / 26:0	25	20	10	70	15
325	324	1004.9	266.4	842.9/266.4>MonoHexCer: d18:0 / 26:0	25	20	10	40	25
326	325	700.7	264.4	862.7/264.4>DiHexCer: d18:1 / 16:0	25	90	10	70	10
327	326	702.7	266.4	864.7/266.4>DiHexCer: d18:0 / 16:0	25	60	10	40	40
328	327	728.7	264.4	890.7/264.4>DiHexCer: d18:1 / 18:0	25	110	10	50	15
329	328	730.7	266.4	892.7/266.4>DiHexCer: d18:0 / 18:0	25	110	10	60	15
330	329	756.7	264.4	918.7/264.4>DiHexCer: d18:1 / 20:0	25	110	10	50	25
331	330	758.7	266.4	920.7/266.4>DiHexCer: d18:0 / 20:0	25	60	10	60	20
332	331	784.8	264.4	946.8/264.4>DiHexCer: d18:1 / 22:0	25	110	10	50	15
333	332	786.8	266.4	948.8/266.4>DiHexCer: d18:0 / 22:0	25	110	10	30	25
334	333	810.9	264.4	972.9/264.4>DiHexCer: d18:1 / 24:1	25	110	10	50	10
335	334	812.9	266.4	974.9/266.4>DiHexCer: d18:0 / 24:1	25	110	10	50	15
336	335	812.9	264.4	974.9/264.4>DiHexCer: d18:1 / 24:0	25	100	10	70	15
337	336	814.9	266.4	976.9/266.4>DiHexCer: d18:0 / 24:0	25	110	10	50	20
338	337	838.9	264.4	1000.9/264.4>DiHexCer: d18:1 / 26:1	25	110	10	70	10
339	338	840.9	266.4	1002.9/266.4>DiHexCer: d18:0 / 26:1	25	80	10	50	40
340	339	840.9	264.4	1002.9/264.4>DiHexCer: d18:1 / 26:0	25	90	10	60	10
341	340	842.9	266.4	1004.9/266.4>DiHexCer: d18:0 / 26:0	25	100	10	50	15

Appendix B1

PCA Transformation Matrix (340 x 340; Normal/Diseased)

	A	B	C	D	E	F	G	H	I	J	K
1	409.4/255.3>GPA:Lyso 16:0	-0.072048	-0.00426	-0.042817	0.032854	0.11006	-0.10195	0.076834	0.028175	-0.019868	-0.017638
2	433.4/279.3>GPA:Lyso 18:2	-0.035066	-0.063365	-0.017437	0.044861	0.064352	-0.167764	0.013261	-0.000074	0.010433	-0.013335
3	435.4/281.3>GPA:Lyso 18:1	-0.056634	-0.044772	-0.039474	0.045356	0.080659	-0.117163	0.056561	0.001126	-0.008704	-0.022679
4	437.4/283.3>GPA:Lyso 18:0	-0.007636	0.039643	0.042319	-0.00977	0.108663	-0.037898	0.086333	0.075763	-0.08075	0.036092
5	451.4/283.3>GPA:Lyso 18:0	-0.014777	-0.031643	0.0065	-0.019739	0.044187	-0.010991	0.051433	0.106384	0.031394	-0.007591
6	459.6/305.5>GPA:Lyso 20:3	-0.040964	-0.039208	-0.028496	0.04662	0.040847	-0.114979	0.057059	-0.071661	0.002444	-0.111178
7	461.6/307.5>GPA:Lyso 20:2	-0.028006	-0.075177	-0.025667	0.039713	0.049349	-0.103468	0.051128	0.042746	0.029812	-0.01215
8	463.7/309.5>GPA:Lyso 20:1	-0.031997	0.009277	0.026591	0.013594	0.040224	-0.090638	0.071173	0.017222	-0.037193	0.06109
9	465.7/311.5>GPA:Lyso 20:0	-0.016862	0.047787	0.051026	-0.050398	0.07988	-0.010457	0.06937	0.053529	-0.076138	0.022603
10	481.4/327.3>GPA:Lyso 22:6	-0.032556	-0.042662	-0.061918	0.046493	0.100567	-0.088525	-0.01486	-0.057974	0.035431	-0.033435
11	483.4/329.3>GPA:Lyso 22:5	-0.030836	-0.018643	0.004653	-0.001132	0.063362	-0.043828	0.04747	-0.053662	0.049149	-0.102141
12	641.8/251.3>GPA:16:1/16:2	-0.018894	-0.018285	0.027543	-0.008563	0.00197	0.016319	-0.028362	0.131618	0.026615	0.059507
13	643.8/253.3>GPA:16:1/16:1	-0.006985	0.015067	0.03653	0.030993	0.005512	0.031601	-0.1831	0.102	-0.133189	-0.125881
14	645.8/255.3>GPA:16:1/16:0	-0.013851	0.015549	0.042855	0.022986	0.006604	0.023559	-0.170191	0.09903	-0.143931	-0.128949
15	647.8/255.3>GPA:16:0/16:0	-0.078796	-0.026833	0.076326	0.087226	0.0783	0.008389	-0.009498	0.000587	-0.020026	-0.061646
16	667.8/279.3>GPA:34:4	0.020465	-0.040376	0.031941	-0.032974	0.030055	-0.032117	0.021582	0.003465	-0.042322	0.089702
17	669.8/279.3>GPA:34:3	-0.045384	-0.042213	0.040502	-0.01318	0.018932	-0.107806	-0.043028	0.140045	-0.002021	-0.070259
18	669.8/281.3>GPA:34:4	-0.04093	0.019534	0.005895	-0.056502	0.063352	-0.037127	-0.034122	0.004551	-0.072166	-0.061272
19	671.8/279.3>GPA:18:2/16:0	-0.030903	-0.048813	0.035857	0.006967	0.106489	-0.099477	-0.027117	0.032328	0.028677	0.005248
20	673.8/281.3>GPA:18:1/16:0	-0.042018	-0.014759	0.141125	0.094768	0.016068	0.068523	-0.02725	-0.028771	-0.002549	-0.04011
21	695.8/279.3>GPA:36:4	-0.029587	-0.05738	0.011446	0.05299	0.055959	-0.145795	-0.009879	0.030282	0.031484	0.005711
22	695.8/303.3>GPA:36:4	-0.044102	-0.032315	0.058107	0.061533	0.130896	-0.002599	0.012977	-0.057517	0.036618	-0.016201
23	697.8/281.3>GPA:20:3/16:0	-0.046553	-0.047398	0.06244	0.062472	0.075453	0.00999	0.05207	-0.012027	0.019326	0.002573
24	697.8/305.3>GPA:18:1/18:2	-0.051341	-0.035914	0.066744	0.088874	0.034627	-0.079357	-0.008776	0.030632	0.013063	-0.043943
25	699.8/279.3>GPA:36:2	-0.046837	-0.043293	0.080797	0.094328	0.020705	-0.102537	-0.037823	0.010853	0.023238	-0.035109
26	699.8/281.3>GPA:36:2	-0.041674	-0.013144	0.137412	0.100488	0.008	0.074817	-0.004032	-0.0381	0.014054	-0.02506
27	701.8/283.3>GPA:36:1	-0.035301	-0.018798	0.145537	0.090519	0.013822	0.070913	0.010423	-0.055618	0.028019	-0.001949
28	703.8/283.3>GPA:36:0	-0.058367	0.006176	0.133949	0.078737	0.046965	0.030314	0.046898	-0.010892	-0.000127	-0.004419
29	721.8/255.3>GPA:18:1/20:4	-0.031432	-0.013205	0.117323	0.095899	0.048707	0.049778	-0.003407	-0.051558	0.047363	0.012026
30	721.8/281.3>GPA:16:0/22:5	-0.083459	0.077787	-0.008305	0.015057	0.068843	-0.022017	0.052255	0.074823	-0.016714	-0.006306
31	723.8/283.3>GPA:18:0/20:4	-0.034992	-0.022993	0.134417	0.097264	0.027253	0.079735	0.030017	-0.057089	0.011353	0.002234
32	725.8/305.3>GPA:20:3/18:0	-0.024214	-0.016708	0.109811	0.104044	0.01268	0.0471	0.042216	-0.077556	0.006282	-0.034525
33	729.8/281.3>GPA:38:1	-0.044266	-0.038759	0.144747	0.064692	0.024636	0.048153	0.002724	-0.037949	0.043655	-0.005229
34	731.8/283.3>GPA:38:0	-0.072558	0.021902	0.111198	0.070193	0.057878	0.013149	0.042976	0.012444	0.012906	-0.013929
35	751.8/303.3>GPA:40:4	0.029108	-0.100203	-0.018158	0.066195	0.015395	-0.03893	-0.044088	-0.034808	0.059295	-0.030363
36	757.8/281.3>GPA:40:1	-0.067035	-0.005102	0.092001	0.104874	-0.017357	0.06364	-0.004605	-0.041369	0.058509	0.035826
37	759.8/283.3>GPA:40:0	-0.056072	-0.014748	0.145774	0.054636	0.023937	0.058516	0.021256	-0.057024	0.024774	-0.015399
38	777.8/329.3>GPA:42:5	-0.017068	-0.031383	0.01114	-0.06618	0.050245	0.01312	0.008846	0.12386	0.04076	0.06802
39	481.4/253.3>GPGro:Lyso 16:1	-0.006328	0.031149	0.010807	-0.006771	0.099684	0.025747	0.073188	0.140166	0.046495	-0.030191
40	483.4/255.3>GPGro:Lyso 16:0	-0.062602	0.056927	-0.008244	-0.006527	0.12617	-0.024633	0.016792	0.091883	-0.00645	-0.036505
41	507.4/279.3>GPGro:Lyso 18:2	-0.045115	0.023544	0.017782	0.004673	0.13152	-0.071835	-0.004508	0.112547	-0.006728	-0.034255

	A	B	C	D	E	F	G	H	I	J	K
42	509.4/281.3>GPGro:Lyso 18:1	-0.005933	0.027512	0.009493	-0.019978	0.142959	0.02059	0.060694	0.113534	-0.010712	-0.001268
43	511.4/283.3>GPGro:Lyso 18:0	-0.050559	0.073625	0.005206	-0.001329	0.12234	-0.028941	-0.001017	0.101562	-0.015504	-0.021383
44	531.4/303.3>GPGro:Lyso 20:4	-0.047362	0.016571	-0.018802	0.018383	0.148728	-0.03682	0.005132	0.082104	-0.010457	-0.071225
45	555.4/327.3>GPGro:Lyso 22:6	-0.040023	0.039512	-0.023899	0.016492	0.149232	-0.025101	-0.018469	0.080289	0.015222	-0.045335
46	557.4/329.3>GPGro:Lyso 22:5	-0.025829	-0.020292	0.000241	-0.031275	0.141847	-0.026567	0.001778	0.092404	0.02818	-0.061269
47	717.8/253.3>GPGro:16:1/16:1	-0.000654	0.014484	-0.032278	-0.004807	-0.070578	0.070598	0.128263	0.052209	-0.034951	-0.059516
48	719.8/253.3>GPGro:16:1/16:0	0.014846	0.003175	0.029676	-0.055977	0.03487	0.026441	0.046469	0.092587	0.003845	-0.029125
49	721.8/255.3>GPGro:16:0/16:0	-0.080404	0.083246	-0.002502	0.011387	0.068352	-0.015719	0.041856	0.069736	-0.021758	0.005238
50	743.8/279.3>GPGro:18:2/16:1	0.0135	-0.062557	-0.01304	0.003635	-0.141312	0.006201	-0.127467	0.002668	0.041183	0.086041
51	743.8/281.3>GPGro:18:1/16:2	-0.017369	0.003937	-0.070473	0.01125	-0.103353	0.122419	0.045984	0.022047	-0.002012	0.007082
52	745.8/279.3>GPGro:18:2/16:0	0.012958	-0.075541	0.006287	-0.041602	-0.105064	-0.020611	-0.096897	0.043658	0.012639	0.105664
53	745.8/281.3>GPGro:18:1/16:1	-0.039102	0.005956	-0.063638	-0.018985	-0.1008	0.131175	0.050665	-0.004927	-0.024995	0.004489
54	747.8/255.2>GPGro:16:0/18:1	0.033447	-0.000271	0.03495	-0.092079	0.080812	0.070351	0.034117	0.098083	-0.020404	0.014955
55	747.8/281.1>GPGro:16:0/18:1	-0.069905	0.012017	0.015325	0.120809	-0.063035	0.09377	0.048	-0.037284	0.019033	-0.006716
56	749.8/283.3>GPGro:18:0/16:0	-0.079133	0.081272	0.00082	0.02911	0.062013	-0.021802	0.027031	0.078356	-0.011267	-0.006412
57	767.8/303.3>GPGro:20:4/16:1	0.039919	-0.068997	-0.095523	0.025044	0.00639	0.114072	-0.006409	-0.036782	0.030542	-0.046847
58	769.8/279.3>GPGro:18:2/18:2	0.034698	-0.089669	0.079869	-0.091858	-0.02705	-0.058792	-0.034443	0.0069	0.019054	0.039114
59	769.8/303.3>GPGro:20:4/16:0	0.006939	-0.007337	-0.041069	0.001942	0.080456	0.061192	-0.020512	0.052507	-0.015516	-0.082748
60	771.8/279.3>GPGro:18:2/18:1	0.002321	-0.000637	-0.022628	0.090368	-0.154851	-0.093067	-0.029226	0.007314	0.068513	0.001382
61	773.8/279.3>GPGro:18:2/18:0	0.000927	0.064628	0.016967	0.052291	-0.028682	-0.096806	-0.043261	0.115162	0.021763	-0.023944
62	773.8/281.3>GPGro:18:1/18:1	-0.002697	0.031536	-0.020133	0.060371	-0.14239	-0.015576	0.090716	0.013327	0.034414	-0.088125
63	775.8/281.3>GPGro:18:1/18:0	-0.001489	0.092452	0.004829	0.012319	0.073068	0.013265	0.051684	0.137948	-0.017206	-0.051696
64	777.8/283.3>GPGro:18:0/18:0	-0.076657	0.081993	0.001231	0.007741	0.061194	-0.052025	0.036218	0.074135	-0.005007	-0.021732
65	795.8/303.3>GPGro:20:4/18:1	0.02702	-0.030317	-0.106782	0.080204	-0.028822	0.045545	0.012571	-0.052531	0.059074	-0.095318
66	797.8/303.3>GPGro:20:4/18:0	-0.009555	0.075174	-0.048702	0.030159	0.076649	0.020224	-0.023096	0.049547	0.016446	-0.080781
67	821.8/327.3>GPGro:22:6/18:0	-0.028807	0.055138	-0.047943	0.051074	0.090474	0.011932	-0.047748	0.070696	0.023616	-0.055811
68	823.8/329.3>GPGro:22:5/18:0	0.009526	0.006435	-0.053366	0.028832	0.043851	0.007737	0.02513	0.120132	0.067802	-0.041528
69	494.4/407.4>Lyso GPSer:16:1	0.000049	0.014817	0.037152	0.031196	0.000903	0.023157	-0.183694	0.090526	-0.127064	-0.132684
70	496.4/409.4>Lyso GPSer:16:0	-0.004814	0.00543	0.028388	0.021037	0.00804	0.016076	-0.179286	0.096006	-0.138443	-0.131057
71	522.4/435.4>Lyso GPSer:18:1	-0.01304	-0.043484	0.10159	0.043191	0.047226	0.012822	-0.042011	0.035479	-0.119045	-0.016916
72	524.4/437.4>Lyso GPSer:18:0	-0.01777	-0.042641	0.083159	0.009577	0.06069	0.034225	0.056377	-0.006427	-0.104166	0.085869
73	544.4/457.4>Lyso GPSer:20:4	0.008568	-0.061429	0.032031	0.005129	0.066669	0.013468	0.053281	0.011068	-0.105376	0.084058
74	570.4/483.4>Lyso GPSer:22:5	-0.005001	-0.004352	0.020324	-0.0978	0.009534	-0.02483	-0.025859	-0.0738	0.028667	-0.040622
75	732.6/645.6>GPSer:32:1	-0.000439	0.009614	0.024004	0.020919	-0.005737	0.014723	-0.180819	0.09509	-0.142745	-0.137964
76	734.6/647.6>GPSer:32:0	-0.00608	0.010809	0.034288	0.007887	-0.005112	0.015209	-0.180693	0.073524	-0.140271	-0.146728
77	758.6/671.6>GPSer:34:2	0.000058	0.009638	0.024682	0.018762	-0.004496	0.01207	-0.180449	0.094075	-0.140151	-0.140682
78	760.8/673.8>GPSer:34:1	-0.002675	0.00556	0.036222	0.02747	-0.00346	0.017938	-0.176431	0.090776	-0.141822	-0.135727
79	762.8/675.7>GPSer:34:0	-0.008781	0.003733	0.050263	0.037335	-0.004251	0.024468	-0.174471	0.08142	-0.131958	-0.131867
80	782.6/695.7>GPSer:36:4	0.00425	0.071616	0.04252	-0.029177	0.088303	0.033698	-0.078262	0.007625	0.037573	0.019662
81	784.8/697.8>GPSer:36:3	-0.019557	0.021253	0.057839	-0.046898	0.023293	0.040394	-0.154778	0.005337	-0.124088	-0.084616
82	786.8/699.8>GPSer:36:2	-0.029408	-0.025441	0.156417	0.077729	0.0199	0.077282	-0.022644	-0.037844	-0.016949	-0.010934

	A	B	C	D	E	F	G	H	I	J	K
83	788.8/701.8>GPSer:36:1	-0.030415	-0.025361	0.150756	0.084855	0.018391	0.075114	0.013387	-0.055445	0.014724	0.010498
84	790.8/703.8>GPSer:36:0	-0.030812	-0.023955	0.151004	0.083767	0.016616	0.073743	0.013593	-0.054289	0.018944	0.008232
85	808.6/721.6>GPSer:38:6	-0.006996	-0.031401	0.11142	0.03233	0.055308	0.067292	0.017047	-0.025176	-0.067823	0.108184
86	810.8/723.8>GPSer:38:5	0.006949	-0.055014	0.085629	0.012147	0.044979	0.060737	0.040245	-0.001881	-0.08929	0.074801
87	812.8/725.8>GPSer:38:4	-0.011925	-0.043198	0.128979	0.062148	0.041145	0.075043	0.035252	-0.033593	-0.069918	0.043247
88	814.6/727.6>GPSer:38:3	-0.030825	-0.021601	0.14978	0.085769	0.017812	0.075953	0.009236	-0.052936	0.023835	0.0114
89	816.8/729.8>GPSer:38:2	-0.032739	-0.020884	0.14663	0.087955	0.013918	0.070745	0.010691	-0.058008	0.03013	0.002499
90	818.8/731.8>GPSer:38:1	-0.032027	-0.021361	0.148534	0.087334	0.014522	0.073663	0.011111	-0.05422	0.022039	0.00655
91	834.8/747.8>GPSer:40:6	-0.030983	-0.022803	0.147046	0.087386	0.021459	0.079891	0.005607	-0.052271	0.02514	0.00202
92	836.8/749.8>GPSer:40:5	-0.020804	-0.03098	0.1455	0.073666	0.024054	0.083049	-0.014721	-0.042746	-0.028188	0.007707
93	838.8/751.8>GPSer:40:4	-0.022716	-0.029096	0.149962	0.081871	0.027795	0.082107	0.019323	-0.046832	-0.008881	0.030267
94	840.6/753.7>GPSer:40:3	-0.029738	-0.005052	0.152755	0.062969	0.033917	0.076322	-0.012849	-0.073268	0.010407	0.023027
95	778.9/97>Sulfatide:16:0	0.045471	-0.033572	0.037003	-0.043285	0.086475	-0.055079	-0.004432	-0.024079	-0.024299	0.105555
96	806.9/97>Sulfatide:18:0	-0.000752	0.057317	0.000734	-0.002558	0.117618	0.014159	0.025864	0.05506	0.067229	0.035917
97	822.9/97>Sulfatide:18:0 (OH)	-0.083177	-0.023484	-0.036274	-0.05474	0.033575	-0.039833	-0.041297	-0.086612	0.025132	0.030753
98	834.9/97>Sulfatide:20:0	0.025634	0.100402	0.018493	-0.064878	0.106188	0.010556	-0.058657	-0.037293	0.044779	0.027923
99	850.9/97>Sulfatide:20:0 (OH)	-0.095375	-0.030341	-0.066581	-0.017317	0.049369	0.007355	-0.0346	-0.057925	0.019875	0.047774
100	862.9/97>Sulfatide:22:1	0.048338	0.074112	0.026382	-0.087686	0.109649	0.005879	-0.042005	-0.008523	0.06073	0.018528
101	878.9/97>Sulfatide: 22:1 (OH)	0.002955	0.100778	0.001099	-0.064019	0.089612	0.010975	-0.081649	-0.04771	0.04401	0.019172
102	888.9/97>Sulfatide:24:1	0.06178	-0.023216	0.001251	-0.028247	0.090078	0.012398	0.018263	0.021812	0.05716	0.001865
103	890.9/97>Sulfatide:24:0	-0.001134	0.039156	0.0401	-0.073788	0.096307	-0.03656	-0.033818	-0.029525	0.064036	-0.003292
104	906.7/97>Sulfatide:24:0 (OH)	-0.014205	-0.023615	-0.014951	-0.073913	0.040283	-0.058827	-0.012054	-0.105587	0.091155	-0.098472
105	1147/281.3>CardioliGPInsn:52:3	-0.029334	0.068436	-0.003355	0.034644	0.019276	-0.000831	0.050523	0.069929	0.035568	0.045702
106	1376/281.3>CardioliGPInsn:66:2	-0.076882	0.017512	-0.034171	0.082927	-0.096053	-0.032497	0.069791	0.005418	0.006231	-0.030976
107	1400/281.3>CardioliGPInsn:68:4	-0.074567	0.027803	-0.031109	0.085649	-0.098903	-0.037283	0.037784	0.012112	-0.007241	-0.018101
108	1402/281.3>CardioliGPInsn:68:3	-0.061761	0.025756	-0.037895	0.076784	-0.064267	-0.029432	0.084913	0.016946	-0.000611	-0.003701
109	1404/281.3>CardioliGPInsn:68:2	-0.058221	0.034444	-0.030577	0.072839	-0.03602	0.001432	0.031539	0.022322	-0.005628	-0.023443
110	1406/281.3>CardioliGPInsn:68:1	-0.037789	0.072698	-0.040688	0.063732	-0.029739	0.020063	-0.021302	0.025604	0.011547	0.018832
111	1426/281.3>CardioliGPInsn:70:5	-0.07776	0.037283	-0.03989	0.060588	-0.039831	-0.017401	0.06773	0.046131	-0.000453	-0.054328
112	1428/281.3>CardioliGPInsn:70:4	-0.069191	0.033542	-0.037856	0.061411	-0.023848	-0.023374	0.049252	0.03872	0.020942	-0.013421
113	1430/281.3>CardioliGPInsn:70:3	-0.08108	0.021824	-0.04011	0.079181	-0.027842	-0.015171	0.033064	0.041396	0.012451	-0.023458
114	1432/281.3>CardioliGPInsn:70:2	-0.060819	0.063724	-0.003586	0.069428	-0.002404	-0.012051	0.014126	0.082187	-0.057419	-0.038153
115	1434/281.3>CardioliGPInsn:70:1	-0.083792	0.038425	0.023405	0.063987	-0.018616	0.009863	0.052634	0.019258	0.023195	-0.065075
116	1436/281.3>CardioliGPInsn:70:0	-0.066614	0.053208	-0.008323	0.080427	-0.040529	0.010286	0.040764	0.051444	-0.002256	-0.029313
117	436.6/196.1>Lyso GPEtn:Lyso16:1e/16:0p	0.0362	-0.062838	0.049836	-0.061108	0.009776	0.027269	-0.0017	0.058124	0.092863	0.040738
118	450.4/196.1>Lyso GPEtn:Lyso 16:1	0.026052	-0.044978	0.074063	-0.088943	-0.014055	-0.019264	0.118215	0.0487	-0.060785	-0.007038
119	452.4/196.1>Lyso GPEtn:Lyso 16:0	-0.043781	-0.029001	0.040912	-0.101775	0.016305	0.004454	0.104145	0.004859	-0.079682	0.01465
120	462.4/196.1>Lyso GPEtn:Lyso18:2e/18:1p	0.012105	-0.052164	0.052236	-0.095078	-0.008931	0.040637	-0.003006	0.087452	0.115408	0.01206
121	464.5/196.1>Lyso GPEtn:Lyso18:1e/18:0p	0.021988	-0.06136	0.035979	-0.057638	0.015829	0.024886	-0.035456	0.108708	0.115596	0.048147
122	476.6/196.1>Lyso GPEtn:Lyso18:2a	0.027817	-0.060143	0.077894	0.023522	-0.047482	-0.128917	0.057209	0.037167	-0.032312	0.004759
123	478.4/196.1>Lyso GPEtn:Lyso 18:1	0.020925	-0.06558	0.093202	-0.028182	-0.016784	-0.063959	0.086001	0.027869	-0.085825	0.025927

	A	B	C	D	E	F	G	H	I	J	K
124	480.4/196.1>Lyso GPEtn:Lyso 18:0	-0.046385	-0.045807	0.043919	-0.103407	0.003273	-0.025072	0.096174	0.000439	-0.103904	-0.010296
125	492.5/196.1>Lyso GPEtn:Lyso20:1e/20:0p	-0.01564	-0.0615	0.057988	-0.101428	-0.001306	0.045657	0.002574	0.049621	0.071727	-0.040329
126	500.4/196.1>Lyso GPEtn:Lyso 20:4	0.044023	-0.093147	0.038534	-0.036508	0.023962	-0.000904	0.052094	0.014343	-0.067895	0.037999
127	524.4/196.1>Lyso GPEtn:Lyso 22:6	0.048079	-0.105776	0.021777	-0.034385	0.034896	0.005497	0.049605	-0.00063	-0.039218	0.024486
128	688.6/196.1>GPEtn:16:0/16:1	-0.00783	0.032593	0.042461	-0.12784	-0.016768	0.00793	-0.001173	-0.034051	0.067449	-0.092917
129	690.7/196.1>GPEtn 16:0/16:0	-0.023304	-0.01346	0.038898	-0.082187	-0.002063	0.009512	0.020138	-0.020085	-0.011948	0.001265
130	698.6/196.1>GPEtn:34:2p, 34:3e	-0.004763	-0.020302	0.028992	-0.120817	0.019479	0.013632	-0.031464	0.011759	0.044841	-0.026628
131	700.6/196.1>GPEtn:34:1p, 34:2e	-0.011015	-0.012137	0.019999	-0.033718	0.009273	0.004084	0.01289	0.029892	0.028907	0.06952
132	702.6/196.1>GPEtn:34:0p, 34:1e	-0.015565	0.001325	0.04284	-0.124224	-0.032904	-0.00019	-0.025788	-0.040653	0.088318	-0.095088
133	710.8/196.1>GPEtn:18:1/16:1	-0.03124	-0.013521	0.056938	-0.106859	-0.003051	0.027437	-0.043197	0.034726	0.056105	0.037406
134	712.8/196.1>GPEtn:18:2/16:1	-0.010473	-0.035468	0.086815	-0.066121	-0.030666	0.035647	0.012272	0.041578	0.009519	-0.006447
135	714.7/196.1>GPEtn:18:1/16:1	-0.020023	-0.068717	0.092995	-0.125083	-0.034649	0.004462	-0.005459	-0.029324	0.006234	-0.08407
136	716.7/196.1>GPEtn:18:1/16:0	-0.021139	-0.052545	0.060193	-0.101399	-0.059418	0.05285	0.05699	0.047045	-0.010758	-0.063233
137	718.6/196.1>GPEtn:18:0/16:0	0.009552	-0.00646	0.062871	-0.110355	0.035665	0.015765	-0.012278	-0.068054	0.073433	-0.074194
138	722.6/196.1>GPEtn:36:4p	-0.023059	-0.018546	0.03853	-0.03202	0.02752	0.040476	0.060639	0.083984	0.022608	0.044132
139	724.6/196.1>GPEtn:36:3p, 36:4e	-0.010315	-0.008859	0.015087	-0.069699	-0.001101	-0.011295	-0.019802	0.10943	0.104366	0.020964
140	726.6/196.1>GPEtn:36:2p, 36:3e	-0.005385	-0.011621	0.040595	-0.062009	-0.045945	-0.035242	0.00583	-0.048721	0.013542	-0.018764
141	728.6/196.1>GPEtn:36:1p, 36:2e	-0.023592	-0.026737	0.060457	-0.119054	-0.036288	-0.025198	-0.006571	-0.049083	0.023455	-0.097558
142	738.8/196.1>GPEtn:20:4/16:0	0.02663	-0.109465	0.001241	-0.065608	0.007207	0.085337	0.027972	0.03945	-0.034676	0.005578
143	740.8/196.1>GPEtn:18:2/18:1	-0.007564	-0.061536	0.106338	-0.079364	-0.027424	-0.050076	0.007799	-0.016899	-0.011897	-0.063579
144	742.8/196.1>GPEtn:18:1/18:1	0.002414	-0.065735	0.084408	-0.060832	-0.070867	-0.04696	0.055636	0.049766	-0.035714	-0.031636
145	744.6/196.1>GPEtn:18:0/18:1	-0.017446	-0.0644	0.064632	-0.100087	-0.043787	-0.020663	0.028789	0.049475	0.041781	-0.070474
146	746.8/196.1>GPEtn:18:0/18:0	-0.024925	-0.06844	0.105885	-0.08327	-0.009299	0.060284	-0.033205	0.045633	0.080783	-0.022211
147	748.6/196.1>GPEtn:38:5p, 38:6e	-0.005325	-0.071261	0.044612	-0.058896	-0.001271	0.055045	-0.011417	0.131419	0.081656	0.023319
148	750.6/196.1>GPEtn:38:4p, 38:5e	0.001844	-0.037154	0.030953	-0.057551	-0.008687	-0.078713	-0.007765	-0.00604	0.072741	-0.006564
149	752.6/196.1>GPEtn:38:3p, 38:4e	-0.013166	-0.020915	0.053253	-0.121376	-0.019478	-0.049327	-0.013236	-0.1092	0.019264	-0.112345
150	754.6/196.1>GPEtn:38:2p, 38:3e	-0.022812	-0.007787	0.073568	-0.101968	-0.001287	0.007269	0.012213	-0.077572	0.024634	-0.10135
151	756.6/196.1>GPEtn:38:1p, 38:2e	-0.004221	-0.014118	0.024214	-0.019493	0.004144	0.037335	0.016083	0.018706	0.018845	0.012616
152	762.8/196.1>GPEtn:20:4/18:2	0.036104	-0.112645	-0.022772	-0.051374	0.023874	0.08206	0.029546	0.042141	0.018574	-0.009666
153	764.8/196.1>GPEtn:20:4/18:1	0.03089	-0.103968	0.016736	-0.064039	0.006151	0.048211	0.052274	0.051943	-0.011125	0.002259
154	766.8/196.1>GPEtn:20:4/18:0	0.03926	-0.100108	-0.005985	-0.061224	-0.002054	0.076527	0.041501	0.008717	-0.061355	-0.019718
155	768.8/196.1>GPEtn:20:3/18:0	0.02422	-0.089093	0.046911	-0.071263	-0.023158	0.052272	0.068643	0.038074	0.006633	-0.08155
156	770.6/196.1>GPEtn:20:2/18:0	0.000083	-0.02827	0.064449	-0.089016	-0.040853	-0.011272	0.000823	-0.013653	0.059649	-0.104055
157	772.6/196.1>GPEtn:20:1/18:0	-0.026039	0.014821	0.066929	-0.129553	-0.03127	-0.024394	0.019665	-0.072402	-0.026535	-0.056969
158	776.6/196.1>GPEtn:40:5p, 40:6e	-0.006718	0.001678	0.037603	-0.028384	-0.021154	-0.013743	0.048264	-0.047366	0.060737	-0.067309
159	778.6/196.1>GPEtn:40:4p, 40:5e	-0.030284	0.037443	-0.027856	-0.015058	0.009165	0.012056	0.039424	-0.013024	0.054217	-0.061476
160	780.6/196.1>GPEtn:40:3p, 40:4e	-0.008664	0.022385	0.00337	-0.030252	0.009359	0.002008	0.000775	-0.01225	0.045231	-0.001256
161	784.6/196.1>GPEtn:40:1p, 40:2e	-0.024599	0.006677	0.023335	-0.067156	-0.004711	-0.006494	0.003196	-0.042444	0.072606	-0.102262
162	788.8/196.1>GPEtn:22:4/18:3	-0.004232	-0.061655	0.075118	-0.056273	0.019669	0.032304	0.022675	-0.043176	-0.006405	-0.09019
163	790.8/196.1>GPEtn:22:4/18:2	0.026265	-0.080197	-0.015209	-0.07173	0.012416	0.059898	0.029514	-0.088571	-0.003094	-0.130057
164	792.6/196.1>GPEtn:40:5a	0.029626	-0.062785	-0.016804	-0.061867	-0.01726	0.091861	0.065935	0.033463	-0.008621	-0.040099

	A	B	C	D	E	F	G	H	I	J	K
165	794.6/196.1>GPEtn:40:4a	0.02724	-0.036207	-0.010697	-0.092714	-0.027612	0.049437	0.041325	-0.035386	0.0329	-0.070926
166	796.8/196.1>GPEtn:40:3a	-0.02203	0.0482	-0.003991	-0.024547	-0.024275	0.036054	0.023546	0.00385	-0.085743	0.063955
167	798.6/196.1>GPEtn:40:2a	-0.038308	0.028048	0.056192	-0.098884	-0.049881	-0.018799	0.006721	-0.058677	0.041173	-0.082599
168	569.4/241.1>GPIns:Lyso 16:1	0.024694	-0.008646	0.007463	-0.028355	0.075407	-0.044688	0.133659	-0.000725	-0.0843	-0.052996
169	571.3/241.1>GPIns:Lyso 16:0	-0.028995	0.043925	0.033958	-0.088039	0.088149	-0.092073	0.018401	-0.05571	-0.0592	0.029477
170	595.4/241.1>GPIns:Lyso 18:2	-0.026605	0.049467	0.011099	-0.057553	0.097752	-0.096354	-0.018612	-0.054915	-0.036565	0.039831
171	597.4/241.1>GPIns:Lyso 18:1	-0.006997	0.007485	0.065465	-0.064414	0.081954	-0.136702	0.03739	-0.051306	-0.068554	0.029754
172	599.4/241.1>GPIns:Lyso 18:0	-0.040622	0.016975	0.033038	-0.098811	0.071984	-0.090527	0.077792	-0.046308	-0.099952	0.037047
173	619.5/241.1>GPIns:Lyso 20:4	0.022192	-0.090065	-0.01106	-0.024939	0.116291	-0.075351	0.076299	-0.025363	-0.086258	-0.018081
174	621.5/241.1>GPIns:Lyso 20:3	0.038817	-0.068337	0.012475	-0.009529	0.06247	-0.098366	0.110484	-0.02135	-0.079676	-0.071548
175	623.5/241.1>GPIns:Lyso 20:2	0.021232	-0.046425	0.040642	-0.049245	0.047777	-0.111615	0.071853	-0.046158	-0.066651	-0.03989
176	625.5/241.1>GPIns:Lyso 20:1	-0.023271	0.042654	0.069063	-0.107497	0.013742	-0.079926	0.036724	-0.056154	-0.059042	0.031418
177	627.5/241.1>GPIns:Lyso 20:0	0.006165	0.041146	0.024821	0.000077	0.071007	-0.023043	0.048404	0.037884	0.00509	0.089029
178	679.5/241.1>GPIns:Lyso 24:2	0.030445	0.093314	0.02535	-0.072989	0.099334	-0.006017	-0.020473	-0.035298	0.043959	-0.006372
179	835.7/241.1>GPIns:34:1	0.047136	0.117145	0.016675	-0.026798	0.07247	0.012677	-0.026728	-0.013432	0.043715	-0.012099
180	857.7/241.1>GPIns:36:4	0.047898	0.112232	0.00155	-0.022801	0.087698	0.020677	-0.03105	-0.009777	0.047914	-0.019112
181	859.8/241.1>GPIns:36:3	0.037336	0.121473	0.012315	-0.019202	0.073428	0.005356	-0.042069	-0.006609	0.050652	-0.004354
182	861.8/241.1>GPIns:36:2	0.05237	0.114905	0.001845	-0.013522	0.060496	0.004423	-0.044442	-0.020278	0.046725	0.002162
183	863.7/241.1>GPIns:36:1	0.064912	0.101152	0.037496	0.004344	0.016306	-0.025573	-0.016423	-0.014741	0.055518	-0.026293
184	865.8/241.1>GPIns:36:0	0.059982	0.073228	0.065152	-0.050466	0.042642	-0.023331	0.00753	-0.01836	0.028629	-0.041147
185	873.8/241.1>GPIns:37:3	0.066088	0.057464	0.036025	-0.006	0.042128	0.02067	0.059951	0.018325	0.054076	-0.061287
186	883.8/241.1>GPIns:38:5	0.053225	0.072512	0.012006	0.026813	0.00738	-0.02688	0.05497	0.026189	0.044314	-0.049848
187	885.8/241.1>GPIns:38:4	0.092627	-0.009489	-0.042495	0.020767	0.048796	0.043159	0.024194	-0.022393	0.032324	-0.080875
188	887.8/241.1>GPIns:38:3	0.092179	0.004043	-0.025295	0.032706	0.018399	0.017033	0.050659	-0.006824	0.029839	-0.107957
189	889.8/241.1>GPIns:38:2	0.08255	0.035637	0.031264	-0.036226	0.05051	-0.009866	0.027443	-0.004773	0.013527	-0.060301
190	891.8/241.1>GPIns:38:1	-0.031784	0.10573	0.034051	-0.108592	-0.009461	-0.005749	-0.028517	-0.075174	0.005489	-0.008076
191	893.8/241.1>GPIns:38:0	-0.033686	0.081484	0.028383	-0.118149	-0.004701	-0.009264	-0.035888	-0.10229	0.00656	-0.057571
192	909.8/241.1>GPIns:40:6	0.084284	-0.028354	-0.032856	0.029658	0.054342	0.029788	0.035409	-0.041744	0.064852	-0.06794
193	911.8/241.1>GPIns:40:5	0.083919	0.008816	-0.039538	0.058926	0.037198	0.019125	0.040977	-0.036864	0.061635	-0.091301
194	913.8/241.1>GPIns:40:4	0.057061	0.080119	-0.011014	0.025131	-0.003808	0.007862	0.055747	0.001086	0.051564	-0.112443
195	915.8/241.1>GPIns:40:3	-0.016271	0.123658	0.004473	-0.023227	-0.057049	0.036838	-0.004575	0.02264	0.004691	-0.004135
196	917.8/241.1>GPIns:40:2	-0.009858	0.143731	0.024526	-0.036061	0.008753	0.008757	-0.022412	0.008174	0.028327	0.004874
197	919.8/241.1>GPIns:40:1	-0.04028	0.104291	0.01622	-0.098204	-0.017349	-0.013709	-0.017571	-0.06582	0.010293	-0.037461
198	963.9/241.1>GPInsP: 38:5	-0.054633	0.079019	0.022424	-0.043429	-0.069886	0.007296	0.035163	-0.000987	-0.001847	0.013068
199	963.9/321.1>GPInsP: 38:5	-0.023563	0.006282	0.030393	-0.055506	0.029819	-0.007008	-0.001076	-0.061874	-0.028105	-0.049418
200	965.9/241.1>GPInsP: 38:4	-0.062202	0.085371	0.040908	0.019071	-0.036685	0.010172	0.047302	-0.004463	0.000683	0.040968
201	965.9/321.1>GPInsP: 38:4	-0.044461	-0.005052	0.073832	-0.00295	-0.030603	0.006493	0.0376	-0.056886	0.056031	-0.055706
202	967.9/241.1>GPInsP: 38:3	-0.052515	0.091059	-0.001016	-0.006152	-0.057309	-0.007944	0.035995	0.019571	-0.028666	0.043429
203	967.9/321.1>GPInsP: 38:3	-0.063827	0.053574	0.01205	-0.016594	-0.010818	-0.025706	0.090665	-0.005536	0.00963	-0.026836
204	1045.9/241.1>GPInsP2: 38:4	-0.042098	0.07557	-0.004199	-0.035684	-0.004479	-0.00549	-0.0088	-0.050291	0.052674	-0.045028
205	1045.9/321.1>GPInsP2: 38:4	-0.008846	-0.002681	-0.016822	0.022818	0.021529	0.009931	0.009995	0.017213	-0.00106	0.016609

	A	B	C	D	E	F	G	H	I	J	K
206	1045.9/401.1>GPInsP2: 38:4	-0.018694	-0.002087	-0.022492	-0.013444	0.039441	-0.01549	0.008899	-0.035909	-0.033505	0.048633
207	1047.9/321.1>GPInsP2: 38:3	-0.010429	0.029762	-0.01688	-0.016204	0.027898	-0.000644	0.036314	-0.005312	-0.013019	0.017717
208	1047.9/401.1>GPInsP2: 38:3	-0.051318	0.028272	0.014625	-0.007886	-0.025941	-0.007579	0.056564	-0.006241	-0.010083	0.035479
209	1047.9/241.1>GPInsP2: 38:3	-0.012971	0.066843	0.033962	0.022543	0.006299	-0.039744	0.035084	0.03293	-0.026648	-0.00684
210	1125.9/241.1>GPInsP3: 38:4	-0.029984	0.022336	0.009533	-0.041555	-0.004964	0.004978	0.029538	-0.031664	-0.012937	-0.076692
211	1125.9/321.1>GPInsP3: 38:4	-0.016222	0.005081	0.037337	-0.088062	0.033587	-0.039649	-0.011707	-0.086866	-0.066699	0.005795
212	1125.9/401.1>GPInsP3: 38:4	0.002503	-0.006292	0.015156	-0.033318	0.020684	0.008745	0.026705	0.049713	-0.047974	0.120103
213	1125.9/481.1>GPInsP3: 38:4	0.001688	0.034477	0.009375	0.036789	0.019359	0.025614	-0.017599	-0.010838	-0.003297	-0.037414
214	835.7/281.1>GPIns:34:1	0.055555	0.093827	0.040725	-0.058094	0.090749	0.011097	-0.028752	-0.017544	0.020652	-0.001589
215	821.8/241.1>GPIns: 34:1	0.042299	0.09628	0.029048	-0.027608	0.053283	0.000755	-0.001673	-0.011709	0.04332	-0.028917
216	494.4/184.1>GPCho:Lyso 16:1	-0.005425	0.018504	0.009556	0.033844	-0.0302	-0.06527	0.170462	0.053986	-0.039506	-0.083631
217	496.4/184.1>GPCho:Lyso 16:0	-0.066126	0.012355	-0.004211	0.006934	-0.014294	-0.057034	0.082672	0.040368	0.008565	-0.006249
218	520.4/184.1>GPCho:Lyso 18:2	-0.031768	-0.081888	0.047774	0.022534	-0.018942	-0.171281	0.005934	0.018953	-0.008523	0.02214
219	522.4/184.1>GPCho:Lyso 18:1	-0.067633	-0.033223	0.01147	0.028339	-0.013025	-0.083018	0.104993	0.041152	-0.044027	-0.021797
220	524.4/184.1>GPCho:Lyso 18:0	-0.053824	0.004731	0.02349	0.011861	-0.047669	-0.132787	0.078538	0.020155	0.014851	-0.059778
221	544.4/184.1>GPCho:Lyso 20:4	0.009079	-0.113672	-0.061953	0.029582	0.071692	-0.023508	0.045904	-0.028469	0.005183	-0.071705
222	568.4/184.1>GPCho:Lyso 22:6	0.00969	-0.10272	-0.06014	0.039531	0.078663	-0.042984	0.019162	-0.031702	0.048719	-0.053214
223	570.4/184.1>GPCho:Lyso 22:5	0.018146	-0.099415	-0.051319	0.054599	0.063676	-0.064047	0.0507	-0.020122	0.033002	-0.083974
224	678.5/184.1>GPCho:28:0	-0.032149	0.043386	0.057997	0.015684	-0.096127	-0.057057	0.063407	0.037367	0.050428	-0.013138
225	678.5/184.1>GPCho:28:0a	-0.034025	0.036836	0.062729	0.014871	-0.094784	-0.060085	0.06687	0.036623	0.04972	-0.019595
226	704.6/184.1>GPCho:30:1a	-0.100886	-0.029821	-0.052553	-0.006016	0.041317	0.019222	-0.06476	-0.054353	-0.033444	0.077863
227	706.6/184.1>GPCho:30:0a	-0.074351	-0.013336	-0.017934	0.03468	-0.01786	-0.015687	-0.000051	-0.038735	0.008269	-0.010994
228	718.6/184.1>GPCho:32:0p, 32:1e	-0.068625	0.042173	0.014533	0.00974	-0.002198	-0.04024	-0.017299	-0.076711	0.069236	0.053207
229	730.8/184.1>GPCho:32:2	-0.064165	0.007089	-0.040926	-0.006294	0.010464	-0.023482	-0.004832	-0.069965	-0.014066	-0.005494
230	732.6/184.1>GPCho:32:1a	-0.043001	0.059522	-0.049222	-0.026547	-0.009465	0.088029	0.116685	-0.003355	-0.067338	-0.059277
231	734.6/184.1>GPCho:32:0a	-0.039067	0.064453	-0.043912	-0.003799	0.000326	0.138467	0.031229	-0.0177	-0.037294	0.050407
232	742.6/184.1>GPCho:34:2p, 34:3e	-0.02934	0.057911	0.07832	0.065671	-0.040247	-0.086549	-0.016453	-0.007451	0.050122	0.033263
233	744.6/184.1>GPCho:34:1p, 34:2e	0.041768	-0.022143	0.079397	0.071254	-0.029675	-0.127978	-0.059236	0.021223	0.057587	0.028872
234	746.6/184.1>GPCho:34:0p, 34:1e	-0.008644	0.06009	0.036587	0.042602	0.030452	0.009806	-0.006687	0.002754	0.047842	0.094738
235	748.6/184.1>GPCho:34:0e	-0.026847	0.086912	0.026179	0.017943	0.012284	0.022227	-0.022316	-0.036871	0.08368	0.061008
236	756.6/184.1>GPCho:34:3a	-0.032985	0.115475	0.06783	-0.023817	-0.060651	-0.032716	0.014694	0.045216	-0.024	0.049365
237	758.7/184.1>GPCho:34:2a	0.0658	0.019386	0.083651	-0.028971	-0.022078	0.025235	-0.071214	0.063685	-0.001275	0.070721
238	760.6/184.1>GPCho:34:1a	0.02728	0.086348	0.000073	-0.012183	-0.016882	0.13059	0.082015	0.068107	-0.035036	0.00189
239	762.6/184.1>GPCho:34:0a	0.015714	0.086084	-0.015634	0.002646	-0.040603	0.117025	0.110244	0.052622	-0.048323	-0.00776
240	768.6/184.1>GPCho:36:3p, 36:4e	0.069271	-0.065922	-0.015791	0.068294	0.079555	-0.016412	-0.013905	-0.02915	0.051361	-0.02005
241	770.6/184.1>GPCho:36:2p, 36:3e	0.057877	-0.017785	0.051885	0.090876	0.023	-0.111677	-0.037816	0.009724	0.063845	-0.005859
242	772.6/184.1>GPCho:36:1p, 36:2e	0.018568	0.076198	0.087798	0.021536	-0.037685	-0.090421	-0.043206	0.011165	0.07717	0.052019
243	774.6/184.1>GPCho:36:0p, 36:1e	0.009612	0.092968	0.045466	0.020997	-0.011564	-0.039424	-0.002493	-0.007776	0.122596	-0.015816
244	782.6/184.1>GPCho:36:4a	0.08743	-0.041915	-0.043373	0.02195	0.037735	0.090976	0.013272	-0.010563	0.01911	-0.067666
245	784.6/184.1>GPCho:36:3a	0.096564	-0.005334	0.039337	0.037215	-0.033421	-0.014958	0.051395	0.039818	0.028246	-0.09081
246	786.6/184.1>GPCho:36:2a	0.073235	-0.000703	0.08741	-0.004394	-0.073539	-0.10067	-0.004126	0.062138	0.027759	-0.01655

	A	B	C	D	E	F	G	H	I	J	K
247	788.6/184.1>GPCho:36:1a	0.000188	0.098328	0.06633	-0.027947	-0.110892	-0.060577	0.059775	0.040771	-0.006497	-0.041208
248	790.8/184.1>GPCho:36:0	-0.015147	0.117778	0.042917	0.001595	-0.090689	-0.038865	0.058102	0.016096	0.005392	-0.052266
249	792.6/184.1>GPCho:38:5p, 38:6e	0.047858	-0.038225	-0.017877	0.076692	0.059437	-0.027078	-0.014994	-0.029446	0.101371	-0.017185
250	794.6/184.1>GPCho:38:4p, 38:5e	0.065899	-0.057774	-0.032489	0.066911	0.102539	0.002753	-0.022983	-0.025122	0.069695	-0.01382
251	796.6/184.1>GPCho:38:3p, 38:4e	0.067508	-0.032644	-0.026721	0.072074	0.101053	0.013807	-0.033088	-0.021678	0.101181	-0.021095
252	798.6/184.1>GPCho:38:2p, 38:3e	0.042036	0.096672	0.033529	0.033599	0.036091	0.011236	-0.019769	0.016556	0.112756	-0.011409
253	800.6/184.1>GPCho:38:1p, 38:2e	-0.048269	0.076214	0.032415	0.023994	0.000213	-0.075519	-0.054029	-0.027932	0.082212	0.054523
254	808.6/184.1>GPCho:38:5a	0.093019	-0.042904	-0.043013	0.045803	0.038016	0.030162	0.031484	-0.007155	0.073945	-0.093814
255	810.6/184.1>GPCho:38:4a	0.092056	-0.028924	-0.047293	0.02646	0.035962	0.057324	0.027818	-0.018411	0.039242	-0.106964
256	812.6/184.1>GPCho:38:3a	0.046431	0.037731	-0.03753	0.03411	-0.006515	0.033854	0.068401	-0.027461	0.033436	-0.151343
257	814.6/184.1>GPCho:38:2a	-0.10408	0.039064	-0.061731	-0.009572	0.029254	0.035466	-0.031758	-0.074536	-0.011788	0.020576
258	816.6/184.1>GPCho:38:1a	-0.079995	0.068931	0.005327	-0.030111	-0.051175	-0.070191	-0.055383	-0.050242	0.009759	0.013383
259	820.6/184.1>GPCho:40:5p, 40:6e	0.069602	-0.038792	-0.030395	0.065025	0.080062	-0.011209	-0.033233	-0.037884	0.124248	-0.026102
260	822.6/184.1>GPCho:40:4p, 40:5e	0.050379	0.064562	-0.0016	0.036248	0.062756	0.030632	-0.039454	-0.011857	0.118812	0.009951
261	824.6/184.1>GPCho:40:3p, 40:4e	0.037121	0.095346	0.006101	0.027438	0.046484	0.042958	-0.036249	0.019973	0.116617	0.019611
262	826.6/184.1>GPCho:40:2p, 40:3e	-0.040032	0.129441	0.046588	-0.038574	-0.023193	0.017828	-0.004408	0.03428	0.030228	0.052262
263	828.6/184.1>GPCho:40:1p, 40:2e	-0.059383	0.102388	0.044606	-0.050425	-0.017013	0.033243	-0.015059	0.055953	0.082553	0.050472
264	834.6/184.1>GPCho:40:6a	0.077024	-0.04092	-0.053904	0.047446	0.038371	0.020502	0.027505	-0.025487	0.076004	-0.092977
265	836.6/184.1>GPCho:40:5a	0.067107	0.045003	-0.034569	0.024566	-0.021159	0.042641	0.043151	-0.00924	0.082723	-0.097389
266	838.6/184.1>GPCho:40:4a	0.040493	0.100277	0.001486	0.00364	-0.050233	0.042736	0.053219	0.025669	0.052523	-0.081128
267	701.5/184.1>SM:18/16:1	-0.088989	-0.031524	-0.049358	-0.0099	0.029035	-0.027226	-0.04622	-0.029625	-0.025892	0.065231
268	703.5/184.1>SM:18/16:0	-0.10443	-0.041731	-0.047221	-0.02837	0.040971	0.015614	-0.056839	-0.034623	-0.018974	0.070243
269	703.8/184.4>SM:d18:1/16:0	-0.100397	-0.028907	-0.058229	-0.003809	0.05473	0.01777	-0.073645	-0.055485	-0.019812	0.070677
270	705.8/184.4>SM: d18:0 / 16:0	-0.100699	-0.030848	-0.061691	0.000094	0.035648	0.017317	-0.058534	-0.068927	-0.029149	0.041989
271	727.6/184.1>SM:18/18:2	-0.062192	0.034176	0.003376	-0.03124	0.01259	-0.036731	-0.062214	-0.092878	0.002414	0.008374
272	729.6/184.1>SM:18/18:1	-0.081835	0.001602	-0.059986	-0.042653	0.04558	0.040591	-0.023858	-0.075154	-0.036489	0.028975
273	731.6/184.1>SM:18/18:0	-0.093006	0.006391	-0.068758	-0.047277	0.027371	0.067163	-0.01609	-0.084166	-0.043131	0.010486
274	731.8/184.4>SM: d18:1 / 18:0	-0.091697	0.00865	-0.072936	-0.038578	0.031316	0.068903	-0.018929	-0.085678	-0.0446	0.012519
275	733.8/184.4>SM: d18:0 / 18:0	-0.059697	0.046748	-0.065795	-0.036937	0.000413	0.099457	0.074973	-0.038589	-0.062148	-0.065012
276	757.6/184.1>SM:18/20:1	-0.056148	0.100633	0.048969	-0.026461	-0.04066	-0.046547	-0.008988	0.015101	-0.029897	0.059379
277	759.6/184.1>SM:18/20:0	0.073739	0.007867	0.056849	-0.003726	-0.0721	-0.027392	-0.083835	0.06182	0.013909	0.072093
278	759.8/184.4>SM: d18:1 / 20:0	0.071244	-0.000971	0.063051	0.002417	-0.072799	-0.037462	-0.07709	0.048824	-0.007195	0.07859
279	761.8/184.4>SM: d18:0 / 20:0	0.018167	0.081613	-0.012334	0.010554	-0.033404	0.113157	0.100773	0.062522	-0.04772	-0.002493
280	773.6/184.1>SM:18/21:0	-0.008113	0.016043	0.035811	0.033425	-0.047877	-0.120388	-0.0612	-0.043273	0.102708	0.016918
281	787.6/184.1>SM:18/22:0	0.027966	-0.005049	0.058573	0.020927	-0.100824	-0.15353	-0.037391	0.019534	0.039764	-0.038134
282	787.9/184.4>SM: d18:1 / 22:0	0.010578	-0.007658	0.04586	0.024856	-0.081556	-0.177509	-0.048732	-0.025605	0.002132	-0.033832
283	789.9/184.4>SM: d18:0 / 22:0	-0.005775	0.096029	0.052668	-0.015747	-0.095214	-0.045496	0.069952	0.028424	-0.022178	-0.051108
284	813.6/184.1>SM:18/24:1	-0.101972	0.010778	-0.074285	-0.004394	0.047097	0.045343	-0.034132	-0.087407	-0.010595	0.013045
285	813.9/184.4>SM: d18:1 / 24:1	-0.100891	0.008393	-0.071288	0.001744	0.048245	0.040035	-0.037076	-0.092325	-0.020349	0.020523
286	815.6/184.1>SM:18/24:0	-0.083879	-0.001737	-0.066435	0.02672	0.014752	-0.051644	-0.08079	-0.087197	0.011866	-0.006135
287	815.9/184.4>SM: d18:0 / 24:1	-0.079455	-0.035952	-0.042576	-0.025342	0.022042	-0.047273	-0.087196	-0.087255	-0.001396	0.013903

	A	B	C	D	E	F	G	H	I	J	K
288	817.9/184.4>SM: d18:0 / 24:0	-0.027589	0.080378	0.032588	-0.06016	-0.018573	-0.058138	-0.058037	-0.055367	0.005254	0.037188
289	841.9/184.4>SM: d18:1 / 26:1	-0.050894	0.1127	0.03242	-0.063669	-0.047203	0.018373	0.001122	-0.021974	-0.008654	0.03723
290	843.9/184.4>SM: d18:0 / 26:1	0.069477	0.034935	0.030595	-0.041014	0.042206	0.038507	0.013522	0.024098	0.029343	0.053701
291	843.9/184.4>SM: d18:1 / 26:0	0.069864	0.03742	0.029489	-0.038501	0.042405	0.035168	0.014293	0.019642	0.025249	0.052345
292	845.9/184.4>SM: d18:0 / 26:0	0.067518	0.039665	0.015161	-0.026493	0.058778	0.06045	0.035718	0.032173	0.035383	0.032965
293	538.7/264.4>Cer: d18:1 / 16:0	-0.081671	-0.028482	-0.022803	-0.028836	0.10822	-0.003116	0.030613	0.04176	0.012135	0.02178
294	540.7/266.4>Cer: d18:0 / 16:0	-0.112976	-0.040381	-0.011263	-0.031203	0.032786	0.008232	0.017742	0.002939	0.005903	-0.012814
295	566.7/264.4>Cer: d18:1 / 18:0	-0.096464	0.004918	-0.041724	-0.056698	0.045891	0.050414	0.033671	-0.033381	-0.041593	-0.020064
296	568.7/266.4>Cer: d18:0 / 18:0	-0.095406	-0.032162	-0.039353	-0.05126	0.003848	0.066614	0.009127	0.033216	0.027079	-0.004445
297	594.7/264.4>Cer: d18:1 / 20:0	-0.106277	-0.015611	-0.025823	-0.051478	0.024807	0.041877	0.035279	0.014256	-0.008418	-0.001582
298	596.7/266.4>Cer: d18:0 / 20:0	-0.072024	0.043845	-0.024288	0.016228	0.084222	0.005741	0.011443	0.028823	0.048047	-0.053485
299	622.8/264.4>Cer: d18:1 / 22:0	-0.108979	-0.031914	-0.014411	-0.022147	-0.002941	-0.003694	0.026732	0.04752	0.022397	-0.035514
300	624.8/266.4>Cer: d18:0 / 22:0	-0.001949	0.071665	0.014275	-0.02713	0.103132	0.027549	-0.034951	0.001603	0.047801	-0.013576
301	648.9/264.4>Cer: d18:1 / 24:1	-0.114834	-0.003176	-0.033233	-0.021612	0.0354	0.038193	0.030352	0.003672	-0.011987	-0.013092
302	650.9/266.4>Cer: d18:0 / 24:1	-0.110893	-0.027429	-0.033317	-0.028988	-0.011621	0.045933	0.029423	0.025443	0.028852	-0.022536
303	650.9/264.4>Cer: d18:1 / 24:0	-0.097066	-0.045965	-0.005997	0.020459	-0.056436	-0.027201	0.00482	0.019454	0.032105	-0.034434
304	652.9/266.4>Cer: d18:0 / 24:0	-0.090799	-0.058164	-0.013807	-0.002016	-0.050461	-0.013956	0.003233	0.056739	0.064907	-0.016165
305	676.9/264.4>Cer: d18:1 / 26:1	-0.102139	0.017725	-0.041193	0.005218	0.005478	0.034015	0.030693	-0.033251	-0.023365	0.003372
306	678.9/266.4>Cer: d18:0 / 26:1	-0.035018	-0.055373	0.032694	-0.059622	-0.003467	0.039188	0.017831	0.153842	0.099266	0.029568
307	678.9/264.4>Cer: d18:1 / 26:0	-0.051031	0.028146	0.040513	0.034284	0.00785	-0.038371	0.033338	0.026951	0.021693	-0.007997
308	680.9/266.4>Cer: d18:0 / 26:0	-0.013942	-0.05412	0.01418	-0.061772	-0.005409	0.025647	-0.02215	0.143509	0.109343	0.053177
309	700.7/264.4>MonoHexCer: d18:1 / 16:0	-0.093441	-0.066556	-0.0099	-0.037818	-0.005274	0.038883	-0.037747	0.086455	0.08371	0.031229
310	702.7/266.4>MonoHexCer: d18:0 / 16:0	-0.066004	-0.04965	0.013454	-0.036922	-0.027328	0.027982	0.000522	0.129142	0.109671	0.034565
311	728.7/264.4>MonoHexCer: d18:1 / 18:0	-0.116366	-0.035275	-0.019247	0.005247	0.012577	0.016304	-0.020917	-0.002818	0.013837	-0.013146
312	730.7/266.4>MonoHexCer: d18:0 / 18:0	-0.06663	-0.001819	0.0521	-0.034233	-0.037685	0.022729	0.012984	-0.054482	0.032966	-0.079693
313	756.7/264.4>MonoHexCer: d18:1 / 20:0	-0.104458	-0.062298	0.000774	-0.004368	-0.003991	0.024321	-0.014401	0.052083	0.060607	0.00501
314	758.7/266.4>MonoHexCer: d18:0 / 20:0	-0.059226	-0.016067	0.006201	-0.037667	-0.037038	0.025751	0.029413	0.04022	0.016112	-0.030405
315	784.8/264.4>MonoHexCer: d18:1 / 22:0	-0.09291	-0.07521	-0.006279	-0.022238	-0.017439	0.00262	-0.054086	0.069156	0.088232	0.005784
316	786.8/266.4>MonoHexCer: d18:0 / 22:0	-0.070802	0.010144	-0.004934	-0.013803	-0.030498	-0.011344	-0.058772	-0.004389	0.018578	-0.024384
317	810.9/264.4>MonoHexCer: d18:1 / 24:1	-0.104884	-0.052794	-0.024156	-0.01741	0.009774	0.045081	-0.034109	0.040499	0.070154	0.010709
318	812.9/266.4>MonoHexCer: d18:0 / 24:1	-0.083584	-0.065761	-0.023889	-0.0221	-0.001599	0.037633	-0.029203	0.084983	0.105726	0.04407
319	812.9/264.4>MonoHexCer: d18:1 / 24:0	-0.083744	-0.077156	-0.005128	-0.029543	-0.018526	0.011794	-0.048559	0.083988	0.107765	0.015524
320	814.9/266.4>MonoHexCer: d18:0 / 24:0	-0.089033	-0.062703	0.003806	-0.026279	-0.027456	0.017615	-0.030768	0.059948	0.110364	-0.012725
321	838.9/264.4>MonoHexCer: d18:1 / 26:1	-0.097906	-0.051344	0.018165	-0.013912	0.008298	0.027266	-0.013752	0.046764	0.074897	-0.048319
322	840.9/266.4>MonoHexCer: d18:0 / 26:1	-0.061726	0.021541	0.007593	-0.004864	-0.048812	-0.000355	0.001227	0.018958	0.004339	-0.087311
323	840.9/264.4>MonoHexCer: d18:1 / 26:0	-0.103153	0.003172	-0.012607	0.057014	0.007811	0.00978	0.024032	-0.011555	-0.018183	-0.049661
324	842.9/266.4>MonoHexCer: d18:0 / 26:0	-0.06271	0.025738	0.010485	-0.035959	-0.063465	-0.002517	0.0199	-0.068131	0.020455	-0.111476
325	862.7/264.4>DiHexCer: d18:1 / 16:0	-0.101736	-0.05852	-0.033158	-0.029651	-0.005936	0.018433	-0.051189	0.032394	0.056333	0.021313
326	864.7/266.4>DiHexCer: d18:0 / 16:0	-0.088768	-0.015747	-0.031405	0.00512	-0.024481	0.028898	-0.021278	-0.012291	0.047473	-0.049436
327	890.7/264.4>DiHexCer: d18:1 / 18:0	-0.102763	-0.054407	-0.026554	-0.035736	-0.007663	0.023402	-0.032187	0.068605	0.077849	-0.008707
328	892.7/266.4>DiHexCer: d18:0 / 18:0	-0.06167	0.042893	-0.025252	0.0011	-0.00131	0.015598	0.009456	-0.001863	0.030215	-0.032798

	A	B	C	D	E	F	G	H	I	J	K
329	918.7/264.4>DiHexCer: d18:1 / 20:0	-0.113315	-0.038747	-0.033367	0.017344	-0.004234	0.020059	-0.007585	0.012033	0.035765	-0.051171
330	920.7/266.4>DiHexCer: d18:0 / 20:0	-0.013096	0.019547	0.049981	-0.065262	0.005234	0.048947	-0.034386	-0.049951	0.046823	-0.086375
331	946.8/264.4>DiHexCer: d18:1 / 22:0	-0.105047	-0.060979	-0.022974	-0.016706	-0.007717	-0.000642	-0.040223	0.039133	0.075942	-0.022739
332	948.8/266.4>DiHexCer: d18:0 / 22:0	-0.042865	0.033274	0.021012	-0.001276	0.020951	0.045777	-0.046834	0.002815	0.038018	-0.049072
333	972.9/264.4>DiHexCer: d18:1 / 24:1	-0.109255	-0.041861	-0.040408	-0.010967	0.007223	0.020902	-0.034676	0.002652	0.042947	-0.003286
334	974.9/266.4>DiHexCer: d18:0 / 24:1	-0.090433	-0.008168	-0.032103	0.004996	-0.007113	-0.006235	-0.017842	-0.051043	-0.013542	-0.021985
335	974.9/264.4>DiHexCer: d18:1 / 24:0	-0.098299	-0.061791	-0.026712	-0.011876	-0.011475	-0.004054	-0.051455	0.068558	0.089058	-0.002765
336	976.9/266.4>DiHexCer: d18:0 / 24:0	-0.088834	-0.006502	0.016948	-0.018238	-0.039775	-0.001028	0.018336	-0.051213	0.011626	-0.09637
337	1000.9/264.4>DiHexCer: d18:1 / 26:1	-0.098684	0.023241	0.030815	0.006703	0.013586	0.011914	0.031442	-0.022844	0.017705	-0.0714
338	1002.9/266.4>DiHexCer: d18:0 / 26:1	-0.048033	0.003694	0.005691	0.043714	-0.027531	0.002626	0.030177	0.017318	-0.046262	-0.002826
339	1002.9/264.4>DiHexCer: d18:1 / 26:0	-0.097594	0.041068	-0.015018	0.032414	0.032641	-0.004476	0.06076	0.045574	-0.007573	-0.016444
340	1004.9/266.4>DiHexCer: d18:0 / 26:0	-0.022339	0.050051	-0.003707	0.020905	0.002626	0.027829	0.040192	0.02106	0.005104	0.00651

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1	-0.017531	-0.027408	0.024407	-0.003534	0.021833	-0.071983	0.040261	-0.009362	0.021492	0.0145	-0.023507	0.011981	0.022413	0.062705
2	-0.0383	0.003989	-0.017257	0.061125	0.015009	-0.030927	0.076012	-0.051392	0.057452	-0.042072	-0.013649	-0.013306	0.047099	0.084724
3	-0.118209	-0.01969	-0.035472	0.043304	-0.022766	-0.040468	0.052501	-0.050744	0.060586	-0.004656	0.021257	-0.031133	0.016434	0.034548
4	0.143481	-0.01189	0.052912	-0.126158	-0.018294	-0.002289	-0.009909	0.055012	0.025936	-0.007713	-0.015995	-0.036036	0.042803	-0.009327
5	0.036199	-0.118098	0.079282	0.104575	0.011152	0.040431	0.024923	-0.029905	0.030164	-0.033235	-0.040509	0.008506	0.026611	0.040146
6	-0.032861	0.027774	-0.050904	0.00208	0.031447	-0.016202	0.024074	-0.012797	0.060531	-0.002349	0.108874	-0.001905	0.024056	0.05387
7	-0.099361	0.01622	-0.011191	0.055015	0.018592	0.050615	-0.015016	-0.08026	0.066189	0.038563	0.076994	-0.022193	0.064489	0.062386
8	-0.040113	-0.047926	0.023417	0.088066	0.015794	0.01862	-0.057569	-0.086436	0.027663	0.047508	-0.092981	-0.112844	-0.003344	0.06087
9	0.14888	-0.031032	0.069736	-0.084577	-0.009724	0.018668	0.029356	0.046729	-0.017904	-0.026582	-0.016974	-0.05466	0.077047	-0.024373
10	-0.058609	0.026759	-0.03972	0.040293	-0.038974	0.056632	0.033396	-0.092089	0.006004	0.088098	0.051392	-0.062129	0.014951	0.109793
11	-0.0298	-0.087762	0.006976	0.047218	0.043973	0.019863	0.098348	-0.094384	0.040403	0.043781	-0.073442	-0.036435	-0.079163	0.107193
12	-0.006404	0.052416	0.009645	-0.051274	0.054522	0.003476	-0.03365	-0.009443	-0.003317	0.114518	-0.017206	0.137295	0.054467	0.031019
13	-0.066666	-0.015096	0.042396	-0.014024	0.004309	0.017609	-0.006016	0.00826	0.010112	0.005658	0.00954	-0.029475	0.009308	-0.004329
14	-0.071837	-0.048868	0.046524	-0.006085	0.014357	0.010371	0.000337	0.004681	0.003591	0.02383	0.002497	-0.035597	-0.00195	-0.005085
15	-0.072593	0.00168	0.012728	0.055135	0.014088	-0.06692	0.011379	0.027143	0.017595	-0.01723	-0.050127	-0.004586	-0.03018	0.007194
16	0.009892	-0.013078	0.092684	0.045359	-0.005536	-0.071019	-0.027349	-0.163244	-0.118841	0.012767	0.011765	0.089795	0.023296	0.110142
17	-0.018793	0.011054	-0.013677	-0.075198	0.011443	-0.031833	0.022616	0.074165	0.008416	-0.080927	0.050637	0.050966	0.064166	-0.026258
18	-0.058107	-0.054881	0.079642	0.107442	0.034917	-0.060554	-0.050821	-0.09222	-0.105151	-0.076685	-0.071659	0.086648	0.062895	-0.140573
19	-0.100825	-0.011928	-0.039908	0.061947	0.098455	-0.079101	0.079232	-0.079697	-0.014643	-0.078325	0.023776	-0.046205	0.046291	0.048347
20	-0.042207	0.022788	-0.013308	0.041543	0.023489	0.003387	-0.00584	0.036307	0.001553	0.003151	-0.00725	-0.004522	-0.017738	-0.006341
21	-0.032216	0.030376	-0.0064	0.015974	0.03899	-0.04636	0.08762	-0.058439	0.071747	-0.034651	0.033737	-0.023215	0.080723	0.059506
22	-0.066653	0.024556	-0.000952	0.095534	0.012886	0.02485	0.011314	0.013172	0.029861	-0.066821	-0.001186	0.010619	0.016171	0.033551
23	-0.078606	0.03617	0.00402	0.022361	0.04323	-0.144385	0.007544	-0.107877	0.072972	0.017086	-0.068539	-0.006464	0.028036	0.001022
24	-0.080271	-0.021289	-0.000268	0.05211	0.037459	-0.086409	0.063737	-0.05637	0.060019	-0.066308	-0.025174	-0.003263	0.092703	0.009135
25	-0.014287	-0.027619	-0.029747	0.031326	0.04099	-0.043816	0.007167	-0.051967	0.008138	-0.021806	-0.021336	-0.04791	0.036139	0.059261
26	-0.037943	0.025372	-0.022785	0.039965	0.020789	0.003362	-0.003205	0.033018	0.000345	0.002537	-0.013696	-0.007391	-0.021522	-0.008441
27	-0.020004	0.039523	-0.022895	0.039313	0.018308	0.005156	-0.009477	0.03937	-0.00552	0.006861	-0.013286	0.004265	-0.024961	-0.000473
28	0.062319	0.019768	0.004471	-0.002618	0.025945	0.001353	0.001096	0.066231	0.0123	-0.020157	-0.014685	-0.038884	0.024143	0.010472
29	-0.042938	0.034913	-0.027542	0.037291	-0.001995	-0.022141	0.002903	-0.001354	0.06247	0.006242	0.016015	0.01782	0.036093	0.036541
30	0.065249	0.011733	-0.021494	0.003716	0.014195	0.035271	-0.01289	0.047002	0.038143	0.041415	0.06648	0.011999	-0.028298	-0.021703
31	0.017868	0.026596	-0.01584	-0.004625	0.021525	0.006635	-0.013485	-0.006483	0.009311	0.048376	-0.003157	0.015662	0.037082	0.023634
32	-0.027506	0.046655	-0.018283	0.015011	0.02833	-0.030826	-0.035561	0.012945	-0.070955	-0.034847	0.043952	0.025914	0.03902	0.021825
33	-0.034412	-0.00735	-0.024067	0.038265	0.014562	-0.00253	-0.031117	0.039291	-0.009211	-0.018703	-0.035978	0.024135	-0.050325	-0.003862
34	0.030282	0.034979	-0.035734	0.060847	0.047833	0.028789	-0.00742	0.050005	-0.01253	-0.012129	-0.017897	-0.023357	-0.01239	-0.047027
35	0.020901	-0.112867	0.042094	-0.008309	-0.017263	0.065853	-0.038456	-0.023578	0.001917	0.020574	-0.032973	-0.002793	-0.045524	-0.071939
36	-0.044662	-0.026491	0.002115	0.00774	0.006389	0.017311	0.03676	-0.002142	0.039004	-0.015187	0.001076	0.005776	-0.035899	-0.080081
37	-0.018651	0.019036	-0.02327	0.032202	0.028289	0.001996	-0.027444	0.043353	0.008064	-0.014861	0.001186	-0.009164	-0.004346	-0.041302
38	-0.144271	0.048819	0.030722	0.034539	0.08098	-0.016753	-0.031989	0.067019	0.075935	-0.003995	-0.031199	-0.012989	-0.01036	0.003023
39	-0.013736	-0.144917	-0.13641	0.003327	0.026885	-0.059409	-0.003552	-0.011001	-0.005712	0.039841	0.016092	0.056329	0.049052	0.02897
40	0.079111	-0.010532	-0.075581	0.027116	0.050522	-0.00407	-0.020729	0.060513	-0.034529	-0.002773	-0.012567	0.069162	-0.086052	-0.042226
41	0.111772	-0.012577	-0.100012	0.038234	0.072135	-0.006648	0.017985	0.033867	-0.025019	-0.01737	-0.00741	0.029417	-0.03436	-0.047393

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
42	0.032339	-0.130265	-0.103103	0.001202	0.104601	-0.028856	0.028352	-0.021053	-0.090022	-0.030182	0.022014	0.036463	-0.012977	-0.021354
43	0.094103	0.006144	-0.093511	0.022346	0.052131	0.033847	-0.024917	0.05078	-0.013617	0.023615	0.011352	0.024857	-0.09256	-0.04519
44	0.100485	0.007415	-0.075138	0.033337	0.0453	0.005947	-0.056386	0.065278	0.016568	-0.051695	-0.091584	0.03036	-0.083251	-0.039193
45	0.076369	0.006012	-0.104424	0.022217	0.001168	0.07385	-0.03827	0.027906	-0.076571	0.030913	-0.004906	0.01934	-0.074218	0.003296
46	0.064096	-0.033778	-0.118099	-0.015875	-0.020772	0.049259	-0.037585	0.03941	-0.057471	-0.038121	-0.111572	0.01734	-0.02944	-0.018921
47	-0.106139	-0.100197	-0.13339	-0.010424	-0.111613	-0.062815	-0.024402	0.03952	0.045076	-0.017732	0.058691	-0.026372	0.036366	0.018275
48	-0.040265	-0.166433	-0.154341	0.03876	-0.059379	-0.060791	-0.095868	0.042847	0.004529	-0.002939	-0.006084	-0.066664	0.202688	0.055892
49	0.06324	0.010018	-0.027028	0.008028	0.009868	0.038821	-0.02886	0.050284	0.053228	0.039368	0.079582	0.002509	-0.017661	-0.03622
50	0.002795	-0.038366	-0.053829	0.03776	0.062617	-0.06757	0.06247	0.014719	-0.051643	-0.011338	-0.006116	-0.009682	0.006648	0.047465
51	-0.124982	-0.077569	-0.101455	-0.051217	-0.046668	-0.018892	0.021504	-0.030372	0.020444	-0.044509	0.014242	0.034073	-0.05542	-0.002629
52	0.051037	-0.021399	-0.067154	0.076257	0.045017	-0.073784	-0.031357	0.048418	-0.027681	-0.057573	-0.008822	0.018789	0.054101	0.068178
53	-0.11134	-0.07816	-0.065353	-0.042152	-0.036319	-0.004427	-0.020446	0.006931	-0.003484	-0.066269	0.005417	0.024696	-0.055163	0.009435
54	-0.018596	-0.108229	-0.114521	0.021742	0.039975	-0.063303	-0.093913	-0.024892	0.02516	-0.012239	-0.041865	-0.055502	0.060129	0.027619
55	-0.054001	-0.014341	-0.013305	-0.00513	-0.001043	-0.000014	0.004768	0.018838	-0.012848	-0.026046	-0.021445	0.016531	-0.000811	0.026
56	0.080065	0.023892	-0.025317	0.008534	0.01689	0.042596	-0.032129	0.035299	0.054266	0.088567	0.058311	-0.022679	-0.05032	-0.046314
57	0.026034	-0.007567	0.01408	0.022851	0.124889	-0.026063	-0.049982	0.024085	0.054408	-0.05064	0.013859	-0.012845	0.074414	0.04705
58	0.000955	-0.032732	-0.014075	0.008362	-0.016106	-0.056747	-0.037832	0.01124	0.003588	-0.037352	-0.012915	0.006252	-0.058898	-0.103045
59	0.14435	0.019441	-0.077073	0.014022	0.11791	0.019847	-0.107753	0.006735	0.173175	-0.103034	-0.072405	0.012656	-0.002312	0.039914
60	0.063392	0.014826	0.011472	0.015509	0.015831	-0.012073	0.038641	-0.045482	-0.027439	0.017419	-0.004124	-0.013419	0.076923	-0.007904
61	0.15055	0.057837	-0.100033	0.027566	0.06439	-0.006662	-0.029733	0.002986	0.053697	0.017685	-0.040076	-0.012829	0.000105	-0.014939
62	-0.074245	-0.027587	-0.05007	-0.079412	-0.062351	-0.012222	-0.025516	-0.059241	0.003703	-0.004512	0.015763	-0.016503	-0.001933	-0.115097
63	0.045067	-0.000977	-0.130488	0.026658	0.052682	-0.005765	-0.072946	0.004573	0.030721	0.042653	-0.017361	-0.015317	0.008475	0.017073
64	0.088908	0.028774	-0.032506	0.004223	0.018271	0.041388	-0.026431	0.006308	0.04363	0.056881	0.088898	-0.0125	-0.038107	-0.053667
65	0.038461	0.046128	0.035436	0.00766	0.124875	0.015164	-0.070504	-0.019421	0.043584	0.016818	0.00598	-0.032139	0.099347	-0.023812
66	0.139272	0.093349	-0.037859	0.019331	0.055579	0.034077	-0.11641	0.033975	0.112647	-0.056891	-0.060656	-0.02499	-0.017421	-0.017212
67	0.09211	0.044011	-0.077219	0.022094	-0.036152	0.088403	-0.111134	0.013389	-0.038037	0.07586	-0.079656	-0.010467	-0.070072	0.059378
68	-0.022375	-0.006685	-0.016239	0.03309	0.056027	0.006755	-0.062242	0.103771	-0.050799	0.059021	-0.178028	-0.063636	-0.057956	0.000342
69	-0.07407	-0.044843	0.068113	-0.016359	0.00217	0.017926	-0.00944	-0.001708	-0.008773	0.005126	-0.001461	-0.016383	-0.002219	0.010161
70	-0.0753	-0.045308	0.084397	-0.015985	-0.005695	0.024805	0.009484	-0.010609	0.00812	0.02373	0.017567	-0.019296	-0.001215	0.019428
71	0.057324	-0.019525	0.022348	-0.116918	-0.007648	0.02446	-0.00174	-0.066749	-0.013977	0.001732	0.020354	0.043618	0.061757	0.015484
72	0.079291	-0.040268	0.02147	-0.173077	-0.030238	-0.006055	-0.038808	-0.103987	-0.004046	0.064455	0.070677	0.052921	0.064122	0.074049
73	0.087052	-0.067157	0.034684	-0.178817	-0.067592	-0.023901	-0.049556	-0.085067	-0.001932	0.025777	0.063486	0.04648	0.004167	0.122913
74	-0.024105	0.042524	-0.056747	-0.091345	0.124434	-0.047666	0.084518	-0.092345	0.018914	-0.024717	-0.030031	0.056118	-0.018221	0.009307
75	-0.071744	-0.047993	0.073899	-0.02475	-0.001506	0.018876	0.009339	0.000528	-0.015451	0.00836	0.009904	-0.0269	0.011692	0.012342
76	-0.07492	-0.051734	0.069961	-0.033643	-0.002758	0.026037	0.010146	0.008801	-0.027959	-0.001083	0.018251	-0.03591	0.01007	0.013628
77	-0.071966	-0.049561	0.075554	-0.027936	-0.000372	0.020175	0.008681	0.00163	-0.021357	0.007987	0.014695	-0.025221	0.014086	0.01571
78	-0.071092	-0.048916	0.077378	-0.027086	-0.000299	0.020499	0.003651	0.003027	-0.023276	0.010512	0.014285	-0.023839	0.015469	0.01714
79	-0.073738	-0.041368	0.08058	-0.020733	0.002873	0.018232	0.011896	0.001593	-0.029009	0.010729	0.009844	-0.02453	0.009865	0.016045
80	-0.048778	0.072186	-0.021572	0.036611	-0.102746	0.032766	0.000578	-0.147958	0.043286	0.069116	0.031372	-0.024213	0.006928	0.013446
81	-0.036837	-0.020349	0.004669	-0.074441	-0.0181	-0.019571	-0.030033	0.006909	-0.043571	-0.078022	0.076571	0.052894	0.043037	-0.001946
82	-0.005909	0.018066	-0.011661	-0.009771	0.008105	-0.003992	-0.013714	0.017942	-0.020527	0.014794	-0.007892	0.015704	-0.012377	0.004807

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
83	-0.004016	0.032106	-0.018437	0.013993	0.009459	0.001332	-0.018143	0.033074	-0.014305	0.011063	-0.011058	0.01578	-0.015196	0.006818
84	-0.012587	0.034985	-0.019777	0.022282	0.015233	0.005807	-0.012615	0.035398	-0.010915	0.009929	-0.011628	0.010831	-0.018362	0.010938
85	0.072448	-0.026504	-0.000635	-0.111719	-0.058966	-0.040162	-0.081452	-0.089803	0.022237	0.050382	0.055129	0.058409	0.060325	0.057834
86	0.107145	-0.046521	0.009843	-0.173082	-0.046728	-0.034747	-0.058047	-0.074119	-0.025951	0.078884	0.033298	0.053936	0.063974	0.055772
87	0.04685	0.006649	0.003582	-0.09004	-0.030569	-0.019264	-0.042978	-0.041187	-0.01276	0.053189	0.03413	0.05566	0.073062	0.022964
88	-0.010393	0.038727	-0.020167	0.026092	0.008659	-0.000387	-0.015301	0.025372	-0.011638	0.013112	-0.013538	0.013702	-0.018733	0.007535
89	-0.018511	0.041114	-0.024541	0.044312	0.015226	0.004105	-0.011481	0.04152	-0.010174	-0.000111	-0.019831	0.006306	-0.024649	-0.001444
90	-0.01325	0.0363	-0.018422	0.037057	0.01412	0.004063	-0.01271	0.039495	-0.008304	0.008333	-0.015058	0.0017	-0.021321	-0.003186
91	-0.01553	0.027037	-0.028787	0.017101	0.015125	0.003212	-0.008914	0.022144	-0.005157	0.009428	0.001847	0.002819	-0.009263	0.001539
92	0.00578	-0.002018	-0.003107	-0.055996	-0.004251	-0.005462	-0.004107	-0.03027	-0.024417	0.065909	0.010482	0.029129	0.056573	0.042163
93	0.023523	0.021172	-0.009781	-0.008437	-0.009397	-0.006919	-0.033091	0.003828	-0.022598	0.023813	-0.000092	0.025432	-0.001228	0.015632
94	-0.014135	0.031657	-0.029983	0.02833	-0.004417	0.003464	-0.047698	0.00318	0.000969	-0.020074	-0.008371	-0.033087	0.013609	-0.003432
95	0.023484	-0.121448	0.056133	-0.052041	-0.046971	-0.037435	-0.06075	0.069521	-0.01818	0.001851	-0.105615	0.012709	0.023536	0.052092
96	-0.086146	-0.071334	0.002667	0.06497	0.016087	-0.071591	0.06476	0.068409	0.02614	0.07254	0.048016	-0.066057	0.021341	0.106854
97	-0.030622	-0.037811	0.007833	-0.001471	0.035221	-0.132839	-0.129507	-0.000113	-0.007039	0.001928	0.016809	0.001202	0.015105	-0.017551
98	-0.041426	0.077235	-0.015605	-0.007892	-0.09865	-0.013874	-0.016224	-0.027098	0.037995	-0.035467	0.02189	-0.053052	0.047374	0.035282
99	-0.020588	-0.059317	0.054435	0.052734	0.011406	-0.105141	-0.048036	-0.001956	-0.005405	-0.001416	-0.033715	-0.021197	-0.065381	-0.012822
100	-0.025794	0.003407	-0.01065	-0.024157	-0.056038	-0.089601	0.019021	-0.031649	0.01837	-0.012649	0.005613	-0.017354	0.094794	0.041764
101	-0.018127	0.114483	-0.040846	-0.012694	-0.099371	0.00743	-0.0269	-0.054427	0.051583	-0.017988	0.036497	-0.05237	-0.003426	0.036374
102	-0.009754	-0.122965	0.028363	-0.008789	-0.041878	-0.211737	0.045997	0.065344	0.037859	0.062902	-0.040159	0.065464	0.105719	-0.012328
103	-0.004803	-0.051981	0.039726	-0.011352	-0.063944	-0.112969	0.005292	0.115639	0.023275	-0.092947	-0.030273	0.058715	0.123191	0.024847
104	0.044108	-0.047505	0.01021	-0.031883	0.038316	-0.073639	-0.054518	0.03048	0.027698	-0.048612	0.005906	0.134213	-0.039546	0.084676
105	-0.028913	0.003656	0.042971	0.031908	0.113162	0.083473	0.047178	-0.042596	-0.038503	-0.090756	0.059242	0.004495	0.086499	-0.065428
106	0.016072	0.013436	0.036654	-0.008427	-0.052682	0.003701	0.037684	-0.019685	0.021179	-0.040442	-0.018565	0.021923	0.018603	0.024766
107	-0.007889	-0.004597	0.020829	-0.013825	-0.037834	-0.056782	0.041778	-0.047233	0.075772	-0.011135	-0.024085	0.059783	-0.025809	0.025255
108	-0.042671	-0.012502	0.044577	-0.005671	-0.005851	-0.024411	0.043687	-0.040975	0.060529	-0.02585	0.013918	0.057664	-0.075938	0.048096
109	-0.017564	-0.010376	0.062069	-0.008722	-0.017722	0.022438	-0.003734	-0.049374	0.013882	-0.089422	-0.062607	0.035973	0.019321	-0.035508
110	0.015221	0.02114	0.027842	0.034055	-0.049396	0.065947	-0.027001	-0.047703	0.008537	-0.037248	-0.015774	0.033556	0.07688	0.067438
111	-0.000267	-0.030824	0.057211	0.010229	-0.005834	-0.016899	-0.022723	-0.025212	-0.019879	-0.07857	0.037248	0.08728	-0.015796	-0.032536
112	0.032163	-0.037476	0.066594	0.018327	0.015414	0.005844	0.069371	-0.012562	0.069937	-0.050752	-0.021005	0.055972	0.08033	0.02205
113	-0.012319	-0.028445	0.065295	0.012922	-0.009766	-0.014765	0.037598	0.014662	0.085905	-0.01007	0.022568	0.071656	-0.009744	-0.001038
114	-0.008229	-0.007827	0.032183	0.013628	0.061321	0.056334	0.086206	-0.013652	0.005354	0.040468	0.049518	0.041958	0.038395	0.025555
115	0.037905	-0.018409	0.06296	0.007933	0.009627	-0.003597	0.051631	0.000364	0.023813	-0.001638	0.008235	0.055625	-0.053641	0.021368
116	-0.001631	0.039949	-0.004394	-0.040138	-0.031014	0.070109	0.050223	-0.046521	0.064062	0.011676	0.01964	0.009085	-0.02708	-0.035142
117	-0.090303	-0.112003	0.02204	0.085743	-0.022259	0.039958	0.022891	0.018254	-0.023032	0.152011	0.010487	0.024942	0.049517	-0.076538
118	-0.012228	-0.063416	0.054034	-0.002702	-0.075405	0.0088	-0.028713	0.037139	0.027027	0.040259	-0.051266	-0.056025	-0.028081	-0.10881
119	-0.038124	-0.030048	0.090168	-0.065845	0.098502	0.053534	0.001989	-0.079658	0.026044	-0.033984	-0.041075	-0.103079	-0.004323	0.034631
120	-0.05951	-0.13192	-0.029916	0.051657	-0.010713	0.013396	0.021441	0.042531	0.000659	0.09499	0.010419	-0.007058	0.08934	-0.019209
121	-0.077616	-0.113532	0.002305	0.062018	-0.048969	0.000877	-0.042443	-0.025176	-0.000286	0.094577	-0.011782	0.031284	0.117592	-0.056618
122	0.08246	-0.031376	0.081743	-0.013749	-0.053467	0.012084	0.007116	0.037603	0.050122	-0.055153	-0.080088	-0.015479	-0.019676	-0.001081
123	0.082964	-0.06562	0.093337	-0.053434	-0.052344	0.020897	-0.038638	-0.016928	0.039891	-0.072315	-0.055995	-0.049735	-0.065441	-0.036833

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
124	-0.021113	0.017462	0.060375	0.007101	0.07926	-0.00943	-0.026806	-0.112757	0.05951	-0.031656	-0.067099	-0.125335	0.012857	-0.035495
125	0.004178	-0.074885	0.042606	0.127138	-0.017593	0.029996	0.001027	0.051817	0.035946	0.067063	0.090331	0.055495	-0.07615	-0.049473
126	0.113561	-0.077394	0.112618	-0.046202	-0.055434	0.059634	-0.054999	0.02163	0.021905	0.014433	0.021108	0.019375	-0.10591	-0.05531
127	0.078064	-0.092802	0.094871	-0.049582	-0.058772	0.080687	-0.043561	0.027149	-0.02475	0.024195	0.026817	0.004746	-0.116707	-0.013754
128	0.029831	-0.015462	-0.039798	-0.057525	0.071205	0.13066	0.094737	0.07605	0.02626	0.010132	-0.056399	0.08117	0.028038	0.068399
129	-0.014781	-0.051755	0.038802	0.135256	-0.027242	0.057124	-0.08033	0.098017	-0.024587	-0.028921	0.06785	-0.189078	0.051396	0.057031
130	0.043096	-0.078862	-0.027245	0.075434	-0.039534	0.093451	-0.001982	-0.028545	0.074932	0.080931	0.044924	0.08085	0.032817	0.049772
131	-0.011609	-0.057374	0.064527	0.189734	-0.050883	0.131787	-0.095712	-0.046501	-0.028367	0.043548	0.11002	0.117386	0.17314	-0.084932
132	-0.002671	-0.045073	-0.05656	-0.064922	0.020825	0.043716	0.058311	0.020247	0.080445	0.046781	0.035001	0.048321	0.020651	0.056405
133	-0.087606	0.129194	0.023306	-0.000052	0.03705	0.105681	-0.041706	0.004998	0.013977	-0.042313	-0.121541	0.059928	-0.001816	-0.029611
134	-0.027809	0.004432	0.068577	0.130805	-0.076292	0.042562	0.005858	0.024255	0.001971	0.029825	-0.043455	0.055562	-0.044757	-0.038958
135	0.004362	0.032604	-0.033832	-0.05573	0.035955	-0.003196	0.015737	0.007097	0.010668	-0.042221	-0.000397	-0.006262	-0.019883	0.005634
136	-0.011078	0.046541	0.016275	0.024482	0.005091	0.030028	0.04401	-0.082651	0.090499	-0.009862	-0.055218	-0.073049	-0.023367	0.046629
137	-0.001793	-0.057837	0.009321	0.066546	-0.056645	0.053618	0.070599	-0.006269	0.08127	-0.053856	0.028669	0.013206	0.008849	0.040797
138	-0.015138	0.040473	0.11852	0.017168	-0.02111	0.049049	-0.032441	0.04785	-0.059424	-0.028852	0.06859	0.076897	0.039771	-0.037779
139	-0.055516	0.090988	0.03123	-0.150124	0.039068	0.042928	-0.004673	0.057398	-0.045258	0.039567	-0.033672	-0.116411	-0.027869	0.031823
140	0.043023	-0.080067	-0.013953	0.09804	-0.048051	0.053752	-0.016075	-0.102155	-0.003543	-0.029875	-0.203493	0.081733	-0.025462	-0.056611
141	0.058539	-0.013036	-0.059686	-0.034178	-0.00855	0.04865	0.072099	0.045264	-0.027842	-0.032803	-0.058607	0.081542	0.017738	-0.052269
142	0.014542	0.035606	0.051179	-0.021609	0.051569	0.002898	0.034165	-0.020933	0.115048	0.006171	0.007912	-0.106254	-0.023833	-0.012201
143	0.003521	0.064633	-0.027415	-0.030718	0.02144	-0.0664	0.002328	-0.024058	0.052992	-0.11078	-0.0749	-0.060019	0.041685	-0.021025
144	0.024178	0.072825	0.02403	0.052034	0.025485	-0.050877	0.01882	-0.087969	0.061638	-0.059536	-0.08281	-0.127521	-0.053867	-0.050313
145	0.002047	0.089699	0.029237	-0.029477	-0.017056	0.031009	0.0065	-0.05343	0.077758	-0.108615	-0.001431	-0.006463	-0.036397	-0.0073
146	-0.049862	0.07256	0.008398	-0.016225	0.018233	0.046764	0.008509	0.072958	0.023436	0.034173	0.037811	0.042551	-0.066676	-0.026732
147	-0.037479	0.027473	0.088243	0.056325	-0.046834	0.05021	-0.011905	0.031933	0.019537	0.093487	-0.014953	0.01932	-0.083721	0.021195
148	0.012546	-0.02141	0.00284	0.004289	-0.004137	0.135171	-0.043258	0.03134	0.039293	-0.07269	-0.123364	0.110085	-0.001337	0.174885
149	0.030889	-0.032797	-0.081633	-0.046781	0.033173	0.03351	0.010638	0.000837	-0.006522	-0.038124	-0.018258	0.079538	0.042502	0.015513
150	0.016092	-0.096092	-0.049137	0.031588	0.043015	0.016588	0.046588	0.047533	0.000273	0.031678	0.003881	0.030592	0.038083	-0.004342
151	0.045001	-0.122539	0.078546	0.178685	-0.045429	-0.025602	0.025092	-0.103246	0.073323	-0.02477	0.028	0.083916	-0.160948	0.167146
152	-0.000949	0.006519	0.03573	-0.061992	0.05144	0.040377	0.018983	-0.03429	0.016963	0.030634	0.074916	-0.055136	-0.01913	0.070352
153	0.028758	0.056311	0.027222	-0.121023	0.036316	-0.003214	-0.013346	-0.038095	0.06209	-0.011051	0.01776	-0.076221	-0.007242	0.038054
154	0.081149	0.053651	0.058927	-0.02882	0.054048	-0.010637	-0.022105	-0.033414	0.083629	-0.00401	0.095172	-0.078671	-0.023897	-0.026786
155	0.041239	0.039392	0.075292	0.017198	0.034439	0.047813	-0.024786	0.008501	0.100016	0.036792	0.116009	-0.027587	-0.033714	-0.046428
156	0.075227	-0.094229	0.015551	0.010473	0.02943	0.053836	0.021389	0.000362	0.10062	0.058006	0.068795	0.02695	-0.081748	0.012984
157	0.014737	-0.038645	-0.032187	0.00026	0.018779	-0.038836	-0.016586	0.048865	-0.015398	-0.043543	-0.007436	-0.105185	-0.069296	-0.021751
158	0.012541	-0.042363	0.142897	0.136398	-0.039576	0.081054	-0.012678	-0.04948	-0.0367	-0.002008	0.040992	-0.057201	-0.142972	-0.035641
159	0.030915	-0.064262	0.043385	0.003628	0.071268	0.083379	0.089365	-0.002767	-0.039514	-0.067186	-0.107845	-0.167889	0.107997	0.0566
160	0.024343	-0.06163	0.017706	-0.097916	0.085409	0.022564	0.030671	-0.07677	-0.074848	0.052153	-0.120002	-0.129284	0.067167	-0.107388
161	-0.013192	-0.039282	-0.043692	-0.063179	0.100947	0.122706	0.159689	0.035896	-0.030291	0.091948	0.02142	0.118334	-0.008819	0.028385
162	-0.007942	-0.016125	-0.044144	-0.064	0.00276	-0.031655	0.034673	-0.057949	0.048835	0.004206	-0.07228	-0.100933	0.00512	0.074956
163	0.029902	-0.011851	-0.036337	-0.071937	0.070126	0.013863	0.026581	0.009159	0.010498	0.029021	0.063738	-0.040676	-0.010477	0.095341
164	-0.025705	-0.004168	0.100198	0.108173	0.038409	0.034226	-0.078588	-0.06538	0.007124	-0.037385	0.131934	-0.094584	-0.040705	0.029174

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
165	0.005339	0.021558	0.066279	0.046599	0.099246	0.030834	-0.043351	0.013064	0.013853	-0.063747	0.039429	0.02626	0.024816	0.021046
166	-0.0026	-0.012626	0.061117	0.083996	0.092995	-0.006928	-0.062634	-0.254353	0.023546	0.035519	-0.082449	-0.051191	0.067406	-0.084109
167	0.037573	-0.005011	-0.067861	-0.050134	0.097555	-0.034133	0.019625	-0.080337	0.007615	0.038969	-0.004999	0.015349	0.008197	-0.03557
168	-0.140602	0.010978	-0.013049	0.011292	-0.056148	-0.027124	0.027705	0.090856	-0.060363	0.036211	0.079237	-0.063911	-0.060377	0.048593
169	-0.105699	0.079553	-0.057701	0.037513	-0.050545	0.109472	-0.042999	-0.002422	-0.024045	0.015785	0.042607	-0.064898	0.02927	-0.009039
170	-0.076544	0.115036	-0.073938	0.044572	-0.051275	0.149613	-0.00084	-0.050006	-0.001342	0.070243	0.059109	-0.034945	0.024925	0.002075
171	-0.092484	0.062807	-0.031576	0.008429	-0.060755	0.088011	-0.006402	-0.016096	-0.022787	-0.004355	-0.018772	-0.046758	-0.000778	-0.007793
172	-0.075608	0.015243	0.058232	0.01383	0.041825	0.00125	-0.066338	0.012789	-0.038222	0.010966	-0.052743	0.00299	0.048645	0.001182
173	-0.019223	0.030094	0.058918	-0.065957	-0.005406	0.004617	-0.020185	0.031301	-0.03882	0.020454	-0.055695	0.077287	0.012629	0.003719
174	-0.066145	0.048498	0.023124	-0.006538	-0.02625	-0.062675	-0.030164	0.051054	-0.000202	0.062665	0.014388	0.064751	0.00664	-0.009229
175	-0.065589	0.010145	0.028744	-0.040403	-0.016413	-0.026557	0.011321	0.010179	-0.034562	0.107551	-0.020152	0.113099	0.022463	-0.04175
176	-0.093132	-0.008161	0.007178	0.040011	0.05823	-0.032952	-0.047367	-0.015738	-0.008239	-0.000035	-0.100678	-0.050476	0.018571	-0.047846
177	-0.055319	-0.025853	0.032616	0.012247	0.090567	0.000756	0.056883	0.073888	-0.161499	-0.031123	0.0692	-0.148083	-0.1823	-0.003863
178	-0.033541	0.071613	0.049431	0.007921	-0.079903	-0.016135	-0.025344	-0.010664	0.035105	-0.123794	-0.019156	-0.037003	0.072451	0.062951
179	-0.029038	0.089368	0.033548	0.005895	-0.119402	0.015688	0.03625	-0.026069	0.014168	0.007444	-0.006561	-0.022072	-0.010484	0.036865
180	-0.006904	0.103929	0.028348	0.005982	-0.103527	0.018804	0.021874	-0.036962	0.053443	0.014319	-0.00158	-0.005294	0.010589	0.021934
181	-0.002408	0.111887	0.02281	0.006564	-0.101335	0.023467	0.031635	-0.049758	0.056419	0.016698	0.000095	-0.009633	0.008141	0.026279
182	0.006058	0.114086	0.044267	0.003081	-0.069648	0.014756	0.07036	-0.052503	0.009055	0.043011	-0.014564	0.013503	0.017188	0.038127
183	-0.008922	0.054718	0.09171	0.004923	-0.09993	0.002446	0.088889	0.008342	-0.026764	0.001052	-0.036888	0.006586	-0.01573	0.014329
184	-0.020105	-0.01651	0.088422	0.016129	-0.079249	-0.066314	0.042041	0.07654	-0.0174	-0.054492	-0.037046	-0.025367	-0.065327	-0.003389
185	0.016335	0.003088	0.147444	0.018325	-0.06256	-0.091469	0.000897	-0.003205	0.089187	-0.020832	0.026524	-0.001064	-0.007381	-0.042145
186	-0.012043	0.02513	0.170225	-0.005897	-0.015262	-0.102108	0.039972	0.016527	0.027467	0.070809	-0.056743	0.066517	0.065977	-0.047355
187	0.036642	0.032725	0.116632	0.014928	0.027069	-0.070412	0.049406	0.055385	-0.011062	0.074391	-0.058797	0.080729	0.02718	-0.02189
188	0.008564	0.051057	0.094596	0.026655	0.006388	-0.132561	0.024356	0.062	0.002907	0.074784	-0.002663	0.088654	0.029786	-0.033935
189	-0.024168	0.036857	0.079278	0.007136	-0.066188	-0.141846	-0.022859	0.076439	-0.025992	0.072591	0.021073	0.056722	0.010662	-0.060297
190	-0.008697	0.049833	-0.011989	-0.010798	-0.007832	0.005712	-0.028897	-0.079881	-0.067053	-0.010886	0.029151	0.011384	0.008027	-0.0245
191	0.026859	0.039877	-0.046891	0.003163	-0.030554	0.022266	0.002211	-0.039449	-0.06182	0.014588	0.024203	0.000417	-0.007868	-0.030064
192	-0.014842	-0.03234	0.077331	-0.00838	-0.028185	-0.003922	0.086043	0.03343	-0.129491	0.096553	0.003218	-0.005673	-0.037143	-0.001422
193	-0.0228	0.026837	0.097283	-0.02096	-0.012816	-0.040284	0.059457	0.035689	-0.108756	0.060386	-0.051599	0.044433	0.019447	0.010289
194	-0.037471	0.01984	0.12476	-0.027921	0.004191	-0.105129	0.013478	0.009877	-0.043318	0.089132	-0.10368	0.088832	0.012612	-0.012754
195	-0.004161	0.019322	0.080181	-0.000946	0.080163	-0.006929	-0.076023	-0.046444	0.003627	0.048078	-0.10089	0.066417	-0.024311	0.057409
196	-0.01282	0.046453	0.034008	-0.007766	0.003937	-0.01045	-0.077825	-0.047035	0.007081	0.044188	-0.041159	0.049792	-0.047788	0.030757
197	0.040029	0.056239	-0.014186	0.003621	-0.004817	0.03959	-0.004413	-0.034258	-0.050214	0.029734	0.044445	0.063839	0.018888	-0.031214
198	-0.004891	-0.008252	0.146508	0.031597	0.068383	-0.006712	-0.038054	0.011841	0.026364	0.094596	-0.052607	0.047738	0.034128	0.112481
199	0.004346	-0.082614	0.008125	-0.09732	0.03029	-0.031826	0.003943	-0.04044	0.006871	-0.094304	-0.040253	0.117257	-0.14798	0.108182
200	0.005193	-0.003453	0.121906	0.011853	0.102541	0.009338	-0.038564	-0.02639	0.050994	0.055171	-0.057296	0.0202	0.031162	0.091519
201	-0.015323	0.05213	-0.039029	-0.059007	0.034087	-0.014846	0.023202	0.058613	-0.109152	-0.017014	-0.073148	-0.126884	0.005973	-0.087926
202	0.001226	-0.001272	0.128089	0.04074	0.087611	0.038768	-0.059222	0.03242	0.003282	0.051029	-0.03048	0.032877	0.0668	0.151501
203	0.051459	0.006902	0.057215	0.006931	0.056094	0.145141	0.056889	0.025062	-0.090819	-0.00358	0.063014	-0.011378	0.071558	0.033669
204	0.006125	0.029134	0.006425	-0.057792	0.040267	0.037067	0.012625	0.021193	-0.060701	-0.100754	0.140149	0.080718	0.142885	0.000162
205	-0.024745	-0.066347	-0.005574	0.013112	0.084191	-0.010747	0.05596	-0.020513	0.021658	-0.127356	0.009958	0.065893	-0.220603	0.160952

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
206	-0.0139	-0.021613	0.010577	0.080046	-0.00595	0.028899	-0.134881	0.074626	-0.123183	-0.278725	0.238506	-0.000013	0.074737	-0.007498
207	-0.01697	-0.009982	0.065019	0.065537	-0.040165	0.110107	-0.083338	0.044554	-0.118986	-0.113114	0.037999	0.11397	0.099377	-0.028496
208	0.039868	0.012651	0.103923	0.134084	0.031329	0.097984	-0.047582	0.036537	-0.065114	-0.004254	0.127256	-0.13559	0.091751	-0.030349
209	-0.027653	0.019079	0.10099	0.051839	0.059545	0.020631	0.072812	-0.095552	-0.012981	0.030911	-0.100793	0.105466	-0.057074	0.100785
210	0.030587	-0.026283	0.086561	0.080963	-0.035715	0.112727	-0.006595	-0.029923	0.052486	-0.118828	0.123396	0.19164	-0.07585	0.128788
211	-0.031093	-0.00778	-0.044203	0.014485	0.016881	0.029072	-0.093956	-0.084219	-0.080417	-0.118206	0.023386	0.155914	0.058105	-0.057904
212	0.003174	0.060676	0.018781	-0.08852	0.022828	-0.062469	-0.057391	-0.095857	0.012046	0.162946	-0.00283	0.054828	0.024383	-0.065406
213	-0.059935	0.011403	0.031844	0.045029	-0.018803	0.008429	-0.052085	-0.002008	-0.053601	-0.226312	-0.010816	0.12009	0.091678	-0.028899
214	-0.055489	0.049046	0.041108	0.005497	-0.117839	-0.00671	-0.002265	0.019559	0.009363	-0.03005	-0.010775	-0.064814	-0.019624	0.01944
215	-0.049357	0.009916	0.11693	0.022859	-0.150154	-0.052602	-0.016649	-0.01064	0.043674	-0.031392	0.033873	-0.080757	-0.018553	-0.017358
216	-0.136985	-0.02392	-0.083129	-0.037916	-0.085242	-0.024864	0.017201	0.021194	0.069363	0.03122	0.041073	0.027829	-0.033007	-0.010709
217	-0.172105	0.033833	-0.008929	-0.005152	0.108506	0.006329	-0.028789	-0.06416	-0.049197	0.048606	0.017672	0.032583	-0.035458	0.084284
218	-0.014014	0.074706	-0.01715	-0.03426	-0.020718	0.009616	0.060293	-0.014464	-0.002029	-0.050896	-0.006885	0.018959	0.015141	0.026498
219	-0.15145	0.029098	-0.064514	-0.074987	-0.085492	0.038689	0.032371	-0.02929	0.049146	-0.038782	0.003057	0.013863	-0.046624	-0.013619
220	-0.090846	0.05379	-0.00966	-0.034078	0.065069	0.028628	-0.07426	-0.096539	0.000595	0.059673	0.069038	-0.034367	0.023609	-0.044692
221	-0.002422	0.04883	0.043063	-0.058678	0.035072	0.027291	-0.064894	0.015079	0.049375	-0.066637	-0.004011	0.04402	0.033662	0.012525
222	-0.065898	0.005842	-0.000434	-0.073406	-0.038407	0.067122	-0.034244	-0.020281	-0.098777	0.06089	0.000308	0.02037	-0.044591	0.08421
223	-0.067895	0.01266	-0.014552	-0.065204	-0.058316	0.04954	-0.055156	-0.022833	-0.059142	0.044896	-0.010888	0.029032	-0.024451	0.044893
224	0.006501	-0.060659	0.02677	-0.017174	-0.03243	-0.005179	-0.091985	0.123243	-0.080608	-0.043958	-0.065163	-0.073019	0.063888	0.115782
225	0.011938	-0.062913	0.036019	-0.01662	-0.041135	-0.001962	-0.087297	0.126848	-0.089072	-0.041101	-0.059586	-0.08301	0.058197	0.116992
226	-0.021379	-0.037664	0.039357	-0.015779	-0.015622	0.028039	0.006701	0.035041	0.048403	0.005831	-0.05152	-0.020258	-0.014488	-0.015759
227	-0.004039	-0.10404	0.027391	-0.012629	-0.098347	0.017085	-0.043156	0.137442	0.016243	-0.035663	-0.09017	-0.105835	0.07104	0.069794
228	-0.010433	-0.130355	0.037136	-0.111111	-0.009384	0.104458	-0.048244	0.081758	0.013953	0.005966	0.021062	-0.055933	0.016137	-0.001169
229	-0.040988	-0.03714	0.031164	0.031058	0.028245	-0.014158	0.023647	0.219749	0.064126	0.100976	-0.083377	-0.034979	0.034459	-0.032592
230	-0.076643	-0.041116	-0.063857	-0.01295	-0.095687	-0.0333	0.039734	0.085813	0.046464	0.017293	-0.014074	-0.028496	0.004945	-0.006612
231	-0.015647	-0.037858	-0.015581	-0.046433	-0.013882	0.112921	0.087432	-0.027298	0.050084	-0.051739	-0.032957	0.001732	0.052623	0.020823
232	-0.02834	-0.075982	0.034065	-0.057652	0.035944	0.053978	-0.071141	0.048872	-0.010271	0.070227	0.019674	-0.0166	-0.044288	-0.0194
233	0.029403	-0.065873	0.036367	-0.026974	-0.053511	0.039902	0.036914	0.055007	0.025048	-0.042406	-0.045824	0.012531	-0.015152	-0.074735
234	-0.059274	-0.135153	-0.011923	-0.112332	-0.064037	0.084582	0.120031	-0.024065	0.132896	-0.112907	0.013806	0.014336	0.021545	-0.160675
235	-0.033921	-0.10484	0.027343	-0.161752	-0.025778	0.057504	0.069775	0.011201	0.124546	-0.065967	0.040765	-0.015632	0.062828	-0.103672
236	-0.008178	-0.010096	-0.019213	0.021036	0.054521	-0.032751	-0.001162	-0.018735	0.040838	0.036862	0.043915	0.059678	-0.039183	-0.051232
237	0.064949	0.00589	-0.056739	0.116893	-0.008292	-0.043788	0.105439	-0.058047	-0.098378	0.030962	0.059123	-0.036601	-0.05555	0.057951
238	-0.073593	-0.04755	-0.090457	-0.001212	-0.085312	0.023476	0.054962	-0.018375	-0.010412	-0.049547	0.02047	0.015348	-0.048154	0.029747
239	-0.068665	-0.037153	-0.062093	-0.037378	-0.092109	0.063389	0.024184	0.023997	0.028598	-0.051045	-0.032846	0.06161	-0.000958	0.040878
240	0.010502	-0.067658	0.021279	-0.030065	0.021739	0.112597	-0.046475	-0.059624	0.001747	-0.081233	-0.019493	0.022419	-0.01727	-0.111118
241	-0.000575	-0.071738	0.013621	-0.02056	-0.02449	0.041795	0.02112	-0.043649	0.042685	-0.038413	0.007352	0.022165	-0.030617	-0.169517
242	0.037899	-0.064205	0.062626	-0.068499	0.006417	-0.005733	0.081854	0.003157	0.078644	0.001284	0.032479	-0.006111	0.028061	-0.060913
243	0.000247	-0.089181	0.060907	-0.144067	-0.018666	-0.01036	-0.016676	0.043903	0.085821	-0.017639	0.077179	-0.085796	-0.010204	0.051007
244	0.069937	0.031009	0.037404	0.035801	0.072343	-0.000915	-0.048999	0.043342	0.083612	-0.078562	0.011709	-0.008909	0.074931	0.038036
245	0.016536	0.049035	0.003408	0.046488	0.004649	-0.113407	-0.040344	0.017749	0.06228	-0.032215	0.051562	0.014032	0.06705	-0.041732
246	0.074915	0.022705	-0.000848	0.020096	-0.043449	-0.008554	0.027234	-0.047387	-0.038409	0.025094	-0.00218	0.003819	0.017949	-0.066959

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
247	-0.030646	-0.01095	-0.034127	-0.034258	-0.038142	-0.017167	-0.055531	-0.030962	-0.028584	-0.006764	-0.012112	0.019607	-0.033831	-0.059708
248	-0.054486	-0.02796	-0.031094	-0.0653	-0.021992	0.013513	-0.083845	-0.016256	-0.024139	0.018576	-0.009014	0.010905	-0.068813	-0.061605
249	-0.055972	-0.097878	0.003037	-0.05188	-0.002561	0.157765	-0.047548	-0.095168	-0.136257	0.053805	0.011916	-0.026259	-0.06297	-0.029662
250	-0.003647	-0.063832	-0.002315	-0.029031	0.012069	0.084532	0.02308	-0.095446	-0.008223	-0.05512	-0.027855	0.016464	-0.006207	-0.135091
251	-0.010221	-0.039728	0.049307	-0.056989	0.036786	0.051562	0.003609	-0.062866	0.056869	-0.077003	0.010671	-0.030342	0.021636	-0.133688
252	-0.025219	-0.060109	0.084571	-0.064289	0.074219	-0.009003	-0.054443	-0.055395	0.09709	-0.074859	-0.009937	-0.051803	0.003127	-0.022305
253	-0.01355	-0.098658	0.073131	-0.074613	0.036169	0.01038	-0.0415	0.057226	0.087858	0.048719	0.114689	-0.070604	-0.041104	0.064998
254	0.003708	-0.008152	0.004229	-0.022389	-0.00196	0.020768	-0.094142	0.001476	-0.031599	0.028671	0.014859	0.006003	0.050362	0.015062
255	0.055957	0.045765	0.037643	0.002942	0.070696	-0.001025	-0.089772	-0.002863	0.06756	-0.017318	0.038605	-0.00942	0.087922	-0.042345
256	-0.025779	0.066955	0.039698	0.01519	0.084303	-0.102981	-0.146342	0.000343	0.066007	0.026548	0.104167	0.015474	0.055528	-0.06244
257	-0.02569	-0.018226	0.037076	-0.008596	0.024302	-0.025377	0.001177	-0.024715	0.000842	0.027235	-0.002168	0.019085	-0.060722	-0.035703
258	-0.016918	-0.02407	0.004067	-0.019564	0.041937	-0.054786	-0.138311	-0.011225	-0.036572	0.039827	0.036645	0.018953	-0.108259	0.030063
259	-0.042429	-0.080674	0.015888	-0.062144	-0.016929	0.083019	-0.002932	-0.066333	-0.085238	0.046554	-0.017665	-0.039793	-0.00853	-0.01441
260	-0.031566	-0.093494	0.038242	-0.058	0.059069	0.08041	-0.059308	-0.107801	-0.044937	-0.062222	-0.120914	-0.051231	-0.019971	0.024083
261	-0.029326	-0.082663	0.041326	-0.067574	0.084437	0.060035	-0.077831	-0.112031	0.006619	-0.083287	-0.079718	-0.028385	-0.027714	-0.008959
262	-0.01134	-0.032427	0.02978	-0.026032	0.093618	0.009282	-0.033335	-0.045903	0.03327	0.010732	-0.006353	0.024584	0.001394	0.036026
263	-0.014737	-0.034029	0.022039	-0.07202	0.07039	-0.002586	-0.01387	-0.023441	0.048782	0.041416	0.048184	0.01172	0.037706	0.033217
264	-0.039658	-0.025345	-0.039849	-0.032349	-0.015901	0.072246	-0.062917	-0.030293	-0.121349	0.110028	-0.006626	-0.036153	0.048322	0.044486
265	-0.052591	-0.016111	-0.002892	-0.038091	0.042831	0.033683	-0.187005	-0.042586	-0.140258	0.072886	-0.064011	-0.009418	0.012635	0.0695
266	-0.036968	0.003408	0.019573	-0.030823	0.073382	-0.037901	-0.195508	-0.041466	-0.037846	-0.004237	-0.062321	0.006286	-0.007396	0.023038
267	-0.044502	-0.011907	0.029851	0.010432	0.02315	0.057618	-0.011213	0.115934	0.091174	0.023263	0.015952	0.005426	0.062374	0.031916
268	-0.016049	-0.03091	0.036807	-0.012361	-0.006629	0.032729	0.003114	0.033398	0.036963	-0.013287	-0.047144	0.006697	0.030312	0.004772
269	-0.030618	-0.020674	0.031479	-0.006422	-0.005237	0.019297	0.007257	0.026807	0.030238	0.004404	-0.042622	-0.012188	-0.012271	-0.02758
270	0.000083	-0.025567	0.037412	-0.010579	-0.007133	0.019824	0.003337	0.040076	0.02943	-0.005063	-0.074685	-0.037565	0.015941	0.008966
271	0.015922	-0.023582	0.032067	-0.004324	0.092544	-0.033541	0.05772	0.094872	0.112113	0.072076	0.037805	0.036376	0.031396	-0.064563
272	-0.039215	-0.000214	0.017944	0.002797	0.065145	0.031784	0.031363	0.105887	0.06193	0.078099	-0.040411	-0.011353	0.022325	-0.063934
273	0.000348	0.008471	0.025986	-0.003935	0.036512	-0.007979	0.051177	0.03467	0.00065	0.03255	-0.068933	-0.031824	0.018296	-0.021786
274	-0.001662	0.011087	0.028145	-0.001219	0.034403	-0.011991	0.053923	0.031006	0.001659	0.039474	-0.061652	-0.039619	0.008539	-0.032309
275	-0.02925	-0.00318	-0.055611	-0.021692	-0.030785	-0.033111	0.029851	0.076854	-0.004053	0.019911	-0.0399	-0.052532	0.037595	-0.001333
276	-0.022146	-0.026155	-0.018116	0.016558	0.067045	-0.024263	0.006792	0.039768	0.089276	0.066279	0.049904	0.071737	-0.034695	-0.065963
277	0.068206	0.050129	-0.061674	0.076609	0.019064	-0.030841	0.104399	0.032616	-0.060638	-0.029193	-0.060382	0.014599	0.039662	0.120964
278	0.081804	0.046651	-0.048685	0.078128	-0.005144	-0.014557	0.08624	0.058317	-0.050096	-0.014975	-0.059496	0.026085	0.046827	0.122943
279	-0.085263	-0.016304	-0.0865	-0.047659	-0.083608	0.055291	0.016573	0.033714	0.015484	-0.065182	-0.059008	0.036286	0.005978	0.02853
280	0.019939	-0.057575	0.069	-0.098067	-0.012782	-0.036404	-0.050758	0.098819	0.094536	0.02726	0.096377	-0.103652	0.008122	0.109253
281	0.089506	0.016734	-0.009189	-0.007292	-0.01909	-0.017534	-0.001207	-0.00323	-0.061218	0.025934	-0.015355	-0.014481	0.041799	-0.032751
282	0.075787	0.033181	-0.015834	-0.047291	-0.015913	-0.032444	-0.059028	0.013105	-0.045778	0.022095	-0.009142	-0.00228	0.044576	-0.03611
283	-0.062449	-0.012545	-0.054029	-0.068151	-0.032532	-0.010754	-0.09924	0.007581	0.01542	-0.010683	-0.022203	0.004468	-0.042092	-0.105219
284	-0.010075	-0.017973	0.02342	-0.007193	0.021444	-0.019679	0.006484	-0.012066	0.009948	0.034751	-0.000827	0.000879	-0.026104	-0.051882
285	-0.003832	-0.019083	0.02436	-0.009266	0.01986	-0.008746	0.005345	-0.003578	0.023956	0.032954	0.00834	0.005034	-0.034901	-0.036434
286	-0.004825	-0.009444	0.00912	-0.013215	0.005205	-0.059094	-0.101978	0.015892	-0.016018	0.075965	0.069689	-0.00859	-0.09106	0.031161
287	-0.011631	-0.02373	0.002989	-0.025329	-0.006991	-0.054864	-0.160539	0.049157	0.00137	0.049753	0.069688	0.002387	-0.105049	0.023245

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
288	-0.072351	-0.057601	-0.039709	-0.032753	0.093175	-0.123388	-0.108653	0.010282	-0.066916	0.036337	0.062451	0.01493	-0.114738	-0.019689
289	-0.02701	-0.013676	0.024611	-0.011301	0.136912	-0.047671	-0.073303	-0.032596	-0.001136	0.008756	-0.012091	0.012327	0.015768	-0.005262
290	-0.026675	-0.075558	0.014377	-0.016064	0.140601	-0.139362	0.094334	-0.025468	-0.133794	-0.089102	0.088242	-0.036894	-0.061319	-0.020085
291	-0.027056	-0.076819	0.009274	-0.018003	0.140954	-0.145819	0.093809	-0.029371	-0.14003	-0.088831	0.075885	-0.033195	-0.053364	-0.015051
292	-0.051317	-0.085324	0.009395	-0.034313	0.109863	-0.123824	0.107256	-0.017258	-0.114217	-0.090942	0.096058	-0.025801	-0.058461	-0.02595
293	0.005168	0.004523	0.055104	-0.039802	-0.030004	-0.013807	0.080186	0.038567	-0.077948	0.002764	-0.032667	0.118634	-0.007081	-0.053186
294	0.029522	0.026378	0.032181	-0.008367	-0.036021	-0.046593	0.024724	0.02885	-0.055627	-0.0426	-0.07793	0.00307	0.027513	-0.008862
295	0.02602	0.015871	0.03559	-0.007813	-0.005039	-0.023243	0.098743	-0.001868	-0.058302	0.01859	-0.058074	0.025301	0.024902	-0.055181
296	0.008822	0.06629	0.046405	-0.059374	-0.008866	-0.034213	0.014135	0.008173	-0.079558	0.014221	-0.041081	-0.02647	0.055791	-0.029441
297	0.008562	0.044783	0.041217	-0.043469	-0.022465	-0.017272	0.076032	-0.001075	-0.045316	0.012526	-0.036555	0.040287	0.032086	-0.058531
298	0.087717	0.025511	0.061544	-0.008612	-0.082168	-0.142589	0.018356	-0.022344	-0.030458	-0.062661	0.063066	-0.016625	-0.083959	-0.0398
299	0.026864	0.076884	0.042574	-0.05151	-0.033361	0.007027	0.02223	0.025587	-0.06281	-0.017773	0.028246	0.018443	0.012084	-0.008478
300	0.092461	0.050126	0.039117	-0.058823	-0.128722	-0.098204	-0.022613	0.002884	0.061055	-0.07937	0.012518	-0.051915	-0.055675	0.061003
301	0.03187	0.008567	0.034752	-0.010299	-0.030155	-0.000122	0.048457	-0.005387	-0.059381	-0.014975	-0.018794	0.040946	0.011151	-0.035845
302	0.013628	0.07046	0.050281	-0.033166	-0.023798	-0.007468	0.004396	0.011256	-0.067223	-0.030743	-0.010398	-0.003185	0.018405	0.027988
303	0.039186	0.035004	0.04378	-0.004599	-0.063736	-0.032274	-0.09326	0.030482	-0.045327	-0.044593	0.029912	-0.022123	-0.016409	0.080555
304	0.007906	0.073184	0.031929	-0.036868	-0.041659	-0.022649	-0.097926	0.042276	-0.054632	-0.06121	0.035111	-0.032852	0.002476	0.074156
305	0.049886	-0.033148	0.073785	0.033607	-0.012681	-0.055257	0.047425	0.016711	-0.040565	0.007214	-0.048018	-0.031903	0.076187	-0.000645
306	-0.020672	0.09275	0.055608	-0.062261	0.013574	0.034873	0.074261	0.026134	-0.092284	-0.029137	0.043653	0.022228	-0.015336	0.010551
307	0.07109	-0.03334	0.035861	-0.03222	0.037708	-0.017531	0.080883	-0.006106	-0.096723	-0.011481	0.136902	-0.033118	-0.018979	0.068378
308	-0.096906	0.15729	0.029045	-0.106494	0.048298	0.023745	0.009432	0.041814	-0.007207	-0.024913	0.013084	0.018671	-0.001518	-0.001844
309	-0.042679	0.057796	0.00542	-0.050441	-0.034494	-0.007257	-0.008254	-0.012555	0.002598	-0.005798	-0.001307	0.010905	0.02766	-0.010727
310	-0.06847	0.102112	0.047454	-0.053069	-0.015666	0.012893	-0.001099	-0.005936	-0.062305	-0.027584	-0.014285	-0.023407	0.024856	0.02058
311	0.022982	-0.039312	0.016428	0.025668	-0.054005	-0.035537	0.007343	-0.018698	-0.015454	-0.026278	-0.064009	-0.010386	0.007697	-0.024694
312	0.04245	-0.041463	-0.006193	0.085672	-0.049792	0.021016	0.003375	-0.043345	-0.028447	0.103134	0.002034	-0.023441	0.068358	-0.073066
313	0.004505	-0.012736	-0.014445	0.025095	-0.066893	-0.022733	-0.047102	-0.03053	0.007963	-0.000705	-0.034307	0.007968	0.040152	-0.027047
314	0.082618	-0.143458	-0.023337	0.102677	-0.101642	-0.015477	-0.023358	-0.093613	0.036011	0.079799	0.050426	-0.001868	0.090181	-0.013938
315	-0.010438	0.009782	-0.001099	-0.009634	-0.050374	-0.037644	-0.055033	-0.022945	0.003757	-0.001468	0.024839	0.032854	-0.006957	-0.018255
316	0.041025	-0.09732	-0.062639	0.007668	-0.029903	-0.030692	0.061777	-0.046507	-0.028155	0.086239	0.021165	0.023124	0.141326	0.091588
317	-0.012605	0.00083	-0.01385	-0.02251	-0.046905	-0.048907	-0.008768	-0.040163	-0.000601	-0.001394	-0.041731	0.036083	0.011761	-0.043972
318	-0.019791	0.034668	0.028269	0.005717	-0.055853	-0.035263	-0.000921	-0.029281	-0.026709	-0.011452	-0.036836	-0.00987	-0.033375	-0.031987
319	-0.023932	0.006126	-0.023444	-0.029928	-0.054688	-0.045134	-0.07846	-0.018003	-0.002803	-0.010168	0.008279	0.036739	0.020862	0.008202
320	-0.040697	0.045927	-0.005156	-0.047144	-0.029348	-0.0261	-0.039367	-0.011312	-0.037357	-0.072073	0.013931	0.022807	-0.009491	0.006243
321	0.032219	0.066023	0.034512	-0.013106	0.02943	-0.001639	0.091192	-0.030197	-0.060696	0.033362	0.07086	-0.03224	0.009985	-0.03236
322	0.070296	-0.037254	-0.083246	0.014397	-0.050698	-0.01489	0.019174	-0.114484	-0.06635	0.004481	-0.015537	-0.089278	0.065651	0.002613
323	0.043625	-0.005814	0.009361	0.026818	0.007357	0.025073	0.077398	-0.07882	-0.006063	0.015523	0.086482	-0.102783	0.036412	-0.058253
324	0.055346	-0.027894	-0.036104	-0.090412	-0.036356	0.012784	0.046201	-0.038316	-0.090863	-0.015606	0.031543	-0.033441	0.118673	0.066786
325	-0.010286	-0.01281	0.008223	-0.020993	-0.062605	-0.041859	-0.063413	-0.023997	0.019678	-0.012737	-0.026354	0.021266	-0.044124	-0.0052
326	0.074659	-0.102276	0.006741	0.070313	-0.090818	-0.053226	-0.051677	-0.083091	0.027445	0.029207	0.000259	-0.038109	-0.068972	0.020828
327	-0.016063	0.064328	0.024175	-0.056546	0.005678	-0.019044	0.010175	-0.006537	-0.006137	-0.00682	0.034004	-0.008839	0.020064	-0.020976
328	0.11554	0.024514	0.055805	0.044	-0.040812	-0.096777	0.036965	-0.043975	-0.068887	0.023045	0.135413	-0.102672	-0.010567	-0.067254

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
329	0.023241	0.002084	-0.014999	-0.00652	-0.012701	-0.04605	-0.000009	-0.069632	0.010567	0.033219	0.011059	-0.050729	0.066423	-0.015121
330	0.08502	0.001199	-0.07601	0.044151	-0.056962	-0.036905	0.002069	-0.087867	-0.012272	0.049411	-0.024023	-0.066119	-0.036996	-0.03772
331	0.006196	-0.010072	-0.006133	-0.027899	-0.037067	-0.064259	-0.037535	-0.041964	0.001876	0.014245	0.039421	0.025167	-0.023182	-0.017163
332	0.086667	0.001733	-0.062126	0.015138	-0.162153	-0.107558	-0.051319	-0.126428	0.004747	-0.005499	-0.04398	-0.078378	-0.007398	0.012521
333	-0.00099	-0.041726	-0.008331	-0.008988	-0.056744	-0.061612	-0.024648	-0.05105	0.003246	-0.015797	-0.030532	0.026159	-0.064469	-0.044635
334	-0.001233	-0.030816	0.031182	0.028882	-0.06296	-0.049349	-0.064927	-0.018737	-0.060837	-0.114237	-0.041921	0.052332	-0.026311	-0.033685
335	-0.029448	0.038341	0.003854	-0.061046	-0.022796	-0.041108	-0.035724	-0.030981	0.014596	-0.000298	0.013896	0.006717	-0.035716	-0.00748
336	0.049306	-0.031012	0.033318	0.081894	-0.093556	-0.037983	0.050155	-0.000471	-0.059173	0.011729	0.01293	-0.025087	-0.110591	0.005315
337	0.093779	-0.032432	-0.007411	-0.024346	0.028073	0.010532	0.090061	-0.041919	-0.110663	0.014826	0.072518	-0.004431	0.026722	0.007829
338	0.054651	-0.019013	0.087813	0.010487	0.008712	0.046267	0.025841	0.048237	-0.126634	-0.024036	-0.089014	-0.048222	0.005127	-0.056629
339	0.069951	-0.048422	0.038688	0.01619	-0.010307	0.020245	0.054541	-0.017361	-0.063833	0.002785	0.021777	-0.048614	0.046229	-0.031261
340	0.073915	0.025478	0.049035	-0.063771	-0.088331	0.031372	0.048606	-0.081984	-0.119329	-0.011248	-0.084096	-0.066441	-0.060021	0.168944

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
1	-0.001908	0.025584	-0.032718	-0.10464	-0.017291	0.007786	-0.032158	-0.057265	-0.025048	0.06869	-0.026073	0.03931	0.061824	-0.039108
2	-0.027523	0.020722	0.013821	-0.014263	-0.000752	0.015885	-0.029472	-0.011812	0.00119	-0.038261	0.060458	-0.031074	0.004588	-0.048791
3	-0.042022	-0.016442	-0.025467	-0.02136	-0.053166	-0.044625	-0.023263	-0.002387	0.033507	0.091289	0.041175	-0.038299	0.062848	-0.017452
4	-0.043332	0.024898	0.004957	-0.11248	0.030894	0.001544	-0.02366	-0.007916	-0.083587	-0.036462	-0.055011	0.08644	0.028892	-0.010553
5	-0.074948	0.104351	0.000752	-0.049718	-0.152903	-0.010858	-0.180294	-0.094478	0.014569	-0.163368	-0.070551	0.184977	0.022653	-0.068852
6	-0.088985	-0.054001	-0.046301	-0.041959	-0.008598	0.0079	-0.011307	-0.003009	0.046466	-0.133111	0.045836	0.03695	0.092079	-0.034648
7	-0.036735	-0.102665	0.085203	0.034036	0.001331	0.005453	-0.00784	-0.006862	-0.007548	-0.107062	-0.010154	-0.145334	0.027008	-0.023274
8	-0.003184	-0.003512	0.143789	-0.039922	0.009002	-0.004233	-0.039271	0.012348	-0.208067	-0.028325	-0.197083	-0.260789	0.007949	-0.056429
9	-0.066662	0.011585	0.012605	-0.13456	-0.011276	0.001726	-0.063194	-0.008773	-0.110391	-0.007603	-0.090085	0.064004	0.000609	-0.088039
10	-0.057256	0.006684	-0.066734	-0.048034	-0.021778	-0.046663	-0.089125	-0.056103	-0.010536	0.041427	0.021193	-0.04492	0.013569	-0.086602
11	-0.108182	-0.029556	0.116912	-0.040063	0.076803	0.030685	0.006941	0.016364	-0.012885	-0.009229	-0.041842	0.067118	-0.085502	-0.010309
12	0.06989	-0.073948	-0.032785	0.217772	-0.091263	-0.10238	0.100193	-0.048807	-0.015498	-0.185002	0.025703	0.034534	0.053588	-0.178811
13	0.004776	-0.012882	0.01038	-0.005742	0.000717	0.022422	0.006103	0.009967	0.000295	-0.002943	-0.000643	-0.019637	0.019634	-0.002281
14	0.006799	-0.010607	-0.011142	-0.010602	0.020878	0.015171	0.008697	-0.024853	-0.009699	-0.020512	-0.004333	-0.010969	0.006615	0.008036
15	0.001864	-0.010957	-0.041766	-0.042414	-0.011086	0.003596	-0.017579	-0.036265	-0.014374	0.04458	-0.006489	-0.017401	0.027162	-0.001082
16	0.029508	-0.126894	0.029747	-0.14785	0.080716	0.060261	0.048604	0.027663	0.157455	0.105448	0.073759	0.017426	-0.126526	0.13189
17	-0.062863	0.032858	-0.049598	-0.03388	-0.122913	0.031563	-0.012072	-0.052007	0.029973	-0.025406	-0.061464	0.001691	-0.02259	-0.043971
18	0.066915	-0.01526	0.082138	-0.079355	0.026434	-0.026369	-0.086934	-0.044188	0.125143	0.041445	0.039762	0.097236	-0.0797	0.077905
19	-0.028229	-0.00092	-0.009566	-0.065614	0.012782	-0.06566	-0.067825	-0.019047	0.028511	0.051453	0.007801	-0.014064	0.057933	-0.064431
20	-0.001495	0.007431	0.01634	-0.008118	0.016069	0.001962	0.017045	0.015981	-0.024014	0.001626	-0.007926	-0.005642	0.0105	-0.014856
21	-0.064758	-0.00693	-0.003068	-0.027423	-0.033663	-0.020232	-0.100461	0.015874	-0.00267	0.0213	0.074494	-0.118951	0.054646	-0.076853
22	0.006238	-0.075936	-0.081407	0.01277	-0.051256	-0.104196	0.021724	-0.046338	0.038158	-0.043901	-0.063711	0.003148	0.043078	0.046515
23	0.045199	-0.008921	0.057705	-0.017351	0.03802	0.003804	-0.006071	-0.061217	0.023185	-0.017841	0.082817	0.012636	0.130231	0.055334
24	0.001865	-0.014332	-0.051351	-0.06331	-0.057045	-0.072366	-0.048063	-0.03012	-0.054212	-0.013765	-0.0005	-0.067236	-0.060716	0.043876
25	-0.006012	0.003972	-0.016022	-0.037566	0.039699	-0.023896	-0.057813	0.082263	-0.005724	0.021195	0.126268	-0.0233	-0.000385	-0.013521
26	-0.002503	0.003335	0.01655	-0.005411	0.014514	-0.001318	0.018549	0.015091	-0.01818	0.002646	-0.00429	-0.005699	0.004923	-0.014845
27	-0.00595	0.010207	0.007467	-0.000738	0.005806	0.001839	0.013158	0.019795	-0.022052	0.007591	-0.002103	0.019215	-0.001443	-0.001515
28	-0.034871	0.008135	0.001121	-0.059458	0.028272	0.00296	-0.008782	-0.006418	-0.017159	-0.037827	-0.028872	0.017095	0.001115	-0.016542
29	0.042404	-0.086275	-0.007022	-0.006804	-0.023189	-0.056342	0.062792	0.014514	-0.019915	-0.048991	-0.000714	-0.013351	-0.045112	0.020698
30	-0.01708	0.011069	0.048506	-0.017567	0.105571	-0.015385	-0.039154	0.03927	-0.006574	0.035297	-0.029835	-0.016628	-0.03188	0.008716
31	-0.01931	0.000363	-0.023305	-0.013458	-0.003105	0.017717	-0.028007	-0.001123	0.037681	-0.004334	0.029287	-0.000361	-0.011621	0.021147
32	-0.040306	0.03016	0.005582	-0.000316	0.01062	-0.003727	0.030001	-0.007979	0.02644	-0.040277	0.076002	-0.047173	0.052377	0.084545
33	-0.006298	0.026961	0.040846	0.027566	0.008931	0.011392	0.013219	0.033602	-0.06379	0.053372	0.013019	0.018961	-0.018318	0.003851
34	0.004244	-0.029681	0.025203	0.003722	0.077957	-0.021801	0.002106	-0.003557	-0.01184	-0.01956	0.058635	-0.037243	-0.053459	0.029813
35	-0.010805	-0.036242	0.004838	0.050603	0.01393	-0.09667	-0.002088	0.003723	-0.054964	0.040167	0.041561	0.019179	-0.000093	-0.040643
36	0.006091	0.070732	-0.006151	0.02568	0.033305	0.044134	0.014932	0.004347	-0.005414	-0.016288	0.004904	0.00029	-0.031197	-0.007479
37	-0.004654	-0.029736	0.005937	-0.021153	0.008837	-0.010651	-0.004361	0.006315	0.009101	-0.01363	-0.046262	-0.037775	-0.01305	-0.020129
38	0.035401	0.037632	-0.068202	-0.025903	0.062719	0.0602	0.013453	0.044602	-0.01032	0.048247	0.103728	-0.000479	-0.069704	-0.101065
39	0.055251	-0.029895	0.02167	0.031297	-0.013957	0.110813	0.01933	0.052987	0.021168	-0.031215	0.063856	-0.020765	-0.052205	-0.037404
40	0.070194	-0.012552	-0.018616	0.009591	-0.000481	-0.012941	0.0245	-0.078491	0.019299	0.02817	0.061614	0.01344	-0.02917	-0.002018
41	0.031167	-0.002416	0.024062	0.036088	-0.025187	-0.054558	0.040793	0.022957	0.035502	-0.001428	0.06774	-0.055186	-0.017221	-0.04007

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
42	0.016333	-0.046621	0.001376	0.00805	-0.061661	-0.01186	0.056466	0.027552	-0.019863	-0.02448	0.020137	-0.013383	-0.029972	0.000211
43	0.053069	-0.025885	0.031769	0.00763	-0.004214	0.003037	0.014013	-0.025516	0.029074	0.023727	0.067874	-0.009562	-0.024063	0.005257
44	0.00749	-0.03491	-0.00906	0.01247	-0.038157	-0.053645	0.027863	-0.012556	0.004905	-0.009913	0.067644	-0.025016	0.01066	0.056086
45	0.098681	0.015114	0.031201	-0.00067	-0.047113	-0.071505	0.000786	-0.016776	0.066497	0.004127	0.070119	-0.002414	-0.026058	0.011319
46	-0.058967	-0.007543	-0.063005	0.022692	-0.017944	-0.085122	0.000838	-0.066432	0.078397	-0.025007	-0.069875	-0.058725	-0.053939	0.066278
47	0.049528	0.008611	0.029918	0.017715	-0.021536	0.080062	0.00516	0.038754	0.01074	-0.053102	0.062746	0.020517	-0.011953	0.024109
48	-0.015343	0.114819	-0.02892	0.044857	0.031735	0.026628	0.031141	0.092951	-0.087527	-0.062268	0.058093	0.049969	-0.013124	0.012637
49	-0.005655	0.026476	0.077392	-0.030698	0.093194	-0.016269	-0.022465	0.055211	-0.004422	0.060672	-0.049107	-0.045031	-0.020879	0.012228
50	0.032486	0.024255	0.01072	-0.036519	0.021514	-0.046412	-0.032464	0.007848	0.049761	0.048247	-0.010528	-0.037326	0.064558	0.043513
51	-0.046011	0.016037	-0.00418	0.068177	-0.000033	-0.006911	-0.069858	-0.00909	-0.006876	0.038204	0.024195	0.015332	-0.038248	-0.026501
52	0.013706	0.042153	0.029981	0.021316	0.085431	-0.012563	-0.030299	-0.010141	0.054637	-0.021934	-0.124722	-0.044188	-0.0684	0.020111
53	-0.0582	-0.018934	0.049145	0.034789	0.019956	-0.077697	-0.047242	-0.033625	0.003426	0.039887	0.028307	-0.097168	0.01055	0.008159
54	0.013676	0.01289	0.023375	-0.020752	0.042902	-0.061751	0.017471	0.082917	-0.047967	0.036787	-0.050204	-0.047958	0.006998	0.019539
55	-0.002091	-0.001725	0.025552	-0.024564	0.059005	-0.019421	-0.034414	-0.023954	0.00265	-0.007699	-0.006991	-0.038005	-0.037876	-0.003342
56	-0.00659	0.021234	0.052334	-0.007465	0.099799	0.013525	-0.033444	0.047033	0.029118	0.062367	-0.020303	-0.023309	0.017752	0.011214
57	0.014237	-0.058533	0.003898	-0.004329	-0.012177	0.029652	0.007199	-0.048238	-0.050826	0.011327	0.009814	0.087837	-0.016052	-0.007559
58	0.007128	-0.039393	-0.016566	0.068612	0.020906	0.007278	-0.014428	0.046256	0.008089	-0.005222	-0.035602	0.024103	-0.068539	-0.010592
59	0.033239	-0.020067	0.066221	-0.051753	0.063293	0.000239	0.040097	0.047116	-0.054826	0.027941	0.008575	0.069326	0.050511	0.013693
60	-0.002053	0.019632	-0.065655	-0.026986	0.016872	0.108763	-0.02692	0.016264	-0.008385	-0.046635	0.010546	0.006574	-0.034281	0.021036
61	0.017676	0.032373	-0.012111	-0.055314	-0.001537	0.083489	0.035133	0.119783	0.008509	0.036288	-0.018457	-0.055431	0.001201	0.019479
62	-0.059878	-0.045599	-0.091016	0.017762	-0.016327	0.084471	-0.028302	0.084582	0.021756	-0.002636	0.059852	-0.042801	0.010669	0.035063
63	0.025722	0.022665	0.005196	-0.049541	0.003219	0.002733	0.063945	0.149438	0.042409	0.052512	-0.012919	-0.035881	-0.001406	0.026126
64	-0.035435	0.001407	0.046021	-0.021086	0.0684	0.035845	-0.032556	0.065374	-0.016566	0.014223	-0.029895	-0.003425	-0.037261	0.012846
65	-0.003813	-0.049764	-0.04238	-0.002802	0.010609	0.09272	-0.027723	-0.006463	-0.070086	-0.049489	0.008979	0.111674	-0.040386	0.007815
66	-0.04321	-0.032811	0.037229	-0.023459	-0.002074	0.102857	0.006222	0.005987	-0.038949	0.043548	0.03558	0.018219	0.009461	0.05175
67	0.096181	0.084563	-0.035441	0.001055	-0.025833	0.104883	-0.063802	-0.076905	0.068099	0.007131	-0.014174	-0.000258	-0.032198	0.022715
68	-0.087079	-0.002628	-0.0199	0.040094	-0.019819	0.160958	-0.126018	-0.061106	0.155422	0.067896	-0.247186	-0.044425	0.109793	0.016298
69	-0.008334	0.00132	-0.008855	0.01259	0.032479	0.022875	0.018934	-0.009373	-0.002657	-0.017854	-0.031791	-0.026727	0.005169	0.002704
70	-0.00424	-0.026623	0.006816	0.017456	0.055848	0.02619	0.003669	-0.01673	-0.010602	-0.004495	0.01168	-0.008322	0.005659	0.015739
71	-0.081277	-0.002511	-0.042748	0.004996	-0.027005	-0.027468	-0.006962	0.018454	0.063414	-0.024324	0.131277	-0.074445	-0.051681	-0.054139
72	-0.052329	-0.013279	-0.057735	-0.025494	-0.047562	0.017935	-0.065288	-0.025381	0.124984	0.005703	0.031378	-0.057214	-0.013347	0.016735
73	-0.060566	0.004473	-0.07275	0.052095	0.023195	0.03661	-0.036827	0.011581	0.158971	-0.064847	0.009071	-0.006706	0.055591	0.003655
74	0.045976	-0.018983	0.027544	-0.028771	0.141356	0.00667	-0.06149	0.166278	0.107262	0.071234	-0.027271	0.193675	0.059414	0.036972
75	-0.000883	-0.012118	0.00509	0.005576	0.037956	0.03018	0.001093	-0.019703	-0.02052	-0.015537	-0.006279	0.00603	-0.01041	0.020393
76	-0.009036	0.00318	-0.018134	0.022375	0.020268	0.008713	0.000306	-0.028413	-0.022394	-0.019889	-0.000491	0.033115	-0.000708	0.026101
77	-0.001607	-0.009051	0.008261	0.005557	0.041404	0.025873	0.000793	-0.02347	-0.023649	-0.013213	-0.005397	0.00467	-0.016042	0.018772
78	0.001269	-0.010715	0.009585	0.005679	0.042783	0.027208	-0.002374	-0.02508	-0.018153	-0.014413	-0.008415	0.005741	-0.019584	0.018533
79	0.001866	-0.008451	0.00719	0.001823	0.046381	0.03372	-0.001046	-0.022907	-0.029026	-0.012488	-0.009562	0.011401	-0.020498	0.023855
80	-0.025331	-0.005369	-0.009564	0.024228	0.012808	0.049958	-0.032315	0.040229	0.089567	0.083053	0.092687	0.074952	-0.020998	-0.045296
81	0.024668	-0.002649	-0.014227	-0.026181	-0.054694	-0.035393	-0.062916	0.031982	-0.031645	0.015704	-0.043813	0.009124	-0.040858	-0.023045
82	-0.006528	0.011398	-0.005635	0.003026	0.004409	0.016813	0.004368	-0.008005	-0.012345	0.002996	-0.005338	0.031688	0.003697	-0.01183

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
83	-0.012672	0.017806	-0.005885	0.00364	-0.003481	0.006227	0.010025	0.006634	-0.007661	0.008222	-0.002582	0.025524	0.00087	-0.005385
84	-0.012405	0.017836	-0.008258	0.007823	0.000714	0.006909	0.011607	0.016564	-0.016412	0.006042	0.004442	0.029923	0.001894	0.002897
85	0.019094	-0.025454	-0.06727	0.017532	-0.040076	0.049636	0.011373	0.002737	-0.00346	0.020642	-0.042966	-0.051964	-0.033155	-0.009239
86	-0.041839	0.014462	-0.074986	0.00982	-0.058132	0.04369	-0.033129	-0.044023	0.087337	0.030931	0.012881	-0.036326	-0.012109	0.00067
87	0.009632	0.008685	-0.025203	-0.023076	-0.03582	0.020195	-0.047693	-0.022042	0.060031	0.049127	0.007843	-0.036308	-0.016109	-0.002442
88	-0.010242	0.012159	0.000806	-0.003212	-0.0033	0.009642	0.005871	0.009472	-0.013074	0.008224	0.000921	0.031882	0.001492	-0.000238
89	-0.00262	0.014236	0.009435	0.000873	0.004516	0.001519	0.014754	0.013175	-0.024231	0.00544	-0.00366	0.026599	0.00524	-0.015568
90	-0.008594	0.016822	-0.004588	-0.001775	0.004869	0.009954	0.008935	0.014136	-0.014756	0.005751	-0.00539	0.024593	0.010353	-0.004834
91	0.002524	0.020649	-0.001555	-0.011935	-0.000228	0.012932	0.015983	0.016007	-0.030065	0.013159	-0.002396	0.030467	0.002125	-0.017786
92	-0.020535	0.016417	-0.024894	-0.012159	-0.048014	0.031656	-0.028368	-0.032302	-0.003789	0.055022	-0.000112	-0.004494	0.010657	0.049162
93	-0.006851	0.013568	-0.012941	0.00654	-0.006863	0.029464	0.014065	0.013226	0.019876	0.013419	-0.005548	0.006503	0.007608	-0.012785
94	0.004005	0.029535	-0.021724	0.007868	0.006863	-0.019558	-0.000394	0.017611	0.00654	-0.032181	-0.021348	0.030844	0.034638	-0.021767
95	-0.082687	-0.005048	-0.056572	0.061422	0.039138	0.07689	-0.08226	-0.042355	0.077666	0.091025	0.043399	-0.016834	-0.047436	0.012366
96	-0.070105	0.028302	-0.166834	0.009352	-0.002916	0.146014	0.066506	-0.012977	-0.093102	0.060755	-0.007824	-0.051782	0.019567	-0.05158
97	-0.041356	-0.039808	-0.00021	-0.005738	-0.02429	0.090543	-0.035971	0.015313	-0.068056	0.036643	0.012912	-0.077381	0.001912	0.009756
98	0.027008	-0.039146	-0.032211	-0.012345	-0.006087	-0.031655	-0.016638	-0.018892	0.013702	-0.046919	-0.009709	0.012201	0.022172	0.035658
99	-0.041364	0.014397	-0.014696	-0.051195	0.016996	0.029272	0.004075	-0.008591	-0.001707	0.014599	-0.022884	0.002838	0.036284	0.010565
100	-0.009611	-0.006194	-0.042751	-0.037677	0.050211	-0.039602	0.032619	0.046646	0.02512	0.00237	-0.076633	-0.004714	-0.027353	-0.016901
101	0.002448	-0.039151	-0.021192	0.007271	-0.027013	-0.027992	-0.040578	0.000595	-0.002177	-0.014969	-0.026388	0.018754	0.010397	0.02085
102	-0.050531	0.055232	-0.005907	0.045793	0.133815	-0.027869	0.014906	-0.000953	0.006671	0.030753	-0.008826	0.004501	0.002753	-0.067613
103	-0.08192	0.016182	-0.033562	0.125722	0.142043	-0.002327	-0.007636	-0.027829	-0.011097	0.039064	-0.077328	-0.065884	0.036292	-0.015683
104	-0.147163	-0.045647	-0.109771	0.081904	0.116473	0.066018	0.05164	-0.085788	-0.006499	0.057201	0.044856	-0.030107	-0.048452	0.066604
105	-0.037471	-0.010537	0.054848	0.106348	-0.057113	0.052361	0.119188	-0.001988	0.11915	-0.117044	-0.034768	0.087751	-0.053661	-0.120883
106	0.012802	0.016171	0.026511	0.005929	0.0535	-0.02406	-0.026781	-0.131944	-0.03538	-0.011286	0.007469	0.058485	-0.02038	0.017546
107	-0.030563	-0.007864	-0.0241	-0.0182	0.030974	0.011751	-0.019042	-0.064086	-0.02698	0.005594	-0.053044	0.036223	-0.096547	0.044123
108	0.057411	-0.0121	-0.089713	0.015509	-0.074468	-0.028142	0.083438	-0.043907	-0.025965	0.205012	-0.038518	0.043064	0.024635	0.145479
109	-0.064452	0.085969	-0.041475	-0.017399	0.006395	0.037935	-0.005071	0.014272	0.134303	0.158255	-0.152038	-0.000072	0.062319	0.020237
110	-0.097713	0.0846	0.020338	-0.05832	-0.062789	0.050977	-0.093273	0.013536	-0.000146	0.134048	0.018108	0.054374	-0.091879	0.005228
111	0.053273	-0.061193	-0.030328	-0.031749	-0.067825	-0.08774	0.016264	-0.015988	-0.007143	0.052929	0.007793	0.069674	-0.060076	0.009131
112	0.070771	0.098106	-0.048377	0.009385	0.011095	-0.053958	0.161475	-0.121101	0.069828	0.012326	0.065322	0.069783	0.043116	0.053632
113	0.022318	0.061463	-0.034648	-0.021423	0.019826	-0.042362	-0.039138	-0.026859	0.045373	0.151063	-0.034736	0.027873	0.164244	-0.066907
114	-0.038664	0.022733	0.086222	0.079464	-0.038469	-0.080356	-0.012276	0.009109	0.057966	0.00286	0.10071	-0.038497	0.033185	-0.098516
115	-0.011313	-0.015051	0.016709	-0.020637	-0.074057	-0.010167	0.001192	0.012933	0.044411	0.047268	-0.039213	0.020666	-0.08256	0.147256
116	-0.060554	-0.004005	0.057071	-0.003443	-0.018649	0.00208	-0.037118	0.080685	0.033542	-0.084174	-0.069276	0.060029	0.019749	0.17462
117	-0.01064	-0.114274	-0.093295	0.005658	-0.006786	-0.074552	0.07105	0.008807	0.030059	0.006067	0.030367	0.036918	0.025425	0.011052
118	0.010827	0.036523	0.057661	-0.038597	-0.066515	0.037923	-0.092299	-0.079831	-0.052523	0.018168	0.012038	0.035495	0.039511	0.00531
119	0.030622	0.089563	0.013805	-0.032127	-0.038717	0.011065	0.047634	0.073037	0.019257	0.075141	-0.054601	-0.075261	-0.01957	-0.020983
120	-0.050799	0.006068	-0.059985	-0.003172	0.01781	-0.106905	0.043251	0.048703	0.005982	-0.026517	0.037176	0.069626	-0.013644	0.03553
121	-0.040999	-0.071638	-0.04737	-0.026028	0.031202	-0.064031	0.057278	0.082992	0.029991	0.016429	0.058009	0.07083	-0.031367	0.008192
122	-0.020182	0.045775	-0.004221	-0.007041	-0.074037	0.016483	-0.000644	0.015129	0.016239	0.018891	0.09927	-0.047311	-0.025709	-0.005867
123	-0.040144	0.00322	-0.009052	-0.011799	-0.089772	-0.06511	0.034195	-0.003782	-0.017724	0.002386	-0.013625	-0.011556	-0.044772	-0.022306

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
124	0.065309	0.008666	0.032764	-0.026908	0.052379	-0.020176	0.019124	0.069972	0.010027	0.029868	0.017014	-0.041767	-0.041145	0.02839
125	-0.03932	-0.018515	0.010942	-0.111202	0.008992	-0.039418	-0.083044	-0.031917	0.070484	-0.001927	0.057386	0.041757	0.018435	-0.051311
126	-0.023569	-0.055832	0.000862	0.021062	-0.029422	-0.079147	0.016316	-0.001602	-0.018078	-0.029798	-0.032347	0.005494	0.028399	-0.049471
127	0.013223	-0.020902	-0.019117	0.006276	0.004272	-0.079548	0.013139	-0.001226	-0.004213	-0.055439	-0.036432	-0.00674	0.018372	-0.037757
128	-0.106516	-0.000746	-0.01755	-0.063048	-0.014638	0.039685	-0.004465	-0.048704	0.036453	0.062072	-0.005176	-0.00598	-0.017007	0.013907
129	-0.065825	0.079772	-0.088939	0.110671	-0.036531	0.069202	0.013728	0.011664	0.091006	0.070008	-0.041274	0.034332	0.025223	0.130672
130	-0.077973	0.027012	-0.009699	-0.01588	0.032815	0.060383	0.025746	-0.025529	0.075085	-0.011224	-0.052468	0.033912	0.064484	0.034811
131	0.001369	-0.054448	0.069902	-0.008389	-0.093817	0.059774	-0.00687	-0.008149	-0.041211	0.05126	-0.0399	0.042263	0.082655	-0.039937
132	-0.10037	0.037391	0.036118	-0.044917	0.004022	0.050954	-0.011228	-0.090166	-0.006744	0.125075	0.049039	-0.070385	-0.049124	-0.070604
133	-0.044819	-0.045971	0.001126	-0.031486	0.071085	0.028815	0.035787	-0.056917	0.019892	-0.051768	-0.022339	-0.032175	0.020553	0.050228
134	0.053855	-0.213169	0.027271	0.016194	-0.069188	0.060237	-0.036138	0.03285	-0.094265	0.087005	-0.030609	-0.04109	-0.016525	0.108448
135	-0.002918	0.045416	0.048569	0.021573	-0.008722	0.000533	0.015178	-0.007185	0.077555	-0.03241	0.029237	0.00105	-0.005178	-0.00917
136	-0.003606	0.098419	0.060777	-0.039838	0.013764	0.022294	-0.020152	-0.023522	0.077411	-0.0003	0.015938	-0.062399	0.021534	0.031487
137	-0.015753	-0.112932	-0.028352	0.012105	0.032448	-0.04819	-0.08538	-0.013365	0.144384	-0.149417	-0.118262	-0.035543	0.162048	0.022426
138	-0.000444	0.173945	-0.167311	-0.008771	-0.021411	0.060115	-0.108518	0.095931	-0.166097	0.109879	-0.033669	0.095397	0.152522	0.024963
139	-0.038192	0.069985	-0.008312	0.039093	-0.085114	0.04778	-0.113198	-0.036264	0.028652	0.060621	0.133046	-0.031675	-0.035715	0.036053
140	0.100082	-0.104617	0.030371	-0.062066	-0.009949	0.215306	0.021517	-0.104054	0.051283	-0.081741	0.085474	-0.085419	0.127491	0.032486
141	0.035776	0.031774	0.088753	-0.030915	-0.042019	-0.007364	-0.021431	-0.011295	-0.04362	-0.014679	-0.010421	-0.046902	-0.04	-0.083397
142	0.055308	-0.022226	-0.033823	-0.0129	-0.068642	0.051452	0.088067	-0.037488	0.015778	0.062279	0.033219	-0.05392	0.018698	-0.007842
143	0.047116	0.060751	0.012389	0.055574	-0.028084	0.036808	0.02577	-0.046654	-0.050835	0.04073	0.007442	0.009811	-0.12245	0.093841
144	0.076132	0.053228	0.005267	0.02404	-0.003984	-0.023627	0.066563	0.02683	0.057169	-0.038926	-0.010461	-0.033597	-0.086969	0.061886
145	0.028267	-0.027951	0.015814	0.009868	-0.02563	-0.051197	0.029227	0.056664	0.114271	0.044594	0.084798	-0.070653	-0.036818	0.011929
146	-0.027863	-0.056249	0.008588	-0.017913	-0.005276	-0.010006	-0.024396	-0.012475	0.034962	0.01939	-0.020036	0.052462	0.005179	-0.001845
147	0.015186	-0.111065	0.064244	-0.010112	-0.050986	0.071502	-0.027211	-0.063744	-0.104297	0.08447	0.05418	0.053955	0.09336	0.055981
148	-0.002339	-0.032015	-0.022869	0.085409	0.053073	0.024194	0.104025	0.031229	-0.051573	-0.013105	0.134487	-0.155336	0.124702	0.248397
149	-0.004026	0.032039	0.0361	0.054688	-0.059966	0.01011	-0.036414	0.005972	-0.017523	0.000452	0.018087	-0.011917	-0.059812	-0.018696
150	0.000026	0.109651	-0.080354	-0.071996	-0.081147	-0.026905	-0.062651	-0.05674	0.016595	0.04107	0.024555	0.089806	-0.022198	-0.005764
151	0.018026	-0.066313	0.016596	0.002666	-0.028756	0.120269	-0.041144	0.124879	-0.144439	-0.069762	0.185611	-0.008515	-0.183369	0.04511
152	0.124939	0.05853	0.029939	-0.032167	0.038717	0.025342	0.080607	0.04273	0.026436	-0.000732	0.00864	-0.019116	0.003323	-0.040975
153	0.081911	0.03629	0.018897	0.01867	-0.005868	0.082603	0.096641	0.020839	-0.036689	0.044916	0.024123	-0.084195	-0.073408	0.050924
154	0.10263	0.020931	-0.008339	-0.002192	-0.001075	0.005413	0.057268	0.036792	0.04211	0.013052	-0.003483	-0.000606	0.038753	-0.017979
155	-0.046821	0.07123	-0.045259	-0.033065	-0.011814	-0.026056	0.002845	-0.066636	0.055392	-0.012852	-0.033795	-0.064845	0.011334	-0.018536
156	-0.017353	-0.073959	-0.021648	-0.188097	0.04175	-0.034286	-0.03793	-0.05071	0.013648	0.049741	0.003585	0.026315	0.070086	-0.025755
157	-0.030906	0.149824	-0.07608	-0.057544	0.043231	-0.097151	-0.01466	-0.026203	-0.032264	-0.007362	0.076084	0.001427	0.007664	-0.016909
158	0.016685	0.134654	-0.068046	-0.09247	-0.075921	-0.062486	-0.043143	0.051866	0.015307	0.030418	0.052421	-0.013134	0.072727	0.066737
159	0.003447	0.069976	-0.212606	0.094508	-0.13143	0.021959	0.012735	0.026602	0.165282	-0.037649	0.021858	0.092526	0.079238	0.084996
160	-0.139196	0.120758	0.070872	0.026178	-0.045953	-0.139456	0.03815	-0.002749	-0.213162	0.056565	0.17654	0.13527	0.099176	-0.015932
161	-0.056048	0.050318	0.030726	0.044169	-0.015542	0.127595	0.006811	0.154712	-0.056735	0.056921	-0.155054	-0.013044	0.092007	0.070993
162	0.181513	0.04761	-0.017779	0.075163	-0.155573	-0.063714	0.005337	0.07412	-0.140482	0.069447	-0.129033	0.101379	0.074553	0.030773
163	0.122474	0.017287	-0.037694	-0.01659	-0.01603	-0.012908	0.130077	-0.011645	0.01125	-0.013524	-0.001587	-0.010428	0.037957	-0.056389
164	0.061978	0.088476	-0.051121	-0.022347	0.018955	-0.029013	-0.011201	0.00502	0.036512	-0.014758	-0.014938	-0.078235	0.072949	-0.084996

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
165	-0.016135	-0.085152	0.03172	0.024385	-0.023239	0.132241	0.062982	-0.074468	-0.121455	0.096862	-0.013543	-0.104088	-0.035256	-0.169984
166	0.049935	-0.001795	-0.061214	0.020833	0.086239	0.002808	-0.111141	0.135141	0.003183	0.004959	0.06306	-0.012103	0.141095	-0.012239
167	0.000765	0.030498	-0.055892	-0.00684	-0.039456	0.035063	0.067579	-0.146117	0.035554	0.034108	-0.031767	-0.078684	-0.025328	0.035547
168	0.021753	0.062107	-0.020004	-0.041267	0.01738	0.106294	0.102215	-0.011596	0.051574	-0.023643	-0.01208	-0.013901	-0.02155	0.004933
169	-0.000311	-0.007583	0.020587	0.048623	0.003055	0.00472	0.030144	-0.021875	-0.007441	-0.011521	-0.010374	0.050876	-0.014839	-0.000549
170	0.026653	-0.000876	0.029507	0.056457	-0.017292	0.028247	0.03615	-0.007419	-0.001683	0.004068	0.002133	0.025546	0.002245	-0.023209
171	-0.007108	-0.039212	0.028448	0.063734	-0.008285	0.030838	0.100125	-0.019304	0.000453	-0.009523	-0.020949	0.043812	-0.047886	0.008786
172	0.02077	0.019632	0.053166	0.052837	0.031344	-0.038542	0.017479	0.010944	-0.051753	-0.012028	-0.039291	0.055185	-0.09232	0.011572
173	0.009775	-0.004267	-0.009249	0.052906	-0.019052	-0.003852	0.053917	0.038958	-0.033003	-0.031238	-0.0641	0.034839	0.001929	-0.007425
174	-0.01414	0.032986	0.099098	0.051219	-0.021436	0.034639	0.032104	-0.007669	-0.055066	-0.035611	-0.025453	-0.037158	0.045216	0.042214
175	0.040339	0.081125	0.155705	0.07782	0.009445	-0.000333	0.004699	-0.02219	-0.026015	-0.018194	-0.008208	0.032574	0.127629	-0.067798
176	0.003393	-0.01113	0.013416	0.011708	0.114697	-0.008731	0.007351	-0.103547	-0.045512	0.001665	-0.078594	0.023911	-0.077503	0.021868
177	-0.08359	0.079762	-0.086822	0.149581	-0.031739	0.096788	0.023724	-0.012468	-0.063778	-0.1109	0.084788	0.133272	-0.021873	0.004441
178	0.03568	-0.011411	0.019536	0.01755	-0.018719	-0.014791	-0.034194	-0.028889	-0.021846	-0.082367	0.014025	0.006944	0.011139	0.060293
179	0.01679	-0.007823	-0.021728	-0.029199	-0.060195	0.022459	0.049829	-0.022253	0.009495	-0.045369	0.02175	0.00023	0.027282	-0.007171
180	0.02249	0.002805	-0.020112	-0.003012	-0.051153	0.01707	0.011177	0.012654	-0.002023	-0.051429	0.014638	-0.003078	0.061778	-0.001153
181	0.02075	0.006876	-0.033667	-0.0093	-0.045199	0.01495	0.013518	-0.001071	0.005917	-0.062439	0.029787	0.001311	0.032488	-0.002536
182	0.030311	0.05598	-0.036831	-0.029582	-0.035059	0.014203	0.07036	0.017956	0.012899	-0.048602	-0.001961	-0.000219	-0.000832	-0.033485
183	-0.003398	0.022051	-0.03386	-0.064085	-0.011261	0.017126	0.098823	0.011123	0.068024	0.003829	0.026252	0.021718	-0.052082	-0.018364
184	-0.053219	-0.00503	-0.022543	-0.07632	0.012944	-0.071679	0.082273	0.044898	0.036478	0.035827	0.052633	-0.009651	-0.040465	-0.004063
185	-0.006702	-0.049054	0.03964	0.029665	0.0155	-0.033842	-0.008764	0.035901	0.037674	-0.022171	-0.024016	-0.066485	-0.074692	0.011672
186	0.027501	0.01451	-0.017925	0.129224	-0.005023	0.08812	0.043651	0.063768	0.020949	0.042064	-0.040818	-0.049369	-0.050334	-0.070728
187	-0.006031	0.029721	0.052996	0.011392	0.001194	-0.024903	0.010811	0.079877	0.04929	0.063128	-0.015184	-0.00383	-0.020329	-0.037847
188	-0.007647	0.078228	0.113562	0.016994	-0.010341	0.000816	-0.000219	0.043928	0.055318	0.017696	-0.00362	-0.034746	0.033211	0.013884
189	-0.003097	0.118933	0.087457	0.016005	-0.044438	-0.07505	0.046525	0.021737	0.031334	0.049577	0.010193	-0.022904	0.084261	0.015646
190	-0.019582	0.020873	-0.050531	0.004493	0.007089	-0.014435	0.018125	-0.011049	-0.088426	-0.01833	-0.039499	-0.035463	-0.036257	-0.023065
191	-0.055331	-0.017573	-0.016543	-0.016125	-0.001161	0.001074	0.008383	-0.060774	-0.098677	0.016643	-0.008227	-0.045833	-0.056162	-0.041547
192	0.052041	0.042794	0.050308	-0.088557	0.043064	-0.012534	0.05544	0.024467	0.052975	0.011089	0.015427	-0.047718	-0.1066	-0.015863
193	0.06776	0.059564	0.08905	-0.028922	0.052135	-0.038106	0.02596	0.055595	0.041927	0.046137	-0.027	-0.034857	-0.073325	-0.006136
194	0.010016	0.047981	0.098663	0.019558	-0.007391	0.009032	0.064516	0.038969	-0.004101	-0.002569	-0.010918	-0.109719	-0.004788	0.002467
195	-0.089268	0.033382	-0.018248	0.035167	-0.111921	-0.056105	0.000494	0.019354	0.006612	-0.051784	0.023872	-0.043561	-0.005247	-0.053174
196	-0.024694	0.022832	0.000204	0.010924	-0.099596	-0.038957	0.025005	0.004629	-0.027032	-0.025682	0.015992	-0.049029	0.017844	0.008923
197	-0.017305	0.041415	-0.028782	-0.006185	0.002033	0.003216	0.078179	-0.035277	-0.086986	-0.023123	-0.062506	-0.078292	-0.046861	-0.058737
198	-0.03713	0.005121	0.052461	0.094627	-0.02402	-0.077096	0.025789	-0.032811	0.013868	0.002862	0.058906	0.027155	-0.071165	-0.082185
199	0.086939	0.034223	0.086433	0.244543	0.16509	0.038415	-0.039861	0.105656	0.104003	-0.061369	0.053249	0.13923	0.238139	-0.048117
200	-0.011234	0.06553	0.067952	0.078914	-0.039046	0.043006	0.02764	0.0013	0.039471	-0.091232	0.025701	-0.035452	-0.038093	0.01166
201	-0.03554	0.031641	0.151428	0.025278	0.038904	0.080907	-0.12167	-0.024396	0.031844	-0.071415	-0.012528	-0.005509	0.026875	-0.144049
202	0.005063	0.031413	0.040102	0.109297	-0.077724	-0.05081	0.104556	-0.01952	0.00945	-0.020326	0.028531	0.023771	-0.086706	-0.098857
203	-0.072497	0.045399	0.006661	0.057414	0.145962	-0.047396	-0.031507	0.013722	-0.054556	-0.143071	0.086114	0.000551	-0.046682	0.113488
204	0.038594	0.047221	0.040807	-0.054295	-0.133406	0.007406	-0.034474	0.087196	0.103949	0.053817	0.002956	-0.027423	-0.054374	-0.040637
205	0.137008	0.069638	-0.183573	0.003292	0.062987	0.274887	-0.021892	-0.140612	-0.097438	-0.112216	-0.050769	-0.011509	-0.035833	-0.164843

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
206	0.045539	0.078759	-0.021479	0.087944	0.09509	0.038909	0.053859	0.113694	0.076451	0.056787	0.002726	-0.050547	0.016471	0.060833
207	0.181612	0.123798	0.1198	-0.065289	-0.166976	0.127344	-0.160779	-0.013009	-0.045079	0.127487	0.155179	-0.022975	0.042868	0.005948
208	-0.057035	0.103309	-0.020503	0.075862	0.256366	0.047161	0.00197	-0.153614	0.023679	-0.014506	-0.003441	-0.056266	-0.031772	0.013376
209	0.053246	0.086063	0.04795	0.035815	0.055623	0.128405	-0.033144	0.110527	-0.064893	-0.076539	-0.014603	0.085252	0.077412	0.043285
210	-0.063717	-0.007891	-0.068935	0.058624	0.165435	-0.085906	0.045159	0.22336	-0.067539	0.006967	0.028577	0.017317	-0.00654	-0.108972
211	0.157114	-0.050744	0.078964	-0.006837	0.023973	0.029338	-0.183546	0.025177	0.085392	0.011548	-0.048176	0.083599	-0.037314	0.061154
212	0.03195	-0.010303	0.007068	-0.069404	0.139663	0.174281	-0.039505	-0.258158	0.02358	-0.045589	0.107813	0.061239	0.117652	0.016268
213	0.095219	0.038827	-0.108554	-0.166321	-0.063838	0.016911	0.087851	-0.013336	-0.045159	0.01016	0.017914	-0.142644	0.075856	-0.279059
214	-0.006264	-0.019377	-0.033874	-0.025842	-0.048796	-0.04582	0.050103	-0.014244	0.030956	-0.01161	0.011952	-0.024902	0.041894	0.041096
215	0.017934	0.003856	0.009226	-0.065875	0.039778	0.065673	-0.023095	-0.029066	0.006319	0.025295	0.087187	0.004526	-0.03918	0.030837
216	0.075985	0.009232	0.035003	0.030447	-0.029293	0.051423	0.029901	-0.016155	0.05111	0.01715	-0.005866	0.11183	-0.069339	-0.017191
217	-0.013304	-0.054793	-0.013529	0.00196	0.014475	-0.062026	-0.02584	-0.055211	0.034617	0.18427	-0.128402	0.066859	-0.054925	-0.102467
218	0.024545	0.01292	0.004646	0.027648	0.011471	-0.007401	0.002342	-0.035698	-0.003483	0.007469	-0.008743	0.031064	-0.02923	0.000715
219	-0.012371	-0.032488	0.000847	0.051653	0.002373	-0.044947	0.00642	-0.031857	0.006183	0.091552	0.010499	0.030133	-0.032112	0.007737
220	-0.052368	-0.115867	-0.078096	0.000389	0.014139	0.027015	-0.036843	0.075999	-0.004872	0.052817	-0.086632	0.080738	-0.076324	-0.044549
221	0.027469	-0.076102	-0.079788	-0.020872	-0.028588	-0.024222	0.03534	-0.0498	-0.071179	-0.010394	0.001408	0.109452	-0.023193	-0.005736
222	0.105215	0.049367	-0.080786	-0.053113	0.043842	-0.027784	-0.001318	-0.018819	-0.018315	-0.024062	-0.010576	0.002921	-0.033284	0.024946
223	0.067451	0.028212	-0.038775	-0.021057	0.049347	-0.026227	-0.027613	-0.03473	-0.028485	-0.00893	-0.077392	-0.009781	-0.04885	0.050507
224	0.046067	-0.185835	0.030874	-0.065896	0.017684	0.043848	0.078749	-0.025669	0.066869	-0.00731	0.008073	0.037637	0.078033	-0.100253
225	0.036501	-0.185385	0.043864	-0.051832	0.019236	0.044246	0.05762	-0.038524	0.07228	-0.008953	-0.005901	0.047933	0.050303	-0.102373
226	-0.061806	0.014123	0.060152	-0.04244	-0.012305	-0.004186	0.040617	0.071474	0.036148	0.011608	-0.009411	0.004652	-0.039247	0.021246
227	-0.026496	-0.07416	0.117319	-0.160108	0.009849	0.098643	0.11724	0.07693	0.117383	-0.027265	-0.039478	0.149387	-0.004116	-0.086871
228	0.133047	0.037941	0.089362	-0.007399	0.064046	-0.019002	-0.031501	-0.048176	0.019978	0.00989	0.042555	-0.068926	-0.057444	0.041164
229	0.16015	-0.070109	-0.116769	0.093089	-0.046844	0.018753	-0.217473	0.039138	0.058383	0.001186	0.107672	-0.087577	-0.040255	-0.068119
230	0.089583	-0.034347	-0.015552	-0.020574	-0.013576	0.080401	-0.041155	0.046341	0.027287	-0.080273	0.074353	-0.010597	-0.004231	-0.037749
231	-0.040718	-0.009069	0.058408	-0.116745	0.018332	0.027933	0.056107	0.030553	0.008283	-0.019131	-0.091021	0.086186	-0.079149	-0.051341
232	0.114599	0.017396	-0.036427	-0.006454	0.024767	-0.065052	0.033692	0.006028	0.031706	0.05895	0.084216	-0.001887	0.040931	0.000594
233	0.003114	0.074303	0.006737	0.037563	0.019038	0.015784	-0.04148	0.030943	0.000651	0.020141	0.090717	0.01596	0.000704	-0.035648
234	-0.011775	0.082536	0.067209	0.018673	0.047583	0.128197	0.028702	-0.055747	0.007681	-0.035002	-0.027927	-0.044706	-0.012745	0.018713
235	0.048074	-0.006784	0.054942	-0.000883	0.062289	0.086125	0.058251	-0.008431	-0.030864	-0.005245	-0.092137	-0.022641	0.006115	0.0099
236	0.098447	0.006481	-0.074814	-0.008698	0.056246	-0.010927	0.051664	-0.044409	-0.022257	0.023535	-0.058308	0.013902	0.037336	-0.014169
237	0.047921	0.030482	0.053217	0.031776	-0.046216	-0.012807	-0.041592	-0.037926	0.024368	0.055832	-0.093052	-0.023564	0.043021	-0.030905
238	-0.035176	0.011314	0.038027	0.046875	0.001478	-0.05706	-0.039567	-0.058079	-0.022874	0.017089	0.030046	-0.059561	0.02589	-0.005945
239	-0.038825	0.017911	0.040769	0.008757	0.063952	-0.073045	-0.026127	-0.066618	-0.007332	-0.018602	0.032742	-0.052575	-0.01363	0.005365
240	-0.056473	-0.055822	0.026447	0.069871	-0.024578	0.024993	0.054602	0.000226	-0.04357	0.028291	0.046945	-0.008118	0.031936	-0.030752
241	-0.040136	0.05711	0.054113	0.050815	0.003914	0.049053	0.008297	-0.019334	0.001128	-0.009131	0.072854	-0.052333	0.046698	-0.040329
242	0.121264	0.022765	-0.030395	-0.025211	0.06918	-0.014379	-0.017726	0.015273	-0.047381	-0.019912	-0.066481	0.040954	-0.023802	0.018086
243	0.134271	-0.067923	0.044567	-0.017975	0.014457	-0.048646	-0.084439	0.029898	-0.063443	-0.020432	-0.04112	0.004812	0.025873	0.029285
244	0.006571	-0.067599	0.010564	-0.003286	0.01136	-0.017527	-0.0139	-0.043713	-0.039629	0.004431	0.003657	0.069389	-0.019065	-0.007515
245	-0.015936	0.030102	0.00701	0.019703	0.051736	-0.007699	-0.008779	-0.074057	0.01673	-0.057797	0.03012	0.005848	-0.043004	0.03964
246	-0.014853	0.010614	-0.087522	-0.016408	0.008596	0.058611	-0.022721	0.062359	0.009543	-0.045494	-0.021051	0.031877	-0.066138	0.013885

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
247	-0.049494	-0.019632	-0.118609	-0.020025	-0.005636	0.015477	-0.00337	0.048896	-0.008323	-0.060865	0.032507	0.010927	-0.009083	-0.011241
248	0.008935	-0.039549	-0.095236	-0.027052	-0.015258	0.01943	0.024301	0.042984	0.000204	0.000174	0.018926	-0.008879	0.020761	-0.028844
249	0.085944	0.01157	-0.014517	0.009839	0.049227	0.022043	0.053302	0.02308	-0.025371	0.051687	0.022985	-0.020573	-0.010693	-0.007125
250	-0.021622	-0.009745	-0.004023	0.046556	-0.007885	0.05349	0.038957	-0.017968	-0.022238	0.014188	0.01234	-0.010588	0.005113	-0.047731
251	-0.028418	-0.063565	0.051757	0.037857	0.002999	0.030712	0.032774	-0.01997	-0.008758	0.043845	-0.008015	-0.05018	0.058701	-0.053215
252	0.029949	-0.039216	0.035787	-0.013749	-0.003477	-0.081456	-0.010823	-0.045748	0.054889	-0.04695	0.000338	-0.027339	-0.004026	0.007448
253	0.083203	-0.008547	0.011973	-0.00846	-0.032772	-0.018627	-0.058052	-0.034157	-0.042071	-0.007999	-0.019231	0.034596	-0.024769	0.102395
254	0.06979	0.022483	-0.018268	0.022453	0.077377	-0.00847	-0.053778	-0.024285	-0.02473	0.003753	-0.042984	0.023279	-0.044873	0.04629
255	-0.014636	-0.068419	-0.035003	0.020471	0.006741	0.036755	-0.023186	0.018375	-0.046366	-0.01697	-0.027072	0.063971	-0.006267	0.022076
256	-0.10649	0.0167	-0.019166	0.051777	-0.028224	0.069716	-0.05632	-0.056487	0.004223	-0.115819	0.044513	-0.012159	0.001769	0.115778
257	-0.069045	0.050894	0.001794	-0.024553	-0.014911	0.027222	0.052107	-0.036938	0.008474	-0.028194	0.021345	-0.006574	0.000179	0.034149
258	-0.048975	0.018322	0.021315	-0.077086	-0.046704	0.011874	0.061341	-0.025262	0.002495	-0.026924	-0.015321	0.032507	0.042336	-0.026877
259	0.099806	0.027253	-0.001703	-0.006592	0.060751	-0.020606	-0.018225	0.005247	-0.016677	0.00521	-0.025802	-0.041194	-0.029285	-0.030798
260	0.071974	0.023308	-0.014632	-0.007792	0.018223	-0.101587	-0.042098	-0.083694	0.074961	-0.019304	0.020991	-0.017584	-0.065091	-0.031218
261	-0.031179	-0.00256	-0.004138	-0.021643	-0.016638	-0.037682	-0.004505	-0.051757	0.021483	0.016117	0.000222	-0.03527	-0.01976	-0.048218
262	0.037734	-0.010733	-0.021386	-0.026478	0.011425	-0.050422	0.012949	-0.032142	0.01104	-0.007794	-0.011934	0.027336	0.00337	0.004452
263	0.06492	-0.025358	0.000768	-0.025288	0.035257	-0.041161	0.035882	-0.001856	-0.006885	-0.006246	-0.011108	0.027653	-0.014928	0.003994
264	0.103377	0.042192	-0.035707	-0.051727	0.070407	0.01572	-0.009628	0.047005	-0.003497	-0.023175	-0.020695	-0.022409	-0.035911	0.050999
265	0.021493	0.072229	-0.021974	-0.010695	-0.000958	-0.051806	-0.074436	-0.008353	0.006765	-0.030383	-0.049485	-0.053666	-0.040821	0.079297
266	-0.063771	0.023445	-0.037811	0.021381	-0.03457	-0.049269	-0.064543	-0.019451	0.015194	-0.02814	-0.054044	-0.040487	-0.0042	0.035102
267	-0.03959	0.000972	0.038358	0.112616	-0.086492	-0.014245	-0.053488	-0.001114	0.023895	0.043953	0.087128	0.018679	-0.071949	0.099952
268	-0.063447	0.00758	0.05392	0.009619	-0.013023	0.011611	0.049968	0.057813	0.01598	-0.003662	0.00682	0.018612	-0.041372	0.035678
269	-0.04563	-0.005978	0.043726	-0.00577	-0.061614	0.04243	0.05914	0.053355	0.017708	0.029618	-0.002501	-0.013465	-0.020651	0.017259
270	-0.05244	-0.001156	0.070715	-0.05905	-0.042818	0.047759	0.09524	0.070465	0.052249	0.012322	0.00585	0.032854	-0.008757	0.004076
271	0.125803	-0.032351	-0.088658	0.117929	-0.073485	-0.013286	-0.098227	0.034342	0.066514	0.061318	-0.035028	-0.037371	-0.129631	-0.022354
272	0.066367	-0.048819	-0.056274	0.10824	-0.020955	-0.051374	-0.179854	0.038843	0.003565	0.019203	0.071515	-0.117425	-0.042374	0.009784
273	0.053374	-0.064845	-0.052128	-0.003311	-0.002328	0.007673	-0.079103	0.084394	-0.002951	-0.029343	0.060533	-0.050862	0.010186	-0.050979
274	0.05342	-0.069979	-0.055558	-0.018874	-0.015701	0.013272	-0.075721	0.08018	-0.001308	-0.015008	0.060033	-0.061072	0.02851	-0.051581
275	0.071147	-0.047849	-0.005536	-0.090215	-0.032062	0.068102	0.033799	0.101666	0.039598	-0.025779	0.072735	0.024258	0.053281	-0.045344
276	0.113848	0.009386	-0.098993	0.067413	0.044889	0.002616	-0.020169	-0.046315	-0.030171	0.022939	-0.038964	-0.036187	0.028883	-0.024874
277	0.086078	0.099524	0.027762	-0.013532	0.033509	-0.019415	0.001325	-0.035646	-0.005666	0.023894	0.013486	-0.00656	0.0513	-0.012843
278	0.088893	0.054048	0.01589	-0.034715	0.027446	-0.042797	0.010295	-0.066798	0.048531	0.023738	-0.015087	-0.059936	0.082496	-0.000899
279	0.002899	0.005486	0.03798	0.018324	0.039865	-0.083891	-0.004611	-0.052102	-0.016236	0.01794	0.076602	-0.098997	0.085046	0.018151
280	0.147185	-0.050603	0.023458	0.001055	0.003084	-0.002413	-0.06087	0.054591	-0.080633	-0.01123	-0.020155	0.038152	0.037644	0.030637
281	-0.026929	-0.006358	-0.088121	-0.045407	0.030002	0.065482	0.000843	0.139117	-0.018836	-0.052242	0.069762	-0.001582	0.014457	-0.0238
282	-0.017232	-0.017527	-0.076826	-0.039108	-0.010521	0.073638	0.034582	0.105544	-0.026712	-0.07193	0.064473	-0.026403	0.048129	-0.015411
283	-0.03234	-0.045024	-0.101334	-0.081757	0.017982	-0.006533	0.00968	0.088001	0.002313	-0.032847	0.069456	-0.052816	0.070764	-0.000612
284	-0.040351	0.047682	0.014583	-0.011707	-0.003914	0.02868	0.051768	-0.009008	0.012234	-0.021605	0.040843	-0.030134	0.02291	0.036058
285	-0.036067	0.054726	0.024242	-0.032632	0.006085	0.039701	0.061205	-0.019428	0.021175	-0.015805	0.054564	-0.02833	0.02484	0.038503
286	-0.06476	0.063744	0.090545	-0.04263	-0.056631	0.056436	0.067163	0.007429	0.022729	-0.009254	0.035393	0.013106	0.076765	-0.04022
287	-0.064925	0.023594	0.103657	-0.052459	-0.041145	0.007784	0.0736	0.017765	0.033417	-0.015912	0.027626	-0.001501	0.084685	-0.030176

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
288	-0.005203	-0.03391	0.021164	-0.145914	-0.035094	-0.031839	0.095409	0.048221	0.014863	0.016641	-0.021826	-0.015317	0.11648	-0.000989
289	0.005277	-0.025462	-0.014657	-0.007591	-0.003914	-0.045328	0.011261	-0.022139	0.009812	-0.002515	-0.012017	0.024326	0.023052	-0.002934
290	-0.055722	-0.075089	0.057451	-0.0127	-0.072005	0.035157	-0.034743	0.011884	-0.020057	-0.044463	0.013144	-0.008769	0.022781	0.081624
291	-0.05314	-0.075557	0.061249	-0.002867	-0.068296	0.038424	-0.034028	0.021673	-0.021829	-0.049314	0.01132	-0.005003	0.019587	0.083019
292	-0.062544	-0.068303	0.069196	0.000205	-0.05986	0.04472	-0.039804	0.025772	-0.033158	-0.026806	0.029706	-0.037183	0.01954	0.071214
293	0.020308	-0.01261	-0.095175	-0.091273	0.042481	-0.012567	0.035006	-0.04384	-0.082912	-0.05073	-0.030884	0.057027	-0.029104	0.105577
294	0.035454	-0.034654	0.002803	-0.043043	0.016832	-0.019968	0.011527	-0.012684	-0.051589	-0.047287	-0.007418	0.029649	-0.016856	-0.011118
295	0.04567	-0.058975	-0.122578	-0.060162	0.055761	-0.043107	-0.057067	0.004012	-0.086799	-0.059549	0.014776	-0.008052	0.00821	0.021501
296	0.028796	-0.073903	-0.06197	-0.047562	0.029581	-0.001674	0.003729	0.04639	-0.050965	-0.0452	0.040872	0.028819	0.060638	-0.014319
297	0.030743	-0.041102	-0.108786	-0.028446	0.078439	-0.032701	-0.06472	-0.001877	-0.079458	-0.080015	0.00975	-0.034519	0.00688	0.013147
298	0.014305	-0.016048	-0.012165	0.103375	0.022712	-0.038087	-0.043997	-0.052625	-0.009132	0.076851	-0.047553	-0.019063	0.086117	0.04835
299	-0.01966	-0.030992	-0.021315	-0.026674	0.102598	-0.081119	-0.047362	-0.015676	-0.072973	-0.05861	0.037769	-0.03437	0.030358	-0.006902
300	0.006064	-0.025813	0.060911	0.113636	0.006255	0.030219	-0.106391	-0.018537	-0.036401	0.077418	-0.034752	0.017448	0.066924	0.003857
301	0.032577	-0.006532	-0.05648	-0.038533	0.082262	-0.068683	0.015191	-0.061285	-0.05027	-0.038032	0.014786	-0.011372	0.003981	0.059072
302	0.017615	-0.021135	0.004782	-0.029704	0.046813	-0.030197	0.007353	-0.008613	-0.032854	0.010843	0.039241	0.045677	0.022944	-0.005421
303	-0.012108	-0.002103	0.081782	0.023375	0.059808	-0.098749	-0.065092	-0.065847	-0.041586	-0.042076	0.038558	-0.028683	0.048338	-0.038926
304	-0.022764	-0.012629	0.104186	0.000318	0.046835	-0.069089	-0.051042	-0.010562	-0.033378	0.009369	0.047269	0.005799	0.035276	-0.041942
305	0.037244	0.023256	-0.017147	-0.063555	0.126034	0.022088	0.059456	-0.04556	-0.011067	0.014666	0.065678	0.007401	-0.054024	0.047716
306	-0.020165	-0.129783	0.022714	-0.007822	-0.038118	0.062091	-0.049936	-0.01264	-0.003645	-0.038154	-0.011256	0.004102	-0.023964	0.007614
307	0.111518	-0.069442	0.108101	0.018755	-0.140207	0.021794	-0.00816	-0.035038	0.02493	-0.062688	-0.03633	-0.081485	-0.141437	0.038684
308	0.012104	-0.029006	0.043792	-0.011884	0.027613	0.009637	0.010144	0.025369	0.00873	0.028891	0.08834	0.025107	-0.010242	-0.000022
309	-0.003851	0.029011	0.020941	0.013194	-0.004975	0.023299	0.036162	0.036638	0.000636	-0.007333	-0.01868	0.000222	-0.012999	0.002172
310	-0.007321	-0.041253	0.081038	0.018979	0.008631	0.092143	-0.01047	0.025488	-0.048281	0.056668	0.054613	0.029512	0.054101	0.029382
311	0.062478	0.035921	-0.013533	0.039233	-0.027209	-0.004145	0.002251	0.045522	0.040702	-0.081889	-0.052575	-0.058108	-0.017006	-0.026922
312	0.053806	-0.092249	0.069344	0.089696	-0.059193	0.080376	-0.037073	0.010708	0.054161	-0.154132	-0.115115	0.005695	0.022063	0.029839
313	0.011637	0.051255	-0.012828	0.012798	0.030014	0.01547	0.001523	0.049094	0.032602	-0.096383	-0.060773	-0.076331	-0.03226	0.011305
314	0.033887	0.047348	0.086389	0.031714	0.019806	-0.011066	-0.008032	-0.014097	-0.104917	0.005081	-0.054175	-0.092212	0.014382	-0.007181
315	-0.004769	0.068408	0.012826	0.009032	0.011641	-0.004478	0.017505	0.043524	0.00403	-0.062585	-0.067258	-0.045687	-0.03613	-0.006053
316	0.029617	0.070839	0.01963	-0.001095	-0.048663	0.012743	0.138434	-0.032071	-0.160874	0.039108	0.046262	-0.028392	0.063728	0.15797
317	0.019973	0.093627	-0.045116	-0.005104	-0.010699	0.020874	0.047982	-0.021367	0.007083	-0.050134	-0.05052	-0.026757	-0.036841	0.027896
318	0.0604	0.060421	-0.027198	-0.007283	0.037818	0.015415	0.004755	0.017198	0.01108	-0.004023	-0.052752	-0.013387	-0.070552	-0.048376
319	-0.014589	0.074017	0.029102	-0.002594	0.008348	0.002312	0.029613	0.018256	-0.008683	-0.027175	-0.049568	0.008393	-0.034246	0.004988
320	-0.029834	0.06508	0.021627	-0.006204	-0.01452	0.008486	0.012428	0.034129	-0.024945	-0.017697	-0.025672	0.036549	-0.019195	0.022676
321	-0.003329	-0.020496	0.001563	-0.009459	0.036227	-0.025585	-0.032375	0.006641	0.07737	-0.026592	-0.002741	-0.069982	0.029391	-0.027802
322	0.079735	-0.088057	0.046288	0.216624	0.00126	-0.083489	0.089835	-0.124513	-0.006153	0.145483	0.017912	0.152156	0.101507	0.000787
323	0.022637	0.00482	0.018704	0.022929	0.017766	0.012683	0.038184	0.033947	0.063696	0.004033	-0.006943	-0.0869	0.108719	-0.006824
324	-0.050947	-0.09451	0.045914	0.008339	-0.053012	0.077241	-0.012357	-0.116771	-0.04924	0.092258	0.05078	-0.095253	0.082293	0.023245
325	-0.004133	0.044762	0.001156	0.018131	-0.041417	-0.003651	0.014863	0.005025	-0.006268	-0.060266	-0.046827	-0.006017	-0.025999	-0.005838
326	-0.015464	0.008079	-0.014624	-0.015368	-0.074296	-0.043788	0.025009	-0.032491	0.04406	-0.075948	0.0219	0.013603	-0.072682	-0.025568
327	0.024366	0.037996	-0.01476	0.018052	0.01045	0.029398	0.009128	0.034454	0.021511	0.014311	0.022513	-0.045205	0.019515	-0.025597
328	0.071052	-0.095461	0.007755	0.056792	0.053667	0.048118	0.101001	-0.14971	0.045286	0.110363	0.060143	0.060696	-0.010835	-0.020691

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
329	0.029215	0.029254	-0.021104	0.031157	0.01423	0.009963	0.007141	0.033364	0.029149	-0.034937	0.011859	-0.032947	0.044088	-0.02249
330	-0.025214	0.036775	0.008858	0.096852	0.166411	0.06404	-0.039647	-0.034252	0.075916	0.136122	0.124681	0.088114	-0.160071	-0.232681
331	0.006942	0.043049	0.002181	0.031917	-0.047973	-0.012653	-0.001267	0.033814	0.023666	-0.037505	-0.012674	-0.013713	0.007007	-0.00163
332	-0.009627	-0.037637	-0.011904	0.116283	-0.065165	0.057121	0.005982	0.055207	-0.147772	0.119633	0.015608	0.10353	-0.076931	-0.095864
333	0.019949	0.077658	-0.042257	0.026022	-0.039295	0.011631	0.05434	-0.006124	0.015981	-0.038205	-0.040978	-0.013126	-0.039714	0.00068
334	0.031925	0.055512	-0.041455	0.0784	-0.119132	0.051672	0.007496	-0.006806	-0.012698	-0.004528	-0.068573	0.067564	0.006648	-0.051517
335	-0.000654	0.066051	0.026965	0.016561	-0.037395	-0.0027	0.029039	0.029882	0.038024	-0.019787	-0.012197	-0.005503	-0.004039	-0.013503
336	0.00013	-0.01995	0.013758	0.088209	-0.036327	-0.027536	-0.022974	-0.018753	0.068808	-0.053292	-0.04846	0.015322	-0.035478	-0.017724
337	-0.036783	-0.044022	0.027222	0.006459	-0.046919	0.012797	-0.002093	0.011026	-0.085423	0.004583	0.008971	-0.020738	-0.035184	0.044321
338	-0.063598	-0.188603	-0.161478	0.155552	0.025145	0.022915	0.160793	0.044266	0.025723	0.182972	-0.097441	-0.159111	0.07312	0.024826
339	0.042651	-0.00694	0.031814	-0.044317	-0.008777	-0.027158	0.088851	0.038438	0.029683	-0.015984	-0.041559	0.002421	0.081021	-0.018597
340	-0.127092	-0.090523	-0.011467	0.04805	0.062171	-0.008453	-0.174582	0.168402	-0.012025	0.056296	-0.044372	-0.043307	-0.007871	-0.100801

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
1	0.004679	0.003379	-0.021793	0.004162	0.024658	0.004743	-0.027757	0.028369	0.054758	-0.014105	-0.018636	0.024726	-0.013987	-0.001211
2	-0.076035	0.019857	0.037339	0.008095	0.042914	0.03221	-0.042727	0.00822	-0.004492	0.021129	0.027486	0.027643	-0.051439	0.046906
3	-0.028644	-0.011921	0.046397	0.013439	0.017877	0.023913	-0.004573	0.006351	0.041128	-0.016982	-0.002519	0.039108	-0.001658	-0.054432
4	0.057557	0.000469	-0.063349	-0.051533	-0.002024	0.002313	-0.061319	0.040597	0.041518	-0.025484	-0.049419	0.013391	0.010608	-0.002184
5	-0.018513	-0.080459	-0.107376	0.027465	-0.015881	0.154302	0.003594	0.027988	0.026093	-0.053233	0.033378	0.032397	-0.015661	0.183396
6	0.047515	0.078679	0.020187	0.039024	-0.030085	0.004052	0.112325	-0.013117	-0.061844	0.104373	-0.089609	0.111822	0.088346	0.000878
7	0.055221	0.052287	0.044452	-0.058632	0.030351	0.025275	0.064312	-0.006071	-0.00188	-0.014834	-0.07957	0.048681	-0.019348	-0.072386
8	-0.016121	0.00059	0.05576	0.147233	-0.041526	-0.010232	0.053579	0.064702	-0.20904	-0.092989	-0.005671	0.050425	-0.004089	0.134387
9	0.047687	0.017344	-0.053171	-0.120137	0.006372	0.032964	-0.028825	-0.005685	0.04079	-0.102973	-0.103582	-0.057459	0.06695	0.03458
10	0.008293	-0.004937	-0.00115	-0.028811	-0.014844	0.044273	-0.063023	-0.015142	0.031529	0.047923	-0.017836	0.111717	0.011332	0.000602
11	-0.012495	0.118661	-0.049041	0.002113	0.059685	-0.234094	-0.033933	-0.131962	0.027143	0.015095	0.086662	-0.090737	0.053902	0.018108
12	0.005834	-0.117366	0.058789	0.129	0.01154	0.083161	0.08575	0.188144	-0.021562	-0.115045	-0.187393	-0.123941	-0.102077	0.074037
13	0.018458	0.01057	-0.009032	0.020899	-0.002186	-0.011027	-0.017766	-0.022024	0.006936	-0.000198	-0.023686	0.01947	0.017638	-0.000033
14	0.016417	-0.01214	0.012993	0.027102	-0.024147	-0.008351	-0.005435	-0.031354	-0.00911	0.000472	-0.040709	0.007239	0.037851	0.010449
15	0.022675	0.006721	0.003396	0.010622	0.000572	0.027939	0.011816	-0.030323	0.035231	0.000514	0.004333	-0.011308	-0.009229	-0.025846
16	0.035173	-0.116114	0.005363	0.051463	0.024452	0.032349	0.028413	-0.109817	0.078146	-0.085501	-0.208213	-0.007001	0.081753	0.124828
17	-0.025523	0.006672	-0.023292	-0.020791	0.01533	0.017709	0.03077	-0.049538	-0.047994	-0.020885	-0.059214	-0.011469	-0.102956	0.023249
18	-0.025131	-0.053649	0.049683	-0.057534	-0.022561	0.028322	0.10405	0.016342	-0.021297	-0.107868	0.01494	0.031245	0.047513	0.01351
19	-0.050059	-0.004658	-0.016501	-0.021276	-0.063979	-0.044324	-0.033291	-0.016513	0.118566	-0.004034	0.033589	0.018042	-0.040485	-0.045925
20	0.008414	-0.011335	-0.017234	0.006597	-0.008666	0.000142	0.008087	-0.004307	-0.007874	0.005496	-0.002555	-0.005169	-0.006383	-0.011839
21	-0.116054	-0.002348	0.053389	0.033385	0.043917	0.017155	-0.065494	0.02757	-0.034795	-0.047254	0.017535	0.001458	-0.061371	0.038881
22	-0.001078	0.094778	-0.005129	0.007607	-0.080255	0.034113	0.020134	-0.024212	-0.003456	0.152452	-0.012331	-0.020105	-0.016098	0.006775
23	0.102078	0.025111	0.005391	0.000082	-0.112697	-0.026974	0.070814	-0.068007	0.045704	0.070536	-0.130566	-0.018944	0.024889	0.083667
24	-0.008036	0.005115	-0.0393	0.0141	0.072927	0.015244	-0.012937	0.056703	0.007266	-0.051396	0.006038	-0.098589	-0.025171	-0.016647
25	-0.035326	0.021051	0.085185	-0.072453	0.062989	0.048153	-0.024273	-0.047874	-0.021472	-0.056283	-0.018844	-0.038048	-0.031982	0.055882
26	0.00551	-0.011961	-0.026635	-0.000608	-0.001545	0.003485	0.012351	-0.000504	-0.003503	0.005515	0.001086	-0.005613	-0.003621	-0.017596
27	-0.007238	-0.007502	-0.019638	-0.001513	-0.004505	0.022043	-0.002194	0.002915	-0.003835	0.000873	-0.004157	0.00917	0.003574	-0.005159
28	0.015258	0.015409	-0.020968	-0.015112	0.01677	0.021842	0.013118	0.044771	0.001314	-0.049184	-0.012256	0.00787	-0.007086	0.000805
29	0.003165	0.053075	0.022617	0.030731	-0.078638	0.042179	0.044604	-0.021754	-0.007827	-0.036923	0.105107	0.047007	-0.006306	-0.099919
30	0.04426	-0.032218	-0.061515	0.034331	0.004973	0.064726	-0.01487	0.057122	-0.050162	0.067175	0.032014	0.024925	0.00227	-0.025465
31	-0.015035	0.00829	-0.015165	0.018163	0.04475	-0.016341	0.022571	-0.003849	-0.007226	-0.022142	0.039387	-0.011507	-0.017486	-0.002145
32	0.016071	0.001599	0.063342	-0.026881	-0.128715	-0.011919	0.020769	-0.13765	0.036991	0.021263	-0.008755	0.003539	0.096823	0.021656
33	-0.026321	0.014989	-0.009775	0.028333	-0.01284	-0.051366	-0.007418	-0.024405	-0.059849	0.044442	-0.006969	0.007662	-0.000362	0.01628
34	0.010658	-0.012317	0.01136	-0.025279	0.01129	0.023706	-0.04081	-0.023149	-0.002258	-0.019097	0.01992	-0.036322	-0.015777	-0.033615
35	0.097727	-0.018421	-0.124897	0.076666	-0.035149	-0.012788	-0.062995	-0.073836	-0.03973	-0.106889	0.028314	-0.07075	0.087306	-0.004843
36	0.024744	-0.028497	0.04276	0.001364	-0.004822	0.032526	-0.048354	0.052541	-0.01719	0.039157	-0.035709	-0.032017	-0.040704	-0.025928
37	0.026123	-0.028814	-0.011648	0.005528	0.012461	-0.018325	0.032822	-0.012618	-0.015817	0.004012	0.007881	-0.02706	-0.034309	-0.050692
38	0.027976	-0.146547	0.032191	0.007643	-0.088557	-0.068384	-0.102133	0.033431	0.081576	0.089756	0.032086	0.174385	-0.014392	0.190438
39	0.038368	-0.070255	-0.088202	-0.037865	-0.019937	-0.030964	-0.02221	-0.007798	0.023074	0.054052	-0.00364	-0.015256	-0.018684	0.036774
40	-0.036567	-0.019776	0.066363	-0.00544	-0.018267	-0.014908	-0.017663	-0.063927	-0.042318	0.016583	0.056348	-0.049984	0.002378	0.01176
41	-0.088968	-0.026964	0.086427	-0.045554	0.010156	-0.010235	-0.029632	-0.027861	0.00785	-0.017857	0.000579	-0.03383	0.001414	0.013273

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
42	-0.005338	-0.037613	0.03063	-0.026528	-0.091746	-0.048817	-0.020054	-0.007781	0.052192	0.031258	0.008543	-0.063171	0.044314	0.008663
43	-0.055041	-0.010201	0.080264	-0.042869	-0.003336	0.020383	0.006168	-0.03612	-0.033923	0.005124	0.030015	-0.008961	0.014378	-0.011315
44	-0.033122	-0.014879	0.075526	0.029666	0.025313	-0.014947	0.042963	-0.074575	0.022017	0.000246	0.052985	-0.024754	-0.061245	-0.063287
45	-0.048074	-0.041395	0.104614	-0.045362	-0.019782	-0.010855	0.083653	-0.034486	-0.056713	-0.035638	-0.017598	-0.008685	0.030231	-0.041157
46	0.028026	0.044189	-0.003134	-0.017339	0.091736	0.025912	0.102574	0.015129	-0.042641	0.008529	-0.12179	-0.085464	-0.00174	-0.015432
47	0.046473	0.026307	-0.058861	-0.010055	0.033081	-0.026307	0.065292	-0.042605	-0.015076	-0.070933	-0.004403	-0.01367	-0.077518	0.043392
48	-0.015632	-0.040072	-0.074649	0.012909	-0.051625	-0.095299	0.034074	-0.011518	-0.029649	0.011934	-0.062225	0.033918	0.037575	-0.048785
49	0.042406	-0.024475	-0.06902	0.025881	0.003843	0.077235	-0.004173	0.051625	-0.033785	0.045082	0.035507	0.033743	0.022188	-0.03303
50	0.075215	0.052918	-0.025653	-0.023239	0.029036	-0.003838	0.015526	0.000786	0.000912	-0.022517	-0.034935	0.030692	0.026901	-0.015329
51	0.012383	-0.000252	0.051369	-0.038839	0.005784	0.049983	-0.014623	0.01198	-0.045553	0.013424	-0.01805	-0.012684	0.040602	0.004091
52	0.058229	0.083166	-0.028914	0.058613	-0.053019	-0.038815	-0.003395	0.034647	-0.016141	0.005368	-0.037307	0.039249	-0.021473	0.033601
53	0.002804	-0.004505	0.046929	0.010988	0.033104	0.01684	0.034818	-0.016295	0.03104	-0.00444	-0.031463	-0.018102	-0.01755	-0.021484
54	0.035892	-0.066623	0.024907	0.043584	-0.076863	0.012445	-0.046583	0.009513	0.036588	0.017162	-0.02241	-0.047697	0.045917	0.039983
55	0.017848	0.015332	-0.005262	0.035308	0.030883	-0.013533	0.05104	0.038171	-0.01616	0.022236	0.002138	0.024946	0.002503	-0.001647
56	0.015679	-0.000851	-0.061679	0.015921	0.020939	0.095338	0.016053	0.033304	-0.021765	0.0314	0.059917	0.044002	0.025438	0.008894
57	-0.01485	-0.005726	0.003069	-0.011683	0.036016	-0.072231	0.001102	0.029113	-0.048693	0.011735	0.006292	0.03883	-0.030741	0.000797
58	0.05186	0.021911	0.083034	0.000107	-0.01834	0.052865	-0.013979	-0.019695	0.033179	-0.007622	-0.028779	-0.027807	-0.003238	-0.066081
59	0.053609	-0.03476	0.057679	0.02071	-0.027467	-0.095218	0.035331	-0.053196	0.07874	0.083745	0.053994	0.081225	-0.069687	-0.109032
60	-0.019459	-0.005963	-0.017342	0.040066	-0.033205	0.026233	-0.000985	-0.010404	-0.010976	0.008071	-0.016633	-0.028413	0.022186	0.046686
61	-0.012657	0.041087	-0.011335	0.006171	-0.01367	0.068981	-0.021894	0.005469	0.00455	0.032745	0.002696	-0.009188	0.077729	0.001698
62	0.010221	-0.072126	0.056383	0.002948	-0.036617	0.023927	0.07924	-0.001393	0.02685	0.046986	0.017413	-0.039521	0.016447	-0.032533
63	0.035933	-0.001813	-0.072375	0.015153	-0.011961	0.037416	-0.007841	0.070109	0.062292	0.054881	-0.003914	-0.036808	0.050784	0.015572
64	0.01547	-0.003045	-0.029186	0.01785	0.017559	0.092201	-0.003181	0.057696	-0.049964	0.031312	0.029782	0.015312	0.042975	0.010379
65	-0.04635	-0.023167	0.016694	-0.003174	0.063149	-0.050958	-0.014518	0.050132	-0.017945	0.019437	0.012374	0.037396	-0.012626	0.026489
66	0.020168	-0.01303	0.003504	0.057453	0.064626	-0.073549	-0.040365	0.052857	0.099285	-0.002341	0.03914	0.040881	-0.044281	0.004524
67	0.026875	0.032872	0.060672	0.04582	0.047738	0.097469	0.010626	0.043408	0.014892	0.061454	0.029341	0.067166	-0.088287	0.05014
68	-0.09366	0.092231	0.087472	0.000526	0.142765	-0.090551	0.005843	0.039049	0.016298	-0.010598	-0.107728	-0.026164	0.035198	-0.034482
69	0.028799	0.016742	-0.040948	0.010439	-0.019349	0.028138	0.001484	-0.003205	-0.00126	0.030946	-0.003226	-0.003452	0.014788	0.003409
70	0.015403	0.028938	-0.027894	-0.004529	-0.010037	-0.001853	0.005977	0.006967	0.00493	0.017354	0.03223	-0.00518	0.003361	0.012635
71	-0.052687	-0.024496	0.071718	0.086906	0.147311	0.035719	-0.054103	0.00164	0.000481	0.039504	-0.004021	-0.041064	-0.0187	-0.046916
72	0.013038	0.023068	-0.00609	0.044232	0.037917	-0.04502	-0.050807	0.007909	-0.003888	0.015489	0.039368	-0.024417	-0.037256	-0.0213
73	-0.003038	0.050572	0.002566	-0.008601	-0.002194	-0.087635	-0.066177	-0.026867	0.007928	0.035112	0.007803	0.026506	-0.030956	0.059094
74	-0.046033	0.031388	-0.062051	0.111388	0.041715	-0.045837	-0.048476	0.027282	0.058625	-0.184601	0.071876	-0.125095	-0.078043	-0.068813
75	0.012579	0.000907	-0.006764	0.010065	-0.01315	-0.006327	-0.003855	-0.008689	-0.017529	-0.000288	0.012847	-0.002572	0.016485	0.010664
76	-0.005913	-0.000752	0.002052	0.009123	-0.003131	-0.010247	0.010033	0.007375	-0.031186	-0.029671	0.01933	-0.004862	-0.0017	0.001418
77	0.01534	-0.001708	-0.01319	0.006669	-0.013407	-0.008187	-0.002303	-0.006173	-0.021286	0.000008	0.020569	-0.006553	0.011868	0.006232
78	0.015463	-0.002269	-0.010781	0.002697	-0.014449	-0.006196	-0.000075	-0.006705	-0.023516	-0.002152	0.016573	-0.002358	0.009183	0.010177
79	0.009764	-0.002064	-0.010364	0.013177	-0.019382	-0.004679	-0.002677	-0.00098	-0.025786	-0.004913	0.021438	0.002045	0.01406	0.003211
80	0.052016	-0.017833	-0.062947	-0.070847	-0.032781	-0.039777	0.026726	-0.07987	-0.028553	0.127608	0.052545	-0.132237	0.12026	0.123264
81	-0.032645	0.02987	0.00519	-0.051329	0.060583	-0.038663	0.048826	0.061083	0.052966	0.080324	0.074202	0.067688	-0.055905	-0.027688
82	-0.010153	-0.018528	-0.021618	-0.023512	-0.005563	0.00647	-0.016668	0.015696	-0.001569	0.010054	0.006559	0.011451	0.016866	-0.011756

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
83	-0.011014	-0.008896	-0.01251	-0.006976	0.002691	0.016817	-0.013213	0.009461	-0.003762	-0.003016	-0.00104	0.018588	0.014291	0.005732
84	-0.014977	-0.011817	-0.014431	-0.002109	0.000567	0.019988	-0.010432	0.010413	-0.005885	0.000343	0.000203	0.018306	0.014238	0.014832
85	0.021806	0.053455	0.030149	0.021156	-0.019641	0.016823	0.009332	-0.003727	0.006345	-0.011342	0.092056	-0.003442	-0.044547	0.027767
86	-0.021622	-0.013502	0.017271	-0.009528	0.036952	-0.051849	-0.045018	-0.00637	0.006391	0.003653	0.025386	0.042735	-0.021886	0.027963
87	0.004494	-0.036427	0.006902	0.013972	0.056808	0.00001	-0.017346	-0.015351	-0.063784	-0.030323	0.047247	0.002232	-0.026978	0.041973
88	-0.01016	-0.010972	-0.017964	-0.004483	0.009355	0.019067	-0.008981	0.007742	-0.011009	-0.00261	-0.001364	0.021602	0.022613	0.00612
89	-0.004942	-0.004718	-0.014218	-0.005187	-0.000721	0.020466	-0.005454	0.009913	-0.005229	-0.007897	-0.00149	0.013	0.017714	0.001832
90	-0.010009	-0.005749	-0.011342	0.002199	0.005207	0.025968	-0.009121	0.005262	-0.005813	-0.013013	0.010078	0.020646	0.00938	0.016714
91	-0.020408	-0.000067	-0.018921	-0.011149	-0.020496	0.017903	0.004196	0.03267	0.008468	0.010842	-0.006121	0.021187	0.01375	-0.00178
92	-0.02245	0.01674	0.02587	0.011548	0.031241	0.031757	-0.009379	0.034048	0.013066	0.019052	0.023147	0.055086	-0.016281	0.043968
93	-0.001316	0.027594	-0.012031	0.003752	-0.006446	-0.012016	-0.025792	0.012667	0.005326	-0.001155	0.031147	-0.002273	0.02009	-0.016225
94	-0.008352	-0.003564	-0.03448	-0.012558	-0.003104	-0.02225	0.04207	0.043081	0.007455	0.007844	-0.027172	-0.020124	0.026158	-0.027886
95	-0.004619	-0.101229	-0.037001	-0.033975	0.068461	-0.036004	-0.022304	-0.005255	0.004662	-0.001227	0.045829	0.095665	-0.013089	-0.043902
96	0.022717	0.037778	-0.000597	0.046532	0.04126	0.010795	-0.025768	0.062469	-0.103393	-0.038256	0.012071	-0.09947	-0.075144	-0.052058
97	0.075891	-0.020404	0.061624	-0.084256	0.000011	0.064912	-0.023548	-0.006568	-0.059771	-0.036201	-0.005247	-0.088707	0.017537	0.017499
98	-0.006275	-0.073331	0.000624	-0.002455	-0.020855	0.023528	-0.007644	-0.027791	-0.000349	-0.036656	-0.026831	-0.02676	0.01355	0.037102
99	0.04668	-0.028675	-0.014018	0.025844	-0.004859	0.008682	0.002208	0.015864	-0.014611	-0.003805	-0.046647	-0.023959	-0.099611	0.018329
100	0.016711	-0.046147	-0.011443	0.023662	-0.075959	0.005395	0.003206	-0.004225	0.000542	-0.028255	-0.040152	-0.059102	-0.014639	-0.041591
101	0.012839	-0.056529	0.012814	0.008989	-0.00853	0.022319	-0.020671	-0.040246	-0.022525	-0.047435	0.006943	-0.025867	0.040482	0.073021
102	-0.001654	0.016331	-0.070951	-0.03002	0.044629	0.072546	-0.036846	-0.04729	-0.039106	0.079585	0.001065	-0.002839	0.066289	-0.020907
103	-0.02718	-0.103336	-0.051022	-0.058069	0.101101	0.154627	0.000745	-0.002355	-0.09736	-0.030465	-0.065636	-0.038791	0.115547	-0.0709
104	-0.02075	-0.05337	-0.030682	0.082471	0.034938	0.055883	0.067972	-0.054682	-0.046611	-0.015174	0.01915	-0.011841	-0.025518	0.047143
105	0.07211	-0.03824	0.116901	-0.08826	-0.027266	-0.020588	-0.039904	-0.049565	-0.293338	-0.075264	0.047341	-0.020581	0.108177	0.037128
106	0.023599	-0.050661	-0.028445	0.037916	0.046025	0.029917	0.007502	0.091601	0.080282	0.052468	0.055429	0.02927	0.040503	0.063491
107	0.093386	-0.068535	-0.023228	0.017999	0.030624	-0.061847	0.023242	0.09312	-0.051703	-0.020915	0.058051	-0.042688	0.012291	0.070997
108	0.062345	-0.030406	0.026335	-0.023785	-0.022688	-0.096649	0.003785	-0.024826	-0.079063	-0.093446	-0.014029	-0.040402	0.150731	-0.05538
109	-0.068972	-0.081042	-0.058552	-0.040026	-0.117939	0.010581	0.240931	-0.278895	0.084436	0.019724	0.039289	-0.044626	-0.053098	0.077707
110	0.039049	-0.017558	-0.157399	-0.195911	-0.188119	0.107135	-0.199646	0.079713	-0.091606	0.04577	-0.118361	-0.190068	-0.089949	0.02326
111	0.03385	-0.019273	-0.064888	0.085133	0.044937	-0.148096	-0.004792	-0.022214	-0.088031	0.048676	0.111276	-0.046765	-0.026095	0.035911
112	0.155117	-0.040763	-0.008895	0.031112	0.076911	0.048762	0.012094	-0.010592	-0.124693	0.083812	0.103009	-0.032146	0.115304	0.001287
113	0.103495	-0.00154	0.027501	-0.039277	-0.057382	-0.010057	0.018215	0.094522	-0.06104	0.004079	-0.009433	0.069927	0.062345	-0.029386
114	-0.048951	-0.005125	0.013909	-0.00131	-0.006919	0.112295	0.127987	0.033037	-0.014718	-0.162526	0.038013	0.048038	-0.072032	-0.073962
115	-0.130939	-0.06065	-0.066322	0.03283	-0.129843	0.061837	0.063678	0.082518	0.138198	-0.112352	-0.018327	-0.023969	-0.046715	0.070356
116	0.014934	0.015905	0.014789	0.0072	-0.073545	-0.085883	-0.063071	-0.036692	-0.09251	-0.121184	-0.021735	-0.004828	-0.000728	0.105735
117	-0.098006	-0.022252	-0.079499	0.032155	0.070448	-0.069763	0.023023	0.047797	-0.085439	0.080373	-0.000999	0.009427	0.014704	-0.097396
118	-0.022258	-0.011112	-0.049242	0.038342	-0.009007	-0.00517	-0.007568	0.007346	0.016578	0.004428	-0.000089	0.014335	-0.149328	-0.086813
119	0.03322	0.022594	-0.128185	0.023401	0.016855	0.018509	0.066515	0.035516	0.011772	-0.002337	0.029171	-0.074039	-0.033334	-0.029112
120	-0.058774	-0.068676	-0.033776	0.03338	0.019471	-0.124018	0.079862	0.034913	-0.034661	0.044222	0.010478	0.063794	0.035664	0.005818
121	-0.046705	-0.018726	-0.069071	0.032749	-0.017505	-0.057132	0.11842	-0.040917	-0.048401	0.053493	0.006837	0.000272	0.019465	-0.09382
122	0.016127	-0.035467	-0.014304	0.009677	0.026593	-0.042051	-0.02462	0.046723	-0.052103	0.00818	0.013155	0.048927	0.029279	0.011126
123	0.031926	-0.03556	0.001474	0.008187	-0.053665	-0.048406	-0.0116	0.034843	-0.024105	0.050626	0.017714	0.006442	-0.011269	-0.022589

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
124	0.027851	-0.010585	-0.018689	-0.003209	0.034253	0.033444	0.025965	-0.02759	-0.004262	0.003468	-0.018145	-0.022501	-0.022821	0.03957
125	0.010516	-0.020207	0.105562	0.021684	-0.033904	0.031605	-0.062586	-0.105847	0.079236	-0.012753	-0.071722	0.003513	-0.069922	0.024211
126	0.034338	0.01713	-0.027945	0.015926	-0.104322	-0.039587	-0.037063	-0.035711	0.004566	0.000455	0.002088	-0.023185	-0.036831	-0.00622
127	0.043363	0.00835	-0.063065	0.001224	-0.066015	-0.022094	-0.023733	-0.016848	0.000138	0.025639	-0.02093	-0.047821	-0.042013	0.010608
128	0.021855	0.030004	-0.091941	-0.04514	-0.074456	0.004005	0.050058	0.078164	-0.004781	0.024554	-0.000173	-0.070449	-0.041317	0.014649
129	0.109171	0.067453	0.075699	0.137888	0.141366	0.084413	-0.042461	0.056525	0.200782	-0.078757	0.105936	-0.195713	0.114808	-0.100963
130	0.084505	-0.027461	0.02735	-0.089584	-0.014874	0.056864	0.251762	-0.007001	0.173859	-0.100447	0.158291	0.219784	0.013975	0.039959
131	0.106476	0.022378	-0.03734	-0.096087	-0.051935	0.063332	-0.03608	-0.0667	-0.152428	-0.029725	0.058346	0.021526	0.176667	-0.044234
132	-0.045599	-0.018077	0.010093	0.029607	-0.053127	-0.131017	-0.02619	0.0011	-0.030726	0.054323	-0.06186	-0.048531	0.119242	-0.001464
133	0.073924	0.017615	-0.10951	-0.068985	0.016783	0.043076	0.047063	0.00192	0.054893	0.095586	-0.055573	-0.13206	-0.018429	-0.030048
134	-0.021878	0.086684	-0.014377	0.022939	0.183441	0.080638	-0.041487	-0.07709	-0.058467	-0.017653	-0.128712	0.02526	-0.052348	-0.035464
135	-0.028535	-0.042998	0.010805	-0.010829	0.00908	0.001201	-0.01053	0.001654	-0.029784	0.035322	-0.018347	0.035909	-0.001125	0.023477
136	-0.040516	0.014082	0.109233	0.01945	-0.061278	-0.009708	-0.056654	0.09444	-0.098628	-0.03644	-0.005866	-0.031819	-0.048342	0.105878
137	0.045815	-0.011794	-0.057744	0.010875	0.010588	0.141112	0.038589	0.054298	0.040767	0.014913	0.025568	-0.076828	-0.058011	0.004938
138	0.093435	-0.037337	0.105557	-0.017651	0.107261	-0.147693	0.105784	0.03506	-0.012565	-0.168673	-0.096054	0.079989	-0.123778	0.020188
139	-0.001693	0.154684	-0.036529	0.052556	0.02467	-0.056559	-0.097224	-0.172996	-0.089794	0.009333	0.089772	0.049265	0.084232	-0.072216
140	-0.031707	0.068761	-0.028464	-0.164366	0.000746	-0.097904	-0.04525	0.131992	-0.015515	0.052307	0.02082	-0.01175	-0.072294	-0.102107
141	0.042163	-0.044216	-0.066839	-0.081279	-0.13449	-0.07103	0.040692	0.024595	-0.051443	0.089584	-0.070389	0.027841	-0.023749	-0.1049
142	-0.034756	-0.006709	0.054105	0.004891	-0.005294	0.046114	0.021432	-0.037722	-0.057263	-0.063879	0.024745	0.036354	0.050008	-0.026693
143	0.093302	-0.069318	0.102007	-0.011741	-0.006101	0.034505	-0.019492	0.061435	-0.036519	0.01541	-0.040953	0.101189	0.058926	-0.040713
144	0.087127	-0.051625	-0.059563	0.033414	0.00173	0.061484	0.037624	0.081165	0.006886	-0.016954	0.00363	0.029365	0.050166	-0.007217
145	-0.000557	0.003553	-0.058316	-0.058496	0.042716	0.085723	0.002486	0.135941	-0.083652	0.130744	0.017413	-0.030987	0.006299	0.00149
146	0.008108	0.014807	0.008105	-0.015333	0.013543	0.05664	-0.000682	0.011264	0.009164	0.009187	-0.031873	0.028353	-0.027021	0.023618
147	0.003883	-0.027683	0.095417	0.069283	0.03772	-0.025678	-0.013812	-0.053306	0.082437	-0.021023	-0.01389	0.003765	0.058304	-0.011846
148	0.134527	0.091726	-0.085208	-0.085524	-0.016041	0.001921	-0.096263	-0.050069	-0.047021	-0.176059	0.091096	0.164865	-0.076994	0.040048
149	0.032349	-0.017692	-0.06451	0.027231	0.073382	-0.002396	0.058751	-0.029842	-0.075768	0.032397	-0.021307	0.027999	-0.080251	0.065416
150	-0.078482	-0.019849	0.183147	0.019321	-0.078805	0.082412	-0.024833	0.006762	-0.0545	-0.060124	-0.041062	0.152794	0.048433	0.045447
151	-0.057825	0.041469	-0.026495	0.046274	0.110985	0.103113	0.046376	-0.021642	0.010037	0.004675	-0.033185	0.008034	0.011705	-0.042989
152	0.016802	-0.011179	0.000511	-0.004999	-0.046957	0.019358	-0.006737	-0.035357	-0.001301	0.047633	-0.030649	-0.040682	-0.003657	0.036608
153	-0.045087	-0.038502	0.016563	-0.039623	0.005092	0.028267	0.010273	-0.010708	-0.056587	-0.029979	0.038483	-0.028894	0.091065	0.089734
154	-0.029972	-0.00165	0.035282	-0.051473	-0.021889	0.01078	-0.007068	-0.056045	-0.053253	-0.057119	-0.00077	0.02649	0.022055	0.026782
155	0.020462	-0.006116	0.012404	0.028206	-0.069673	-0.00386	0.039023	-0.029119	-0.01631	0.062413	-0.023376	-0.014596	0.06555	0.069469
156	-0.015719	0.056947	-0.008837	-0.017622	0.015157	-0.004888	-0.017573	-0.007741	-0.058975	-0.122691	-0.036921	0.020224	0.03063	-0.066614
157	-0.080995	-0.10956	-0.027868	0.020386	-0.036894	-0.056806	-0.05965	0.119859	0.012653	0.028627	0.019068	0.044851	0.025701	-0.008396
158	-0.203054	-0.168924	0.041766	-0.113569	0.138618	-0.151038	0.049338	0.043701	-0.002838	0.157851	0.011452	-0.077142	0.055944	0.085529
159	0.049016	0.124195	0.034914	-0.016129	0.070694	0.008383	-0.083475	-0.060104	-0.105884	0.13579	-0.062977	0.058983	-0.070772	-0.046494
160	0.259293	0.083051	0.100158	-0.081364	0.031727	0.226976	0.081266	-0.124994	-0.002493	0.05187	0.167402	-0.046281	-0.217177	-0.024488
161	0.106061	-0.022671	0.049972	-0.001823	0.042596	-0.117898	-0.01349	-0.053611	-0.005551	0.00558	0.038271	-0.094518	0.006851	0.136621
162	-0.041602	-0.078988	-0.138139	-0.044968	-0.010582	0.042997	-0.073018	0.019164	0.019011	-0.045619	-0.023289	0.004119	0.11206	-0.078989
163	0.004158	0.004573	-0.040667	-0.001915	-0.006209	0.082209	0.058838	0.012823	-0.083147	0.03408	-0.079572	-0.085019	-0.001971	-0.005112
164	-0.103209	0.073356	-0.030328	-0.034284	0.027105	0.062169	0.047059	0.020788	-0.064414	0.008837	-0.031649	-0.091271	-0.004691	-0.078506

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
165	-0.04189	-0.067643	0.121422	0.111537	-0.005886	0.042882	0.120828	-0.046859	0.029897	-0.073668	0.062662	-0.221802	0.133049	0.054003
166	-0.00918	-0.062701	0.036613	-0.172656	0.017614	-0.005776	0.090704	-0.026428	0.022935	-0.052806	0.05527	0.050087	-0.010091	-0.028225
167	0.092427	0.058519	-0.059558	0.031306	0.05287	0.074203	0.112155	0.041529	0.03956	-0.069967	-0.009344	0.081114	0.021751	0.146616
168	0.085607	0.053036	0.030948	0.044846	-0.046219	-0.098948	0.02744	0.068776	0.041542	-0.125689	-0.035556	-0.02358	-0.128312	-0.07773
169	-0.021359	0.000041	-0.01452	-0.011097	0.024419	-0.029886	0.01558	0.0125	-0.025535	-0.004824	0.042968	0.041389	0.015072	-0.004339
170	-0.026747	0.005401	-0.003232	-0.008251	-0.00272	-0.014178	0.037694	-0.006134	-0.005279	0.003607	0.067436	0.022502	0.028117	0.011534
171	0.014408	0.033839	0.048586	0.026537	-0.037269	-0.064246	0.023622	0.01464	-0.0194	-0.003235	0.027764	-0.005599	-0.032858	-0.068524
172	-0.044071	0.052991	0.016237	-0.016454	0.039906	0.001845	0.041318	-0.001985	0.015192	-0.014145	-0.009375	0.017723	0.032111	-0.000474
173	-0.038386	0.081316	-0.020441	0.010366	0.002146	-0.017562	0.004216	-0.044271	0.05266	0.056265	0.011126	-0.034485	-0.001963	0.003964
174	-0.025572	0.177795	0.004607	-0.010002	-0.040673	-0.05019	0.01774	-0.034366	0.081846	0.045954	-0.035635	-0.044533	0.064719	0.048614
175	-0.075745	0.155487	0.088534	-0.006651	-0.053551	0.045949	-0.045152	-0.014172	0.094007	0.086291	0.000655	0.064222	0.090406	0.093406
176	0.007607	-0.004209	0.094161	0.024108	0.027371	-0.053071	-0.024396	0.033676	-0.03064	-0.025651	-0.007707	0.044107	0.00184	0.061671
177	-0.118552	0.007675	-0.054834	-0.04841	0.098928	-0.008946	0.077625	0.093871	0.059055	-0.003203	-0.071362	0.064173	0.064963	0.127827
178	0.002442	-0.090509	-0.051765	0.019876	0.038384	-0.003478	-0.038611	-0.005193	0.042892	-0.000193	0.016155	-0.015006	-0.002194	0.090309
179	0.0149	-0.047163	-0.02404	0.01138	-0.040228	-0.03718	-0.003872	0.01941	-0.027193	-0.029918	0.022452	0.008744	-0.018037	-0.023984
180	-0.001876	-0.060965	-0.039008	0.00222	-0.007545	-0.013364	-0.040361	-0.020727	0.007575	-0.017528	0.036073	0.013859	-0.010393	0.044002
181	-0.009043	-0.045318	-0.030752	0.014492	-0.020482	-0.026478	-0.026624	-0.021325	0.013449	-0.006822	0.009548	0.002971	0.006005	0.042511
182	-0.016674	-0.01485	-0.007983	0.026902	-0.021704	-0.01928	0.018164	0.006151	0.021698	-0.022346	-0.002137	0.005852	-0.006022	-0.010611
183	0.007531	-0.010521	0.029983	0.058569	-0.070199	-0.053857	0.035688	0.043566	-0.060142	-0.038582	0.017221	-0.018807	-0.036261	-0.139881
184	0.095376	0.016324	0.13403	0.0374	-0.051188	0.000011	0.004356	0.040634	-0.019482	-0.039943	0.001427	-0.065236	-0.056095	-0.110329
185	0.020086	0.104893	-0.061568	-0.010215	-0.012787	-0.021906	-0.00851	0.057213	-0.056159	0.041157	-0.077482	0.11107	-0.057057	-0.008474
186	-0.005809	-0.07566	0.00356	-0.046993	-0.040818	0.012002	0.006846	0.015896	0.116435	-0.056329	0.124959	0.059959	-0.10374	-0.045048
187	-0.097177	-0.012637	-0.022877	-0.022483	0.08194	0.055102	-0.039569	0.017623	0.015328	0.010653	0.040337	-0.005364	-0.009997	-0.022117
188	-0.061652	0.080731	-0.039839	-0.071815	0.032006	0.048663	-0.022229	0.028373	0.013279	0.004352	-0.001879	-0.006749	0.047067	0.003185
189	-0.037915	0.118749	0.037355	-0.095227	0.003177	0.023794	-0.056216	-0.026185	0.007563	-0.044709	-0.019978	-0.007991	0.111953	-0.017486
190	0.020345	0.01883	-0.014934	-0.006832	0.036409	-0.007189	-0.016433	-0.043974	0.012594	-0.023777	0.007768	0.055502	-0.003131	-0.009889
191	0.012652	-0.038895	-0.019314	-0.021656	0.091519	-0.018475	-0.008879	-0.051637	-0.006575	-0.052537	0.065763	0.0373	-0.020404	-0.027137
192	0.104112	-0.066118	0.058528	-0.017383	-0.056539	0.019305	0.028495	0.045986	-0.024491	-0.018232	0.002754	0.058426	-0.086933	-0.028848
193	0.019189	0.001046	0.008975	-0.051926	0.041982	0.043217	0.016779	0.030116	-0.090774	0.053906	0.058196	0.046505	-0.025721	-0.010027
194	-0.067159	-0.027816	-0.001969	-0.056437	0.041383	0.035449	-0.075114	0.035591	-0.064816	0.039262	0.053381	0.100111	0.034263	-0.025188
195	-0.05825	0.065143	-0.019468	-0.07228	-0.061321	-0.02599	-0.045391	-0.081682	0.030785	0.036688	0.028912	0.023671	-0.002333	-0.017289
196	-0.000019	0.049382	-0.035544	-0.00999	-0.01608	0.013631	-0.00417	-0.047222	0.020538	0.003471	-0.039265	0.058439	0.057763	0.025254
197	-0.005418	-0.013091	-0.082524	0.008581	0.051632	-0.027648	0.027219	0.011359	0.008089	0.045582	0.008824	0.044488	-0.031131	-0.026818
198	-0.031286	-0.049688	0.030297	0.019539	-0.030116	-0.042166	0.027362	-0.072812	0.084879	-0.048582	0.010766	0.021768	-0.055681	-0.006239
199	-0.010865	-0.01674	0.003621	0.069849	-0.042966	-0.010847	-0.030676	0.137369	0.030431	-0.049165	0.020605	-0.048504	0.154296	-0.036562
200	-0.021769	-0.001268	-0.003974	-0.017736	-0.00594	-0.000821	0.067254	-0.075048	0.042005	0.014974	0.013441	-0.157372	0.022396	-0.04899
201	0.081377	-0.145045	-0.002407	0.114289	0.061242	-0.147384	-0.051246	-0.285383	-0.151115	-0.104647	-0.022264	-0.068783	-0.125543	0.031864
202	-0.037962	-0.024448	-0.022463	0.03383	0.054801	-0.006049	0.061321	-0.079845	0.062723	0.032415	-0.009507	-0.014456	-0.018318	-0.019649
203	-0.051311	0.005698	-0.098031	0.021374	0.056019	-0.089768	-0.080469	0.103357	-0.001993	-0.038091	0.081186	0.011796	0.139159	-0.122483
204	0.125753	0.026323	0.034415	0.252451	0.006016	0.027194	-0.017828	-0.118665	0.038847	0.013118	-0.15105	0.177802	0.042012	-0.140981
205	-0.056306	-0.031206	-0.059495	-0.143134	-0.166569	0.127964	-0.007403	-0.179565	-0.031725	0.028833	0.025651	0.025579	0.016878	-0.241319

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
206	-0.088579	0.059428	0.01989	-0.114517	-0.110955	-0.044763	-0.062325	-0.049036	0.019604	-0.079087	-0.088294	0.028623	-0.068324	-0.040505
207	-0.085948	0.140735	-0.108681	0.270228	-0.126833	0.031823	0.150144	0.109486	-0.083748	0.058026	0.011941	-0.025021	-0.019289	-0.009861
208	-0.028372	-0.023055	-0.081882	0.059036	-0.046912	0.036105	-0.020285	-0.041085	0.094	0.063683	0.037141	0.060077	-0.02838	0.01416
209	0.178119	-0.172378	0.098874	0.132493	0.071684	0.015094	-0.074193	-0.029217	0.000515	0.136769	-0.318629	0.080608	-0.021364	-0.104442
210	-0.00845	0.113993	0.146485	-0.006152	0.061926	0.007759	-0.153466	0.01492	-0.093706	0.031884	0.037928	-0.021819	-0.147658	0.14277
211	-0.049867	0.004951	0.005037	-0.020017	0.08246	0.032069	-0.005528	0.040307	-0.14772	0.016652	0.095583	-0.020155	-0.113014	-0.016463
212	-0.010212	-0.023748	0.071623	-0.035237	0.022202	-0.074688	0.049225	0.11404	-0.154643	0.021324	0.049282	-0.068456	0.022719	-0.190714
213	0.236919	0.044696	0.084286	-0.145334	0.221917	-0.15669	-0.013269	0.122013	0.220387	0.071869	0.042244	-0.122668	0.042438	0.086728
214	0.018799	-0.065453	0.009736	0.006578	-0.050993	-0.005639	-0.012766	-0.001342	-0.026127	-0.06092	0.00393	-0.023774	-0.025574	-0.018822
215	-0.02928	-0.094224	0.034618	-0.002546	0.002445	-0.054171	-0.061	0.00015	-0.026299	0.029985	0.04615	0.025668	-0.036995	0.010687
216	0.05976	0.018215	-0.084218	-0.001012	0.044168	-0.034768	0.010952	-0.018297	0.056857	-0.012471	0.058933	-0.008607	-0.106554	0.005749
217	-0.047084	0.027863	-0.122371	0.024513	0.047185	0.0281	-0.073907	0.041902	0.018715	0.031237	0.054995	-0.008249	-0.038593	-0.110423
218	-0.019782	0.005443	-0.019593	-0.008793	-0.029019	0.013994	-0.020487	-0.011114	-0.028398	0.020721	0.018774	0.043308	0.006879	0.042238
219	-0.002117	-0.03854	0.029418	0.006812	0.000975	0.006524	0.00035	-0.015084	0.028671	0.034446	0.04823	0.026963	0.019799	-0.013639
220	-0.064837	-0.011135	-0.018508	-0.007344	0.015322	0.085588	-0.009132	0.011894	0.022332	0.057155	-0.005545	-0.034352	-0.038553	-0.072789
221	-0.013499	0.019846	-0.020165	0.014517	-0.03886	-0.080263	0.019058	-0.04961	-0.021164	0.043393	0.031652	0.045738	-0.021365	-0.003161
222	0.062644	-0.011493	0.009657	-0.02571	-0.008562	0.022473	-0.009884	-0.010725	-0.015085	0.051406	-0.01593	0.02116	-0.018026	0.0273
223	0.010013	-0.012741	0.042442	-0.0259	0.018748	-0.001501	0.019656	-0.029711	-0.017408	0.095393	0.002898	-0.010567	0.044546	0.049514
224	-0.00008	-0.034001	0.049973	0.004084	-0.113111	0.010569	0.009737	0.04507	-0.016586	-0.03325	0.099447	0.002294	-0.003697	0.104164
225	-0.002584	-0.036471	0.050421	-0.027405	-0.120284	0.013638	-0.005388	0.055975	-0.010082	-0.051946	0.105033	-0.014781	-0.014703	0.065914
226	0.028768	-0.005955	0.055954	-0.067555	0.003503	0.016453	-0.011028	0.005915	0.002624	0.018014	-0.036191	0.011137	0.061686	-0.025907
227	-0.04459	0.035349	0.055894	-0.023526	0.054071	0.06094	-0.063868	0.007157	-0.094305	-0.05603	0.00849	0.066122	0.07255	0.028335
228	0.004153	0.058666	0.036229	0.005963	0.007379	0.075546	0.061788	-0.036445	0.082405	0.047	-0.006317	-0.045039	-0.00589	-0.009743
229	0.085045	0.006952	-0.08699	-0.055285	-0.040733	-0.035235	-0.057115	-0.019437	-0.016387	-0.054179	0.033773	-0.029043	0.054281	0.068229
230	0.023284	0.054425	-0.101615	0.007718	0.043637	0.036477	-0.025024	-0.066021	-0.013531	-0.09085	-0.000048	0.011295	-0.01673	0.073666
231	-0.066924	0.051481	0.08658	-0.043298	0.110757	0.025593	-0.012749	0.024328	-0.011091	0.035423	-0.078815	0.03495	0.052561	0.034083
232	0.057161	0.021767	-0.044608	-0.042125	0.037184	0.022956	0.044474	-0.035092	0.039029	-0.016776	0.001413	-0.059316	0.026197	0.047118
233	-0.029916	0.027846	-0.027461	-0.006577	0.06416	0.043423	0.043396	-0.04408	0.005378	-0.052093	-0.024263	-0.05147	0.013331	0.037445
234	-0.082375	0.011252	0.090972	-0.029642	-0.007302	0.060215	0.024337	0.020549	0.065979	0.049017	-0.068008	-0.030493	-0.025533	0.04874
235	-0.132477	0.004272	0.088749	-0.014022	0.052237	0.034235	0.05078	0.022278	0.045814	0.069785	-0.024224	0.031958	0.004191	0.00186
236	0.02697	0.084504	-0.013486	-0.004559	0.019096	0.007387	-0.071327	-0.021834	-0.013251	-0.063982	-0.000602	0.096061	0.017929	0.03806
237	0.021978	0.048356	0.01841	-0.028851	0.01167	-0.008836	-0.067835	-0.022778	0.011438	-0.009116	0.085489	0.009934	0.002089	0.021953
238	-0.020762	-0.023494	0.029864	-0.024141	0.056763	0.036382	-0.00716	-0.032321	-0.013648	-0.026415	0.007969	-0.004526	0.013012	-0.004461
239	-0.018084	-0.01787	0.021258	0.013131	0.067733	0.018196	0.003833	-0.029836	-0.000608	-0.005324	-0.024165	-0.019551	0.007812	0.012525
240	0.016703	-0.011118	-0.121306	0.062696	-0.019275	0.002822	-0.043522	0.037197	0.047557	-0.092195	-0.004899	0.025202	0.02076	0.002906
241	0.029907	0.040643	-0.079978	0.030753	0.001234	-0.031438	-0.028836	0.034413	0.059438	-0.112923	-0.03725	-0.014947	0.023438	0.041759
242	-0.043212	0.078486	0.073075	-0.022158	0.0671	-0.019287	0.045928	-0.068702	0.035074	0.02445	0.015092	0.023624	0.003361	-0.065599
243	-0.063583	0.006095	0.089101	-0.014226	0.032031	0.010495	0.086232	-0.058979	0.001044	0.052608	0.006984	0.032098	-0.017199	-0.01413
244	-0.004155	-0.045969	-0.006144	-0.006739	0.046976	-0.047546	-0.011249	0.002902	-0.008606	-0.016326	0.042415	0.046177	-0.037479	-0.025991
245	0.06111	0.042544	-0.022148	0.011484	-0.01065	-0.039898	0.022406	0.030074	0.011565	-0.075865	-0.071752	0.012915	0.031541	-0.036131
246	-0.012715	0.051738	0.044513	0.003533	-0.06794	0.070019	-0.011518	-0.041845	0.01208	-0.015175	-0.030379	-0.067777	0.006792	-0.026613

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
247	-0.01942	0.015991	0.054947	0.026437	-0.040626	0.038895	-0.043656	-0.001791	0.006981	0.02005	0.004504	-0.008306	0.048559	0.019748
248	-0.020144	0.010295	0.028256	0.012685	-0.016144	0.037044	-0.037068	-0.004829	0.007337	0.019063	-0.009131	0.019959	0.036509	0.013999
249	0.075847	-0.019194	-0.063012	0.023064	-0.005288	0.053588	-0.060665	0.040354	0.027032	-0.091209	-0.045968	-0.011029	0.057096	0.07032
250	-0.017307	-0.026455	-0.035274	0.07608	-0.022583	-0.003361	-0.078443	0.053602	0.058771	-0.066146	0.00227	0.00625	0.002708	0.02112
251	-0.038251	-0.023109	-0.067097	0.070287	-0.010082	-0.033187	-0.028993	0.023355	0.069617	-0.061441	0.01023	0.061412	-0.005187	-0.017551
252	-0.020227	0.110348	-0.054307	0.026843	-0.03375	-0.118086	0.003884	0.004792	0.016909	-0.02217	-0.120649	0.07986	0.012399	-0.00429
253	0.07062	0.019531	0.022121	-0.064041	-0.027499	-0.056277	0.036871	0.047488	-0.047459	0.039253	-0.054793	-0.020984	-0.057609	-0.007941
254	0.02765	-0.050906	0.057575	-0.010003	0.032022	0.01369	-0.011533	0.013261	0.000908	0.010126	0.051607	-0.022101	0.020587	0.043759
255	-0.035275	-0.017139	0.037284	-0.015745	0.012646	-0.002279	0.000608	0.013479	0.015774	-0.011113	0.029218	0.021997	-0.012626	0.007235
256	0.055794	0.079452	-0.012781	-0.062834	-0.0977	-0.055381	0.034565	0.02791	0.002224	-0.04349	-0.081838	-0.018064	0.002538	0.00876
257	0.00237	0.003009	-0.025913	0.00182	-0.030881	0.026057	-0.003577	0.025108	-0.021626	-0.019248	-0.02632	-0.005984	-0.070734	-0.030029
258	0.00836	0.001696	-0.052694	-0.008171	-0.005737	0.007952	-0.071405	0.033627	-0.021979	-0.0092	-0.002542	0.029244	0.004389	0.041596
259	0.011133	-0.020734	0.000333	0.015277	0.01804	0.041876	-0.013996	0.019859	0.016071	-0.014144	-0.000117	0.021592	0.024415	0.023824
260	-0.04456	0.073571	0.017566	0.066783	-0.039979	-0.031671	-0.027838	0.024001	0.031264	-0.041212	-0.065181	0.032199	0.029433	0.021865
261	-0.045754	0.116203	-0.035694	0.045887	-0.018216	-0.038835	-0.058286	0.008155	0.007418	-0.033004	-0.035998	0.015142	0.026321	0.003741
262	-0.010859	0.077018	-0.008855	0.034751	-0.001839	-0.01513	-0.049805	-0.029647	-0.010959	0.008811	-0.048465	-0.016633	-0.001919	0.029503
263	-0.023955	0.03956	-0.012021	0.024569	0.013313	-0.001281	-0.020102	0.00052	0.00156	0.015475	-0.037435	-0.002596	-0.04075	0.001881
264	0.066252	-0.072115	0.048937	-0.022176	-0.004694	0.07435	0.00304	0.076816	-0.013074	-0.024268	-0.037558	0.016549	-0.051625	0.032329
265	-0.000719	-0.001469	0.10338	-0.045387	-0.010516	0.073371	-0.021355	0.031371	-0.024378	-0.04249	-0.011947	-0.049215	-0.01886	-0.002431
266	-0.04217	0.042194	0.065714	-0.018867	-0.023002	-0.012727	-0.057436	-0.01717	-0.015095	-0.023091	0.020886	-0.065643	0.003108	-0.040439
267	0.103601	0.017246	0.083304	-0.072722	-0.064555	-0.05145	-0.016034	0.081208	0.011948	0.058218	-0.079407	-0.07156	0.030922	0.038122
268	0.015401	-0.007128	0.061235	-0.030113	-0.018012	-0.011534	0.02609	0.032777	-0.000513	0.041904	-0.033975	-0.009146	0.042803	0.010141
269	-0.013972	-0.006314	0.065455	-0.028501	0.000812	-0.019255	0.043824	0.024629	-0.000275	0.047293	-0.029236	0.002177	0.045252	-0.021654
270	-0.044351	0.005857	0.047321	-0.003444	0.037608	0.018634	-0.010586	0.030781	0.007038	0.015481	-0.047484	0.029824	0.028857	-0.020062
271	0.050384	-0.076336	0.13658	0.024505	-0.10746	-0.098147	-0.080305	0.130651	0.076835	-0.022913	0.029056	-0.071207	-0.066398	-0.014965
272	0.066493	-0.033576	-0.037944	-0.030051	-0.068247	-0.049124	-0.00507	0.052282	0.011914	0.034719	-0.005319	-0.042471	0.070477	0.024838
273	-0.027682	0.013257	-0.041715	0.031261	-0.008504	0.017146	0.00959	-0.023321	0.003785	-0.016378	-0.00502	0.030886	0.043225	0.044904
274	-0.033562	0.005578	-0.037498	0.027038	-0.002578	0.018548	0.004534	-0.033254	0.013009	-0.026812	-0.00451	0.035979	0.043837	0.035789
275	-0.049849	0.042206	-0.117968	0.037405	0.050024	0.050993	-0.031667	-0.033305	0.01497	-0.075961	-0.020157	0.058154	0.011193	0.041079
276	0.048329	0.036747	-0.024097	-0.018052	-0.015704	-0.035803	-0.050782	0.040618	-0.027235	-0.041903	0.004392	0.079436	0.025273	0.055652
277	0.001665	0.0196	-0.011359	0.042255	0.000349	-0.069649	0.042814	0.007508	-0.019993	0.021644	0.05595	-0.006741	0.014529	0.041521
278	-0.003914	0.019549	-0.038013	0.090393	0.058016	-0.059881	0.06121	-0.03999	0.007639	0.021215	0.009789	-0.015978	-0.001834	0.031725
279	-0.022037	-0.055142	-0.004168	0.028722	0.057014	-0.022967	0.043411	-0.009773	0.022424	0.004827	-0.031121	0.003709	-0.011573	0.008358
280	-0.049895	0.00899	0.059684	-0.058186	0.004029	0.009305	0.144893	-0.040016	-0.029169	0.054899	0.059001	-0.04212	-0.063632	0.01093
281	-0.022283	-0.052458	-0.003017	0.016342	-0.041033	0.033347	0.04045	-0.017987	0.024888	0.023911	-0.018474	-0.086593	0.029002	0.001501
282	-0.048773	-0.046171	-0.041033	0.057682	0.041239	0.016247	0.076027	-0.034544	-0.008468	0.05984	-0.076595	-0.073963	0.004908	-0.030039
283	-0.003476	-0.018433	0.030466	0.0433	0.014728	0.002218	-0.000031	-0.050535	0.019069	0.033041	-0.024606	0.021015	0.04326	0.001629
284	0.015803	-0.032287	-0.039175	-0.001407	-0.032537	0.009827	0.055988	0.032177	-0.022656	-0.022672	-0.024904	-0.002974	-0.074137	-0.041534
285	-0.006762	-0.04134	-0.025707	0.033539	-0.009554	-0.003121	0.042049	0.001759	-0.016737	-0.005422	-0.032605	0.000323	-0.097312	-0.034262
286	0.012635	-0.094375	-0.094552	-0.003551	0.034615	-0.019751	0.016382	0.064576	-0.048314	0.005201	-0.008154	-0.025919	-0.040361	0.008941
287	0.0193	-0.08138	-0.078458	0.006482	0.046344	-0.014259	0.019468	0.015274	-0.027668	-0.001738	-0.040236	-0.017834	-0.064043	-0.000437

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
288	0.018345	-0.01311	-0.05791	0.019765	0.01812	0.000965	-0.04476	0.017191	-0.025032	0.020797	-0.001968	0.047441	-0.005125	0.022804
289	-0.040947	0.012389	0.011829	0.012273	0.00848	0.008307	-0.063019	-0.029039	0.015116	0.002076	-0.031294	-0.000487	-0.011956	-0.005599
290	0.061516	0.006154	-0.004175	0.012727	-0.017324	0.023677	0.035731	0.044642	-0.035333	0.105173	0.115719	0.028398	-0.001472	0.060413
291	0.063305	0.008505	-0.007939	0.010709	-0.024377	0.019069	0.035645	0.052503	-0.028926	0.10365	0.116396	0.028093	-0.004268	0.053389
292	0.063003	-0.008248	0.013581	-0.005284	-0.011498	0.043434	0.018639	0.07085	-0.052003	0.083197	0.11202	0.032919	-0.017165	0.05722
293	0.017497	0.04163	0.046656	-0.004836	-0.045192	0.001823	0.00926	-0.001321	-0.031529	-0.02073	0.013117	-0.05206	0.084498	0.069956
294	-0.03586	0.038433	0.08295	-0.015577	-0.023969	0.044549	-0.042566	-0.036413	-0.007146	0.01093	-0.023452	-0.035133	0.031116	0.033086
295	-0.025141	0.065852	-0.009962	0.01421	-0.030877	0.019129	0.028908	-0.042494	-0.000782	-0.046769	-0.002543	-0.022136	0.052947	0.023145
296	-0.012033	0.06831	-0.0259	0.025995	-0.000965	0.04109	-0.014736	0.009697	0.060176	0.04404	0.007609	0.051118	0.057328	0.047543
297	-0.004562	0.042903	-0.029573	0.018737	-0.021409	-0.004089	0.007335	0.001366	-0.013598	-0.015258	0.004637	-0.048882	0.032483	0.028505
298	-0.035344	-0.038389	-0.012279	0.084166	-0.007027	-0.017588	0.065864	-0.045576	-0.067656	0.038767	-0.031129	-0.044814	0.006217	0.067016
299	-0.010713	-0.003899	-0.00165	-0.036629	0.021534	-0.021599	0.011074	0.011609	-0.006798	-0.052388	-0.001596	-0.005379	0.067647	0.010628
300	0.02962	-0.043992	-0.032206	0.033147	0.035421	0.042862	0.046481	-0.075779	-0.087824	0.031548	0.021076	-0.058091	-0.003789	0.033608
301	-0.024497	0.029549	0.018204	-0.003942	-0.043877	-0.013794	0.037471	-0.025673	-0.017495	-0.038299	-0.023362	-0.030838	-0.009835	-0.029317
302	-0.036135	0.016708	-0.026183	-0.001744	-0.005463	0.040951	0.019211	-0.035091	0.041978	-0.00329	-0.014079	0.000496	-0.057441	-0.045999
303	0.006767	-0.043999	0.002194	-0.052184	0.043918	-0.067859	0.021072	0.028123	0.010831	0.019667	-0.052399	0.011341	0.04168	0.000669
304	0.005189	-0.029573	-0.026464	-0.062146	0.025831	-0.017931	-0.002664	0.003435	0.016253	0.020219	-0.057038	0.015281	0.027201	-0.006763
305	-0.010932	0.066657	-0.063278	0.059467	-0.038129	0.022067	-0.018717	-0.016517	0.089423	0.049572	-0.001772	-0.05748	-0.041687	0.013323
306	0.046595	0.026723	0.001683	-0.010209	-0.013843	0.019106	-0.029202	0.019581	0.090473	0.023225	-0.034142	0.019475	-0.013937	-0.043782
307	0.067454	-0.095112	-0.137347	-0.282705	0.214758	-0.112276	0.080189	-0.067768	0.108842	-0.102627	-0.100036	0.045223	0.04912	-0.051617
308	0.013154	0.01785	-0.010939	-0.027457	-0.002579	0.013496	-0.012956	0.024117	0.045738	-0.005613	0.000748	0.002776	-0.050816	0.029726
309	-0.03402	0.007234	0.008892	-0.003271	-0.005783	0.032821	-0.016393	0.032731	0.022047	-0.006441	0.024934	0.021334	-0.031761	-0.019307
310	-0.057763	0.001699	0.01973	-0.020261	-0.057745	0.017237	-0.078357	0.050716	0.068181	0.039613	0.013165	0.008435	-0.067234	-0.030826
311	0.010405	0.078222	0.003953	0.016691	0.009806	-0.049809	-0.017869	-0.028639	-0.019914	-0.025512	0.077857	0.022192	0.022335	-0.002845
312	0.023688	-0.039233	0.02986	0.026168	-0.000649	-0.058395	-0.035325	-0.008974	0.099118	0.185362	0.08077	-0.034612	-0.013321	0.074661
313	-0.03117	0.004348	0.003242	-0.011621	0.012542	0.003107	-0.028214	0.022619	-0.041342	-0.01722	0.061247	-0.029289	-0.040512	-0.025767
314	0.075208	-0.059573	0.003108	0.078395	-0.07067	-0.055047	-0.187989	-0.122205	0.081212	0.152667	-0.05053	0.011741	-0.078714	-0.067312
315	-0.037381	0.000896	-0.001555	0.008365	0.030428	-0.041069	-0.026271	0.018849	-0.011968	-0.025479	0.095449	0.008073	-0.004278	-0.016397
316	-0.243733	0.074321	0.054133	-0.00782	-0.083214	-0.089716	0.008697	0.05583	0.003738	-0.042598	-0.00993	-0.105472	-0.128187	0.097146
317	-0.030888	0.025152	0.015743	0.033682	-0.00266	-0.02004	0.00243	0.00307	-0.010642	-0.020494	0.060358	0.009414	-0.04603	-0.029682
318	-0.001433	-0.01031	-0.00542	0.008368	-0.055744	-0.06322	-0.066973	-0.080654	0.016298	-0.051277	0.050896	-0.0197	-0.01666	0.012865
319	-0.012035	-0.012183	-0.022971	-0.006508	0.003506	-0.056136	0.026721	0.015278	-0.014916	-0.033763	0.067286	0.031918	0.003301	0.0055
320	-0.020973	0.058207	-0.099744	-0.030168	-0.057495	-0.014039	-0.002935	0.016988	0.015632	-0.012726	0.053116	-0.007098	0.003319	0.04948
321	0.005307	0.013323	-0.033753	-0.025553	0.0219	-0.047324	-0.01559	0.069028	-0.042967	-0.03587	-0.062025	-0.027736	-0.033768	-0.016653
322	-0.044055	-0.103775	-0.032292	-0.115822	0.009874	0.019758	-0.074122	0.034147	0.014603	0.021669	-0.146329	0.016578	-0.101559	-0.02676
323	-0.028338	-0.000188	0.036501	-0.000239	0.022262	-0.065726	-0.012317	-0.019258	-0.058724	-0.039978	0.000568	-0.005372	-0.047332	-0.020387
324	-0.059147	-0.096807	0.079297	-0.023994	-0.037868	0.104197	-0.161765	0.052021	0.116696	-0.022696	0.020654	0.039427	0.132024	-0.094313
325	0.004556	0.019572	0.040904	0.0092	-0.003324	0.06248	-0.008136	-0.010273	0.03881	-0.040027	-0.004831	0.061282	0.031415	-0.027679
326	0.089411	0.07783	0.049611	0.069631	0.050839	0.011588	-0.020146	0.074686	0.034198	-0.067847	0.106939	0.073592	0.084795	-0.021105
327	0.001012	0.0233	-0.026885	0.008716	-0.002563	0.021591	0.026352	-0.012745	0.005224	-0.017174	0.041413	0.042563	0.002413	0.013335
328	0.087149	0.158537	0.025323	0.153579	0.08818	0.034671	-0.099587	0.012955	0.022619	0.094374	-0.055382	-0.043339	-0.033432	0.091703

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
329	0.006942	-0.022525	-0.008126	0.050201	0.052089	-0.026884	0.001815	-0.0093	-0.035005	-0.027018	0.034643	0.021095	-0.014374	-0.071782
330	0.019705	0.154441	-0.000722	-0.102495	-0.023218	-0.096109	0.154771	0.012032	-0.01349	-0.031649	-0.124012	0.073792	-0.023636	0.108262
331	0.038381	-0.042917	0.036797	-0.008472	0.063603	-0.018388	-0.038942	-0.005111	0.003217	0.022506	0.045383	0.022742	0.033036	-0.024277
332	0.017829	0.269543	0.003904	-0.078174	-0.019958	-0.054386	0.129453	0.112459	-0.032717	-0.028156	-0.094636	-0.013261	0.020519	0.018112
333	-0.009355	-0.010708	0.029282	0.045005	0.030134	0.023733	-0.008079	-0.033341	0.027511	-0.037071	0.027771	0.026944	0.029421	-0.030925
334	-0.045291	-0.056575	-0.044337	0.169637	-0.004691	0.02258	0.010134	-0.030668	-0.028782	0.078249	0.01284	0.072963	0.104198	-0.012202
335	0.005109	-0.011772	0.004135	-0.038421	0.031962	0.014242	0.016062	0.009286	0.03688	-0.032305	0.02621	0.033154	0.043621	-0.043258
336	0.027072	0.043888	0.072867	-0.096065	-0.092029	0.048554	-0.096134	-0.016714	0.098571	-0.021799	0.031335	-0.020546	-0.118141	-0.000668
337	-0.036258	-0.089193	0.052619	-0.003241	-0.112099	-0.076496	-0.044193	0.023232	0.053683	-0.078561	-0.031504	0.028568	0.06179	-0.090627
338	-0.061459	-0.048406	-0.06936	-0.045078	-0.037674	-0.008281	0.048546	-0.012076	-0.102084	0.098061	-0.071073	0.197391	-0.117388	0.139826
339	0.030241	0.018599	-0.021658	0.025309	-0.031448	-0.083764	0.022558	0.0129	0.015253	0.008487	0.015917	-0.056476	0.020562	-0.073311
340	0.118262	0.032672	0.081866	0.063156	-0.167229	-0.091375	0.249066	0.156968	0.002469	0.048768	0.027373	0.062053	0.102506	-0.136259

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
1	0.015933	-0.009547	-0.002537	-0.043609	-0.036965	0.037974	-0.05038	-0.000574	-0.003915	0.04122	-0.028286	0.058834	-0.00953	-0.028842
2	0.013519	0.010605	0.050864	-0.05766	-0.033397	-0.017173	0.028582	0.020918	-0.010711	0.050524	-0.016697	0.046774	-0.048734	0.033301
3	0.085515	0.057291	0.010897	-0.041679	-0.033844	-0.002441	-0.074173	0.024112	-0.008888	0.042212	0.002514	-0.009026	-0.009572	-0.010345
4	0.024117	0.006615	-0.004547	-0.072313	-0.031858	0.050245	-0.082099	0.038283	-0.000784	0.00277	-0.046298	0.047355	0.057574	-0.06854
5	-0.186551	-0.157621	-0.135197	0.003645	0.1373	0.018334	0.103258	-0.039779	0.053298	-0.169619	0.085879	0.074447	-0.022949	0.057992
6	0.021862	-0.118745	-0.031194	0.036433	0.094392	0.043537	-0.001009	0.184208	0.024762	-0.027457	0.030812	-0.00837	-0.057495	-0.001561
7	-0.025037	-0.077596	-0.092615	0.017496	0.11102	-0.001278	0.041518	0.07308	0.018682	-0.013064	0.104274	-0.052685	-0.030917	0.03613
8	0.09586	-0.002077	-0.022203	0.026568	0.044091	0.113055	-0.004226	-0.048349	-0.041704	-0.071957	0.017079	0.036346	0.058214	0.105409
9	0.004014	0.031631	-0.063047	-0.084465	0.014775	0.086336	-0.011342	-0.006172	-0.082013	-0.056262	-0.010572	0.013406	0.060478	0.009087
10	0.005008	0.07145	0.121089	-0.113415	-0.067701	0.020625	-0.027078	0.096683	0.031148	0.080068	0.054727	-0.089547	-0.007156	0.004932
11	-0.256678	0.106304	0.008963	-0.267865	0.051753	-0.14801	0.059775	-0.088207	-0.165213	0.052628	0.035626	0.009192	-0.01703	0.07806
12	0.10448	-0.001999	-0.075012	-0.172654	-0.027873	0.02005	0.074492	0.125396	-0.046383	0.185874	0.009069	-0.000609	0.062504	0.035566
13	0.049329	-0.004757	0.006451	-0.018087	0.027055	0.006449	-0.033812	0.029716	-0.051486	-0.030133	-0.000235	-0.016967	-0.040793	0.016677
14	0.019083	0.017432	0.025335	-0.033566	0.00269	-0.008943	-0.030027	0.022145	-0.03574	-0.028773	-0.02966	0.01133	-0.034347	0.00311
15	0.004859	0.001123	-0.003197	-0.025369	0.004328	0.002642	-0.017604	-0.047675	0.002624	0.01734	-0.041643	0.061823	0.007629	-0.027273
16	-0.063107	0.09162	-0.06324	-0.119668	0.147578	0.140249	-0.06821	-0.061581	-0.022151	0.048378	-0.02548	-0.018788	0.03495	0.007576
17	0.038802	-0.029069	-0.024236	-0.078188	0.052998	0.07622	-0.030288	-0.032499	-0.012347	-0.105841	-0.044882	-0.02358	0.065994	0.001528
18	-0.023362	0.004186	-0.001601	0.020729	-0.191732	0.045923	-0.001069	-0.138271	0.013413	0.039139	0.0776	0.136855	0.063104	0.058277
19	0.050623	0.05878	0.027334	-0.023404	-0.133809	0.003564	-0.052995	0.053214	-0.026848	-0.031479	0.034015	-0.004491	-0.057534	0.068947
20	-0.002433	-0.007594	-0.04166	-0.018842	0.006389	0.000467	-0.011663	-0.00254	-0.001639	-0.022563	0.025061	-0.000037	0.007259	-0.004241
21	-0.046136	0.080066	0.088291	0.028282	-0.077284	-0.020448	0.02887	0.065045	-0.034199	0.058455	-0.149677	-0.067754	0.02361	0.00718
22	0.046721	-0.024141	0.045832	-0.058212	-0.024606	0.01783	0.035055	0.060214	-0.019446	0.013893	0.021908	-0.111293	0.057049	0.055295
23	0.03719	-0.061896	0.028883	0.028899	-0.017764	-0.062442	-0.006589	0.092809	-0.052728	-0.03184	-0.09545	-0.133453	-0.026425	-0.091202
24	-0.039497	0.061612	0.050107	0.084461	-0.059188	-0.024888	-0.087239	0.048534	0.033379	0.014244	-0.00336	-0.04541	-0.006351	-0.012647
25	-0.065918	-0.073836	-0.020097	0.012035	0.011461	-0.051043	0.012539	-0.020408	-0.09131	-0.090437	-0.033849	0.026373	-0.073605	0.057796
26	-0.004945	-0.013753	-0.047101	-0.017503	-0.000304	-0.019673	-0.00727	-0.017209	0.004313	-0.023742	0.028756	0.004894	0.006336	-0.009107
27	-0.025323	0.015227	-0.029273	-0.0028	-0.000184	0.004176	-0.009436	0.004715	-0.00239	-0.01013	0.004918	0.008726	0.005882	0.009637
28	0.015239	-0.044911	-0.015559	-0.038577	0.01029	0.025769	-0.015701	0.032172	0.007368	0.010374	-0.016993	0.043611	0.058811	-0.004715
29	0.030271	-0.030646	-0.015531	0.003577	0.039647	0.080023	-0.162519	0.011399	0.019738	0.069544	-0.000741	0.102706	0.069313	-0.069692
30	-0.009401	-0.056973	0.051516	0.022571	0.014136	-0.057339	0.103363	-0.074184	0.011605	0.006453	-0.024416	-0.015816	0.052585	0.027003
31	0.026003	0.007576	-0.015417	-0.022442	-0.006941	-0.000753	0.015765	0.013202	0.005818	0.010304	0.024017	-0.002401	0.039542	-0.006626
32	0.003011	-0.014738	0.072495	-0.036795	0.013556	-0.132832	0.003403	-0.106861	0.050794	0.042819	0.030243	-0.079664	-0.015211	-0.015229
33	-0.036104	-0.005803	0.026468	0.025914	-0.004828	0.086856	-0.017925	0.013423	-0.033885	-0.058765	0.023886	0.053726	-0.012043	-0.08643
34	0.027009	-0.054555	0.015942	0.005987	0.01902	0.026365	-0.031166	-0.014235	-0.045448	0.003116	0.05567	0.007385	-0.045214	0.054389
35	0.006029	0.030733	0.130172	-0.107278	-0.029678	-0.056552	-0.018829	-0.009505	-0.055851	-0.086698	0.081149	0.061791	0.016859	0.042336
36	-0.049659	0.030768	0.009431	-0.019461	0.081473	-0.027314	0.048556	-0.037139	0.008854	-0.048974	0.035126	-0.01627	-0.010644	-0.02589
37	0.037396	-0.030057	-0.028867	-0.058214	0.043108	-0.001054	0.024027	-0.055056	0.036788	-0.018767	0.01753	0.013772	0.05196	0.014992
38	0.006626	0.193106	-0.066408	-0.010243	-0.055985	0.016432	-0.050546	0.006372	0.083168	0.051986	0.007664	-0.041671	0.132639	0.007146
39	-0.020126	-0.002646	-0.079463	0.006561	0.053914	0.055716	-0.01325	0.029655	0.076549	-0.044961	-0.013192	-0.056499	0.058645	0.046548
40	0.011655	-0.001405	0.035234	0.0007	-0.001565	0.020486	0.016941	-0.008001	-0.00423	0.092319	0.018611	0.034859	-0.070548	0.006787
41	-0.054225	-0.028232	0.01326	0.020616	0.032906	0.059795	0.003723	0.002362	-0.017265	0.052666	-0.003389	0.010861	-0.031693	0.01879

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
42	-0.028622	-0.052277	-0.046892	0.075244	0.04688	0.064753	-0.037578	0.044222	0.038009	-0.006651	0.000675	-0.021079	0.054992	-0.018744
43	-0.002165	-0.018042	0.001302	-0.010025	-0.001479	-0.012681	0.00189	0.016948	-0.008078	0.02745	0.052495	-0.016932	-0.007759	0.025681
44	-0.053799	-0.009304	0.047755	-0.005257	0.033798	0.037064	0.033276	0.006947	0.020156	0.043653	-0.024936	-0.017624	0.001424	-0.095031
45	-0.063821	-0.050151	0.050373	0.03831	0.050464	0.032414	-0.045537	0.041218	-0.024413	0.027464	0.117542	0.009054	-0.007725	-0.016169
46	-0.000173	0.024033	0.060044	0.07525	0.012709	-0.047172	0.039854	0.017521	0.045365	-0.141503	-0.048134	0.112247	-0.061072	0.038092
47	-0.024334	0.018421	0.128748	0.023363	0.058544	-0.027348	-0.038181	-0.005618	0.003127	0.071336	-0.040378	-0.003064	0.037584	0.076956
48	0.013363	0.027272	-0.022117	0.022028	-0.040629	0.00991	0.044949	0.01538	0.07004	0.014074	-0.021704	0.025151	-0.007385	-0.02227
49	-0.023751	-0.028799	0.012707	0.032395	-0.009118	-0.086384	0.066136	-0.066364	-0.001379	-0.028021	-0.025286	-0.012066	0.02904	0.055965
50	-0.020532	-0.048248	-0.023782	-0.007945	0.050701	-0.010546	0.021454	-0.006018	0.006019	-0.032858	-0.082495	0.021966	0.020752	0.108415
51	-0.07624	-0.013665	0.054095	0.023513	-0.063963	0.072139	0.046422	0.03455	0.007026	0.019543	0.030863	-0.026992	0.033476	-0.083086
52	0.019662	0.00883	0.04217	-0.037967	-0.039439	0.07158	0.041393	0.052045	0.00281	-0.005498	-0.018022	0.008662	-0.052731	-0.025732
53	-0.01046	0.023939	-0.026255	0.01176	-0.052241	0.008719	0.043159	0.000471	-0.015904	0.006408	-0.006863	0.003095	0.024015	-0.023121
54	0.021951	-0.002089	-0.066487	0.139143	-0.042464	0.047005	0.001347	-0.046418	-0.01257	-0.001824	-0.033864	-0.030564	-0.059814	-0.006024
55	-0.043046	0.03156	-0.01325	0.015366	-0.01255	0.00328	0.004377	0.005467	0.007429	0.050785	-0.056593	-0.033313	-0.002989	-0.035026
56	0.013075	-0.024472	0.013843	0.013507	-0.028588	-0.099926	0.068024	-0.024803	-0.000165	-0.02102	-0.046249	-0.007879	0.009069	0.031634
57	0.042165	0.036037	0.057596	-0.002408	-0.05028	0.035006	0.065557	-0.025328	0.022198	-0.02784	-0.052089	0.015188	-0.051894	0.000677
58	0.023779	0.027291	-0.02817	0.012146	0.051389	0.006542	0.058413	-0.012377	0.01223	-0.004283	0.067788	-0.089143	-0.071707	-0.021231
59	-0.068965	0.094647	-0.029585	-0.072573	-0.028543	-0.016186	0.063234	0.105484	0.043036	-0.024437	-0.085674	-0.027665	-0.027786	-0.049366
60	-0.034634	-0.020086	0.027965	-0.013913	0.033262	0.018331	-0.066537	0.063741	0.008455	0.010893	0.031519	0.025054	0.032325	-0.02442
61	-0.017807	0.025657	-0.038933	-0.06143	0.005726	0.03755	-0.039133	-0.013169	0.01971	0.076439	0.048015	-0.021949	0.013637	-0.042673
62	-0.01011	0.018126	-0.04738	-0.001728	0.030512	-0.019281	-0.095713	-0.018267	0.008962	-0.084903	-0.021135	-0.060458	-0.075714	-0.010629
63	0.065393	0.069669	-0.027876	0.019874	-0.007789	0.033276	-0.009877	-0.060183	-0.008165	0.041955	0.048558	-0.03128	-0.011844	-0.033566
64	-0.002445	-0.010409	0.048315	0.001128	0.005533	-0.060142	0.070283	-0.052087	-0.003917	-0.048194	0.021454	-0.030925	0.015271	0.037293
65	0.054604	0.001401	0.031984	-0.044095	-0.032589	0.016263	-0.041584	-0.022645	0.019895	-0.006386	-0.009409	0.006366	-0.011835	0.054584
66	0.049508	0.036497	0.07105	-0.026163	0.030405	0.037451	0.014058	0.011946	0.012134	-0.004065	-0.047905	-0.054059	0.028463	-0.113242
67	0.043398	0.000153	-0.020967	-0.066981	0.002938	-0.011464	-0.058137	0.000867	0.011332	-0.041183	0.016045	-0.025515	-0.024954	-0.011551
68	-0.14807	0.081631	-0.002645	-0.025045	-0.037365	0.050801	-0.056646	-0.000892	0.086018	0.068074	0.037315	0.027306	-0.090657	-0.044966
69	-0.000969	-0.002432	-0.043995	0.012324	-0.015061	0.005153	-0.000944	-0.006995	0.026769	0.003628	0.006917	-0.013917	-0.015195	-0.004121
70	0.015182	-0.002032	0.009461	0.017493	-0.003854	0.013834	-0.00313	0.011994	0.001122	-0.004169	-0.005502	-0.027254	-0.011426	-0.021924
71	-0.078324	-0.094088	0.071859	0.047435	-0.015075	0.019469	0.1767	-0.067999	0.039928	0.049671	-0.100423	0.093236	0.01965	0.043883
72	0.072941	0.018669	0.083774	0.023109	-0.047625	0.020338	0.025645	-0.011438	0.035015	0.030486	0.037499	0.004864	-0.012567	0.034188
73	0.053571	0.005174	0.078297	0.022788	-0.0399	0.009251	0.027081	-0.001005	0.033363	0.001195	0.048836	-0.017151	-0.056171	-0.003295
74	-0.04466	-0.050155	-0.003024	0.082586	0.084312	0.047744	0.088083	0.065969	0.013033	-0.127902	0.143582	-0.076956	0.071532	-0.182682
75	0.011437	0.003965	0.0032	0.003617	0.010496	0.006146	-0.0105	0.014102	-0.005627	0.002988	0.00138	-0.013384	-0.006226	-0.02094
76	0.021398	-0.006373	0.006927	-0.010022	-0.00488	0.00815	0.02112	0.002765	0.014348	-0.001088	0.025175	-0.015112	0.00489	-0.006068
77	0.008431	0.00341	-0.00533	0.007593	0.011247	0.0051	-0.011532	0.008772	0.005117	0.004423	0.008347	-0.010536	0.005995	-0.030526
78	0.00653	0.003573	-0.003498	0.014838	0.016165	0.004983	-0.007522	0.007136	0.000359	-0.004443	0.009095	-0.007362	0.004936	-0.032588
79	0.000084	0.006175	0.011629	0.010315	0.020418	0.004339	-0.003328	0.000078	0.013622	-0.015104	0.004254	-0.009986	-0.012139	-0.032438
80	-0.020627	-0.089828	0.037822	-0.000379	-0.038922	-0.043761	0.06385	-0.058471	0.034726	0.101562	-0.106752	0.031864	0.005228	-0.198985
81	-0.070417	-0.126417	-0.023619	-0.037678	-0.025928	-0.096347	-0.071553	0.021987	0.070189	0.140646	0.002924	-0.069174	0.1252	0.087572
82	-0.015684	0.000021	-0.011866	0.027944	0.012918	-0.002479	-0.01405	0.002371	-0.00066	-0.031757	-0.012141	0.012101	-0.004984	-0.000968

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
83	-0.030674	0.018722	-0.012728	0.013896	0.008156	0.009201	-0.006295	0.003037	-0.008816	-0.016421	-0.000587	0.017619	-0.00913	0.016467
84	-0.025113	0.02715	-0.017518	0.006945	-0.005846	0.019271	0.005331	0.01337	-0.001736	-0.014591	-0.000487	0.018998	-0.015611	0.014634
85	0.036446	0.030289	0.054534	0.069536	-0.005405	-0.016288	0.05291	-0.022402	0.011835	-0.040923	0.039696	0.006993	-0.027912	0.089881
86	-0.004185	-0.001191	0.049306	0.060047	0.024223	0.019038	0.014234	0.010171	0.014062	-0.004836	0.022334	0.00132	0.004442	0.039264
87	0.000958	-0.029721	0.032691	0.003674	0.003785	0.051958	-0.018249	-0.01084	0.049451	0.017026	0.005015	0.037072	0.046115	0.0172
88	-0.031293	0.02257	-0.018493	0.007505	0.004648	0.005975	-0.017438	0.010647	-0.008577	-0.018952	-0.002573	0.023722	-0.002114	0.0107
89	-0.02528	0.023055	-0.025219	-0.000572	0.00755	0.00471	-0.010028	0.002793	-0.007841	-0.021102	0.005184	0.008816	-0.00923	0.01486
90	-0.03803	0.020062	-0.027327	-0.008804	0.008242	0.010051	-0.014033	0.006699	-0.004172	-0.0207	-0.000566	0.007612	0.007142	0.016602
91	-0.0165	0.020096	-0.003493	0.000546	-0.020301	0.004892	-0.018014	0.030394	-0.010549	-0.027703	-0.008798	0.001615	-0.021285	-0.001393
92	-0.000344	0.063007	0.044654	0.018451	-0.007838	0.030036	-0.003248	0.026273	-0.005968	0.025653	-0.013224	-0.03588	-0.039415	-0.021544
93	-0.012746	0.002168	-0.013303	0.012476	0.011518	-0.0057	-0.006073	-0.025934	-0.016782	-0.03157	0.01806	0.006875	-0.027945	0.027676
94	0.023604	0.002594	0.032066	-0.012367	0.004416	-0.043588	-0.018156	0.016272	0.007995	-0.031433	0.003358	-0.036033	-0.009362	0.005071
95	0.123353	-0.059288	-0.031808	-0.08915	0.151396	0.020255	-0.000951	-0.050293	0.045961	0.053295	0.093811	0.000382	-0.065532	-0.058989
96	-0.019422	-0.083578	0.022778	0.03034	0.086295	0.015149	0.112022	0.002494	-0.0663	0.054216	-0.079751	0.052162	0.01948	0.018499
97	-0.078066	-0.043551	0.076863	0.057835	0.038798	0.03062	0.033683	-0.049012	0.000569	0.040487	-0.046087	0.007825	-0.002608	-0.020327
98	-0.013996	-0.00353	0.008255	-0.036898	0.010261	-0.014753	0.021279	-0.033922	0.041409	0.024174	-0.022482	0.004595	0.036222	0.00583
99	0.04969	0.017175	0.044969	0.009687	-0.02664	-0.014832	0.007993	-0.063939	0.081727	0.070193	-0.043146	-0.001412	-0.040286	-0.010522
100	-0.021854	0.004981	-0.036763	0.074919	-0.029557	-0.012461	0.001012	-0.038481	0.028064	-0.056283	-0.026451	-0.030999	0.035941	0.011369
101	-0.023903	-0.026301	-0.001799	-0.011052	-0.020115	-0.019361	0.024425	-0.015763	0.019772	-0.016015	0.040723	-0.045073	0.017616	-0.003024
102	0.061544	-0.008549	0.044376	0.002173	-0.074375	-0.017507	-0.003215	0.057338	0.0678	0.062398	0.140565	0.003406	0.051011	-0.019757
103	-0.023682	0.03581	-0.021506	-0.072113	0.015128	-0.003353	-0.11624	0.11957	0.038854	0.006087	0.041213	0.049676	-0.089267	0.036567
104	0.154071	-0.019257	-0.137802	0.056117	0.058035	0.053022	-0.103638	0.019724	-0.071	0.015455	0.054479	-0.117375	-0.021823	-0.010345
105	0.014213	0.107905	0.120769	-0.059661	-0.1065	0.087263	-0.099602	-0.072274	0.047008	-0.19204	0.021903	-0.117723	0.111937	0.014822
106	-0.002183	0.099588	0.005983	0.093761	0.051955	-0.028248	0.015397	0.04109	0.009303	-0.01886	-0.025617	0.069347	0.064883	-0.025727
107	-0.05042	-0.026081	0.014124	0.025716	-0.005681	-0.029924	-0.01303	0.024174	0.113778	-0.020585	0.013255	-0.047627	-0.004688	-0.0822
108	0.04245	-0.106645	-0.085436	-0.062546	0.085354	0.041601	0.012089	0.072232	0.096712	-0.017547	-0.037121	0.105978	-0.002348	-0.055392
109	0.011832	-0.075475	-0.076735	0.237556	-0.074244	0.123184	0.025793	0.08124	-0.114208	0.155296	0.04392	0.129907	0.084897	0.164673
110	0.162684	0.153549	-0.01834	-0.035546	-0.069044	0.018929	0.083997	0.0743	-0.058489	0.018218	0.029193	-0.010718	-0.103402	0.030248
111	0.13959	-0.15701	-0.018965	-0.092908	0.080323	0.058244	0.121928	0.117744	0.053568	0.072563	-0.011058	0.050476	-0.037537	-0.032729
112	-0.015629	-0.044711	-0.146125	-0.095285	-0.025256	-0.038565	0.017025	-0.117179	0.08103	-0.003005	0.108605	0.024619	-0.11785	0.12486
113	0.095063	0.000812	0.013191	0.040701	0.046868	-0.085168	0.060049	-0.091039	0.057536	-0.036993	-0.133132	-0.109585	0.041829	-0.020663
114	0.016754	0.037037	-0.045624	-0.038138	0.09166	0.037242	-0.065412	-0.108571	0.081341	-0.019039	0.06938	-0.043091	0.024002	-0.149929
115	0.047054	0.130304	0.01976	-0.033097	-0.059414	0.116266	-0.017556	0.109445	0.053493	-0.06646	-0.030502	-0.137773	0.038586	0.068003
116	0.100372	-0.019586	-0.087285	0.075991	-0.200105	-0.168636	0.034152	0.059787	0.146849	0.056333	0.069284	-0.050702	0.099148	0.160921
117	0.037353	0.014129	0.015008	0.006215	0.012399	-0.004451	-0.025454	-0.0051	0.052565	0.010245	-0.08559	-0.050349	-0.020506	0.111192
118	-0.038035	0.034656	-0.029823	-0.061391	0.05234	-0.041858	-0.05654	-0.083786	0.04198	0.010866	-0.060125	-0.125831	-0.040268	-0.010939
119	-0.020087	-0.053854	0.011663	0.007477	-0.011954	-0.025072	0.031573	-0.014565	0.006513	0.003386	0.061149	-0.073527	-0.066035	-0.047363
120	-0.009416	0.037024	0.014942	0.021626	-0.036426	-0.035965	-0.022249	0.083972	0.023652	-0.034833	-0.042277	-0.005497	0.006509	0.01625
121	0.028815	0.109492	0.022767	0.076845	-0.047106	-0.034684	0.045599	0.023727	0.031905	-0.033995	-0.003265	-0.031713	-0.000477	0.005651
122	-0.055107	-0.009072	0.001741	-0.008909	-0.017084	-0.077909	-0.03119	0.061905	0.041462	0.042804	-0.023843	-0.130103	0.00668	0.059126
123	-0.060311	-0.00836	0.004242	0.012244	-0.074335	-0.05352	-0.076134	0.08859	0.012113	-0.022078	0.003242	-0.087219	0.010866	-0.001755

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
124	-0.019398	-0.04014	-0.046237	0.005215	-0.006164	-0.035646	-0.005878	-0.00382	0.067402	-0.031218	0.014014	-0.062236	-0.001551	-0.011903
125	-0.027802	0.043922	0.004952	-0.025445	-0.077695	-0.03928	0.020393	-0.067904	-0.013708	0.018182	0.013066	0.052159	-0.032462	-0.029343
126	-0.017097	-0.00727	0.003547	0.001722	0.03318	-0.066123	-0.081153	0.015594	-0.025278	-0.030975	0.026745	-0.047691	-0.00638	-0.008346
127	-0.027576	-0.00433	-0.01687	-0.019033	0.041497	-0.069463	-0.058501	0.022178	-0.010943	-0.028603	0.017966	-0.054857	-0.011897	0.00064
128	0.033182	-0.061748	0.097981	-0.034474	-0.050644	0.000379	-0.076205	0.002603	-0.088366	-0.01383	-0.090733	0.009448	0.078675	-0.03684
129	0.041143	0.040566	-0.010134	-0.132366	-0.049992	-0.029695	0.017255	0.13574	0.093557	0.083844	-0.035477	-0.001381	0.200015	0.006893
130	0.081796	-0.015311	0.108975	-0.054508	-0.005703	-0.041242	0.014987	-0.041806	-0.081345	-0.104656	-0.027013	0.052199	-0.058275	0.070041
131	-0.221894	0.093175	0.097239	0.105765	-0.007777	0.136367	-0.050295	0.082269	0.052841	0.014773	-0.111629	-0.09968	-0.045123	-0.199567
132	-0.038619	-0.12666	0.024213	-0.080763	0.026519	0.083116	0.004989	0.069494	0.056173	-0.035862	0.053462	0.061053	-0.052087	-0.030736
133	0.064322	0.010003	0.129758	0.035732	0.116011	-0.011478	-0.042401	0.051623	0.061137	-0.023454	0.034183	-0.024691	0.061435	0.024545
134	0.085928	0.086846	-0.058524	-0.020908	0.013991	0.011297	0.059784	0.137646	-0.012046	0.042503	0.206993	-0.130598	-0.100018	0.045235
135	-0.002599	-0.02321	0.007713	-0.01461	0.083016	0.000314	0.057793	-0.03765	-0.057159	0.003938	0.029643	0.087836	-0.027882	0.024613
136	-0.016395	0.066672	0.067093	0.0103	-0.087819	0.015338	-0.015361	0.107125	-0.073956	-0.021122	0.115417	0.013885	-0.048456	-0.083228
137	0.055113	0.053542	-0.008803	-0.061871	-0.022125	-0.012726	0.09894	-0.096969	0.088525	-0.059011	-0.067285	0.056324	0.023578	-0.005726
138	-0.193242	-0.133202	0.13528	-0.057473	-0.083335	0.011633	0.013133	0.003733	-0.112607	0.134543	0.052425	-0.056875	0.028165	-0.016614
139	0.078536	-0.045082	0.041832	0.072891	-0.015143	0.033404	-0.038116	0.111241	0.067155	-0.069699	0.020438	0.128176	-0.014899	-0.019684
140	0.010636	-0.140845	-0.015202	0.031054	-0.179519	0.139129	-0.061896	0.01669	0.143603	-0.053762	0.071517	0.046106	0.090619	0.034245
141	-0.033027	-0.058975	0.033888	-0.04183	-0.069332	-0.036428	-0.139789	-0.045076	-0.05519	0.138205	0.068423	-0.022129	0.00929	0.047706
142	-0.024273	0.026029	0.035974	-0.028409	-0.003119	0.048624	-0.001062	0.028835	-0.037294	0.030949	-0.009165	-0.039132	-0.001392	0.081728
143	-0.027193	0.007834	0.016179	0.049398	-0.027015	0.002219	0.085885	0.032022	-0.017131	0.064375	-0.080459	-0.004901	-0.031779	0.0793
144	-0.040194	-0.033901	0.047371	-0.048407	-0.098106	-0.027682	-0.002902	0.08093	0.018588	0.142638	-0.006306	-0.012337	-0.056631	-0.003135
145	-0.071261	-0.051407	0.077666	-0.010518	0.087574	-0.038193	-0.080687	0.027124	-0.079356	0.038338	-0.030538	-0.009325	0.045582	0.058943
146	-0.037681	0.005434	-0.005183	-0.029638	-0.012343	-0.008223	0.008029	0.034491	-0.003168	-0.062188	-0.00276	0.032081	-0.031349	-0.011328
147	0.015639	-0.022407	-0.032861	0.024205	0.055342	0.049497	-0.009242	0.001911	-0.023653	-0.004233	-0.066989	-0.063514	0.047813	0.077896
148	0.011662	-0.084562	-0.070091	-0.018916	-0.098692	0.084056	-0.028654	-0.156167	0.049631	0.040404	-0.083539	0.010488	0.068609	-0.076847
149	-0.088205	0.013236	0.029081	0.059925	-0.047049	0.03328	-0.012603	-0.127593	0.061426	0.049317	-0.075857	-0.051543	-0.028819	-0.008427
150	-0.008379	0.038577	-0.142079	0.053924	-0.068067	-0.108941	0.018384	0.023704	0.052151	-0.047771	0.047419	0.085942	0.02461	-0.061104
151	0.082744	-0.155786	0.018988	0.069586	-0.197104	-0.023594	-0.046429	-0.033079	-0.006834	-0.063609	-0.016568	-0.05064	0.071786	0.049911
152	-0.003304	-0.011858	-0.009989	0.025915	-0.047143	0.03547	0.019455	-0.028191	0.053078	0.019979	0.060682	-0.02269	-0.043914	-0.076776
153	0.020389	0.049842	-0.075043	0.078456	0.036922	0.0434	0.12613	0.02567	-0.059218	-0.073616	-0.065884	0.041782	-0.066618	0.041458
154	0.068506	0.04793	0.002914	-0.042199	-0.05355	0.05775	0.016059	-0.031311	-0.036897	-0.027916	0.041361	0.005805	0.03824	-0.001776
155	-0.032167	0.052462	-0.047555	-0.023628	-0.076101	0.066916	-0.038637	0.070736	0.034225	0.02495	0.056956	0.069481	-0.023062	-0.102332
156	-0.007509	0.051485	-0.034626	0.213248	0.104305	-0.097249	0.164062	0.088441	-0.113576	0.113163	0.08685	-0.088589	0.072799	-0.050238
157	0.086602	-0.038861	0.015306	-0.12358	-0.046874	0.021636	-0.060249	-0.010206	0.004695	-0.078617	0.037585	0.060171	-0.02292	0.049533
158	0.195299	-0.089379	0.086257	-0.02876	0.075921	0.073374	0.127472	-0.000216	0.021082	-0.083181	-0.038992	-0.083972	0.025404	-0.021316
159	0.092193	0.125737	-0.070384	0.182869	0.08812	-0.107324	-0.148002	-0.169004	-0.166551	-0.002161	-0.000647	-0.02588	0.100657	-0.040395
160	0.063618	0.13173	0.063395	0.012551	0.028323	0.073625	0.092396	0.158613	0.051612	0.026196	0.02072	0.046035	-0.034841	0.079482
161	0.086172	0.056218	-0.133129	-0.018762	0.000156	-0.027208	-0.06487	0.039665	0.030046	0.022391	-0.078543	0.019008	-0.006479	0.197424
162	0.042286	-0.009644	-0.067087	0.011744	0.042771	0.053129	-0.039442	-0.097601	0.007948	0.101069	-0.048369	0.014309	0.015163	-0.106022
163	-0.056455	0.026747	-0.082235	-0.008813	0.015679	0.063783	0.094643	-0.073765	0.058956	0.102062	0.008569	0.012931	-0.003604	0.039195
164	0.005425	-0.021805	0.047312	-0.060201	-0.019929	0.054074	-0.104989	-0.096462	0.099047	0.048484	-0.022042	0.071312	0.091371	-0.010074

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
165	0.052313	0.125256	0.134126	0.010841	0.021605	-0.174111	-0.065027	-0.11025	0.059799	0.004604	0.0095	0.181735	-0.099942	0.064208
166	0.032409	-0.034153	0.04968	-0.08073	0.240869	-0.026762	-0.047765	0.071118	-0.017331	-0.032366	0.058896	0.116896	0.048619	0.070893
167	-0.027575	0.002462	0.045313	-0.023479	0.084564	-0.086479	0.041869	0.050868	-0.033707	0.024098	0.003414	-0.170641	-0.059414	-0.166291
168	-0.051183	0.026182	0.096481	0.045017	-0.009785	0.068115	0.033264	0.008902	-0.107573	-0.152982	-0.090709	0.071073	0.081549	0.069743
169	0.055407	0.012874	-0.038306	0.025587	-0.007503	0.003208	0.044651	-0.015433	0.011443	0.057265	0.034363	0.010906	-0.022233	0.01304
170	0.028657	-0.005949	-0.035387	0.079542	-0.031084	-0.029002	0.013001	-0.027906	-0.025418	0.057309	0.06067	-0.019083	-0.014317	0.016677
171	0.00901	0.037651	-0.027358	0.073125	-0.012824	0.006713	0.044211	0.036524	0.00451	-0.005656	0.036176	-0.004132	-0.095802	-0.03802
172	0.061748	-0.008324	-0.019139	-0.017061	-0.032427	-0.00159	0.0136	-0.004685	0.018879	-0.011051	-0.03498	0.032911	0.026032	-0.039489
173	0.045845	0.046611	-0.003403	-0.022831	-0.012108	0.004243	-0.023135	0.001662	0.00942	-0.013909	-0.010087	0.016761	0.025423	-0.047244
174	0.074795	-0.028273	0.019325	0.02087	0.017049	-0.017675	0.000544	0.018424	-0.00033	-0.012007	0.013179	-0.001082	0.00724	-0.018194
175	0.020239	-0.034639	0.019182	-0.009212	0.031427	-0.054621	0.046841	0.017868	0.089025	-0.069983	-0.078197	0.029972	0.079924	0.042765
176	0.086141	-0.038571	0.038713	0.039458	0.025329	-0.014202	0.048769	0.000026	0.059133	-0.042154	-0.074554	-0.022101	0.070125	-0.047177
177	0.079362	-0.076723	-0.058457	0.076848	-0.06548	-0.044199	-0.070826	-0.000374	0.01214	0.063496	-0.043537	-0.02287	-0.168586	-0.144725
178	-0.041292	0.02488	-0.009924	-0.044756	0.066026	-0.007453	-0.039341	-0.006722	0.033606	0.010275	0.001577	0.058767	0.026047	-0.026969
179	-0.034624	0.028648	0.017566	0.012848	0.038709	0.022749	0.025034	-0.004528	-0.018442	-0.006652	-0.000475	0.016805	-0.02332	0.005093
180	-0.029188	0.032947	0.008519	-0.014285	0.01458	-0.011275	0.002318	-0.02228	-0.001481	0.033733	0.03121	-0.009553	-0.033439	0.0009
181	-0.021388	0.012791	0.00133	0.001538	0.013138	-0.018501	0.020546	-0.016893	0.006916	0.018265	0.038605	-0.012768	-0.041331	-0.006142
182	0.018474	0.003718	-0.002454	0.057759	0.005042	-0.004808	0.010276	-0.058522	0.025119	0.002649	0.007524	-0.024731	-0.005036	-0.023759
183	-0.007305	-0.004544	-0.028049	0.042467	-0.021846	0.040951	0.087803	0.003147	0.015156	-0.0619	-0.020114	0.009761	-0.008868	-0.044926
184	-0.016401	-0.088028	-0.055086	-0.003892	-0.056381	0.034744	0.120112	0.024993	-0.048765	-0.127214	-0.02798	0.082437	0.008697	-0.040918
185	-0.055554	0.087059	-0.107683	-0.090368	0.036404	-0.033788	0.040497	-0.091668	-0.018952	0.1161	-0.069191	0.00931	-0.135267	0.087077
186	0.057252	-0.005267	-0.13734	0.046523	-0.042433	0.046207	-0.013558	0.063061	-0.038658	-0.076291	-0.064251	0.075015	-0.198692	0.00859
187	0.049378	0.043809	-0.022549	-0.016421	-0.034516	0.017295	-0.012906	-0.037911	-0.010075	0.009055	0.055399	-0.023559	0.045702	-0.069049
188	0.046654	-0.021394	0.003168	-0.005368	-0.029088	-0.006697	0.0521	-0.020719	-0.009902	0.044431	0.058584	-0.010646	0.068288	-0.028012
189	0.055584	-0.059003	0.018156	-0.013048	-0.035737	-0.016195	0.052018	-0.016661	0.043155	-0.002565	0.040135	-0.089989	0.16509	0.055732
190	0.002594	0.00888	0.017667	0.025307	-0.041099	0.002329	0.029116	0.012341	-0.039975	-0.07669	-0.043771	-0.108167	0.011005	-0.017498
191	-0.050975	0.007494	-0.010682	0.038315	-0.028325	0.109337	-0.000436	0.047507	-0.048107	-0.043508	0.069555	-0.072195	-0.026694	0.021678
192	0.004123	-0.0211	0.032736	0.044498	0.073913	-0.052321	0.029537	0.059684	0.043075	0.028492	-0.025002	0.032166	0.009759	-0.077856
193	-0.023411	-0.02356	0.059177	-0.002477	0.011038	0.018399	-0.006307	0.102387	-0.024422	-0.01637	-0.048421	0.003677	0.008643	-0.017665
194	-0.065279	-0.021268	0.103053	-0.033476	0.011494	0.019283	0.088958	0.037229	0.001148	0.025846	0.03933	-0.015551	0.074159	0.029528
195	-0.022928	0.033568	-0.071824	-0.069426	0.036087	0.036037	0.063514	0.031147	-0.014663	0.004411	-0.010677	-0.067643	-0.012169	-0.040909
196	-0.00364	0.042105	-0.064432	-0.026524	0.020064	0.009988	0.041617	0.051268	0.023504	-0.068787	0.006026	-0.018845	-0.009051	0.026839
197	-0.002331	0.006043	-0.014183	0.035044	0.004161	0.054705	-0.037822	0.015153	-0.061748	-0.042151	-0.060558	-0.069869	-0.005319	0.007047
198	-0.098915	-0.033091	-0.022705	0.021164	0.013045	-0.109703	-0.048136	-0.004463	0.012615	-0.0098	-0.094521	-0.032494	0.007357	-0.011389
199	-0.123192	0.068677	0.073645	0.094219	-0.034887	0.100305	-0.050206	0.04415	-0.031202	-0.036397	-0.028717	-0.064942	-0.098875	0.090194
200	-0.034237	-0.021124	0.019688	-0.027424	0.018192	-0.050054	-0.065581	0.003371	0.028571	0.010512	-0.028205	0.059046	-0.040148	-0.075664
201	0.092789	-0.040592	-0.07837	-0.046818	-0.030201	0.007884	0.102108	-0.052644	0.224348	0.098441	0.003535	-0.114068	0.03309	-0.031586
202	-0.028618	-0.036137	0.021866	-0.009812	-0.021839	-0.080616	-0.061372	0.017406	-0.042192	-0.054076	-0.005503	-0.080054	0.049721	-0.069712
203	-0.084637	0.105262	0.034783	0.050904	0.116879	0.096057	-0.035189	0.036938	0.025993	0.035552	0.067675	0.039208	0.00666	0.170094
204	0.014941	-0.119861	-0.033112	-0.131549	-0.159767	0.032953	-0.068463	-0.005257	-0.113847	-0.024546	-0.045856	0.011335	-0.039346	0.027845
205	0.03543	0.039093	0.015666	-0.048159	-0.003417	-0.053775	0.179003	0.07135	0.02709	-0.022086	-0.06963	-0.034879	0.134573	0.057427

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
206	-0.033617	-0.009073	-0.069109	-0.157986	0.04312	-0.130954	0.155045	0.107856	0.079596	-0.060505	0.052578	-0.060835	-0.104793	-0.005305
207	0.037872	0.070582	-0.033636	0.072174	0.093469	-0.08989	0.038783	0.045016	0.085305	-0.007781	-0.02552	0.031621	-0.140172	0.028107
208	-0.0774	-0.037681	-0.018743	0.098027	-0.071769	0.061707	0.025359	0.036793	-0.082488	0.116626	0.11314	-0.007708	0.040328	-0.020184
209	0.084921	0.055477	0.196815	0.095349	-0.001515	-0.10346	0.044041	-0.084667	-0.017408	-0.042678	0.153717	0.102687	-0.024581	-0.016492
210	0.017067	0.059573	-0.099577	0.048738	0.026475	0.029461	-0.078825	0.079856	-0.052762	0.068948	0.004313	0.11017	-0.016989	-0.098265
211	0.10504	0.133418	-0.017214	-0.093803	0.041231	-0.078553	-0.026751	0.06924	-0.060515	0.012812	-0.118729	0.098226	0.049662	-0.091588
212	-0.077903	0.080203	-0.346561	-0.039841	-0.119499	-0.106689	-0.035851	0.034555	-0.199251	0.016938	-0.056046	-0.010093	-0.00955	0.011849
213	-0.043461	0.013203	-0.118417	0.120243	-0.005038	0.020479	-0.015245	-0.041582	0.063455	-0.053557	0.168593	-0.119643	-0.075524	0.084848
214	-0.026175	0.017911	-0.042691	0.003139	0.016855	0.000564	0.015338	0.019392	-0.037157	-0.067584	0.00248	0.025023	0.027903	0.004679
215	-0.043851	0.057934	0.060588	-0.050097	0.105811	0.059201	-0.038343	0.010192	-0.019349	0.067458	-0.041441	0.061656	-0.016336	0.076414
216	-0.060542	0.045369	0.051283	-0.005916	0.055424	0.022745	-0.05355	-0.064898	0.029672	0.010784	0.025781	-0.021375	0.026049	0.0394
217	-0.064457	-0.053573	-0.042949	0.049849	-0.095312	0.023237	0.044386	-0.134632	-0.024238	0.014615	0.016728	-0.002832	-0.019127	-0.009071
218	-0.061225	0.00932	-0.03241	0.014765	0.012475	0.031489	0.021812	0.002194	-0.032371	-0.028698	-0.008959	0.062729	0.027776	0.032581
219	-0.012231	0.058042	-0.06502	-0.01342	0.017116	0.004994	-0.019231	-0.060893	0.008777	-0.020026	0.076262	0.036465	0.016867	-0.046927
220	-0.021221	-0.088434	-0.062347	0.01419	-0.071241	-0.039723	0.007673	-0.066525	0.011564	-0.093797	0.03065	-0.030434	-0.036082	-0.013298
221	0.001661	0.027572	0.018938	-0.019348	0.018208	0.035294	0.034898	-0.046796	0.033987	-0.043902	0.015044	0.086913	0.042282	-0.026124
222	-0.045521	0.045825	0.004325	-0.071201	0.016498	0.018662	0.021021	0.042247	0.00802	0.01742	0.059961	0.030622	0.059174	-0.02611
223	-0.028426	0.039754	0.007465	-0.060424	-0.000838	-0.010842	-0.008836	0.099696	-0.00777	-0.098772	0.013086	-0.040191	0.026692	0.011264
224	0.043286	-0.080168	0.096036	-0.002292	-0.032306	-0.100919	-0.004842	0.019565	-0.122203	0.030334	0.052038	-0.019295	0.028553	-0.087294
225	0.080676	-0.075774	0.074542	-0.005792	0.001862	-0.08271	0.012352	0.032811	-0.065731	0.042255	0.019138	-0.031281	0.009968	-0.045683
226	-0.008467	-0.019955	-0.062954	-0.00579	0.024141	-0.003062	0.015012	0.008536	-0.032041	0.027043	-0.068739	-0.016997	0.034783	0.050262
227	0.075951	-0.09696	0.024593	0.032826	0.086505	-0.011346	-0.05538	0.054089	-0.029293	0.017547	0.037266	-0.072592	-0.143195	0.014204
228	0.007119	0.035709	0.037354	-0.001052	-0.016579	0.09506	-0.031794	-0.005729	-0.05604	-0.003709	0.016454	-0.014267	0.043406	0.007473
229	0.029322	-0.004618	0.012229	0.014655	0.004106	0.03148	0.039096	-0.119599	-0.167141	-0.070161	0.12407	-0.052065	-0.025776	-0.013112
230	-0.008511	0.037687	0.086463	-0.022627	0.056506	0.027268	-0.013646	0.046256	-0.02808	0.013787	-0.028299	0.01969	-0.027443	0.071441
231	0.055424	-0.144378	0.027724	0.040171	-0.023643	0.008885	0.041094	0.012645	0.01298	0.049266	-0.06987	-0.005656	-0.033073	-0.012385
232	0.074096	0.006057	0.020834	-0.111219	-0.150209	0.063307	0.033676	-0.072416	-0.094547	-0.037984	-0.110511	0.023877	-0.145052	0.048367
233	-0.026272	0.07906	-0.030371	0.007946	-0.057114	0.064999	0.087232	-0.071143	-0.025021	-0.01615	-0.040354	-0.027273	-0.044269	-0.052253
234	-0.017681	0.019486	0.001643	-0.017632	0.057419	0.058214	-0.003519	-0.013306	-0.044206	-0.021757	0.022803	-0.014446	0.040922	-0.14568
235	0.011912	-0.046659	0.062956	-0.019996	0.00859	0.001397	-0.054679	0.000102	-0.034008	0.077322	-0.004734	0.06409	0.002722	-0.011624
236	0.037603	-0.036501	0.037604	-0.016871	0.038231	0.00087	-0.036435	0.025912	0.062062	0.035044	-0.018353	0.041128	-0.040121	0.034939
237	0.068342	-0.013393	0.016528	0.073859	0.06273	-0.007832	-0.064789	-0.056614	-0.012013	0.038543	-0.015735	-0.049295	-0.080578	0.063663
238	0.039768	0.006336	0.000145	-0.008478	-0.043818	0.02522	0.005508	-0.003598	-0.038747	0.020709	0.039224	-0.015056	0.007227	-0.035121
239	0.034522	0.050518	-0.016412	-0.012585	-0.030408	0.030103	0.033191	0.027369	-0.020948	0.022766	0.000097	0.000575	0.018934	-0.029629
240	0.016528	-0.043834	0.008317	0.015466	-0.037962	-0.009395	0.03387	-0.002683	-0.025183	0.069719	-0.028756	0.032761	0.095952	-0.034038
241	0.029678	0.012326	-0.013607	0.012466	-0.026615	-0.011754	0.074473	-0.03212	-0.041971	0.007516	-0.043014	0.026385	0.016815	-0.028366
242	0.014441	0.074699	0.063617	-0.042289	0.019083	0.041347	0.044014	-0.024332	0.090102	0.003122	-0.019786	-0.053988	-0.039006	-0.035615
243	-0.009165	0.07141	-0.041464	0.005613	-0.022073	0.073534	-0.03449	-0.042035	0.042238	0.035673	0.040457	-0.03264	-0.009142	-0.031411
244	0.020546	0.021976	0.035768	0.028388	-0.037576	0.008104	0.0684	-0.001563	0.022223	-0.057617	-0.065944	-0.017318	-0.053031	-0.010244
245	0.002382	-0.025522	0.046974	0.073626	0.061868	0.02355	0.10961	0.027687	0.027328	0.067574	0.035972	0.037197	-0.061702	-0.046349
246	0.017191	0.005056	0.007932	-0.014547	0.066595	0.031018	-0.041724	-0.037233	0.025105	0.025699	0.01425	-0.034159	0.017882	-0.033899

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
247	-0.031867	0.044477	0.031559	-0.051217	-0.007649	0.01337	0.007273	0.005251	0.049731	0.022134	-0.056609	0.022422	0.016187	-0.004942
248	-0.004406	0.014253	-0.002392	-0.094568	-0.056736	0.001736	0.017651	0.002829	-0.003043	0.00842	-0.052171	0.073827	-0.024436	0.009098
249	-0.014799	-0.123348	-0.061252	-0.050115	-0.040009	-0.046706	-0.005303	0.016397	-0.029596	0.089306	-0.060621	0.014134	-0.005954	-0.00354
250	0.018247	-0.054965	0.004297	-0.00732	0.005412	-0.025281	-0.014108	0.054888	-0.005043	-0.0079	-0.0402	-0.000617	0.046891	-0.052706
251	0.039216	-0.014898	0.012294	0.009741	-0.018523	0.008795	-0.028366	0.016627	-0.014372	-0.005863	0.021506	0.015067	0.036884	0.013573
252	-0.010224	0.018558	-0.000005	0.065975	0.02291	0.033998	0.036454	-0.040633	0.014652	0.055706	-0.019279	0.045744	-0.026992	0.060345
253	-0.022162	0.037517	-0.01633	-0.021217	-0.04227	0.077731	-0.021529	-0.034171	0.00884	-0.020644	0.113205	0.01877	0.00765	0.009326
254	0.037599	-0.005938	-0.030016	-0.01648	-0.022965	-0.063178	-0.01571	0.048426	-0.015051	-0.091682	-0.056917	-0.029786	-0.060437	0.035671
255	0.037726	-0.003263	0.04786	0.016542	-0.040321	-0.006959	-0.023775	-0.06726	-0.010104	-0.050818	-0.005526	-0.017052	0.004249	0.022236
256	0.025569	-0.060078	0.064863	0.024338	0.020495	0.037007	-0.003152	-0.095711	-0.078418	0.082223	0.069148	0.032266	-0.044168	0.012684
257	-0.022501	0.007396	0.029556	-0.048695	0.006933	0.00962	-0.012181	0.032178	0.075916	0.034469	0.0303	0.015224	-0.022101	0.000097
258	-0.024669	0.053462	0.031853	0.013209	0.01039	0.045903	-0.004597	0.036401	0.078207	0.058979	-0.041163	0.091188	0.018599	-0.002539
259	-0.033914	-0.029018	-0.013948	-0.028661	0.005747	-0.041342	-0.025614	0.032843	0.040696	0.029786	0.003057	-0.036114	0.0047	-0.01134
260	-0.019032	0.028106	-0.001172	0.107626	0.039263	-0.079746	0.006666	0.022045	0.056187	0.002639	-0.038878	0.034889	-0.012292	0.050731
261	-0.002353	0.005736	-0.017066	0.032691	0.007221	0.000305	0.047344	-0.003222	-0.014426	0.038112	-0.006724	0.000659	0.012597	0.055742
262	-0.010003	-0.009154	0.057546	-0.01886	-0.004348	-0.052315	0.01195	0.030156	0.002022	0.018184	-0.01873	-0.017529	-0.007229	0.033721
263	-0.013334	-0.045632	0.039874	-0.018953	0.007578	-0.034114	-0.002438	0.048529	0.041484	0.003211	0.037596	0.020313	-0.010169	0.016613
264	-0.03049	-0.026575	-0.038022	0.007402	0.00311	-0.049406	-0.044149	0.005066	0.013173	0.02071	-0.002085	-0.036186	0.042058	-0.018579
265	-0.071703	-0.063718	-0.018301	0.007312	0.019068	0.022074	-0.045524	0.041594	-0.029421	-0.038426	-0.05113	-0.08377	0.031912	0.022668
266	-0.009716	-0.017991	-0.015001	-0.004938	-0.010462	0.017291	0.012972	0.040598	-0.098394	-0.010077	-0.057078	-0.047644	-0.000336	0.04538
267	-0.088236	-0.035346	-0.027978	0.007735	0.055259	0.041277	0.091284	-0.015779	-0.041393	-0.03363	-0.059107	0.019176	0.074133	0.012158
268	-0.023757	-0.008853	-0.037329	-0.025212	0.025899	-0.002643	0.006678	0.022498	-0.011227	0.015139	-0.038091	-0.017966	0.04995	0.018495
269	0.008629	-0.02244	-0.037456	-0.041473	-0.005288	-0.016034	-0.008411	-0.006726	-0.03053	0.012704	-0.019848	-0.032598	0.011345	0.021265
270	-0.017864	-0.011302	-0.042673	-0.005462	-0.001629	0.002071	-0.008992	0.034172	0.024272	-0.018448	-0.005913	-0.014082	0.000827	0.022287
271	0.005475	0.004151	0.035255	0.126057	0.07965	-0.098476	-0.018944	0.070589	0.025468	0.058711	0.03979	0.016361	0.077578	0.069891
272	-0.035767	0.007995	-0.003779	-0.011592	0.012976	0.016933	0.031187	0.003474	-0.037924	-0.030562	0.023817	-0.000193	0.069496	-0.02682
273	-0.047823	-0.02842	-0.029727	-0.011725	-0.032657	0.008133	0.017988	0.079611	0.027598	-0.051597	-0.0114	0.035409	-0.027538	-0.008964
274	-0.035345	-0.030843	-0.031862	-0.012133	-0.040657	-0.002977	0.011167	0.060271	0.022553	-0.049407	-0.005964	0.030324	-0.036237	-0.010688
275	-0.077978	0.005233	0.004659	-0.005564	0.01182	0.002696	-0.005725	0.097503	0.028031	-0.023422	-0.011519	0.047329	-0.017376	0.058785
276	0.032572	-0.044149	0.026206	-0.056196	0.030851	0.021778	-0.014349	0.065032	0.050605	-0.007172	0.01571	0.054931	0.008938	-0.014262
277	-0.036948	0.009958	0.008031	-0.01579	-0.005834	0.004768	0.003414	0.051102	0.011757	0.017234	-0.021681	0.037214	0.040012	-0.010802
278	0.036707	0.039904	0.018342	-0.029093	0.004431	-0.001899	0.033526	0.023757	-0.038606	-0.01351	0.012065	0.01994	0.037	-0.006781
279	0.043936	0.063482	-0.009002	-0.047039	-0.05781	-0.024438	0.020745	0.027104	-0.073405	-0.036286	0.037211	0.030211	0.074187	-0.038868
280	-0.059719	-0.005234	0.008616	0.052835	-0.037747	0.08978	0.019403	0.003068	0.099995	0.049089	0.053848	-0.030794	0.029668	0.010126
281	-0.075279	0.018825	-0.020701	0.002169	-0.033237	-0.017572	0.028333	0.050396	0.0295	0.03029	-0.021539	0.036602	0.104056	0.02813
282	-0.008128	0.022068	0.007954	0.030455	-0.005117	-0.028889	0.02198	-0.004868	-0.031331	-0.012052	0.016201	0.03866	0.073598	0.002957
283	-0.007624	0.075433	-0.025949	-0.034155	-0.002854	-0.067677	-0.029011	0.010591	-0.008753	-0.07001	-0.015537	0.029088	-0.001888	0.00162
284	-0.016878	0.006119	0.017335	-0.030601	0.007168	-0.013701	-0.034328	0.042462	0.070888	-0.005042	0.023742	0.021982	-0.01634	-0.000953
285	0.015403	0.010243	0.010652	-0.040981	-0.024467	-0.02547	-0.061899	0.015531	0.03283	-0.029099	0.072197	0.004221	-0.01606	-0.004012
286	-0.038336	0.057014	0.01465	0.074525	-0.022498	0.021213	-0.0166	0.040784	0.065362	0.025493	0.000613	0.022604	-0.023641	-0.005892
287	0.012331	0.06655	0.008575	0.060532	-0.038064	-0.011123	-0.005056	0.001546	0.025727	-0.002509	0.021117	0.024184	-0.009658	-0.011881

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
288	0.050414	0.089931	0.032364	0.016003	0.003788	0.0053	-0.024568	-0.037519	-0.028799	0.001478	-0.001342	0.063194	0.017565	-0.001329
289	-0.034697	-0.028587	0.047059	-0.016203	0.010628	-0.038608	-0.031972	0.023227	0.008304	-0.001743	-0.027136	-0.016075	0.005675	0.008081
290	-0.020639	-0.004847	-0.031975	-0.043757	0.019742	-0.013335	0.011617	-0.016506	-0.055238	0.019978	0.060933	-0.005984	0.022604	-0.033419
291	-0.011633	-0.006595	-0.033088	-0.042403	0.01955	-0.011357	0.021857	-0.019098	-0.047363	0.030445	0.046228	-0.001033	0.018841	-0.036149
292	0.002149	-0.007773	-0.032314	-0.06782	-0.013873	-0.014014	0.007109	0.010809	-0.097605	0.001948	0.032232	-0.028308	0.046928	-0.029579
293	0.02236	0.028497	0.099194	-0.00823	-0.003722	-0.006224	-0.029356	-0.082519	-0.002814	0.117645	-0.044551	-0.021031	-0.082399	-0.012301
294	-0.008383	0.0207	-0.019514	0.056743	-0.03069	0.009318	-0.0048	0.016211	0.000824	0.067186	-0.07068	0.045624	0.015853	-0.011344
295	-0.004214	0.007221	0.016545	0.023065	-0.044439	-0.004362	0.005049	0.003959	0.006811	0.020827	-0.034034	0.000787	-0.088047	-0.046726
296	-0.094822	0.020413	-0.021854	0.02602	-0.086915	0.059504	0.063452	0.047329	0.044617	-0.060626	0.005835	0.016816	0.008506	0.018674
297	0.037971	-0.030988	0.026531	0.02625	-0.035476	-0.007663	0.040054	-0.00862	0.000292	0.010803	-0.020635	-0.017857	-0.071714	-0.045779
298	-0.054407	-0.014363	-0.008013	0.072423	-0.007489	-0.046305	-0.130385	0.039086	0.044843	-0.120219	-0.024117	-0.01979	0.026623	-0.013121
299	0.057355	-0.027178	-0.013765	0.068508	-0.016282	-0.02452	0.010085	-0.061644	-0.049917	0.05498	-0.056321	-0.036085	-0.009625	0.006146
300	-0.119947	-0.104892	-0.026384	0.001979	-0.104051	-0.180244	-0.118054	0.124395	-0.029454	-0.063655	-0.044513	-0.0578	0.034399	0.082712
301	0.032325	0.010359	0.025993	-0.028608	0.012467	-0.017316	-0.029492	-0.075289	0.001733	0.036854	0.014787	-0.036522	-0.039169	-0.000268
302	-0.039024	-0.035093	-0.038625	-0.009754	0.037097	-0.019355	-0.045017	-0.036485	0.004553	0.042825	0.042739	-0.001117	0.069546	0.000395
303	0.073611	0.062207	-0.065708	0.07564	0.038392	0.017859	0.021062	-0.070789	-0.048089	-0.003487	-0.043796	-0.011659	0.084691	-0.05311
304	0.021228	0.021308	-0.082972	0.031898	0.04372	0.047924	0.018359	-0.061245	0.022704	-0.021467	-0.005656	0.046034	0.057411	-0.004473
305	0.01542	-0.003091	-0.021555	0.001809	-0.009525	0.022143	0.042065	-0.030282	-0.030193	-0.033024	-0.072393	-0.14214	-0.030292	-0.002678
306	-0.02304	0.002894	-0.003682	-0.047697	0.086948	-0.018415	0.056456	-0.025719	0.123294	0.00896	-0.111613	0.016011	0.019545	0.066
307	0.03778	0.150826	0.019189	0.074523	-0.104989	-0.150131	0.044421	0.162683	-0.015331	-0.081526	-0.035416	0.132662	0.031287	-0.131579
308	0.006603	-0.051031	0.01676	-0.034398	0.023242	0.019783	-0.022786	-0.001357	-0.005787	-0.053842	0.088915	0.006777	-0.005542	-0.007855
309	0.005319	-0.051874	0.0175	-0.013532	0.011417	-0.002003	0.004956	-0.019921	-0.017681	0.00032	0.051522	0.005382	0.032953	0.01925
310	0.019171	-0.038077	-0.011843	0.068287	0.025685	-0.018687	0.007141	-0.038401	0.023351	0.043377	-0.007433	0.048506	0.026825	0.028128
311	0.040566	0.043465	0.000749	-0.037859	-0.033425	-0.067177	0.039507	-0.008361	-0.001284	-0.020128	-0.023818	-0.018106	-0.03071	-0.019315
312	0.022029	-0.03751	-0.062214	-0.07059	-0.11824	0.135672	0.218846	0.056882	-0.118406	0.074629	0.008778	0.093481	-0.044919	-0.053175
313	0.002253	-0.080035	-0.023005	-0.04656	-0.014393	-0.0385	0.051736	-0.036795	-0.001904	-0.066394	-0.058958	-0.018862	-0.004806	-0.044595
314	0.014244	-0.113123	-0.05464	0.020941	0.093237	-0.024014	-0.144765	0.014017	-0.036246	-0.090404	-0.022975	0.148084	0.007869	-0.1333
315	0.025187	-0.012537	0.046432	0.006365	-0.014627	-0.022129	0.031677	-0.023316	-0.070911	-0.021099	-0.054478	-0.027218	-0.008527	0.006412
316	-0.110059	0.062919	-0.016991	-0.108416	-0.021074	-0.054286	0.076799	-0.118247	0.034224	-0.110476	0.09802	-0.068657	-0.007622	-0.042526
317	0.006852	-0.019341	0.058917	-0.032747	0.018209	-0.050953	-0.037495	-0.013233	0.004965	-0.013418	0.084573	-0.019576	0.019693	0.009973
318	0.036331	-0.028698	0.060787	-0.025783	-0.018796	-0.054476	-0.044595	0.048728	-0.042754	0.003727	0.080476	-0.018403	-0.041362	-0.020419
319	0.020799	0.007161	0.051548	0.01569	0.021085	-0.025675	-0.011094	-0.006148	-0.061019	-0.031074	0.037056	-0.008216	-0.012594	-0.009775
320	0.038755	0.03203	-0.001122	-0.007552	0.078538	-0.030358	-0.071082	0.013332	0.009652	0.022322	0.043174	0.064446	-0.074215	0.067407
321	0.052888	0.022114	0.009997	0.006749	0.0156	0.046041	-0.063	0.04941	-0.041272	-0.054923	-0.093278	0.091251	0.012642	-0.102824
322	-0.020161	-0.115205	0.12947	-0.044241	-0.030102	0.067697	0.065576	0.024654	-0.065423	-0.032419	0.027081	-0.02648	-0.132787	0.132116
323	0.021907	-0.013675	-0.060379	-0.043781	0.089419	0.05593	-0.055565	0.032591	-0.041419	0.003796	-0.185547	-0.042175	-0.050076	-0.015828
324	0.037304	0.023773	0.005831	-0.03409	0.03938	-0.133053	0.077153	-0.056913	0.092403	0.002896	0.040763	-0.027457	0.002787	-0.059504
325	-0.030961	0.024746	-0.005507	0.017002	0.029522	0.052094	0.073176	-0.066369	0.006156	-0.02891	0.025106	-0.011599	0.025383	0.011302
326	-0.014793	0.064243	-0.109713	0.029544	-0.0121	-0.043735	0.036607	0.04025	0.034992	0.057977	0.133111	0.089871	0.071919	-0.020385
327	0.003017	-0.012309	-0.028708	-0.005024	-0.011205	-0.010791	0.016534	-0.003442	-0.020609	-0.047615	0.018768	-0.015472	-0.01738	-0.029954
328	-0.024691	0.007003	0.033451	0.000814	-0.067971	0.137724	-0.055353	-0.03803	0.055125	-0.192264	0.041873	-0.012619	0.115971	0.063892

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
329	0.021663	0.031222	-0.090482	-0.040368	-0.008671	0.040294	-0.002057	0.011421	0.015543	0.022143	-0.035779	-0.028392	0.057215	-0.054239
330	0.107134	0.060185	-0.080381	-0.03963	0.098348	0.02228	-0.009748	-0.00048	0.085068	0.019622	-0.090826	-0.094063	0.154601	0.110465
331	0.006732	0.042504	0.021828	0.000344	-0.007951	-0.01421	0.032175	-0.05042	-0.06005	0.015513	-0.069344	-0.004102	-0.019035	-0.033019
332	0.031012	0.009369	-0.01303	-0.056344	-0.027937	-0.108642	-0.021848	-0.022062	-0.07676	0.003466	0.096373	0.181613	0.094404	-0.082743
333	-0.007664	0.040557	0.050171	-0.000396	0.004994	0.034893	0.021457	-0.053544	-0.009657	0.007593	0.021755	-0.032781	-0.014468	-0.030839
334	0.005176	0.088612	0.048825	-0.017615	0.111672	0.15252	0.102138	0.016397	-0.251697	0.046476	-0.006404	-0.123892	0.154549	0.031177
335	0.036054	0.038644	-0.019847	-0.018881	-0.021118	-0.023127	0.006281	-0.029374	-0.034069	-0.006955	0.019003	0.027401	-0.055458	-0.007964
336	-0.0614	0.028222	0.010615	0.090908	0.010286	0.072848	-0.098028	-0.009488	0.11923	0.118075	-0.166458	0.013293	-0.143032	0.042471
337	0.083578	0.042027	0.011459	0.052171	0.025526	0.039519	-0.008906	-0.037301	-0.004359	0.005565	0.05208	-0.045188	0.017006	0.110001
338	-0.185423	0.107452	0.03766	0.021585	-0.02067	-0.110889	0.141493	-0.034056	0.090577	-0.039023	0.043263	0.121635	0.07998	-0.048353
339	0.032433	0.062673	-0.01468	0.028696	0.026992	-0.078344	0.029265	0.037502	-0.093609	0.109686	0.027079	0.010381	0.038355	-0.013439
340	0.039106	0.041108	0.046172	-0.118126	-0.039655	0.163514	0.043088	-0.061984	0.113311	-0.002885	0.039431	-0.048929	-0.099578	-0.043438

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
1	-0.028277	0.000772	-0.069196	0.057976	0.053361	-0.027805	0.003244	-0.000529	-0.030384	0.009018	-0.063018	0.010903	-0.016984	0.019786
2	-0.020629	0.023968	-0.044289	0.061056	0.044788	-0.052316	-0.011239	-0.024265	0.019925	-0.015659	-0.033255	0.013526	-0.015262	0.030359
3	-0.000198	0.005996	0.017159	0.026893	0.021321	-0.031105	-0.008361	0.010201	-0.039792	-0.031829	-0.052053	0.015957	0.038777	-0.017379
4	0.016134	0.095849	-0.066349	-0.011882	0.030787	-0.007795	0.076188	0.036762	-0.008154	0.06042	0.006928	0.024649	-0.076775	-0.003867
5	-0.078591	0.025253	-0.087609	-0.005676	0.138902	-0.077427	0.054318	0.144224	-0.090124	-0.019261	-0.083232	-0.039795	-0.01455	-0.011081
6	0.009353	0.031432	0.010353	0.034585	-0.061221	-0.032416	-0.079612	-0.005088	0.044726	-0.04906	0.088919	-0.088429	-0.029604	0.018675
7	0.019346	0.021303	-0.012155	-0.040471	-0.06772	0.003323	0.039145	-0.15277	-0.08898	-0.023014	0.047908	-0.011109	0.150232	0.005008
8	0.066688	0.058689	0.053997	-0.008745	-0.083995	-0.073657	0.034781	-0.083953	-0.101449	0.041287	-0.020381	0.084357	0.021296	0.075958
9	-0.010898	0.057733	-0.046543	-0.001585	-0.034566	-0.007621	0.102279	0.039871	-0.00755	0.095255	0.026133	-0.02161	-0.017073	-0.049679
10	0.05731	0.111985	-0.014228	0.026448	0.097219	-0.048287	0.031027	-0.006522	0.051168	-0.055754	0.063048	-0.004573	-0.035512	-0.053185
11	0.024194	-0.214293	0.11043	0.029691	-0.107571	0.008251	0.072996	0.064988	-0.093266	0.044675	-0.080991	0.069186	0.029255	0.049663
12	0.093728	-0.122906	-0.039842	0.02194	-0.121733	0.004541	-0.089288	-0.039681	-0.102945	0.094617	-0.027733	-0.004999	-0.080121	0.050185
13	0.010021	-0.04065	-0.008209	-0.023267	0.015525	0.054298	0.046762	-0.033543	0.013678	-0.039143	-0.017754	0.063809	0.017381	0.019054
14	-0.007081	-0.034734	-0.017035	-0.021965	0.038624	0.05802	0.013816	-0.019087	0.024289	-0.029429	0.007615	0.04388	-0.005124	-0.004383
15	-0.027841	-0.042408	-0.009319	-0.01777	0.019821	-0.007935	0.007083	-0.010278	0.007861	0.020976	-0.04447	-0.005895	-0.017419	-0.024872
16	-0.057073	0.012855	-0.039469	-0.205293	-0.068586	-0.035596	-0.046637	-0.101957	0.031976	-0.145974	-0.13875	-0.144943	0.06414	-0.050874
17	-0.074276	-0.152385	0.117014	0.041467	0.042543	-0.010366	-0.070191	-0.041841	0.043626	-0.003474	-0.06036	-0.113651	0.067601	-0.105699
18	0.099705	-0.046012	-0.005528	-0.009836	0.014306	-0.052449	0.008203	-0.031939	-0.0265	-0.04597	0.111405	-0.03174	0.035876	-0.024047
19	-0.058857	0.072945	-0.091714	0.028612	0.032455	0.018585	0.006688	0.051599	0.03028	0.027022	-0.000181	0.009066	-0.003621	0.034956
20	0.000633	-0.012841	-0.006145	-0.009338	0.031173	0.022548	0.021915	-0.019132	0.002368	-0.002372	-0.018125	-0.006541	-0.004038	0.003728
21	0.04019	0.016937	-0.078714	0.055658	0.01965	0.01961	-0.071337	0.026296	-0.001601	-0.031898	-0.007358	0.038487	-0.110598	-0.02632
22	-0.083634	0.074932	-0.027896	-0.028409	-0.027438	0.01357	0.085229	0.034753	-0.030066	0.006378	-0.006184	0.060565	0.081662	0.018488
23	0.002278	-0.053634	-0.067661	-0.131524	-0.003048	-0.007358	-0.049664	0.149133	-0.059529	-0.007461	0.066319	0.075032	-0.054355	0.013607
24	0.089825	-0.003377	0.028146	0.019948	-0.022004	0.065329	0.017061	-0.040358	-0.058811	-0.013874	0.113971	0.015085	-0.003627	-0.145722
25	0.033625	0.111325	-0.011876	0.006927	-0.005917	-0.016572	0.05166	-0.052052	-0.007688	0.029656	0.016595	0.034839	0.006408	0.023368
26	-0.003069	-0.023199	-0.011203	-0.010576	0.034024	0.016833	0.008674	-0.020002	0.004135	-0.003549	-0.010498	-0.012796	-0.019756	0.009719
27	-0.003776	-0.010184	-0.000594	0.008778	0.011955	0.00826	0.002456	0.001349	0.004452	-0.024999	-0.008129	-0.005862	0.005222	-0.013996
28	-0.022819	0.018044	-0.009998	0.006032	-0.008491	0.03535	0.062626	-0.017193	-0.020308	0.01605	0.007124	-0.01162	-0.049157	0.056988
29	0.021332	-0.013621	-0.035541	0.038086	0.000872	0.018674	-0.036578	0.02615	-0.044647	0.10786	-0.020944	0.023057	-0.006195	0.014325
30	0.06913	-0.050583	0.027984	-0.065604	-0.02458	0.015384	-0.011099	0.013634	-0.034155	0.04155	0.018939	-0.009128	-0.045612	-0.038092
31	-0.024297	-0.032944	-0.003283	0.012082	0.015507	-0.008063	-0.01436	-0.010237	-0.039754	0.00303	0.029789	-0.00565	0.006636	-0.028232
32	0.004579	-0.001762	0.055681	0.078024	-0.037551	-0.04665	-0.006939	-0.078037	-0.037975	0.057605	-0.051283	-0.027474	-0.085285	0.000545
33	0.03809	-0.037574	-0.003026	-0.058758	0.057767	0.048913	0.032582	0.004015	-0.010942	0.015002	-0.001434	0.005653	-0.036506	-0.008745
34	-0.084098	-0.041549	-0.006309	-0.033452	0.000047	0.005329	0.079767	-0.03244	-0.025273	0.062442	-0.018721	-0.017778	-0.026859	-0.029872
35	0.032894	0.107776	0.093753	-0.120554	-0.059033	0.087282	-0.044935	-0.028454	-0.030461	-0.013906	0.01781	0.048395	-0.143131	0.044519
36	-0.049507	-0.001312	0.004107	-0.006943	-0.000034	0.030785	0.0216	0.012549	0.011515	-0.038731	-0.026174	0.02654	-0.015944	-0.053986
37	0.021638	-0.024227	-0.027461	-0.00964	0.072523	-0.003545	0.033661	-0.001815	0.01979	-0.000724	0.036191	0.014206	0.008486	-0.034803
38	-0.032214	0.040497	0.138496	-0.110901	-0.090991	-0.009306	0.063987	-0.035036	-0.018374	0.077924	-0.028251	0.067898	-0.005224	-0.137158
39	0.016154	-0.005235	-0.008436	0.040881	0.029388	-0.029175	0.026497	-0.026645	0.029629	0.040677	-0.046113	0.033542	-0.0505	-0.013249
40	-0.060804	-0.06247	-0.001214	0.028473	0.010772	0.020153	0.002846	0.02211	0.029305	0.013412	0.011311	-0.079309	0.070683	-0.007077
41	-0.050937	-0.007605	-0.089147	0.024989	-0.013245	0.003078	0.002951	0.050399	0.077624	-0.006847	0.020379	-0.005513	0.043444	0.034036

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
42	-0.004548	-0.030565	0.012758	0.056273	-0.048307	-0.007679	-0.060224	0.055822	0.043392	0.007662	-0.027427	-0.007465	0.05536	-0.000402
43	-0.073069	-0.038059	0.0331	-0.004495	-0.007234	0.026784	0.025042	-0.002174	0.01182	-0.004155	0.032943	-0.032357	0.044225	-0.012753
44	0.019878	-0.004003	-0.007439	-0.022659	-0.037117	-0.003342	0.029334	-0.050451	0.030235	-0.037342	0.066348	-0.029884	0.004204	0.000379
45	-0.017533	-0.018122	-0.012073	-0.006173	-0.048957	-0.015161	0.030411	-0.022766	0.012203	-0.029853	0.030382	0.026279	-0.041065	-0.059849
46	-0.058846	0.0204	0.045062	-0.069505	-0.013623	-0.041599	0.021982	-0.005771	0.051335	-0.001215	0.089924	0.103245	0.002576	-0.100721
47	-0.03599	0.071196	-0.125855	-0.094735	-0.028909	0.08352	0.036154	-0.058517	-0.045137	-0.013195	0.067255	0.062122	0.016908	-0.027504
48	0.031198	0.004735	0.033272	0.00617	0.038789	-0.096272	0.049058	0.007627	-0.055115	0.035679	-0.019577	-0.007108	-0.043975	0.025327
49	0.055751	-0.066002	0.060182	-0.077653	-0.025714	-0.007274	-0.016916	0.008822	-0.01642	0.021415	0.004813	-0.009777	-0.067133	-0.011917
50	0.052649	-0.050988	0.009665	-0.034376	-0.056334	-0.028847	-0.000436	0.016728	-0.013232	0.022613	0.037638	-0.012345	-0.058662	-0.02986
51	0.013052	0.085702	0.041917	-0.030042	0.097959	0.03596	-0.006355	0.018638	0.048306	0.074562	-0.00555	0.029865	-0.013489	-0.061979
52	0.024338	0.076847	-0.100511	0.008288	0.069222	-0.13149	0.03042	-0.017411	-0.003479	-0.033009	0.0245	0.005077	-0.019818	0.019705
53	-0.030154	0.014013	0.027967	-0.048726	0.029489	-0.044228	0.007088	0.028771	0.072617	0.043131	0.004867	0.011218	-0.011489	-0.002394
54	0.077133	0.013069	0.041653	0.029932	-0.010224	-0.029472	-0.051596	-0.022602	-0.004765	0.046355	0.078479	-0.01109	-0.013976	0.036567
55	-0.073791	-0.025355	0.015855	-0.028064	0.001842	-0.012174	0.050058	0.032667	0.043459	0.018524	0.030666	0.040874	-0.086824	-0.031637
56	0.01111	0.003541	0.047014	-0.045191	0.001964	-0.004686	0.024146	-0.017675	0.036765	0.029848	0.009896	-0.067355	0.00626	-0.019556
57	0.026659	-0.01287	-0.038977	-0.007211	-0.030513	0.044427	-0.061033	0.03599	-0.015649	-0.012653	-0.020853	-0.077507	-0.028945	0.014387
58	0.08865	0.015847	0.004226	-0.048565	0.067839	-0.033974	0.04928	-0.035103	-0.003159	0.05724	-0.031216	0.084141	-0.034159	-0.06068
59	0.067504	0.104861	-0.010009	0.043301	-0.018062	-0.02407	-0.044272	-0.126865	-0.02339	-0.056503	-0.111544	-0.054511	0.076773	0.003243
60	-0.067468	0.028295	0.012501	0.051559	0.026874	-0.039148	0.031496	-0.071683	-0.039337	-0.060792	0.00172	0.023325	0.012098	-0.005938
61	-0.018639	0.03569	-0.01335	0.060887	0.06178	-0.073406	0.020643	-0.070022	-0.013269	-0.01827	0.053189	0.070432	0.012578	0.096652
62	0.019733	-0.004206	-0.000659	0.066385	-0.075174	-0.038053	0.009774	0.01918	-0.093876	-0.06329	0.03983	0.008192	-0.019235	0.017873
63	0.043007	0.038967	0.043506	0.024652	0.060716	-0.059071	-0.021854	0.012772	-0.046915	-0.084409	0.01049	0.042086	-0.001484	0.116506
64	0.049659	-0.019563	0.054706	-0.026948	-0.041858	0.033061	-0.047683	-0.043821	0.014916	0.055331	0.009006	-0.046262	-0.009354	-0.019408
65	-0.026674	-0.040595	0.003765	0.037195	-0.03587	0.047873	-0.018928	-0.020183	-0.052257	-0.042301	-0.071048	-0.058006	-0.042556	0.014193
66	0.034432	0.024224	0.026498	0.029609	0.066235	-0.020155	-0.039747	-0.026836	0.085511	-0.072734	0.03223	0.084219	0.02439	0.078399
67	-0.039246	0.055186	-0.051989	-0.058852	0.026982	0.037193	-0.054086	0.028843	-0.056836	-0.012576	-0.039071	0.073577	-0.066928	0.009723
68	0.059486	0.018533	-0.086131	-0.085675	-0.031106	0.066833	-0.084983	-0.055468	0.041794	-0.06224	-0.104959	-0.117996	-0.170489	0.094517
69	-0.003765	-0.010217	-0.01256	0.019937	-0.01859	-0.015266	-0.024234	0.010195	0.007985	-0.015664	-0.027	-0.002523	-0.004061	0.018523
70	-0.022581	0.029595	-0.013729	0.014067	0.001415	0.000736	-0.040099	-0.014546	-0.047214	-0.014347	-0.023945	-0.003486	-0.006098	-0.033397
71	-0.044828	0.046302	0.006501	-0.101048	-0.026476	0.158515	0.041783	0.041894	0.02855	0.102979	-0.036179	0.011833	0.008755	0.187796
72	0.021617	-0.001321	0.042611	-0.010003	-0.049637	-0.038459	-0.033743	-0.010649	-0.032902	-0.051571	0.03611	-0.002093	-0.005607	0.039295
73	0.037284	0.001069	0.037662	0.052193	0.02953	-0.03806	0.006203	0.070686	-0.011356	-0.076313	-0.00944	0.031288	0.046283	-0.023478
74	0.005527	0.059838	0.034113	-0.085213	0.0099	-0.12315	-0.081293	0.084909	0.010944	-0.110051	0.123042	0.073617	-0.044459	0.009991
75	0.011053	0.004776	-0.001231	0.010842	0.005549	0.005073	-0.021967	-0.011407	-0.023523	0.026846	-0.006761	0.008585	0.009247	0.007182
76	0.009287	0.014577	0.028377	0.017507	-0.028401	-0.019141	-0.013064	-0.001451	-0.020747	-0.010114	0.007513	-0.009283	0.008762	-0.008627
77	0.007998	0.013515	-0.001985	0.023212	-0.0022	-0.003222	-0.029053	-0.005894	-0.016692	0.027673	-0.000152	-0.000222	0.016561	0.003046
78	0.013773	0.014048	0.00278	0.022044	-0.002636	-0.000753	-0.027391	-0.002318	-0.026542	0.04148	-0.00256	-0.005521	0.012979	0.000225
79	0.007409	0.018451	-0.004552	0.040977	-0.025982	-0.004158	-0.030466	-0.000445	-0.018863	0.033448	-0.005825	-0.031945	0.028983	-0.021503
80	0.068786	-0.07728	-0.157945	-0.043907	0.113998	-0.007453	-0.107802	-0.135762	-0.038984	0.035787	-0.054814	-0.003794	-0.043702	-0.054783
81	-0.041398	0.065252	-0.027224	-0.092966	-0.012912	-0.11018	0.103448	0.000312	0.038526	-0.127943	0.006863	0.073511	-0.072156	0.058785
82	-0.002888	0.015263	0.012255	0.011997	-0.006621	0.009088	-0.014567	-0.01842	0.002235	-0.008864	-0.025739	-0.018581	0.007649	-0.004057

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
83	0.003316	0.000838	0.009387	0.003222	-0.000357	-0.000679	-0.012731	-0.014635	0.007421	-0.016768	-0.014248	-0.002257	0.004213	-0.00996
84	-0.009168	0.009931	0.014929	-0.001293	-0.001505	-0.004204	-0.011364	-0.006397	-0.002587	-0.021464	-0.007783	-0.0085	0.018295	-0.01787
85	0.029027	-0.030068	-0.03543	0.008179	-0.06331	-0.11644	-0.029534	-0.028568	-0.004551	0.003305	0.051369	-0.008273	0.027784	0.005687
86	0.000745	0.002356	0.02319	0.022245	0.000236	-0.025479	-0.03929	0.008617	-0.000809	-0.009233	0.003341	0.001835	0.040907	-0.025399
87	0.005926	-0.027616	-0.027664	0.044458	-0.002013	-0.011111	-0.029194	-0.030055	-0.038305	-0.062874	0.073234	-0.018534	0.014369	-0.011396
88	0.007525	0.002894	0.010919	-0.000841	0.010044	0.003309	-0.008143	0.003398	0.000479	-0.024358	-0.024446	0.000765	0.004133	-0.015511
89	0.000613	0.007629	0.009066	-0.004206	0.007297	0.00611	-0.005156	-0.016395	0.018453	-0.010103	-0.007844	0.000824	0.001188	0.001349
90	-0.007009	-0.004181	0.017489	0.013661	0.003215	-0.002257	-0.003282	-0.007887	0.017269	-0.00641	-0.005469	-0.005796	0.01841	0.005249
91	-0.006784	0.017643	0.00008	0.000981	-0.004462	-0.020119	-0.017136	0.013832	0.022087	-0.020377	-0.007116	0.004735	0.011249	-0.024315
92	-0.005224	-0.000818	0.053024	-0.00206	-0.030266	0.002082	-0.023243	0.066825	-0.017518	-0.019774	-0.013857	0.006134	-0.016707	0.022375
93	0.021362	0.023035	-0.001573	-0.00567	0.020675	-0.018438	-0.023463	-0.038944	0.022395	0.009912	-0.033034	0.042006	-0.001202	0.00809
94	0.013011	0.004901	-0.008916	-0.013794	-0.018248	-0.018816	-0.001992	-0.026877	-0.016966	-0.00765	-0.059065	0.002448	0.024291	-0.002702
95	-0.108925	0.039116	0.006163	0.084438	-0.118029	0.05587	0.091764	-0.118295	0.095885	-0.116748	-0.059889	0.027622	-0.158497	-0.014498
96	0.008894	0.042877	0.122715	-0.035308	0.101071	0.035316	-0.186225	-0.007012	0.006716	-0.104267	-0.038244	0.011409	0.118096	-0.148118
97	0.025031	0.004114	-0.000412	0.08377	-0.025412	0.009327	-0.027019	0.004547	0.019138	0.013273	0.079884	-0.020001	0.052062	0.071629
98	0.002706	0.00214	0.004088	-0.012044	0.000678	-0.024034	0.020588	0.018653	-0.031221	0.004577	0.02847	-0.046756	-0.024607	0.029002
99	-0.03073	-0.075975	0.026235	0.015456	0.009196	0.016089	0.023605	0.035372	-0.040862	0.022825	0.020682	0.015845	0.006326	0.050766
100	-0.023808	0.029552	-0.027858	0.024972	-0.00132	0.020826	0.022556	0.019791	-0.019766	-0.011493	0.025339	-0.021941	-0.082241	-0.003629
101	0.020696	0.036917	-0.009152	-0.043193	-0.02791	0.025082	0.008809	0.021356	-0.032203	0.013463	0.025557	-0.037335	0.011349	0.028744
102	-0.077224	0.039327	-0.016841	0.051404	-0.046948	0.051463	0.042319	0.041407	-0.076299	0.017764	-0.009635	0.015358	-0.012399	-0.073888
103	0.009201	-0.039614	0.009682	-0.021526	-0.001795	0.171833	0.015338	0.049179	0.067691	-0.131802	-0.074674	0.084823	-0.070271	0.103101
104	0.084749	-0.036943	0.008705	-0.017953	0.100365	0.023979	0.023439	-0.086055	-0.0627	0.041692	-0.016881	0.06849	-0.03388	-0.022763
105	0.125553	0.036939	0.027945	-0.089181	0.212824	0.029955	-0.032609	-0.013531	-0.045297	-0.014311	-0.050546	0.01301	-0.139688	-0.03742
106	0.006875	-0.012883	-0.01407	-0.03949	-0.021288	0.047551	0.03184	-0.08271	0.143293	-0.045794	0.015893	-0.006587	0.058522	-0.08216
107	-0.006309	0.014381	0.009456	-0.01102	0.065307	-0.123004	0.02449	-0.069188	0.071334	-0.059289	-0.032923	-0.070264	0.088194	0.097917
108	0.193366	0.074665	-0.059076	-0.03202	-0.028532	0.152855	-0.099972	0.063394	-0.099454	0.024242	-0.045191	-0.003766	0.030284	0.096663
109	0.080607	0.036434	0.054456	0.171191	0.096199	0.063039	0.090974	-0.070091	0.033375	0.09191	-0.054265	-0.037166	-0.110285	0.010468
110	0.015469	-0.023043	0.054066	-0.06422	-0.064913	0.07483	-0.071786	0.022399	0.173907	0.100099	-0.079094	0.061525	0.105024	0.00972
111	-0.093408	0.054189	0.101338	0.087643	-0.040854	0.00366	0.009765	0.044147	-0.081682	0.078052	0.028866	-0.070081	-0.099355	-0.035839
112	0.042179	-0.046048	-0.093609	0.034435	-0.056479	-0.027927	-0.154857	0.025021	0.087563	-0.04732	0.061571	0.221525	0.084761	0.010807
113	-0.018583	-0.024111	0.032289	-0.010758	-0.031398	0.066059	0.093706	-0.106997	0.085355	0.07252	-0.093356	-0.169221	0.124554	0.133764
114	0.193096	0.075691	0.043648	0.114352	-0.065741	-0.097193	0.053102	0.154627	0.122818	0.074191	-0.042903	-0.002845	0.116423	-0.136833
115	-0.066151	0.042793	0.069904	-0.065498	0.071206	0.063488	-0.02975	0.190789	-0.123293	-0.086886	0.076518	-0.047539	0.109019	0.063572
116	0.011242	-0.045868	-0.080809	0.02962	-0.032666	0.106877	0.018149	-0.124925	0.206756	-0.164328	0.08726	0.022958	-0.118355	0.009779
117	-0.018849	-0.080536	-0.030156	-0.023548	0.020205	-0.016307	0.060063	0.006489	0.06866	-0.016341	-0.005987	-0.042561	0.101092	-0.012431
118	0.020604	-0.037855	-0.045871	0.128697	0.042649	0.039701	-0.048642	0.01216	-0.073208	0.012024	0.066118	-0.003177	-0.044376	-0.032572
119	-0.087337	-0.074907	0.064966	0.018966	0.015132	0.058462	-0.007734	0.005675	0.05795	-0.02507	-0.031395	-0.070096	-0.029307	0.011822
120	-0.024072	-0.017031	-0.006492	-0.01994	-0.01756	-0.019878	0.00592	-0.010381	0.050775	0.005786	-0.031531	-0.052687	0.048621	0.060481
121	-0.057446	0.067476	-0.0449	-0.031723	-0.028179	-0.029646	0.053064	-0.048627	-0.010651	0.03196	0.003036	-0.068818	0.002433	0.022507
122	0.041912	-0.077968	0.020282	-0.030453	-0.03326	-0.033427	-0.083873	-0.017021	-0.022096	0.036758	-0.035001	-0.036767	-0.030723	-0.052523
123	0.047638	-0.006191	-0.037828	0.035417	-0.036447	-0.031531	-0.09636	0.045536	-0.038189	0.026795	-0.050601	-0.114244	-0.0216	-0.037215

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
124	-0.080965	-0.068536	0.016385	-0.009733	-0.010924	0.048792	-0.000236	-0.010402	-0.015685	-0.010482	0.00708	-0.036081	-0.063422	-0.000844
125	0.064828	-0.012821	-0.076178	0.018683	-0.02914	-0.042888	0.0319	-0.051731	-0.011172	-0.06479	0.040297	0.030369	0.007525	-0.001926
126	0.036742	0.021313	-0.04181	0.016034	0.061452	0.046291	-0.015885	-0.028635	0.044558	-0.008459	0.014744	-0.014162	0.02591	-0.018494
127	0.045184	0.010743	-0.03508	0.023941	0.038773	0.037676	-0.006957	-0.005237	0.058956	0.010372	0.015229	0.019392	0.037524	0.012274
128	0.032305	-0.034467	0.020338	-0.047862	0.015852	0.007689	-0.006887	-0.052181	-0.037324	-0.021692	0.07714	0.045042	0.029756	0.015334
129	0.01896	-0.110153	0.065875	-0.049238	0.011342	-0.053035	-0.041887	0.024694	0.019846	0.055928	0.091594	0.026875	0.090707	-0.120305
130	-0.050821	-0.111201	0.122623	0.016054	0.012596	0.052361	-0.122202	0.099818	-0.060041	0.106836	-0.014532	0.147333	-0.16817	0.080015
131	-0.150917	-0.082387	-0.005557	0.180621	-0.144482	-0.039743	0.025859	0.026939	0.086188	-0.070665	0.005619	0.07732	-0.028894	0.078806
132	0.099871	-0.048978	0.023708	-0.024736	-0.054215	-0.034289	-0.023493	0.019778	0.006023	-0.001358	0.156996	-0.035218	0.016823	-0.07188
133	0.102895	0.020604	-0.100739	0.052645	-0.044621	0.039856	0.093359	0.046105	-0.000503	-0.052078	0.05524	-0.028676	0.089134	0.031487
134	-0.080827	0.036555	0.059985	0.058684	0.11419	-0.049917	-0.163771	0.010177	0.034682	0.085436	0.002802	-0.04006	-0.093273	0.150357
135	0.013371	-0.002525	-0.028359	0.010868	0.045226	-0.005701	-0.051204	-0.036486	-0.012643	-0.052059	0.001146	-0.012438	0.039562	0.056157
136	-0.107279	-0.149675	-0.022262	0.073919	-0.025423	0.045355	0.047923	-0.063798	-0.055311	-0.090713	0.023857	-0.134164	-0.012697	-0.025055
137	0.078917	0.011898	-0.024895	-0.033954	-0.037896	-0.001019	-0.005607	-0.061584	0.033986	0.021628	-0.076526	-0.092295	-0.021839	-0.004046
138	0.09904	0.04751	0.086501	0.0425	-0.123004	-0.019235	-0.013978	-0.052267	0.081953	0.089145	0.051158	0.07063	-0.003063	-0.004861
139	0.198776	0.002664	0.000114	-0.134364	-0.044988	-0.041994	0.149435	0.149878	-0.08773	-0.007882	-0.029075	-0.04432	0.017866	0.004017
140	-0.058236	-0.088538	0.038161	-0.152942	-0.07348	-0.144624	-0.117073	0.00605	0.024565	0.179368	-0.008036	0.068694	-0.002273	0.023811
141	0.079351	0.108366	-0.141813	-0.079799	0.06086	0.078996	-0.106094	0.083156	0.08286	0.001567	-0.050966	-0.003091	-0.074896	-0.05084
142	0.034905	-0.027698	0.029034	-0.021689	-0.006358	0.044211	0.039014	0.076612	0.0777	0.01882	0.019006	0.114294	-0.014302	-0.018207
143	0.080267	0.057857	-0.020445	-0.022661	-0.076187	-0.0732	0.062828	0.066375	-0.037297	0.029871	-0.067499	0.035245	0.045422	0.023722
144	-0.095198	0.028655	-0.040137	-0.026497	0.019227	0.026181	-0.006144	-0.038585	0.008996	0.055147	-0.100815	-0.026229	0.023729	-0.002758
145	0.014374	-0.032489	-0.013629	0.216362	-0.047812	-0.010131	-0.051886	0.047129	-0.066756	-0.029621	-0.003589	-0.085221	0.013644	0.014352
146	0.024155	0.019002	-0.063388	0.008987	-0.038848	0.033385	-0.007241	-0.002381	0.055709	-0.041434	0.01891	0.004489	0.107708	-0.015982
147	0.015523	-0.079139	0.03967	0.051978	0.095321	0.010536	0.123614	0.025336	-0.032948	0.041811	0.091338	-0.057199	-0.022417	0.017963
148	-0.079431	0.047195	-0.031196	0.111246	0.07061	0.112187	0.153922	-0.000962	-0.014361	-0.027653	-0.008157	-0.036229	0.147875	-0.095007
149	-0.007358	-0.037817	0.043122	-0.035992	-0.049556	-0.021929	0.041099	-0.037481	-0.098388	-0.109128	-0.123649	0.086831	0.022139	-0.04616
150	0.079693	-0.083808	0.014781	0.0542	-0.030568	0.020859	-0.0384	-0.004541	-0.06093	-0.003894	0.138567	-0.041348	0.114571	0.190357
151	0.159743	-0.080417	-0.046552	-0.000733	0.028064	0.00897	0.030625	0.116965	0.112305	-0.100767	-0.106984	-0.081944	-0.078129	-0.018331
152	-0.061776	0.000704	0.04013	-0.014229	0.054141	-0.024151	0.007302	0.033619	0.07752	-0.035577	0.009629	-0.020042	-0.04436	0.016603
153	-0.000436	-0.04157	-0.010087	0.00351	0.06052	0.073615	-0.020949	0.068046	0.057445	0.040253	0.055497	0.009046	-0.011858	0.002132
154	-0.097049	-0.061603	0.02856	-0.014299	-0.002327	0.002306	0.049274	-0.026029	-0.031485	-0.020926	-0.003767	0.093236	-0.065487	0.021247
155	-0.144114	0.05695	0.009095	-0.022904	0.017704	0.033171	0.0199	-0.031756	-0.070146	0.063718	-0.033779	0.076685	0.060844	-0.053779
156	-0.072919	0.130879	-0.044747	-0.056717	-0.069654	-0.024884	-0.034812	0.075265	-0.053204	-0.024756	-0.156226	0.038412	0.008208	-0.00508
157	0.016124	-0.041704	0.018235	-0.065199	0.04638	-0.117943	0.004323	-0.061639	0.038518	0.023017	0.046581	-0.081805	0.033323	0.014513
158	0.045455	0.199637	-0.033445	0.062452	0.032501	-0.032098	0.051678	-0.144534	-0.028003	0.095946	-0.116361	0.186086	0.047831	0.016824
159	-0.027367	0.079388	0.082172	-0.054618	-0.014266	-0.012039	-0.076766	-0.079862	-0.098189	0.027849	0.059806	-0.045348	0.00708	0.096145
160	0.045796	-0.091464	-0.086847	-0.086797	0.028192	-0.075556	0.054581	-0.114112	0.016466	-0.122296	-0.040309	-0.048123	-0.02197	0.043285
161	-0.06071	-0.019099	-0.118943	0.027684	-0.047171	-0.188164	0.002719	0.064278	0.0661	0.034123	-0.036266	-0.004386	0.02247	-0.049092
162	-0.002941	-0.018235	-0.007373	0.027089	-0.121217	-0.024998	-0.034911	-0.127604	0.134375	-0.040882	0.032945	-0.041656	-0.061857	-0.081018
163	-0.024659	0.001189	0.023725	-0.048558	0.047768	-0.053187	0.040877	0.013463	0.036651	-0.103941	0.047908	0.03203	-0.013487	0.107081
164	0.043001	0.019149	-0.05246	-0.051611	0.015662	0.043791	0.179546	0.094242	0.02412	-0.141754	-0.019169	0.071618	0.006221	0.143683

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
165	-0.133506	0.176115	-0.004986	0.066586	0.033597	-0.110121	-0.006004	-0.043396	-0.015334	-0.058837	-0.009339	-0.054752	0.043623	-0.147312
166	-0.029643	-0.023505	-0.060623	-0.117233	0.009633	0.140346	-0.068194	0.083656	0.103036	-0.056843	0.046452	0.010739	0.115496	-0.177149
167	0.113746	-0.03275	0.010588	0.019012	0.024439	0.077807	0.181847	0.017955	0.037524	0.14442	-0.040622	0.041074	-0.080677	-0.037198
168	0.02737	-0.010086	-0.121447	0.070455	0.05782	0.02188	-0.109482	-0.093366	0.103504	-0.073204	-0.106389	0.042263	0.026329	0.029097
169	0.002239	0.007044	0.059172	-0.043451	-0.021837	0.012244	-0.012219	0.005535	-0.001955	0.005508	-0.020225	0.042638	0.034459	0.035117
170	-0.0431	-0.009805	0.049337	-0.052958	-0.006658	0.037926	-0.01852	0.006344	0.01951	-0.020071	-0.05084	0.046032	0.067317	0.042464
171	-0.030522	0.040831	0.006561	-0.028622	0.030663	0.028005	0.006258	0.03432	0.065941	0.006244	-0.067457	0.052342	-0.016261	0.059339
172	0.034043	0.030632	0.038744	-0.039177	-0.046453	0.039593	0.002544	-0.006874	0.015226	-0.002086	0.033849	0.000552	0.024237	0.082034
173	0.044672	0.009306	-0.043349	0.013342	-0.014009	0.00997	0.009426	0.027651	0.018685	0.02597	-0.019149	0.029703	0.046828	0.000244
174	-0.006377	0.008673	-0.049254	0.004727	0.026287	-0.004596	-0.022645	-0.005704	0.052917	0.065441	0.026874	-0.009811	0.00146	0.03692
175	-0.043928	-0.02583	0.084511	-0.028869	0.137616	-0.01385	-0.067883	-0.070384	0.046699	-0.027808	-0.099173	-0.058621	-0.037501	0.000106
176	-0.058034	0.071981	0.070278	0.032931	-0.036754	0.059954	0.026764	0.046056	0.011228	-0.102975	0.024105	-0.043573	-0.050483	0.043681
177	-0.106207	-0.045686	-0.066044	-0.060027	-0.061208	0.081017	0.025505	0.007961	0.033235	-0.03167	0.065797	-0.029682	0.003365	-0.093517
178	0.025087	0.053144	0.055221	0.071695	0.015736	-0.009566	0.041895	0.023523	0.031232	0.021239	0.070216	0.005766	-0.058721	0.066311
179	-0.012705	0.016292	-0.01335	0.05059	0.029775	-0.000891	0.004754	0.028359	0.034315	0.01129	-0.017067	-0.026645	-0.018986	0.006654
180	0.024695	-0.013125	0.00442	0.034663	0.024277	-0.004226	-0.008702	0.037007	-0.01007	0.02763	0.020275	-0.012919	-0.001362	-0.009533
181	-0.000282	-0.02441	0.009188	0.007666	0.029115	-0.000689	0.032086	0.034797	0.005406	0.028962	-0.017555	-0.013799	-0.036063	-0.025977
182	-0.039289	-0.034294	0.009229	0.038969	0.004402	0.011995	0.009976	0.0395	-0.05439	-0.013513	0.012374	0.020316	0.005659	0.013797
183	-0.075734	0.025276	-0.001597	0.067175	0.011891	0.026126	0.033547	-0.015536	0.008859	-0.076905	-0.032031	0.042731	-0.086077	-0.007069
184	-0.042649	0.079631	-0.003892	0.043362	-0.025936	0.039502	0.027645	-0.006338	-0.000149	-0.034583	-0.073106	0.061537	-0.122228	-0.075428
185	0.153195	0.081178	0.125939	0.011366	0.055815	-0.042065	-0.04815	0.019637	0.070479	-0.048809	0.181639	0.131907	0.084904	-0.10952
186	-0.035776	-0.121976	-0.08489	-0.063652	-0.118948	-0.082042	0.061435	0.009185	-0.007671	-0.016856	-0.021219	0.020188	-0.006048	0.035418
187	0.043409	0.004811	-0.01562	0.052314	-0.045588	0.032912	0.011926	-0.01597	-0.11707	-0.026188	0.033358	0.035646	0.055222	-0.057864
188	-0.044959	0.044581	-0.008459	0.022566	-0.022076	0.011513	0.004908	-0.040564	-0.081513	0.002125	0.047341	0.024873	0.032326	-0.048323
189	0.018875	-0.021274	0.044863	-0.048496	-0.00466	0.010817	-0.02003	-0.041693	-0.101279	-0.006599	0.029542	-0.071192	-0.011444	-0.104103
190	0.044247	0.0072	-0.058766	-0.002066	-0.060388	0.018647	0.024367	-0.033119	-0.024855	-0.075919	-0.016507	-0.037626	-0.000775	-0.049349
191	-0.0183	0.022554	-0.059693	-0.06265	-0.017322	0.003803	-0.041686	-0.038969	0.009204	0.030337	0.047011	-0.029508	0.004412	-0.095716
192	0.022445	-0.047247	-0.004787	-0.036337	0.004889	-0.023538	-0.053055	-0.091386	0.043632	0.004096	0.055044	-0.023864	-0.04457	0.067753
193	-0.027457	-0.024483	-0.009422	0.022571	0.000095	-0.070168	0.033176	0.015459	0.008467	-0.035626	0.006423	-0.026737	0.011942	0.090647
194	-0.052669	0.050759	0.008368	-0.008086	-0.030242	0.028957	0.003359	-0.003853	-0.038616	-0.041951	0.051438	0.011463	0.062324	0.053741
195	-0.028519	-0.012267	-0.050214	-0.089802	-0.031763	-0.071821	-0.026739	-0.018726	0.083652	-0.046885	-0.102868	0.024872	0.011582	-0.026793
196	-0.014596	0.014933	0.011158	-0.072657	-0.05269	-0.04126	-0.059656	0.005015	0.002358	-0.01259	-0.007978	-0.02998	0.001832	-0.098049
197	0.01642	0.043206	-0.049775	-0.025586	-0.053513	-0.021748	-0.056806	-0.032146	-0.118179	0.001696	-0.029452	-0.028849	-0.019175	-0.035971
198	-0.068019	0.132206	0.11713	0.012354	0.02096	0.021595	-0.079396	-0.070074	0.055473	-0.033767	0.126093	0.074613	-0.00803	0.104484
199	-0.004944	0.076674	0.111318	0.015045	-0.000408	-0.050362	0.078715	-0.001675	-0.029764	0.096353	-0.078471	0.004207	0.023763	-0.020616
200	0.133219	0.049715	-0.068159	-0.033803	-0.000185	0.006975	0.033739	-0.022158	-0.012834	0.102111	0.002936	-0.035704	-0.085646	0.157473
201	-0.070192	-0.010761	-0.045164	0.094073	0.055508	0.007459	-0.053923	0.099036	-0.05202	0.053003	0.008625	0.001817	0.117007	0.002697
202	-0.006876	0.043928	-0.045278	-0.017636	0.058148	-0.058509	-0.038647	-0.052635	0.063399	0.052238	0.008986	0.046221	0.101538	0.060236
203	-0.021161	0.039783	-0.04415	0.109958	0.082625	0.047361	-0.064085	0.000009	-0.038473	0.035321	0.061294	-0.110141	-0.083822	-0.004985
204	-0.148055	0.038526	0.049042	-0.11764	0.001247	0.135068	0.046494	0.043975	0.08519	0.039986	-0.0698	-0.056642	0.091579	-0.001402
205	-0.095969	-0.02446	-0.001631	0.015511	-0.127127	-0.041861	0.027351	-0.051551	-0.026656	0.012824	0.1712	-0.000425	-0.055451	-0.029821

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
206	0.14587	-0.111404	-0.059296	0.071549	0.012776	-0.074735	-0.003763	-0.023516	-0.123236	-0.024822	-0.11422	-0.050104	0.073804	0.013941
207	0.042174	0.002077	0.039637	-0.061043	0.02653	0.031281	0.033322	-0.054704	-0.058554	-0.109311	-0.02266	0.060345	-0.132086	-0.146128
208	0.017311	0.013808	-0.113809	0.044814	-0.083973	0.002409	-0.141754	0.09175	0.008044	-0.011195	0.013524	0.054977	0.071344	0.043465
209	-0.004161	0.036347	-0.035655	0.04268	-0.071873	-0.003777	-0.017504	0.12763	-0.03354	0.034816	0.016528	-0.004881	0.04017	-0.067468
210	-0.003078	-0.08204	-0.005552	-0.079252	0.038908	0.063589	0.082032	-0.080588	0.004646	0.036458	0.091965	-0.092015	-0.139692	-0.004481
211	-0.110833	0.028032	-0.094516	0.011992	-0.002426	0.021544	-0.032894	0.016956	-0.016585	0.192719	0.063935	0.076184	0.053129	-0.011245
212	0.089811	0.139756	0.021995	-0.004484	0.138295	0.055752	0.134349	-0.089778	-0.078573	-0.021956	0.001092	-0.037349	0.056597	-0.032897
213	0.021149	0.005831	0.066947	-0.068454	0.062984	0.110196	0.016578	0.05668	-0.036212	-0.025699	0.102882	-0.107696	-0.002351	0.062481
214	-0.017349	-0.002603	-0.020703	0.005926	-0.027223	-0.028179	-0.021324	-0.000301	0.004824	0.007328	0.002145	-0.051574	-0.010087	-0.00862
215	0.017404	-0.078958	0.011126	-0.099306	0.059505	-0.182225	-0.0402	0.016264	0.074098	0.103318	-0.032495	-0.120732	-0.044964	0.095015
216	0.002863	-0.040552	-0.06012	-0.029603	0.010475	0.084041	0.032264	-0.054109	-0.032403	-0.030964	-0.008902	0.062285	-0.003167	-0.069057
217	-0.014343	-0.069443	-0.021573	-0.013654	0.044385	-0.04092	-0.005511	-0.029482	-0.008259	0.055325	0.034574	-0.019207	-0.027706	0.019371
218	0.007155	0.011276	-0.025131	-0.007644	-0.024695	-0.046502	-0.011984	0.017877	0.066532	0.036596	0.009524	-0.037578	0.032011	0.013445
219	0.024775	0.009519	0.011665	0.002522	-0.06307	-0.007783	0.026881	0.043717	0.043127	0.017408	-0.026212	-0.007456	0.018749	-0.024506
220	-0.021031	-0.024287	0.020543	0.015568	-0.027852	-0.002631	-0.018144	-0.038234	-0.015119	0.014421	0.032847	-0.019462	-0.02487	-0.002967
221	0.004628	-0.001388	-0.017521	-0.01756	-0.110066	0.053317	-0.044641	-0.00538	-0.006332	0.000401	-0.044679	-0.03039	-0.028542	-0.02786
222	0.06476	0.035608	-0.005407	0.003834	0.017203	-0.015333	0.019189	-0.00782	0.059218	0.017843	0.010751	-0.001199	-0.065693	-0.017618
223	0.014805	-0.012576	0.043805	0.010561	0.071368	-0.00098	0.035814	0.06118	0.062379	-0.043013	0.005884	0.046747	0.007503	0.012409
224	0.035383	0.010634	0.053188	-0.067624	-0.015506	-0.027418	0.030421	0.04766	0.072009	-0.055769	0.032735	-0.006606	-0.00059	-0.02772
225	0.037794	0.00759	0.065553	-0.060417	-0.054921	-0.013538	0.053254	0.006051	0.040451	-0.037678	0.017664	-0.011232	0.030226	0.003496
226	-0.048078	0.016113	-0.028472	0.014849	-0.026265	-0.027263	0.017827	-0.017663	-0.023333	-0.0147	0.046341	0.049117	-0.071958	-0.099341
227	0.041518	-0.010723	-0.075117	0.008822	-0.015831	-0.035037	0.034704	-0.008199	0.029066	0.087192	0.030588	0.038415	0.044481	-0.072062
228	-0.02801	0.067187	0.013115	0.009673	-0.056877	0.099752	-0.138503	-0.078736	-0.092069	0.052152	-0.021017	-0.174553	-0.042995	-0.04124
229	0.025693	-0.0789	-0.020637	0.011898	-0.045373	-0.045348	0.043706	-0.001971	0.025615	-0.071009	-0.049277	-0.039919	-0.001647	0.067227
230	0.010566	0.050315	-0.083257	-0.047917	-0.022345	0.043162	0.017882	-0.086214	-0.009933	0.018055	0.008584	0.018271	0.039291	0.063872
231	-0.000007	-0.034612	-0.066246	0.008024	-0.02133	-0.035642	-0.002563	0.008213	-0.171174	-0.07645	-0.056606	0.079366	0.086843	-0.073371
232	-0.049525	0.195505	-0.120089	0.041071	-0.035099	-0.115562	-0.133926	0.077593	-0.032104	-0.037257	0.155745	-0.064543	-0.060317	0.046641
233	-0.044103	0.048149	0.013192	-0.012302	0.026835	0.003717	0.017295	0.008059	0.071675	-0.012021	0.076222	0.026242	0.068286	0.031416
234	0.060272	0.003804	0.020004	-0.020508	-0.069829	-0.006809	-0.024111	-0.047719	-0.014674	-0.088283	-0.023484	0.013069	0.106434	0.089252
235	0.014497	-0.072363	-0.019745	-0.014364	-0.034388	-0.04097	0.037485	-0.021029	0.053826	0.017819	-0.067408	-0.08905	0.015312	0.015736
236	-0.016725	0.009487	-0.068182	-0.001192	0.038596	0.001522	-0.005095	0.01635	-0.059981	-0.090982	-0.007342	0.022404	-0.029888	-0.011557
237	0.047211	-0.00215	-0.048295	-0.039584	-0.05425	0.014433	0.017427	-0.030648	-0.075954	-0.003327	0.003029	-0.002354	0.021843	0.011373
238	-0.016212	0.041571	0.006522	-0.028884	-0.030403	-0.026988	-0.004037	0.01672	-0.031372	0.011294	-0.037883	0.008489	0.020345	0.048045
239	-0.078733	0.017799	0.015461	0.01067	-0.002143	-0.045494	0.005216	0.03659	-0.007902	0.012241	-0.026707	0.012656	0.002558	0.009387
240	-0.001468	0.034395	-0.008963	-0.019824	0.049148	-0.029035	-0.066491	-0.042294	-0.03611	-0.071785	-0.015277	0.004823	0.035984	0.022362
241	-0.072398	0.002673	-0.026653	-0.067363	0.058193	-0.01283	0.019117	-0.025165	0.030523	-0.002661	0.045585	0.005581	0.056544	0.040303
242	0.019971	-0.026819	0.058355	-0.017667	0.104724	0.025073	0.015589	0.042716	0.026874	0.014485	0.030337	0.016393	0.016745	0.045271
243	-0.0019	-0.067963	0.014519	-0.055136	0.020007	0.003841	-0.016743	0.03026	0.027517	0.00855	-0.013659	0.009919	0.050942	-0.031357
244	0.033411	0.009695	-0.08088	-0.01019	-0.038379	0.042934	-0.062393	0.029526	0.003006	0.00356	0.009976	-0.049432	0.001783	0.000075
245	-0.016612	-0.004728	-0.047707	-0.109153	0.043457	-0.030295	0.048071	-0.038895	0.061788	0.155508	-0.003872	0.017795	-0.01988	-0.010333
246	0.00539	0.02622	0.051251	-0.02774	-0.010771	0.004898	0.053051	-0.045933	-0.046743	0.035929	-0.025187	0.013362	-0.004956	0.016196

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
247	0.002166	0.013685	0.040566	0.0055	-0.032537	0.01821	0.034186	0.012246	-0.038917	-0.068909	0.015292	0.037186	-0.01507	0.070116
248	0.011073	0.003187	0.009098	0.045451	-0.04	-0.016649	-0.009434	0.025773	-0.058438	-0.049443	0.040545	0.025874	-0.018935	0.058498
249	-0.010914	0.036414	-0.082282	0.01088	0.028764	-0.08651	0.005565	-0.056626	-0.012221	-0.003835	0.042621	0.008647	0.034926	0.071099
250	0.003891	0.012021	-0.016038	-0.02267	-0.014515	-0.044991	-0.041675	-0.007981	-0.104355	-0.071807	-0.031413	0.067167	0.036855	0.006161
251	0.034867	-0.037629	-0.008764	-0.048057	-0.020641	-0.004309	-0.027891	-0.006438	-0.004412	-0.013938	-0.047131	0.023984	0.017507	0.036869
252	-0.002229	-0.06687	-0.002875	0.025068	0.089091	-0.04934	0.036505	-0.003946	0.090447	0.019358	0.114938	0.034471	-0.017635	-0.063391
253	-0.094008	-0.006341	-0.018938	0.064941	0.049074	-0.029162	0.034629	0.002763	-0.060998	-0.047292	-0.028562	0.086301	-0.022212	-0.016667
254	-0.016168	-0.027007	-0.028834	0.027145	0.042136	0.057852	0.027213	0.121143	0.051111	-0.012207	0.011213	-0.01695	0.071551	0.002123
255	0.019828	-0.007042	-0.012501	-0.006517	0.00749	0.063979	-0.016328	0.016163	-0.016897	-0.009424	0.000932	-0.02347	0.002739	-0.000681
256	-0.089835	-0.012967	0.014722	-0.061306	0.020251	-0.113584	-0.001728	-0.034674	0.031091	0.037267	0.047112	-0.091912	-0.017119	-0.029563
257	-0.003368	0.007058	0.091579	-0.014688	-0.034133	-0.062129	0.054826	-0.007413	0.002335	-0.023368	0.01896	-0.026802	-0.023331	0.040827
258	0.000926	-0.001789	0.013678	-0.034815	-0.021932	0.044486	0.044233	0.026906	-0.029441	-0.026294	0.000692	0.008217	0.036271	0.030142
259	0.032726	-0.04633	0.01067	-0.003436	-0.003491	0.024669	0.010513	0.008926	-0.016334	0.067435	-0.018977	0.015551	-0.018039	0.003454
260	0.01287	-0.094057	0.011462	0.151096	-0.079744	0.078649	0.00937	-0.002884	0.036372	0.052518	0.060944	0.056691	-0.009038	-0.045979
261	0.006407	-0.07295	-0.00652	0.047227	-0.045073	0.094184	-0.030446	-0.053385	-0.00316	0.017078	-0.10459	0.029949	0.011604	-0.016602
262	0.006595	0.048757	-0.010755	0.02915	0.064034	-0.018474	-0.007771	-0.074683	0.031019	0.023818	-0.041297	0.023443	-0.018779	-0.012391
263	0.006749	0.035939	-0.004366	0.047434	0.078666	-0.045336	0.023267	-0.044434	0.002705	0.064306	-0.033164	0.007583	-0.019711	-0.017145
264	0.054058	0.036912	0.021029	0.056761	0.023117	0.002506	0.009344	0.02527	-0.015485	0.031929	-0.043541	-0.055785	-0.023348	-0.041702
265	-0.015393	-0.008755	0.025666	0.026444	0.037185	-0.024854	0.025039	0.086611	0.063662	0.022644	-0.092551	-0.011347	0.043169	-0.086519
266	-0.047277	-0.06832	-0.033187	-0.009801	0.0309	-0.000609	-0.009054	0.057117	0.045958	-0.00457	-0.092875	0.095024	0.036968	-0.043801
267	-0.146401	-0.009759	-0.001955	0.011969	-0.009331	0.014305	-0.029132	0.052909	-0.115596	-0.014283	0.035476	0.042661	-0.066088	0.045682
268	-0.042923	0.036735	0.00788	0.00549	0.055024	-0.042087	0.005431	-0.006534	0.001731	-0.024256	0.079652	0.032279	-0.053556	-0.068986
269	-0.029154	0.015266	-0.01255	0.028008	0.033692	-0.036039	0.003141	0.00413	0.011383	-0.036032	0.076385	0.026878	-0.059137	-0.079535
270	-0.012047	0.022006	-0.00762	0.065615	0.040785	0.030442	-0.026539	-0.02452	0.017725	0.001838	0.039884	0.105686	-0.02321	-0.081568
271	-0.01341	-0.052653	-0.183397	0.008429	0.091296	0.022536	0.127292	0.015183	0.00618	0.0442	-0.099103	0.151352	0.021479	0.018819
272	0.008355	-0.004207	0.019514	0.041805	-0.030486	0.026455	0.004757	0.016461	-0.048888	-0.025515	-0.095754	-0.044344	0.008812	0.025301
273	0.03494	0.048967	0.0393	0.015923	0.017745	-0.022137	-0.003768	-0.057753	0.04052	0.031108	0.002273	-0.024935	0.052006	0.009091
274	0.036641	0.021237	0.031764	0.034599	0.011647	-0.013447	0.006176	-0.05166	0.036955	0.024295	-0.0057	-0.033212	0.05001	0.012787
275	0.052039	0.033945	-0.095038	0.016764	0.027686	0.136371	-0.038721	-0.070443	-0.037754	0.067465	-0.012522	0.071355	0.057643	0.058142
276	-0.022555	0.003315	-0.033395	0.04023	0.069038	0.029395	-0.033502	0.033885	-0.040138	-0.122168	-0.03159	-0.021777	-0.078631	-0.044211
277	0.029495	-0.035205	0.073216	0.01611	0.006989	0.018125	-0.07601	-0.010141	0.034435	-0.045218	-0.042765	-0.008898	0.017608	0.006219
278	0.005233	-0.08047	0.01904	0.051989	0.018393	0.035966	-0.017983	-0.016711	0.051741	-0.071412	-0.03252	-0.00339	0.035131	0.001418
279	-0.056998	-0.010842	-0.004065	0.05355	0.002907	-0.050148	-0.036277	0.047909	-0.006892	-0.03165	-0.03727	0.018341	-0.019525	0.000225
280	-0.024955	0.000388	0.033277	-0.107302	0.040716	0.039742	-0.139979	0.025559	0.002995	0.001751	-0.058546	-0.008634	0.090343	-0.045285
281	-0.016742	-0.033913	0.097137	-0.003567	-0.005379	0.085113	-0.040996	0.004966	-0.041204	-0.00118	-0.057191	0.037733	-0.01158	-0.029664
282	-0.030288	-0.074079	0.003256	0.0447	0.034434	0.06114	0.042749	0.052272	0.051857	0.023672	-0.026351	0.060797	0.012024	0.005153
283	-0.001239	-0.091534	-0.052392	0.119722	-0.052795	0.008868	-0.041049	0.031732	-0.005074	-0.067394	-0.011911	0.063282	-0.035515	0.017664
284	0.009128	0.010173	0.090934	0.012706	-0.040045	-0.029193	0.010498	0.007315	-0.006568	-0.025816	-0.016902	-0.028537	-0.022285	0.016481
285	0.00394	-0.038762	0.038437	-0.06407	-0.00184	-0.065419	0.053927	0.009575	0.035334	-0.019953	0.009835	-0.020917	-0.032535	0.048378
286	-0.005747	-0.028896	0.053206	-0.008964	0.013558	0.078789	0.033444	0.086166	-0.00224	0.038008	-0.020651	-0.020882	0.060645	0.046782
287	0.012684	-0.036403	0.002433	0.004058	0.030319	0.085334	0.047573	0.068633	0.028656	0.047626	0.007604	-0.017064	0.069744	0.039603

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
288	0.048562	-0.074529	-0.026584	0.084012	0.003083	0.066493	-0.025549	0.018642	-0.051588	0.003002	-0.030911	0.007381	0.015207	-0.038462
289	-0.024967	-0.004725	-0.00939	0.031788	0.047872	-0.018546	-0.020278	-0.062211	0.070098	-0.007298	-0.039158	0.010628	-0.004298	-0.010415
290	-0.020172	0.039428	0.001501	0.043813	0.015868	0.07735	-0.056227	-0.007454	0.057875	0.008327	-0.000886	0.024619	-0.005995	0.055433
291	-0.018493	0.038176	0.010637	0.028826	0.0075	0.079145	-0.064003	-0.0055	0.047536	0.019867	-0.008975	0.031809	-0.002276	0.067138
292	-0.008739	0.045293	0.016494	0.025048	-0.000764	0.031144	-0.065169	0.001888	0.00735	0.000993	-0.019666	0.029569	-0.00734	0.053369
293	0.011429	-0.032462	-0.014756	-0.027889	0.125935	0.035509	0.016021	0.043957	-0.05374	-0.006841	-0.049889	-0.035194	0.080235	-0.014015
294	0.051001	-0.052252	0.035566	-0.032368	-0.022593	0.017266	-0.077782	0.065648	-0.000205	0.05098	-0.011377	0.044782	0.017321	-0.012149
295	-0.012575	-0.016574	0.073355	-0.011663	0.04735	-0.0449	-0.011489	-0.015528	-0.014659	0.033693	-0.056204	0.034812	0.104862	0.025838
296	-0.00334	-0.022399	-0.002742	0.058648	0.026108	0.032316	-0.059031	-0.118559	-0.012241	0.07196	-0.034188	0.130963	0.026494	-0.039749
297	-0.001312	-0.043979	0.080509	0.017669	0.054734	-0.02454	-0.050964	-0.029502	0.051691	-0.021263	-0.029702	0.023673	0.038964	0.001879
298	-0.006352	0.011388	-0.053934	-0.048822	-0.133762	0.011366	-0.080344	0.006949	0.051516	-0.012846	0.015727	0.037747	-0.027648	-0.006032
299	-0.039334	-0.093995	-0.058407	-0.042104	-0.011335	-0.041021	-0.056729	0.050839	0.01565	-0.067503	-0.030034	0.096922	-0.009165	0.005349
300	-0.115732	0.040896	-0.048696	-0.050851	-0.012982	-0.044876	0.022958	-0.103952	-0.071433	-0.037198	0.044702	-0.039796	0.120663	0.033603
301	0.022485	-0.02753	0.046284	-0.01915	0.025103	-0.084487	-0.034657	-0.006484	0.018172	-0.080835	-0.064895	0.052252	-0.027513	0.029848
302	-0.003337	-0.041024	0.042044	-0.027736	0.028998	-0.038076	-0.042779	-0.028062	-0.004417	0.000607	-0.072312	0.095544	-0.038716	-0.017147
303	0.006146	-0.103518	-0.023133	-0.033914	-0.036744	-0.061564	-0.05516	-0.002311	-0.020773	-0.127962	-0.029724	0.092591	-0.063019	0.039041
304	0.000924	-0.044871	-0.028893	-0.013492	-0.025416	0.011826	-0.07388	-0.006934	-0.075549	-0.087686	-0.069104	0.147504	-0.062815	0.008486
305	0.041775	-0.022462	-0.07946	0.019624	-0.003375	-0.028051	0.067989	0.070368	-0.078073	-0.014051	-0.064904	-0.048734	-0.046748	0.008991
306	-0.027749	0.06096	0.082921	-0.041473	-0.055939	0.039332	0.089264	-0.003497	-0.00434	-0.025083	0.024274	0.000467	-0.031898	0.109922
307	0.06006	-0.07037	0.071474	0.052608	0.059979	-0.047751	0.063118	-0.106559	-0.090661	-0.010326	0.021681	0.031817	0.010317	0.001554
308	0.021299	0.024183	-0.054431	0.034298	-0.002875	0.007866	0.012174	-0.014268	0.008188	-0.00714	0.034967	-0.012385	-0.033719	0.008431
309	-0.018371	0.035113	-0.04885	0.031457	0.049974	-0.008111	-0.033098	0.006585	-0.004399	-0.007906	0.002581	-0.00371	0.042832	0.027113
310	0.013893	0.030527	-0.002436	0.055064	0.079454	-0.016558	0.013351	0.051513	-0.062488	-0.039125	0.006273	-0.004492	-0.020643	0.054332
311	-0.000799	0.039988	0.052532	0.048668	0.052008	-0.004697	-0.000011	0.000891	0.053884	-0.015507	-0.035024	-0.051291	-0.008535	0.002983
312	0.198241	0.105925	0.085393	0.036959	-0.100848	0.123124	0.093203	0.025968	0.098375	-0.193867	0.018729	-0.037606	-0.019919	-0.149509
313	-0.048363	0.067769	0.042328	0.01207	-0.003229	0.059269	0.025611	0.015248	0.067116	-0.007026	-0.012995	-0.082245	0.009524	0.066404
314	-0.013006	-0.041993	0.058995	-0.025526	0.135024	0.093243	-0.028967	0.000945	-0.006961	-0.00931	0.076359	0.04698	0.06929	0.019372
315	-0.03402	-0.009786	-0.069983	0.012656	-0.028317	0.025684	-0.010345	0.024811	0.029339	-0.013974	0.013223	-0.021408	0.035677	-0.050504
316	-0.034473	0.030984	-0.186557	-0.107616	-0.143028	0.176453	0.053407	-0.033586	0.01369	0.103396	0.119519	-0.023425	-0.061456	0.00583
317	-0.012269	0.000954	0.040242	0.029559	-0.001936	-0.033754	-0.046017	-0.014797	0.04068	-0.021743	-0.01407	0.002993	0.062168	0.007378
318	-0.041349	-0.029362	0.096497	-0.081513	-0.01834	0.109459	-0.060037	-0.041556	-0.080876	-0.02881	0.054938	0.070295	0.03543	0.037599
319	-0.008591	0.045699	-0.026886	0.000877	-0.050897	-0.013771	-0.035301	-0.001804	0.034139	-0.021744	0.002918	0.003251	0.051732	-0.005536
320	-0.042724	0.128851	0.092035	-0.037467	-0.13026	-0.037293	0.029647	-0.053536	0.007299	0.056361	-0.003785	0.039087	0.033283	0.054452
321	-0.018058	-0.075704	0.047104	0.016893	0.046572	-0.036535	-0.072697	-0.111163	0.051339	0.040804	0.062047	-0.012025	-0.030038	-0.044384
322	-0.050133	-0.051244	0.154371	0.040829	0.131993	0.064729	0.104399	-0.105432	-0.128942	-0.079666	-0.001101	-0.010434	0.018101	-0.044778
323	-0.053613	0.013276	0.045371	-0.10963	-0.010051	-0.040747	0.067531	0.110453	0.040888	0.000061	0.017888	0.027993	-0.142056	-0.010195
324	-0.043706	-0.004318	-0.106349	0.036446	0.116358	0.019152	-0.034818	0.009301	0.095285	0.069024	0.012445	0.000943	-0.121847	-0.02994
325	-0.010061	0.024328	-0.069228	0.063754	0.023634	0.078818	-0.091337	-0.103522	0.008443	0.017409	-0.030516	-0.098415	0.019998	-0.021123
326	-0.073913	0.020458	-0.061839	-0.078031	0.043511	0.005753	0.004037	-0.040486	-0.061035	-0.01663	-0.05412	-0.022678	0.019224	0.028726
327	0.018225	0.021394	-0.042147	0.003271	-0.010849	-0.013421	-0.017588	-0.000887	-0.048976	0.039717	-0.024595	-0.012136	-0.048507	-0.002434
328	0.000296	0.014524	-0.04668	0.156592	-0.207226	-0.074615	0.129646	-0.068016	0.110651	0.121507	-0.0551	0.090013	0.009625	-0.027637

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
329	-0.034288	0.018836	0.008915	-0.028453	-0.026651	-0.064867	0.013716	0.039525	-0.023177	0.023249	-0.013914	-0.039941	-0.076605	-0.048334
330	0.002407	0.106695	0.00137	0.122552	-0.012914	0.127132	-0.102161	0.103743	0.108364	0.005859	0.043031	-0.084548	0.008258	0.064251
331	-0.010595	0.026004	-0.080944	-0.007074	-0.008779	-0.028117	0.00208	0.060732	-0.020302	0.033743	-0.030606	-0.025783	-0.028237	-0.050938
332	-0.044324	0.008812	0.029928	0.137163	0.046615	-0.093754	0.032067	0.160169	0.019451	-0.035998	-0.10202	-0.036926	0.03293	0.039585
333	0.001548	0.033517	-0.029822	0.023598	0.059294	0.005315	-0.068071	-0.023257	0.026442	0.013553	-0.022049	-0.018615	-0.015587	-0.054999
334	0.077546	-0.142575	-0.135804	-0.037506	0.11383	-0.058304	0.081301	-0.008636	0.023382	-0.040564	0.217922	-0.03232	0.013799	0.095251
335	0.018843	0.042778	-0.061968	-0.022667	-0.012547	-0.00738	-0.029759	0.023876	0.014026	0.007675	-0.051069	-0.019052	-0.047432	0.005637
336	0.078542	0.093358	0.071639	0.024123	-0.056001	0.027445	-0.101264	0.034576	-0.11366	-0.011674	0.008757	0.007308	-0.009934	-0.039693
337	0.042594	0.058803	0.023968	-0.037779	-0.011637	0.02112	0.047845	-0.055637	0.055713	-0.075654	-0.09096	0.051021	0.049799	0.103847
338	0.015096	0.049099	-0.10376	-0.141731	0.113341	-0.088643	0.01953	0.118989	-0.06094	0.048577	0.034756	-0.031675	-0.004234	-0.072876
339	-0.069046	0.042375	-0.032087	-0.013129	-0.081677	-0.000551	0.083974	0.149855	-0.062909	-0.061574	-0.005581	-0.177257	0.015259	-0.084626
340	-0.073144	-0.129336	-0.167682	0.007637	0.054671	0.116036	0.046329	-0.119594	-0.115875	0.053993	0.132239	0.044976	0.127797	0.002663

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
1	-0.030787	0.021226	0.057227	0.026446	0.020007	-0.057597	-0.027153	0.011878	-0.041059	0.036329	-0.022085	-0.061568	-0.005806	-0.0199
2	0.012896	0.015959	0.024	0.036468	0.015331	-0.036137	0.023485	0.000253	0.01609	-0.02331	-0.03007	0.096143	-0.024246	-0.013844
3	-0.030331	0.021348	-0.021968	0.026155	-0.009106	0.021233	0.019243	0.049722	-0.041833	0.026777	-0.026205	-0.062479	-0.015042	0.032657
4	-0.045346	-0.042564	0.012343	-0.032466	0.033391	-0.030962	-0.004663	0.034839	0.106209	-0.074882	0.032615	-0.027625	-0.009487	0.001703
5	-0.069563	-0.045737	0.004696	-0.054652	0.054622	-0.067109	-0.052625	0.051895	-0.012128	0.074315	0.006433	-0.038101	0.098416	-0.005415
6	-0.075238	0.007863	0.038	0.029845	0.07621	0.022211	0.134965	0.020385	-0.047942	-0.021612	-0.080936	0.124462	-0.067208	0.028486
7	-0.07269	-0.014602	-0.029105	-0.105394	-0.149205	0.027066	0.073697	-0.038393	-0.114393	-0.071423	0.020854	-0.055453	0.064301	-0.082297
8	0.004779	0.047765	0.063567	0.029582	0.038479	0.06678	-0.033101	0.003849	-0.059681	0.05694	-0.097816	-0.03829	-0.141497	0.070485
9	-0.023533	-0.035485	0.058704	0.07716	-0.003851	-0.048168	0.109659	0.032362	-0.020648	-0.101493	-0.104399	0.048977	-0.008495	-0.135748
10	0.081381	-0.005153	0.059809	-0.000251	0.013802	0.065771	-0.096304	-0.018517	0.02778	0.082881	-0.053125	0.008381	-0.050906	-0.01854
11	-0.101342	-0.101247	0.119068	-0.06268	0.029072	0.087396	-0.093195	-0.024344	-0.111722	0.052612	0.040771	0.056946	0.05941	-0.02081
12	0.124041	0.096952	0.053752	-0.008002	0.025331	-0.094447	-0.072163	0.029329	-0.115935	0.011921	-0.046677	-0.061001	-0.048191	-0.088435
13	0.005237	-0.030521	0.030695	-0.00316	0.003576	0.065959	0.006089	0.004807	-0.053531	-0.012552	0.061418	0.012536	-0.013048	0.035666
14	0.026733	-0.062039	0.015224	0.004603	0.007182	0.056481	-0.045244	-0.000093	-0.020427	-0.008472	0.014583	0.003574	-0.041372	-0.015046
15	0.016772	0.014561	0.029109	0.013685	-0.036831	-0.008345	-0.038253	-0.04478	0.012683	0.078029	0.001019	0.005554	-0.064779	-0.046284
16	0.135991	0.020003	-0.032711	-0.079543	0.094671	-0.004416	0.061534	-0.016177	0.062775	0.02456	-0.122673	0.100386	-0.007008	-0.006259
17	-0.058957	-0.031005	0.018434	-0.033306	0.113072	0.116441	-0.100337	-0.10604	0.137814	-0.048612	0.089098	-0.040499	-0.007605	0.10992
18	0.008516	0.047551	-0.076619	-0.015571	0.045602	0.007331	-0.048237	0.05566	-0.062056	0.014503	0.063726	-0.034852	-0.093713	-0.065688
19	-0.011526	0.045757	-0.134369	-0.018541	0.051424	0.043954	0.039106	-0.051513	0.067552	0.155492	0.002106	0.050045	-0.003327	0.095993
20	0.004224	0.013017	-0.006215	0.037504	-0.020978	0.008016	0.010503	-0.020991	-0.004006	0.005737	-0.012192	-0.019629	-0.012991	-0.003101
21	0.027447	0.001946	-0.103702	-0.1142	0.041733	0.013767	-0.182123	-0.126559	-0.011349	-0.092076	0.099917	0.081998	-0.029646	-0.028849
22	-0.032049	0.035591	0.075107	0.018172	-0.04991	-0.17136	0.084349	-0.020524	0.149439	0.018966	0.103519	0.003194	0.09219	0.049149
23	0.041863	0.11089	0.096708	0.036386	0.040531	-0.037876	-0.007962	-0.097613	-0.077892	0.133659	0.057587	-0.076176	0.02849	-0.006982
24	0.033099	-0.120798	-0.016806	-0.059851	-0.077493	-0.002126	0.082751	0.058757	-0.013794	0.047845	0.095885	0.003405	0.194541	-0.03503
25	0.016053	0.030536	-0.008542	-0.092807	-0.016627	-0.112979	0.018134	0.004411	0.06112	-0.098969	0.034576	0.019104	-0.015509	-0.034722
26	0.001373	0.012867	-0.025708	0.02199	-0.01497	0.015335	-0.001408	-0.011957	-0.001726	-0.01705	-0.014469	-0.000898	-0.007311	0.000394
27	-0.001134	0.003714	-0.012344	0.018451	-0.019224	0.026211	-0.016183	-0.014633	-0.009104	0.006788	-0.00748	0.002906	-0.020428	0.008592
28	-0.021916	-0.020661	0.033287	-0.095122	0.039941	0.019719	-0.022454	0.049755	0.061868	-0.06533	-0.002557	-0.042865	0.041594	0.003308
29	-0.017894	0.022352	-0.031784	-0.098161	0.041623	0.068505	-0.038007	0.124216	0.00966	-0.13408	0.023408	-0.056275	-0.050025	0.019017
30	0.074399	-0.013233	0.026198	-0.010522	-0.009506	-0.032196	-0.041911	-0.003537	-0.06607	0.048919	0.045095	0.019366	-0.018042	-0.069823
31	0.005927	-0.032414	-0.040235	0.031167	0.033379	-0.007534	-0.007811	-0.044253	0.00547	0.023533	0.011058	-0.022925	-0.008866	-0.033039
32	0.010295	-0.156829	0.043165	0.131873	0.09532	-0.141694	0.034995	0.08334	0.033312	-0.017249	-0.016469	-0.039168	-0.011192	0.04484
33	-0.000527	-0.014205	0.005737	0.032411	-0.010427	-0.022493	-0.065471	-0.018647	-0.060117	0.031348	-0.03446	0.06034	0.023048	-0.038156
34	-0.003892	0.026168	-0.068339	-0.067288	0.038046	-0.029971	0.015192	-0.021456	0.03286	-0.028067	-0.086701	0.035062	0.079341	-0.018801
35	0.045708	-0.013028	0.03706	-0.081334	-0.003623	-0.064537	0.052812	-0.054922	-0.081312	-0.120213	0.000811	0.041228	-0.008853	-0.099157
36	0.019862	0.065541	0.066875	-0.025646	0.00296	0.043968	-0.002873	-0.031757	-0.042032	-0.033588	0.031847	0.012611	0.067084	0.002746
37	0.021333	-0.03417	-0.004774	0.005865	0.008072	0.009314	0.007637	-0.023875	-0.02209	0.039323	-0.038721	-0.069641	0.044073	-0.012837
38	-0.074736	0.087323	0.074099	0.019408	0.024195	-0.086379	0.0078	-0.041398	0.009378	0.000424	0.125113	-0.007364	-0.006027	0.017661
39	0.092425	-0.030629	-0.003695	0.064409	-0.095729	0.121972	0.10042	0.010654	-0.072041	-0.0148	0.031428	0.019224	-0.038305	-0.016138
40	0.053758	0.018986	0.076048	0.018051	-0.022319	0.016756	-0.022075	-0.014812	-0.047828	-0.071064	-0.069841	-0.038965	0.059401	-0.007366
41	0.017266	0.036554	-0.009623	-0.047417	0.013663	0.040157	0.048939	-0.01962	-0.046951	0.010925	-0.026468	0.001041	-0.011038	0.051785

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
42	0.041792	0.039598	0.052771	-0.066436	-0.048027	-0.008085	0.017724	0.041173	0.007052	-0.028888	-0.005503	-0.022364	0.003735	0.010041
43	0.003187	0.01477	-0.011503	-0.003328	0.005613	-0.022892	0.0033	-0.018154	-0.055845	-0.042684	-0.061271	-0.022538	0.051469	0.038212
44	0.022645	-0.04132	0.043699	-0.045183	0.013242	0.048666	0.071317	-0.026653	-0.020636	0.023732	-0.019365	0.053781	-0.022663	-0.030809
45	-0.023671	-0.036665	-0.032881	-0.021518	-0.077966	0.050756	-0.028262	-0.026488	0.025392	0.100943	-0.030416	-0.053834	0.056038	0.046634
46	0.006569	-0.056902	-0.043779	-0.007875	-0.069155	-0.102353	0.007186	0.054884	0.008217	0.007999	0.10759	0.044048	-0.20481	0.0053
47	0.034005	0.062664	-0.01718	-0.040822	0.000035	0.077645	-0.019275	-0.085764	0.017186	0.051773	-0.047589	-0.036027	-0.076186	0.053992
48	-0.018587	-0.076539	-0.069971	0.022482	-0.021767	-0.005779	0.086195	-0.069882	-0.080045	0.062159	-0.049029	0.045634	0.001358	-0.002172
49	0.049085	0.036374	0.008218	-0.022797	-0.010866	-0.028809	-0.053547	-0.005691	-0.020272	0.069093	0.053562	-0.002924	-0.042745	-0.067466
50	-0.044694	-0.051332	0.031841	-0.02914	-0.069625	0.007276	-0.035966	0.026772	-0.03067	-0.017356	0.003556	0.071171	-0.059427	0.000192
51	0.020287	-0.040743	0.025826	-0.039422	0.024928	-0.0224	0.07675	-0.085406	0.026508	-0.064171	0.074968	-0.033764	-0.027817	-0.01536
52	0.081549	-0.005397	-0.056537	0.001327	-0.029224	-0.018609	0.056154	-0.030499	-0.021887	0.048789	-0.047825	-0.016445	0.026334	-0.068518
53	-0.056523	-0.03777	-0.047297	-0.014279	0.071415	0.029979	0.067326	0.01082	-0.018809	-0.009839	-0.011844	0.000135	0.027564	-0.014481
54	-0.032641	0.021831	0.001611	-0.016338	-0.005955	0.079283	0.00806	0.005977	0.046331	-0.019116	-0.023782	0.060338	0.025666	0.018956
55	-0.078385	0.009053	-0.009242	-0.039708	0.045933	0.011884	0.022785	-0.000321	-0.000174	0.004039	-0.011009	-0.073194	0.022702	-0.042206
56	-0.016692	0.011927	-0.007255	-0.040669	-0.02532	-0.018078	-0.027062	-0.016733	-0.05241	0.052891	0.025092	0.012202	-0.048022	0.02432
57	0.025018	-0.016834	0.017645	0.016317	0.02996	-0.031743	0.027654	-0.018404	-0.027781	-0.064208	-0.007473	-0.062284	0.009685	0.01635
58	0.064597	0.014357	-0.021174	-0.035933	-0.020544	0.041775	0.031305	0.066923	0.101621	-0.076601	0.054644	0.01046	-0.031761	0.011744
59	-0.005679	-0.040821	0.033273	-0.07371	0.0399	0.091036	-0.069894	0.01753	0.080449	0.024354	-0.022624	-0.082449	-0.12716	-0.173067
60	0.008839	0.068862	0.024413	0.021912	-0.042895	-0.028519	0.021505	0.021583	0.016545	0.04639	0.01934	-0.016493	0.001455	-0.000053
61	-0.043397	0.034336	0.043557	0.032628	0.076151	0.046588	0.054939	0.021293	0.025986	-0.069751	-0.010941	-0.009959	-0.030516	-0.091328
62	-0.069971	-0.011422	-0.092058	0.005604	-0.00296	-0.015152	-0.064953	0.09026	-0.032341	0.086155	-0.070624	0.049969	-0.019866	0.013101
63	-0.066527	0.000312	0.017864	-0.042873	0.071479	-0.03901	-0.060294	0.109833	0.022197	-0.010482	-0.009665	0.061034	0.112458	0.099195
64	0.086171	0.015835	-0.005406	-0.059083	-0.003612	0.007401	-0.047437	-0.019012	-0.043061	0.032571	0.038223	0.019298	-0.050114	-0.022637
65	0.015063	0.004919	-0.01034	-0.037573	0.0293	-0.055591	0.054288	-0.00437	0.080102	-0.036401	-0.044726	-0.032036	0.015425	0.004964
66	0.035735	-0.085728	-0.071448	0.104252	0.057131	-0.018862	0.073197	0.023027	-0.064942	-0.009352	0.051668	0.021787	0.014272	-0.037896
67	0.029609	-0.049783	-0.098823	0.014534	0.069764	-0.06674	-0.107592	0.097953	0.072492	-0.040545	0.109205	0.031798	0.036357	0.029018
68	-0.153513	0.052797	-0.064944	0.024913	-0.160348	-0.059177	0.023853	0.04513	-0.021484	-0.032697	0.010015	-0.005491	0.153189	0.076637
69	0.015195	-0.005246	0.011603	0.008359	0.008444	-0.047429	-0.027443	-0.004033	-0.011695	0.047292	0.017931	-0.050888	-0.040587	-0.013357
70	-0.003721	0.01843	-0.010646	-0.006141	-0.011835	-0.014215	0.054574	0.047628	0.000709	-0.009503	-0.022113	0.003815	0.008942	-0.013567
71	-0.027639	0.075389	0.010894	0.125165	0.043737	0.136451	0.163065	-0.080085	0.009417	-0.008057	-0.01642	-0.06027	-0.033581	0.133621
72	-0.044927	0.000843	-0.031094	0.041206	0.073901	-0.003362	0.021295	-0.002534	0.044359	0.008244	0.043047	-0.055888	-0.011637	-0.034139
73	-0.008613	-0.016419	0.021741	0.022609	-0.040823	-0.044014	-0.121471	0.081426	-0.054659	-0.048529	0.01227	0.057786	-0.02313	0.027666
74	-0.015047	-0.078072	-0.03609	0.070118	-0.139948	-0.034305	0.033042	-0.060236	-0.00287	0.013093	-0.102753	-0.024003	0.000102	0.035332
75	-0.007531	0.009686	-0.004523	-0.009005	0.008174	-0.004397	-0.003616	0.015385	-0.00857	0.001623	0.001597	0.000482	0.011124	0.012881
76	0.004812	-0.00245	-0.029964	-0.038052	0.02484	-0.000995	0.023144	-0.002435	-0.016592	-0.021476	-0.029405	0.000171	0.039143	0.006361
77	-0.013496	0.016859	-0.010543	-0.013603	0.008912	-0.01824	0.004083	0.020312	-0.000317	0.014382	-0.008535	-0.007251	0.014821	0.006293
78	-0.013244	0.029422	-0.014648	-0.006774	0.008587	-0.020192	0.005173	0.02279	0.000345	0.009518	-0.011413	-0.013848	0.020054	0.00232
79	-0.003348	0.053582	-0.023531	0.002572	0.0121	-0.030904	-0.002981	0.013687	-0.009272	-0.00885	-0.012154	0.015257	0.021806	-0.006503
80	0.029425	-0.003569	0.054041	-0.002208	-0.067415	0.094595	-0.025762	-0.008981	0.0864	-0.077644	-0.092485	-0.024246	-0.007422	0.039498
81	0.020694	-0.068247	0.048511	-0.02253	-0.140061	-0.082513	-0.103042	-0.09538	-0.010026	-0.001545	-0.047059	0.065819	0.025421	-0.034083
82	-0.015386	0.00292	-0.031153	-0.028101	-0.021162	0.021938	-0.002553	-0.004446	-0.003736	-0.011427	-0.007353	0.022174	-0.010668	-0.012454

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
83	-0.012098	0.004287	-0.017168	-0.010031	-0.026001	0.02663	-0.008722	-0.003404	-0.001871	-0.007051	-0.000043	0.007175	-0.011098	0.001301
84	-0.005156	0.00162	-0.00343	-0.002474	-0.020737	0.029637	-0.013176	0.013428	-0.010563	-0.003695	-0.019739	0.015764	-0.039717	0.015076
85	-0.080126	-0.023337	-0.012381	-0.021298	0.058147	-0.049621	-0.004229	-0.06012	-0.073561	-0.004705	0.054273	-0.017885	0.021798	-0.124249
86	-0.012493	-0.040827	0.007329	-0.016095	-0.018183	0.015153	-0.068061	0.028119	-0.016196	0.067076	0.03462	-0.038735	0.007627	-0.00284
87	0.022207	-0.028269	-0.074876	-0.007962	-0.009245	0.027827	-0.001317	-0.00515	-0.00281	0.027821	0.084516	-0.086882	0.011712	-0.058403
88	0.003409	0.009076	-0.004821	-0.002169	-0.01751	0.031062	-0.021476	-0.003862	-0.014165	0.003581	0.001776	0.01205	-0.018844	0.009427
89	-0.006813	0.025892	-0.020669	0.000852	-0.021041	0.016733	-0.001253	-0.008602	0.001984	-0.004485	-0.006987	-0.000762	-0.027721	0.001557
90	-0.011371	0.023598	-0.022844	-0.007276	-0.030106	0.02136	-0.007697	-0.004462	0.015689	-0.00943	-0.010167	-0.006314	-0.02709	0.016575
91	-0.001382	0.013593	-0.0245	-0.018931	-0.026859	0.034226	-0.002527	0.003996	-0.001284	0.00553	-0.044045	0.023816	-0.04704	0.004159
92	0.055695	-0.004345	0.005572	0.031265	-0.062472	-0.029944	-0.001344	0.017048	0.00708	0.012983	-0.086071	0.04384	0.023891	-0.018341
93	-0.00504	0.015529	-0.009847	-0.012297	-0.01857	-0.021151	0.000274	0.011913	0.035409	-0.021992	-0.018079	0.018167	-0.029769	0.00135
94	-0.018652	0.008496	-0.014482	-0.023617	0.013458	0.02532	0.029323	-0.014685	-0.040048	-0.00677	-0.022295	0.04426	-0.030674	0.019445
95	0.007959	0.075664	0.018036	0.079087	0.00226	-0.009592	0.031101	-0.070948	-0.092744	0.04257	-0.020272	0.075393	0.038812	-0.02862
96	-0.187795	-0.04201	-0.040747	0.046147	-0.024477	-0.01437	0.033588	0.032574	-0.006635	-0.015035	-0.070041	0.051245	0.045429	0.073109
97	0.061584	-0.086666	0.012223	-0.114769	0.001208	-0.044184	0.036379	-0.059123	0.008784	-0.034243	0.02786	-0.08598	0.070077	-0.025319
98	-0.011303	-0.05605	-0.055243	-0.01306	-0.026072	0.049072	-0.023216	-0.026859	0.00057	0.005185	-0.006407	0.032092	0.061196	-0.008562
99	-0.030539	-0.04619	0.056158	-0.009407	-0.024103	0.026025	0.026532	-0.063427	0.021421	-0.015084	-0.026013	0.001718	-0.053506	-0.060664
100	-0.04187	0.015823	-0.01207	-0.082816	-0.007418	0.056643	-0.068141	-0.038486	-0.105365	-0.029264	0.019744	-0.022422	0.034606	0.005036
101	0.036429	-0.019849	0.039461	-0.020069	-0.041272	0.038427	0.02673	0.004998	0.033166	0.046164	0.019325	0.025224	0.044779	0.023475
102	0.01845	-0.048245	0.010938	-0.045861	0.005022	-0.028701	-0.036171	-0.05667	-0.012082	-0.062999	-0.081788	0.053682	-0.023224	0.08088
103	0.065346	-0.058423	0.00365	-0.025115	0.034505	0.082782	-0.012151	-0.026678	0.059873	0.00191	-0.065859	-0.05243	-0.080744	-0.016294
104	0.124263	-0.019296	-0.019405	-0.026409	0.029031	-0.047418	-0.148647	-0.038179	0.010379	0.06094	0.026086	0.051413	0.079984	0.097066
105	-0.027805	-0.101006	-0.012971	0.0864	0.008614	-0.059408	0.017043	-0.010981	-0.095022	0.042577	-0.124861	0.073983	-0.099654	0.014684
106	0.002267	0.03326	-0.087868	0.037712	0.012572	0.11633	-0.147756	-0.001851	-0.017281	-0.01094	-0.091982	-0.043279	0.068405	-0.04245
107	-0.028059	0.001321	0.18312	-0.005641	0.034897	-0.00632	-0.039933	-0.001846	-0.018012	-0.057107	0.108133	-0.04537	0.083767	-0.024574
108	0.029825	-0.021436	-0.010834	-0.000916	-0.048868	0.114737	-0.056324	-0.023076	-0.054429	-0.051825	0.10659	0.016075	0.02477	0.035014
109	0.027432	-0.174598	0.109659	0.097753	-0.039674	-0.03905	0.010625	-0.027428	-0.025188	-0.064823	-0.002767	0.022889	-0.085137	-0.043349
110	0.012476	0.04863	-0.002659	-0.024807	-0.105053	0.078981	-0.053777	0.028722	0.010586	0.001855	-0.029892	-0.10019	0.165297	0.031981
111	-0.000816	0.152216	-0.114544	-0.044112	-0.111382	0.076602	-0.059518	0.09028	-0.099675	0.020549	0.006199	0.165684	-0.030561	-0.033033
112	-0.012017	-0.068664	-0.026263	-0.020144	0.208808	-0.034542	0.110888	-0.009814	0.162856	0.08967	0.093024	-0.010996	-0.004138	0.065991
113	-0.010098	-0.013623	-0.122577	0.024443	0.023194	-0.074694	-0.023309	0.064613	0.013834	0.223064	-0.20008	0.16908	-0.027812	-0.054385
114	-0.116422	0.02386	0.081107	0.102146	-0.110715	-0.004178	-0.004451	-0.238185	0.171853	-0.106414	-0.094126	-0.01676	0.075652	-0.1005
115	-0.02811	-0.073197	0.058123	-0.052356	0.029066	0.145879	0.087614	0.125825	-0.067361	0.081184	0.004672	0.05119	-0.038991	-0.020284
116	-0.073654	-0.024397	0.068984	-0.0711	-0.04509	0.045135	0.033763	-0.053728	0.065198	-0.077941	0.027746	0.130144	-0.013244	0.003998
117	-0.004392	-0.053753	0.04313	0.017577	-0.0204	0.040121	-0.00624	0.194814	0.041134	-0.10681	0.036899	-0.006291	0.016879	-0.064356
118	0.117937	-0.10796	0.040515	-0.065195	-0.039673	0.005491	0.007015	0.020132	-0.051374	0.028107	0.069692	-0.009413	0.057251	-0.017581
119	0.065474	0.012725	-0.037349	0.004277	0.078078	0.036964	0.010898	0.014817	0.001018	0.014616	-0.000663	-0.067101	-0.058347	0.08346
120	0.006303	0.029286	-0.000126	0.098831	0.017834	0.006752	-0.041929	0.04111	0.033463	-0.038376	0.002854	-0.048734	0.002311	0.018015
121	-0.135578	-0.028957	-0.005927	0.068535	-0.012634	-0.019507	-0.034508	0.058619	0.0771	0.017756	0.038787	-0.054397	0.043866	-0.097041
122	-0.03515	-0.122192	0.014334	0.041368	0.027991	0.025758	-0.023341	0.047052	-0.030729	-0.02671	-0.105938	0.046252	0.066838	0.096301
123	-0.007327	-0.049959	-0.047212	0.002999	-0.00505	0.023421	-0.009924	-0.023036	-0.004114	-0.039387	0.010993	-0.022146	0.023818	0.045426

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
124	0.035351	0.012562	-0.027084	-0.00069	0.006958	0.026788	-0.046287	-0.007679	0.007882	-0.017303	0.028773	-0.047062	-0.033444	0.060985
125	0.008018	0.078605	-0.000238	0.127959	-0.006725	0.064004	0.023085	-0.017776	0.017905	-0.006709	-0.009577	-0.011654	-0.031341	0.009171
126	0.022903	0.008007	0.003622	-0.028705	-0.001871	0.000385	-0.026823	-0.047842	0.017856	0.069478	-0.035957	-0.052726	-0.041306	-0.013379
127	0.017202	-0.013896	0.001328	0.002447	-0.010162	0.052121	-0.016159	-0.001967	-0.003885	0.005047	-0.018	-0.045327	-0.028367	0.036916
128	0.016082	-0.00858	0.030953	-0.058866	-0.047325	-0.019637	0.10294	0.021504	-0.0479	0.005795	-0.054807	-0.002076	0.049776	0.093836
129	-0.000719	-0.011655	0.075489	0.094979	0.076156	-0.102743	0.042617	-0.058312	-0.124896	-0.04541	0.000148	-0.022979	-0.076219	-0.068899
130	-0.118016	0.071035	-0.013289	-0.053008	0.005208	0.088539	0.064658	-0.126163	0.000145	-0.09038	-0.04185	0.015915	0.045825	0.099677
131	0.040015	0.0509	-0.031458	-0.123867	0.049263	-0.071714	0.008302	-0.006504	-0.121005	-0.020301	0.054763	-0.011554	0.017327	-0.00263
132	-0.021403	0.144726	0.028971	0.036982	0.027061	-0.066568	-0.102223	-0.039033	0.139079	-0.080739	0.056789	-0.005994	-0.067466	-0.195435
133	0.006639	-0.003383	0.011452	0.08274	0.061941	-0.00786	-0.077936	0.002785	-0.066597	-0.135102	0.006522	0.059889	-0.058668	0.157523
134	-0.027075	-0.047317	0.077658	0.027294	0.003962	0.02928	0.002407	-0.073822	0.094239	0.142131	0.018449	0.068989	-0.063077	-0.078968
135	0.018203	-0.046592	-0.032676	0.018198	-0.019677	0.072009	0.015765	-0.009898	-0.008655	-0.011837	-0.045609	0.030153	0.017711	0.002776
136	-0.117536	0.024563	-0.090227	0.024417	0.077412	-0.002813	0.036954	0.018779	0.00547	-0.071679	-0.041287	-0.000776	-0.027066	-0.128471
137	-0.0003	0.068095	-0.106344	-0.059296	-0.040757	0.033639	0.050625	-0.005063	-0.031458	0.017145	0.114556	0.092542	-0.037766	-0.010923
138	0.062573	0.029323	-0.064043	0.010954	0.01513	0.097939	0.053661	0.146532	0.124211	-0.010868	0.032896	0.107566	0.057969	0.007449
139	-0.03931	0.119944	-0.129827	-0.147018	0.072235	-0.013639	0.108247	0.122587	-0.027349	0.157892	-0.034896	-0.038809	-0.036776	0.049803
140	-0.049252	-0.069392	-0.028845	-0.054462	-0.060391	-0.002469	-0.176726	-0.00479	0.087709	-0.060169	-0.067731	0.037236	-0.043877	0.013315
141	-0.083718	0.093165	-0.043503	0.082356	0.135968	-0.008487	0.012111	-0.094619	-0.175914	0.112209	0.062215	-0.042783	0.031587	-0.054392
142	0.069076	0.021037	0.028281	-0.012115	-0.088218	-0.052115	-0.023601	-0.084669	-0.081694	0.062368	-0.047732	0.054884	0.127866	-0.001928
143	0.068611	-0.105684	0.054282	0.028822	-0.095713	-0.003879	0.015481	-0.001021	-0.014006	-0.070275	-0.04082	-0.040907	0.076746	0.104044
144	-0.003263	-0.007255	-0.084874	0.043579	-0.057851	-0.061235	0.093745	-0.038888	-0.055006	-0.029677	-0.006728	-0.025696	0.02091	0.038007
145	0.0599	-0.097022	-0.071946	0.005021	-0.086361	-0.057237	0.087158	-0.089871	0.106244	-0.028528	-0.078313	0.07649	-0.053004	-0.025279
146	0.025295	-0.026254	-0.033086	-0.034301	0.043471	0.040059	-0.007375	0.001631	-0.052599	0.014697	0.000105	0.076304	-0.000637	0.009594
147	-0.028144	-0.009986	0.011253	-0.012705	0.032202	-0.061484	0.023152	-0.174348	0.070362	0.082806	-0.047899	-0.014061	0.060622	-0.027585
148	-0.030744	0.046773	0.022152	0.043468	0.028073	0.038253	-0.07775	0.093287	-0.124588	-0.044388	-0.05556	-0.089152	-0.002446	0.005797
149	-0.10937	-0.008406	0.13417	-0.005697	-0.012928	0.059541	0.119696	0.095401	-0.028745	0.137459	0.012673	0.037274	0.084126	-0.108588
150	0.166378	0.026875	0.108925	0.085135	-0.062953	-0.108398	0.074928	0.027647	-0.072774	-0.022012	0.04234	0.045754	0.028153	0.101841
151	0.005413	0.023839	0.081125	-0.021748	-0.02938	-0.033374	0.036792	0.084335	0.035567	0.020804	0.038113	-0.046408	0.052827	0.020379
152	-0.087382	-0.014041	-0.030769	-0.057086	-0.110593	-0.002355	-0.025786	0.019153	0.027164	0.05438	0.005405	0.028218	-0.039708	-0.048334
153	-0.022787	0.035952	0.046822	-0.051978	-0.123345	-0.068276	0.030908	-0.005169	0.075033	0.064465	-0.025326	0.025154	0.053372	-0.080288
154	-0.063117	0.036355	-0.063074	-0.05495	-0.085632	-0.048356	-0.052506	-0.016578	-0.051957	-0.058974	-0.037348	-0.004332	0.020153	-0.04104
155	0.039824	0.0402	-0.041291	0.060591	-0.125177	0.102487	-0.024223	0.004308	-0.06443	-0.026237	0.025602	-0.036554	0.084799	0.016877
156	0.019333	0.036634	0.077057	-0.069872	0.166933	-0.135684	-0.109027	0.068093	-0.039939	-0.16099	-0.087333	-0.030346	-0.097299	0.177196
157	0.07169	-0.021594	0.019229	-0.038378	0.050278	0.009737	0.014995	-0.055138	0.035648	-0.036451	-0.046768	0.103307	0.052614	0.059856
158	-0.072238	0.001681	-0.048742	-0.061528	-0.063773	-0.01329	0.048938	-0.108754	-0.143328	0.031131	0.067294	-0.162576	-0.053785	-0.043185
159	0.151019	0.016239	0.104433	-0.1044	-0.009945	0.16035	-0.009718	-0.098351	-0.008955	-0.082977	-0.086753	-0.036731	0.027827	-0.211013
160	-0.038664	0.010276	0.061566	0.017355	-0.114441	0.009913	-0.147027	0.045269	-0.011013	0.048807	-0.004631	-0.001898	-0.006721	0.053711
161	0.130917	0.104257	-0.162979	-0.096119	-0.029004	-0.056183	0.074515	-0.05015	0.11652	0.05505	-0.057053	-0.209002	0.028712	-0.040395
162	-0.102189	0.030419	0.096933	-0.079938	0.014429	-0.094053	0.049667	-0.065824	0.021701	0.09815	0.180699	0.104473	-0.133925	0.144629
163	-0.093106	0.003796	-0.022038	0.048301	0.036501	-0.049041	-0.132718	0.048094	0.006513	-0.002443	0.018701	-0.022084	-0.004221	-0.018645
164	0.046927	0.05867	0.094102	0.061575	0.025838	0.115376	-0.037054	0.026733	0.088486	-0.014801	-0.003337	0.107734	0.029268	-0.127991

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
165	-0.000278	-0.144142	0.021288	-0.023222	-0.067487	0.094365	-0.083601	0.078601	-0.025364	-0.022316	0.059718	-0.002141	-0.009717	0.090244
166	0.006354	-0.015112	0.032783	0.063335	0.025977	-0.103615	-0.003835	0.108397	-0.078556	0.073984	0.06629	0.056185	0.055264	-0.032136
167	0.009011	-0.082709	-0.100709	0.06742	-0.013583	-0.012932	-0.033453	0.10341	0.082017	0.012854	0.029323	-0.022135	-0.089629	-0.130084
168	0.02684	0.046221	0.02176	-0.083821	0.060204	-0.1447	-0.005004	-0.025597	0.002239	-0.037566	-0.012714	-0.025739	-0.009813	-0.057091
169	-0.013098	0.001971	-0.079979	0.106557	0.044646	-0.025864	-0.062425	-0.008796	0.027955	-0.030628	0.026097	0.048553	0.075022	-0.03742
170	-0.037157	0.039506	-0.044135	0.085021	-0.022615	-0.007475	-0.050094	-0.030576	0.020925	-0.021762	0.027967	0.04241	0.048811	-0.013065
171	-0.02001	-0.024613	0.015411	0.064989	0.033256	-0.022703	-0.022527	0.011167	0.034771	0.018382	0.020876	0.001501	0.048106	-0.068366
172	-0.028399	0.006298	-0.066632	-0.011682	0.027068	0.02631	-0.034795	-0.053866	0.017539	-0.00723	0.009866	-0.005869	0.017868	-0.042276
173	-0.014057	-0.0152	0.011235	-0.020122	-0.021444	0.034898	0.01241	0.017916	0.002403	0.068252	0.048637	0.02313	-0.015373	-0.002495
174	0.012924	-0.03457	0.048249	0.025303	0.004249	-0.006268	0.017326	0.023669	0.000494	0.07375	-0.012752	-0.036258	0.138769	-0.053682
175	0.102498	-0.024206	0.066451	-0.049382	-0.081	0.009246	0.160794	0.146188	0.014957	-0.09116	0.059074	-0.034762	0.020396	0.040102
176	-0.014039	0.031073	-0.028581	-0.031643	0.083665	0.043852	-0.051105	-0.02261	0.121711	-0.048041	0.085641	-0.012513	0.044198	-0.009659
177	-0.046353	-0.104203	0.074621	-0.132515	0.038973	-0.045771	-0.092284	-0.011332	-0.085752	-0.002153	-0.09467	-0.031893	-0.140226	-0.040829
178	0.004827	0.031165	-0.059949	-0.020403	-0.052985	-0.068005	-0.019346	0.023362	0.007584	0.018716	-0.002748	-0.050118	0.083644	0.019793
179	0.062965	-0.034019	0.02405	-0.017413	0.005879	-0.042861	-0.011156	0.029472	0.001592	0.00837	0.000457	-0.007549	0.007216	-0.026541
180	0.01303	0.015196	-0.005913	0.029023	-0.021383	-0.023298	-0.000259	-0.002066	0.003266	0.036802	-0.000292	0.029218	-0.013294	0.010325
181	0.026428	-0.012008	0.026076	-0.001088	-0.026012	-0.027565	0.003615	0.026937	0.023562	0.011564	-0.003022	0.024252	-0.007653	-0.001665
182	0.050247	0.035227	0.023669	-0.032549	-0.024013	-0.017044	0.020374	-0.018179	-0.075047	-0.019431	0.044673	0.012478	0.010518	0.022427
183	0.050905	-0.030865	0.10021	-0.016349	0.011623	-0.032363	0.031973	0.000282	-0.031517	0.019381	-0.02004	-0.029352	-0.000239	-0.096548
184	-0.035449	0.000709	0.068939	-0.034064	-0.025654	-0.00646	-0.067184	0.035272	0.13249	0.132003	0.002617	-0.058002	0.001427	-0.065948
185	-0.130069	0.140274	0.049352	0.04256	-0.076553	-0.065947	0.040542	0.131843	-0.03344	-0.045197	-0.100759	0.008211	-0.089692	0.045408
186	-0.059686	-0.059369	-0.030375	0.085837	0.012588	0.08664	0.084114	-0.083184	-0.069023	-0.058444	-0.048463	0.038675	-0.03704	-0.058206
187	0.023916	-0.022802	-0.07182	0.021936	0.060136	0.019312	-0.009424	-0.049297	0.019313	0.067246	0.040099	-0.005646	-0.036276	0.044159
188	-0.015761	-0.018056	-0.01359	0.032631	0.060877	0.01378	-0.052913	-0.023125	0.012778	0.030006	-0.031306	-0.026775	0.044543	0.024311
189	0.008937	0.053606	-0.022508	-0.059402	0.033986	0.107906	-0.004887	0.038745	0.046632	-0.019024	-0.057756	-0.024544	0.089096	-0.01292
190	0.032657	0.013305	0.000691	0.047761	0.036514	0.026835	0.078004	-0.008801	0.044206	0.041805	0.030779	0.002719	0.009914	-0.045983
191	0.026708	0.009293	0.01191	0.045697	0.069683	0.02509	0.048537	-0.016717	0.020493	0.005312	-0.072178	-0.031691	-0.048406	-0.04451
192	0.00083	-0.060924	0.003305	-0.063969	0.050386	0.029261	0.04347	-0.026753	-0.091172	0.056885	0.027133	0.02264	0.1594	0.054657
193	-0.015456	0.020515	-0.044677	0.053543	-0.02107	-0.005346	-0.020321	-0.028001	-0.068224	-0.048811	0.091494	0.078477	-0.028899	0.032997
194	0.045688	-0.053413	0.042116	-0.027921	-0.004204	-0.061688	-0.021305	0.013903	0.078238	0.012182	0.029883	-0.017499	-0.080348	-0.088925
195	0.035557	-0.045133	0.015113	-0.05835	0.008353	0.068307	0.070659	-0.086083	-0.023726	-0.074178	0.095601	0.086515	-0.073605	-0.03627
196	0.002402	-0.046607	0.012813	-0.001452	-0.003606	0.03627	0.06731	-0.01562	0.00883	-0.065838	0.084241	0.031592	-0.073202	-0.041004
197	-0.044907	0.003855	0.001558	0.021352	0.010788	0.105899	0.074522	-0.046671	-0.038285	-0.027915	0.054255	0.059079	0.019085	0.021409
198	0.050472	0.040171	-0.118498	-0.160996	-0.094211	-0.072962	-0.060433	-0.000807	0.09342	-0.011099	-0.088615	0.008046	-0.022528	0.093938
199	0.047347	0.07933	0.106946	0.048528	0.064388	0.127827	-0.079874	0.02473	0.028234	0.030427	0.060118	0.099239	0.046002	-0.019044
200	-0.046002	0.028962	-0.043475	-0.058537	0.13832	-0.126039	0.023274	0.083913	0.078517	0.006628	-0.008935	-0.024095	0.012565	-0.08021
201	0.00488	0.078535	0.04097	0.004426	0.005989	-0.013632	0.002727	0.052544	0.017381	-0.040262	0.042086	0.168355	-0.012565	0.047562
202	-0.087887	-0.037286	-0.064029	-0.008351	-0.040905	-0.054223	-0.024225	0.055033	0.003295	0.052022	-0.043174	0.123255	0.030054	0.068212
203	0.084652	0.061725	0.006245	0.027243	-0.111505	-0.000943	-0.073454	-0.041425	0.019647	0.059692	0.020433	0.003465	0.077764	-0.008332
204	-0.000814	-0.110543	-0.010529	-0.042941	-0.162417	-0.084785	-0.141642	0.030354	-0.071141	-0.016442	0.067713	-0.049063	-0.051024	-0.005782
205	0.114561	-0.007199	-0.125195	0.074295	-0.000821	-0.005619	0.052512	0.083927	0.04042	0.05563	-0.007148	0.049548	0.074678	-0.071242

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
206	-0.055953	-0.049927	-0.050577	-0.071465	0.032324	0.000609	-0.091732	-0.077659	-0.053222	0.003407	0.031506	-0.083931	0.020145	0.023789
207	0.041221	0.051157	0.036645	-0.005216	0.091137	0.016607	0.022194	-0.073639	0.104975	-0.123979	-0.049005	0.04636	0.015373	0.02161
208	-0.007145	0.003931	0.092639	-0.156865	-0.128931	0.116493	0.095183	0.12589	0.085419	0.119054	0.033542	0.00924	-0.199243	-0.033317
209	-0.06066	-0.095532	-0.068818	0.013108	-0.079886	0.066939	-0.022543	-0.021572	-0.038751	-0.109414	0.01363	-0.062387	-0.023899	-0.015988
210	-0.080071	-0.04591	-0.041102	0.047998	0.029718	-0.094567	0.126908	0.040579	-0.054061	-0.00473	0.205577	-0.000688	-0.011486	0.078288
211	-0.106935	-0.042253	0.205577	-0.051247	-0.016559	-0.062247	0.083347	0.032	0.019646	0.092999	-0.169387	-0.026826	-0.03451	0.04817
212	-0.050132	-0.043167	-0.01214	-0.072095	-0.045652	0.011676	0.097976	-0.08122	-0.045645	0.040206	0.139056	0.031789	-0.063903	0.091884
213	0.028213	0.106213	0.082599	-0.05924	-0.022439	-0.00578	0.004351	0.026839	-0.057705	0.019401	-0.083851	-0.010991	-0.05045	0.012406
214	-0.014419	-0.024462	0.02261	-0.022203	0.033681	0.00212	-0.033008	0.044683	0.002317	0.001557	-0.014326	0.01553	0.043402	-0.032265
215	0.063904	-0.00927	0.008924	0.097712	-0.028259	-0.050904	0.002416	0.111258	0.001755	-0.034386	0.010522	-0.047826	-0.15693	0.023202
216	0.068178	0.063794	-0.070068	0.01003	-0.034417	-0.007742	0.072648	-0.032893	0.006288	-0.04541	0.004149	-0.045521	-0.072467	0.01573
217	0.122876	-0.007672	-0.0001	0.130364	0.037219	-0.075588	-0.009869	0.024336	-0.090941	-0.035306	-0.068126	-0.114154	0.004719	-0.030776
218	-0.025517	0.013004	-0.016008	-0.015365	-0.05704	0.051323	0.001379	-0.000115	0.013253	-0.064773	0.007827	0.076792	-0.047393	-0.024501
219	-0.02266	0.027503	-0.027328	-0.03623	-0.014387	-0.010999	0.01691	0.021697	0.002702	-0.065972	-0.028033	0.005811	0.02596	-0.064174
220	0.054841	0.045553	-0.016566	0.02382	0.026049	0.011003	-0.062879	0.057388	-0.054973	-0.009175	-0.020528	-0.03702	0.002396	-0.00523
221	-0.05575	0.036841	0.080182	-0.024775	-0.015488	-0.038252	0.003964	-0.02282	0.045973	-0.005225	-0.075503	0.059837	-0.076096	0.012895
222	-0.042775	-0.069676	0.065892	-0.067003	0.038785	0.095235	0.001374	0.00007	-0.022162	-0.011564	-0.071018	-0.029881	-0.031583	0.020564
223	0.016092	-0.036669	0.06636	-0.006446	-0.00629	0.002	-0.016941	0.009385	0.004669	-0.059386	-0.040379	0.00081	-0.077099	-0.047342
224	0.016426	0.030518	-0.003934	0.011316	-0.05567	0.093584	0.055939	-0.010928	0.042679	0.040272	0.076178	-0.042931	-0.020785	-0.008041
225	-0.004658	-0.032302	0.012334	0.015675	-0.082935	0.095882	0.050258	-0.011026	0.037295	0.051341	0.052735	-0.050329	-0.017717	0.020872
226	-0.044644	0.031257	-0.050486	0.02465	-0.008783	-0.016622	-0.001925	0.062262	-0.010175	0.00132	-0.045894	0.028481	-0.011662	0.044963
227	0.063902	0.032071	0.02124	0.052569	-0.065941	0.021703	-0.010846	0.059811	-0.025698	0.042376	0.112344	0.026651	0.025076	-0.085519
228	-0.08845	0.062338	0.094738	0.045437	-0.046214	-0.066042	0.00818	0.0205	-0.014955	0.046351	0.044097	0.139225	0.142613	-0.018355
229	-0.020938	-0.065	0.055039	0.0322	-0.081498	-0.01869	-0.038983	-0.012199	0.049064	0.004358	0.122063	-0.10976	-0.093027	0.044054
230	0.03338	-0.020512	-0.016886	0.011489	0.013379	0.01163	0.030991	-0.048146	-0.008758	0.001271	-0.013638	-0.010809	-0.020171	0.044578
231	-0.03239	-0.06536	0.052668	-0.00189	0.051997	0.019383	-0.023056	-0.08301	0.036291	0.108413	0.030947	0.072708	0.00692	-0.070791
232	-0.050281	-0.038813	0.09226	0.038284	0.057157	0.026006	-0.004306	-0.015996	-0.099661	-0.091085	0.078917	0.047327	0.147163	-0.065891
233	0.007453	0.028929	-0.076178	-0.033724	0.03962	-0.017069	-0.047497	-0.065518	-0.036237	0.040901	0.012152	0.029665	-0.048718	-0.031282
234	0.028267	0.061548	0.024741	0.027992	-0.036565	-0.0792	-0.030198	-0.025027	-0.006273	0.035138	0.047771	0.002412	0.017229	0.078861
235	0.000718	0.009872	0.09071	-0.0849	0.0135	-0.01768	-0.074921	-0.006218	0.045002	0.05869	0.005591	-0.010933	0.039815	-0.01123
236	-0.048746	-0.009769	0.046445	0.049419	-0.074775	0.012555	-0.021679	-0.061508	0.002352	-0.005917	-0.0171	-0.082181	-0.003782	0.025286
237	-0.00218	-0.080909	-0.03249	-0.040222	0.009784	-0.004604	0.001006	0.03833	0.014179	-0.062773	0.026343	0.048583	-0.018775	-0.018539
238	0.011944	-0.062834	0.00762	-0.056049	0.039323	-0.012018	0.017563	0.0243	0.032354	-0.017334	0.009792	0.030801	-0.000837	0.014471
239	0.011192	-0.048942	-0.024799	-0.060506	0.02643	-0.028038	0.00361	0.019247	-0.015326	0.001927	-0.001229	0.018692	0.042605	0.006299
240	0.028206	-0.003872	-0.078556	0.046021	-0.040615	-0.07029	-0.009299	-0.002887	0.039065	0.071916	0.003846	0.032285	-0.015297	-0.047328
241	0.049695	-0.073439	-0.049204	-0.017969	0.012891	-0.028107	-0.009633	0.008719	0.026326	-0.018823	0.018054	0.051023	0.00549	-0.046182
242	-0.010437	0.015085	-0.023081	-0.040126	0.040354	0.059393	0.012014	-0.00832	-0.002974	0.013425	-0.050488	-0.090227	-0.038706	0.05924
243	0.085159	-0.03127	-0.056522	-0.056045	0.011071	-0.06356	0.039633	0.001462	-0.083398	-0.056925	-0.027752	-0.056236	-0.017879	-0.008147
244	-0.0066	0.004681	0.01479	0.017886	0.000619	0.002186	-0.014656	-0.054332	-0.005973	0.000283	-0.010613	-0.021453	0.031646	0.022243
245	-0.020874	-0.015384	0.065128	0.031531	-0.01887	-0.008298	-0.050431	0.031906	0.015868	0.04221	0.025736	0.017042	0.091845	-0.026414
246	-0.036239	0.072651	-0.012263	-0.011787	0.025668	0.017789	-0.018609	0.058949	0.017281	0.035715	0.041788	-0.015661	0.008943	0.021134

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
247	-0.016763	-0.055968	-0.009848	-0.002793	0.022602	-0.010828	0.006159	-0.027025	0.014361	0.054933	-0.035418	-0.034	0.016558	-0.010711
248	-0.014416	-0.031321	0.063745	-0.02895	-0.046824	0.007322	-0.062016	0.027569	0.004836	-0.016004	-0.023099	-0.01213	0.00847	-0.006699
249	-0.049059	0.00518	0.018922	0.023569	0.027431	0.085483	-0.001861	-0.066674	0.054759	-0.011864	-0.067385	0.058035	0.030933	0.044501
250	0.068501	0.022869	-0.036367	0.06121	-0.082293	-0.031861	0.054069	-0.000991	0.006376	-0.063113	0.08339	-0.033722	-0.046524	-0.04273
251	-0.003126	-0.09987	-0.058001	-0.029522	-0.060955	-0.022328	0.035608	0.093721	0.047059	0.008925	0.021611	-0.020689	0.029329	0.008839
252	-0.001539	-0.062434	-0.015915	-0.069532	0.098526	0.010301	0.035176	-0.045531	-0.029117	-0.020568	-0.027545	-0.06912	0.021256	0.01695
253	0.088926	-0.019287	-0.104137	0.11581	0.01107	0.00939	0.030939	0.045067	0.027275	-0.019124	0.007587	0.053249	0.007392	0.03104
254	0.008268	0.055569	0.070426	0.077627	-0.029403	0.057139	-0.007539	-0.033403	0.106091	-0.047305	-0.014136	0.025317	0.003549	-0.019799
255	-0.003258	0.082011	-0.009446	-0.019018	-0.004176	-0.007638	0.01121	-0.031473	0.06896	0.010292	0.021881	-0.006167	0.017359	0.009588
256	-0.000933	0.037026	0.030076	0.006074	-0.008714	0.017047	-0.054028	-0.081723	-0.011889	0.080432	0.055892	0.07062	-0.030787	0.032683
257	0.016026	0.031286	0.004538	-0.052105	-0.015418	0.050974	0.070231	-0.015867	-0.033843	-0.040677	0.024375	-0.053024	-0.001464	0.032193
258	-0.0438	-0.050778	0.025033	-0.012985	-0.03084	-0.003922	0.038009	-0.04916	0.029687	0.022778	0.000317	-0.03698	0.033996	-0.032684
259	-0.028156	-0.046872	-0.068631	0.011522	-0.038879	0.06744	0.045482	-0.001718	0.016255	0.0047	-0.056041	-0.059153	0.022967	0.025919
260	0.005893	0.035042	-0.043391	0.04769	0.004332	0.009124	0.007786	-0.020357	-0.002761	0.061516	0.000015	-0.083067	-0.013801	0.035049
261	-0.031136	-0.018513	-0.018308	0.082165	0.015681	0.019726	0.09219	-0.032603	0.032838	0.01408	-0.003241	0.017201	0.002648	0.003348
262	-0.017944	0.000872	0.019212	0.029535	-0.012952	0.008652	0.001228	-0.034395	-0.002295	0.041935	-0.090749	-0.041572	0.005817	0.039687
263	0.013264	-0.015754	0.024298	-0.021957	-0.000312	0.003067	-0.013995	-0.048168	-0.011445	0.00784	-0.075753	-0.022811	-0.00411	0.050621
264	-0.064935	-0.052004	-0.061967	-0.016826	0.065508	0.005415	-0.025724	-0.026934	0.005899	0.043781	-0.010622	0.034104	-0.04563	-0.012781
265	-0.000889	0.039958	-0.023924	0.049793	0.02849	-0.051375	-0.026238	-0.050763	-0.050801	-0.036175	0.045101	0.035838	-0.016224	-0.00773
266	0.059786	0.06722	0.040716	0.023918	-0.043362	0.004508	-0.005602	-0.068693	0.00926	-0.032389	0.029065	0.107788	-0.004065	0.005924
267	0.002541	0.017152	-0.04149	0.087238	0.008616	0.083261	-0.024603	0.017848	0.052068	0.128977	0.031575	-0.060908	-0.158675	0.021526
268	0.022412	0.012112	-0.029456	0.014841	0.008712	0.028961	0.013869	-0.011013	0.000738	0.003611	-0.02105	0.020991	0.008806	0.010299
269	0.047809	-0.01105	0.003976	0.01944	0.010401	0.023432	-0.021915	0.062891	-0.027097	-0.005155	-0.054238	0.022156	-0.006829	0.01272
270	0.034508	0.051521	-0.023515	0.035391	-0.050235	0.029545	-0.030474	0.081828	-0.028944	-0.031462	0.012108	0.014593	0.028554	-0.006845
271	-0.080252	-0.00544	0.020486	-0.126029	0.12529	0.065156	0.022045	0.14194	-0.030512	-0.051314	-0.032159	0.219365	0.030286	-0.133349
272	-0.067759	-0.083788	0.002696	-0.003607	-0.047539	-0.034264	-0.019989	0.000346	0.055118	-0.004549	0.008822	-0.008251	-0.046554	0.010596
273	-0.01048	-0.05115	0.007739	0.026338	0.032125	0.002934	0.023748	-0.005013	-0.029351	-0.020049	-0.011339	-0.031172	0.059746	-0.011902
274	0.00554	-0.043094	0.012487	0.032968	0.042483	0.005213	0.01519	0.011517	-0.031424	-0.020758	-0.002446	-0.025595	0.048435	-0.00779
275	0.049472	0.029959	-0.030729	0.025875	0.002289	-0.015965	-0.040233	0.044795	0.010277	-0.044965	0.023174	-0.011292	-0.003209	-0.001642
276	-0.060977	-0.056093	0.045234	0.070757	-0.090038	-0.008688	0.013028	-0.061823	0.059193	-0.000584	-0.023923	-0.108893	-0.00725	0.032924
277	-0.008114	-0.025551	0.033375	-0.021054	-0.027291	-0.052611	-0.018752	-0.054151	-0.050596	0.02993	0.027029	-0.020094	-0.022143	-0.00391
278	0.051428	0.021927	0.040802	0.000094	-0.049686	-0.014447	-0.009283	0.038429	-0.086179	0.065495	0.059867	-0.001623	0.009572	-0.054097
279	0.019473	0.013377	-0.029309	-0.066127	0.010249	-0.05443	0.003178	0.0366	-0.016694	0.009808	0.018184	0.041681	0.003685	-0.01171
280	0.067342	-0.077893	-0.116144	0.012421	0.061003	0.004421	0.052197	-0.088262	-0.053466	-0.065309	0.037379	0.054864	-0.041593	-0.03693
281	-0.107821	0.076547	0.034214	-0.003468	-0.006316	-0.035514	-0.007939	-0.067302	0.057918	0.047444	-0.001185	-0.009178	-0.011074	0.022938
282	-0.009747	0.076225	0.003823	0.007024	0.027242	-0.016752	0.055868	-0.022303	-0.009107	0.042857	0.023462	-0.04464	0.044374	-0.017682
283	-0.043464	0.000548	-0.034588	0.013114	-0.047546	-0.075753	-0.046677	-0.014352	0.004354	0.051142	-0.069594	0.03654	-0.009121	-0.034616
284	-0.025811	0.02897	0.006151	-0.02097	-0.013159	0.005357	0.028742	-0.021222	-0.03026	-0.001954	-0.003679	0.01134	-0.034891	0.014827
285	0.00233	0.06009	-0.009105	0.008576	-0.001563	0.017282	0.066361	0.005396	-0.037962	-0.030095	0.01329	-0.046252	0.010912	0.022299
286	-0.011051	-0.080327	0.004441	-0.065465	-0.009056	-0.0609	0.063128	-0.053917	0.029207	-0.007026	-0.019447	0.034306	-0.031291	-0.012458
287	0.012087	-0.044579	-0.019787	-0.043015	-0.013667	-0.030044	0.073465	-0.021716	0.02209	-0.01477	-0.009979	0.001631	0.000206	0.009042

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
288	-0.048635	0.044284	-0.047375	-0.056529	-0.09242	-0.025117	-0.043868	0.044713	0.089025	0.065411	0.024437	0.075038	0.044603	-0.068589
289	0.036285	0.088611	-0.015558	-0.027545	-0.032906	0.051718	-0.037992	-0.02421	-0.011165	0.033887	0.01585	-0.004562	0.023928	0.050364
290	-0.010644	0.040833	-0.021856	0.064149	0.009675	0.024673	-0.000727	0.026045	-0.001138	-0.042087	0.041013	-0.000651	0.02644	-0.061197
291	-0.02138	0.018914	-0.016934	0.052559	0.002707	0.019679	0.006779	0.025313	-0.001814	-0.043109	0.053118	0.002612	0.01135	-0.055788
292	-0.012102	0.009547	-0.034904	0.041443	0.042951	-0.016408	-0.021819	0.055078	0.052659	-0.076721	-0.000236	-0.006187	-0.006653	-0.028448
293	-0.037849	0.001765	-0.108752	-0.037044	-0.139776	-0.105087	0.073236	-0.078716	-0.001953	-0.043025	0.0253	0.065643	-0.086275	-0.083035
294	-0.071188	-0.001313	-0.107787	0.03065	0.080216	0.026843	-0.083515	-0.044484	0.024649	-0.035487	0.006975	0.044059	0.006504	-0.058644
295	0.007688	-0.001184	-0.068757	0.023636	0.038209	0.043595	-0.002389	-0.004915	-0.010878	0.008916	-0.028531	0.021904	0.009954	-0.054193
296	0.045306	-0.052943	-0.03042	0.082924	0.088763	0.027001	-0.076395	0.001508	-0.06022	0.005496	0.028285	0.016614	0.037408	0.004964
297	0.011656	-0.053661	-0.057094	-0.016647	-0.003044	0.027621	-0.022256	-0.017079	-0.005578	0.043118	-0.041231	0.033465	0.013417	-0.018168
298	-0.040662	0.093935	0.059296	0.043	0.011409	0.000692	-0.045739	0.009454	-0.108452	-0.00276	-0.033238	-0.069035	0.004493	-0.037081
299	-0.006223	-0.086387	-0.04068	0.016308	-0.051548	0.01948	0.007148	-0.004746	-0.026387	-0.028377	-0.01336	0.037586	0.074205	-0.022945
300	-0.134037	0.129526	-0.02714	0.133293	-0.020583	0.003735	-0.003435	0.009067	0.002494	-0.038663	-0.074758	-0.106312	0.03441	-0.074008
301	-0.006038	0.060303	-0.038015	-0.021819	-0.051287	0.002452	0.025722	0.029315	-0.02371	-0.032821	0.009482	-0.025467	0.051004	-0.021628
302	-0.02681	0.057551	-0.052343	-0.067984	-0.040503	0.02447	0.030766	0.080368	-0.016514	-0.01442	0.064199	-0.08834	0.032504	-0.019544
303	0.031181	-0.03874	-0.025522	0.08713	-0.051436	-0.02422	0.045792	0.058379	-0.00306	-0.027414	-0.06868	-0.055269	0.026442	-0.027425
304	0.007859	-0.089908	-0.011821	0.073462	-0.049342	-0.010809	0.065649	0.092305	0.066834	-0.040901	-0.038217	-0.022317	0.058849	-0.002832
305	-0.028814	0.177585	-0.02863	-0.009329	-0.12955	-0.126537	0.03814	-0.067627	-0.017892	-0.207543	-0.049291	0.122161	-0.05906	-0.00093
306	-0.020219	-0.068751	0.023827	0.058662	-0.028282	0.054804	-0.011425	-0.082068	-0.01531	-0.004972	0.040223	0.034748	-0.012669	-0.04342
307	0.017212	0.150934	0.079501	0.078895	-0.003007	0.002926	-0.086489	0.005494	0.096358	-0.032119	0.074418	0.078628	-0.010913	0.091742
308	-0.027862	-0.082729	0.015419	-0.029553	0.037848	0.00397	0.012923	-0.014532	-0.025698	0.009397	0.015355	0.054437	0.035767	0.039784
309	-0.011745	0.008019	0.060439	-0.057041	0.021245	0.010734	0.008554	0.029523	-0.001702	0.03178	-0.028869	-0.017615	-0.025568	0.005855
310	0.035848	0.027036	0.094426	0.022795	0.067794	0.042002	-0.084616	-0.063001	-0.101281	0.024727	0.06895	0.005072	-0.087384	0.010017
311	0.086109	0.05547	-0.056846	-0.009386	-0.025367	-0.019522	0.007687	-0.024379	0.020206	-0.025786	-0.015581	-0.030847	-0.014609	0.026435
312	0.123128	-0.053627	-0.043715	-0.087674	0.093439	-0.028996	-0.041124	0.025688	-0.032255	0.000772	-0.20915	-0.012615	0.103551	0.045041
313	0.02772	-0.025631	0.024664	0.008985	0.003901	-0.022831	-0.024321	-0.018509	-0.00363	-0.017169	-0.001244	-0.027131	-0.013075	0.084705
314	0.014494	-0.074871	-0.035984	0.054551	0.035012	-0.057976	-0.048997	-0.094828	0.036843	-0.03074	-0.00366	0.150276	0.03751	-0.053094
315	0.031659	-0.003065	0.076026	0.020584	0.013118	-0.05278	-0.033782	0.051158	-0.022567	0.003787	0.01583	0.025067	0.030046	0.046218
316	0.029307	-0.116009	-0.028067	0.133322	-0.114315	0.025379	-0.078778	0.061046	0.025079	0.005071	-0.041408	0.030106	-0.104361	0.036013
317	0.015875	0.09025	0.05869	-0.000644	0.026873	-0.040907	0.022293	-0.020333	-0.021932	0.015088	0.002455	0.006102	-0.021623	-0.047166
318	-0.062782	-0.022322	0.074375	-0.017846	0.080944	-0.050071	0.035837	0.006194	0.070991	-0.031911	-0.106772	-0.046176	0.014915	-0.036787
319	0.010245	0.010793	0.075306	0.015072	0.02136	-0.064524	0.011268	0.024672	-0.004756	0.025522	-0.003822	-0.008908	-0.013734	0.036448
320	0.010799	-0.054882	-0.058643	-0.071203	0.082523	-0.111774	-0.042407	-0.037678	-0.042638	-0.056662	0.065921	-0.028481	0.019437	-0.054558
321	0.002576	-0.078366	0.049435	0.030903	0.019276	0.026639	0.027292	0.020476	0.027286	0.092244	0.018284	-0.018284	-0.006838	-0.022955
322	-0.050251	0.059497	0.000255	-0.088259	0.064539	-0.092421	0.101227	0.064274	0.055498	-0.062531	0.049492	-0.046104	0.009242	-0.050323
323	0.103177	-0.015702	0.04273	0.067955	0.079916	0.077336	-0.044086	0.058092	0.076797	-0.021164	0.067684	-0.016351	0.036314	0.091809
324	-0.166275	0.046158	0.010477	-0.088467	0.025558	0.028931	0.091898	0.052667	-0.118798	-0.042831	-0.032461	-0.022446	-0.091661	-0.04759
325	-0.067093	0.071897	0.025136	0.072568	0.030885	0.016307	0.023336	0.036688	0.026593	-0.010894	-0.034689	-0.005382	0.025456	-0.02269
326	0.032936	-0.02409	-0.057294	-0.031371	-0.053794	0.021839	-0.037655	-0.14621	0.036777	0.069907	0.033648	0.010043	0.041168	-0.068469
327	0.008752	-0.019073	0.080123	-0.051259	0.023091	0.01667	0.012934	0.025977	0.00866	0.021085	-0.012075	-0.014532	0.019797	-0.027701
328	-0.044966	-0.072459	0.017983	-0.014732	0.024175	0.001027	0.041158	-0.067739	-0.043741	0.033936	0.00936	0.081775	0.040326	0.166556

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
329	-0.020507	-0.069188	0.064715	-0.109041	-0.075274	0.006054	-0.015827	0.062174	0.036033	0.002604	0.00461	-0.081084	0.073307	0.033866
330	-0.059587	-0.068828	-0.072621	-0.040123	0.023986	-0.011163	-0.045694	0.037226	-0.02877	-0.035505	0.108991	-0.099007	0.03022	-0.094553
331	0.071329	0.024441	0.006984	0.009359	-0.010179	0.002881	-0.021806	0.036907	0.018016	-0.014342	0.010342	0.016233	0.014312	-0.009666
332	0.09551	0.045513	-0.07431	-0.011957	-0.013788	0.065054	0.066036	0.000004	-0.074904	0.07067	-0.028939	0.097541	-0.041386	0.039698
333	-0.015548	0.126379	0.04978	0.017609	-0.022526	0.079741	0.02534	0.060226	0.026157	0.027785	0.015244	-0.042959	-0.015967	0.029521
334	-0.255719	-0.002833	-0.127272	-0.044988	-0.027102	0.063688	-0.104833	-0.017006	0.016314	-0.092258	0.032525	-0.051699	0.014614	0.116402
335	0.063263	0.018704	0.005173	0.021952	-0.004026	0.003322	0.006214	0.004234	0.060693	0.010836	0.03323	0.037168	-0.008632	-0.000376
336	-0.055269	-0.056011	-0.012673	0.075819	-0.028841	-0.111022	-0.082303	-0.037209	0.050978	0.107641	-0.034793	-0.021925	-0.077088	0.043556
337	-0.038135	-0.000683	0.020321	0.089606	0.01816	-0.112198	-0.031713	-0.01865	-0.034546	0.064173	0.017365	-0.047682	-0.004054	0.054732
338	0.076241	0.079746	0.03647	-0.065012	0.071491	-0.07603	0.028774	-0.087821	0.033264	0.02816	0.013348	0.064007	0.135503	0.040435
339	0.016619	-0.085787	-0.064269	0.140285	0.07832	-0.002828	0.090522	-0.038724	0.117683	-0.025115	0.088505	-0.080696	0.002236	0.061885
340	0.092038	0.01205	0.090237	-0.108494	-0.052312	-0.084074	0.001538	-0.050454	0.127896	-0.052928	0.024473	0.009591	-0.003687	0.123708

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
1	-0.058705	0.002912	-0.010599	0.024311	-0.061477	-0.038691	0.013496	-0.033351	-0.016599	0.032375	-0.056014	0.008826	-0.02636	0.035219
2	0.008078	-0.029672	-0.024798	0.025512	0.03558	-0.001054	0.041845	0.021657	0.029592	-0.041596	-0.016534	-0.011978	-0.05979	0.049222
3	-0.030661	0.008178	0.034968	-0.000242	-0.022347	-0.020377	0.054138	-0.014918	0.010128	0.060331	0.012926	0.033722	0.06146	0.002855
4	-0.041805	-0.027859	-0.016789	0.038174	-0.092709	0.042122	-0.080697	0.022488	0.042487	0.055478	-0.004112	-0.010448	-0.048942	-0.047675
5	0.015967	-0.00097	-0.005319	-0.063768	-0.02613	0.035454	0.107275	0.010086	-0.130606	-0.000524	0.02204	0.003841	-0.051472	-0.040015
6	0.137162	0.034696	-0.027957	-0.003513	-0.120444	0.02671	-0.028384	0.086533	-0.035064	-0.031324	-0.006743	-0.075411	0.051966	0.069429
7	-0.083011	0.068919	0.090509	0.132134	0.035424	0.012213	0.006688	-0.053155	-0.084418	-0.036856	0.11992	0.040783	-0.055662	0.095552
8	-0.049769	0.153903	-0.012194	-0.098547	-0.063739	-0.082964	0.155759	-0.029035	-0.034867	0.090695	0.041452	-0.023252	0.093351	-0.080721
9	0.001125	-0.050145	-0.033439	0.015955	0.014884	0.027442	-0.035325	-0.04544	0.066366	0.027011	-0.097699	-0.143653	0.075593	0.134553
10	-0.011551	-0.072543	-0.021889	0.011458	0.115445	-0.020615	-0.036127	-0.061262	0.051971	0.109813	0.046694	0.015427	0.027802	-0.062142
11	0.104051	-0.008825	-0.080827	-0.088472	-0.062967	-0.01893	-0.076542	0.014661	0.03333	0.000176	0.003576	-0.003164	0.076104	-0.018322
12	0.012685	-0.106061	-0.013033	-0.042001	-0.048943	0.09129	-0.036506	0.000192	0.095835	0.072905	0.072388	0.066405	0.087828	0.03391
13	-0.004126	-0.010036	-0.025597	0.024535	-0.081844	0.008495	0.076911	0.017378	-0.01804	-0.032694	-0.096657	0.078423	-0.075732	-0.024608
14	-0.052411	-0.006792	-0.03999	-0.001245	-0.074881	0.016981	0.00051	0.013575	-0.019719	0.036891	-0.050746	0.055926	-0.03806	0.077836
15	0.032465	0.064674	-0.011255	0.090825	-0.038459	-0.059938	0.062943	0.032312	-0.001704	-0.013305	-0.025225	0.023711	-0.027547	0.013852
16	-0.050191	-0.051509	0.127572	0.051381	-0.013267	-0.112526	0.032893	0.098717	-0.009089	-0.098763	-0.071886	0.000796	0.010159	-0.110006
17	0.065182	0.078491	-0.004894	-0.019488	0.051723	-0.020941	-0.028907	0.07572	0.051136	-0.052906	-0.024134	0.046755	0.022337	0.22337
18	0.014469	-0.016927	-0.144284	0.100658	0.052672	0.181942	-0.019665	-0.015338	-0.113615	0.09347	0.044386	-0.006877	-0.006437	-0.033119
19	-0.010132	-0.01036	-0.008165	0.037853	-0.053164	-0.142213	-0.021254	0.097128	0.007682	0.097904	0.039109	0.015849	0.003935	-0.074852
20	0.014298	0.008079	0.000243	0.006267	-0.028583	0.030137	-0.015599	-0.027547	-0.026101	0.001149	-0.011269	0.007492	-0.034538	-0.012162
21	0.031365	-0.011781	0.023858	-0.04532	0.126875	0.007252	-0.130564	0.025325	0.041633	-0.053159	0.022828	-0.056407	-0.020465	-0.125747
22	0.107813	-0.075779	0.120907	-0.061945	-0.048448	0.044471	0.054057	0.116173	0.045657	0.084736	-0.065697	-0.047497	-0.034766	0.002554
23	0.005824	-0.069097	0.093659	-0.021503	-0.114765	-0.007969	0.072042	-0.081934	-0.087035	-0.124697	0.0649	-0.119394	0.013748	0.115165
24	-0.023076	0.013401	0.045419	-0.057742	-0.10722	0.037164	-0.080309	-0.103165	-0.032724	-0.003534	-0.056082	0.070543	-0.098865	-0.059056
25	0.021832	-0.004854	-0.045319	0.02521	-0.013894	0.02293	-0.118226	0.095048	-0.079845	-0.067452	-0.061461	0.060169	0.002477	0.08757
26	0.009056	-0.008637	-0.016333	0.01504	-0.010793	0.026995	-0.005663	-0.01767	-0.037129	0.006595	-0.019146	-0.004491	-0.030548	-0.007602
27	-0.0041	0.00346	-0.005634	0.004945	-0.001314	-0.005611	-0.005483	-0.021776	-0.008631	-0.00472	0.002007	-0.004763	0.02025	-0.01152
28	-0.009027	0.010855	-0.015812	0.083782	0.005391	-0.03246	-0.0514	-0.001303	0.089905	0.011365	0.032202	0.023094	-0.049939	0.061785
29	0.100333	0.088317	-0.110504	0.003831	0.076162	0.184505	0.057937	-0.085358	0.045499	-0.012687	-0.091024	-0.085405	-0.049314	-0.035746
30	0.037919	-0.054413	-0.014621	-0.00828	-0.018871	-0.030217	-0.038196	0.043639	-0.005712	-0.014157	-0.05498	-0.02163	-0.020377	0.001025
31	0.015398	0.013563	0.010756	0.022537	0.021949	0.002368	0.0325	0.014203	-0.020668	0.035884	-0.027318	0.012689	-0.015077	-0.021958
32	-0.075796	-0.182489	-0.088161	-0.055227	-0.042812	-0.057513	-0.058325	0.080994	0.038505	0.165579	0.016282	0.169351	0.010663	0.062082
33	0.056239	0.025199	-0.029912	0.084672	-0.004794	0.052	-0.034477	0.03723	-0.000953	0.007214	0.056911	-0.010366	-0.039739	0.008469
34	0.089674	0.046245	-0.004876	0.02547	-0.026563	0.022154	0.062646	-0.016129	0.068353	-0.063522	-0.013394	-0.000067	0.007532	-0.045861
35	0.048172	0.02972	0.018962	-0.128977	0.142173	0.022696	0.07733	0.08634	-0.048402	0.017301	0.163574	0.064833	-0.005824	0.070185
36	-0.012758	-0.045731	0.01298	-0.131146	0.00367	0.057802	-0.025779	0.013961	-0.086572	-0.031502	-0.003916	-0.062089	-0.082608	0.031919
37	0.025561	-0.027681	0.007443	-0.062715	0.009578	0.014367	-0.051982	-0.039693	-0.095119	-0.002928	-0.023605	0.003159	-0.139073	-0.015645
38	0.039343	-0.057261	-0.079999	-0.068136	-0.007416	0.001607	0.141746	-0.0989	0.016158	-0.109203	0.049288	-0.133255	0.02714	0.027716
39	-0.144612	0.073642	-0.048414	0.005463	-0.011021	-0.050977	-0.062265	0.040011	0.029519	-0.098183	-0.043177	0.015142	0.040703	-0.21129
40	0.006695	0.081079	-0.069571	0.00578	0.043874	-0.018587	-0.015156	-0.008352	-0.04651	0.020346	0.062956	-0.014579	-0.063801	0.014665
41	-0.043362	0.036491	0.000917	-0.044767	0.060406	0.016155	-0.015064	0.015003	0.073778	0.013915	0.029797	-0.012144	0.051538	-0.024715

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
42	-0.072416	-0.014282	-0.026566	0.027038	-0.032882	-0.020365	0.022021	-0.026378	-0.029962	0.020053	0.015008	0.032106	-0.027398	-0.093429
43	-0.006367	0.033806	0.012763	-0.044056	-0.013406	0.013533	0.037216	0.006494	0.017846	-0.013933	0.012802	-0.032552	0.00079	0.000156
44	0.018738	0.030792	0.070918	0.009922	0.002266	0.057288	0.045277	-0.041882	0.020018	0.107412	-0.094027	-0.029325	-0.024009	0.026963
45	-0.011557	-0.014603	0.05257	-0.052725	-0.031045	0.029324	0.035918	-0.015713	0.035661	-0.043112	-0.009031	-0.063068	0.009965	0.044844
46	0.013505	-0.063814	-0.076417	0.012676	-0.059515	-0.110183	0.039851	-0.107966	0.169492	-0.001919	0.067358	0.008858	-0.000374	0.067772
47	0.032684	-0.06102	0.028202	0.021882	0.025034	0.05299	-0.017474	0.007248	0.076309	-0.033354	-0.086056	-0.033032	-0.092294	0.036528
48	-0.00977	0.036373	0.037458	-0.079639	0.049474	0.037917	-0.019548	0.038519	0.012341	-0.00414	0.122414	-0.007892	0.004441	-0.043024
49	0.037319	-0.04495	-0.003001	0.052399	-0.012776	-0.027633	0.003387	0.034577	0.013503	0.032013	-0.005385	0.006788	0.013895	-0.008496
50	0.043553	0.019586	0.052647	-0.0666	0.027215	-0.041647	-0.003082	-0.094868	0.01944	0.066625	-0.037092	0.07995	0.047677	-0.003441
51	-0.010549	-0.07213	-0.037913	-0.047537	-0.02846	0.025052	0.018406	0.10882	-0.002538	-0.009535	0.057375	0.065049	-0.010214	0.045817
52	-0.001076	-0.076544	-0.016022	0.032323	-0.037486	0.043768	-0.061087	0.072367	-0.028463	-0.01135	0.013735	0.048245	0.043608	0.051758
53	0.037568	0.033261	0.028854	-0.03593	-0.006785	-0.018659	-0.036704	-0.024692	0.006438	0.02183	-0.016008	-0.03908	0.00179	0.025067
54	0.028744	0.00222	-0.036083	-0.019596	-0.034178	0.028496	-0.009488	-0.019324	0.009582	0.031929	0.020969	-0.015293	0.008942	0.086805
55	-0.025396	0.033073	-0.060028	0.069553	0.035869	0.038738	0.126771	-0.033034	0.01632	-0.034849	0.013085	0.038396	0.029496	-0.047933
56	0.031118	-0.012403	0.009826	-0.071764	0.002927	-0.068157	0.013329	0.092012	-0.035454	0.043513	0.021786	0.036626	-0.007703	-0.034433
57	0.012739	0.014144	-0.043512	0.012962	-0.053715	-0.056381	0.047378	0.048844	-0.041047	-0.080934	-0.028659	-0.052545	0.036457	-0.037496
58	-0.054355	-0.046478	0.037493	-0.088369	0.020903	0.012117	-0.029982	0.023789	-0.035438	0.0515	0.053825	-0.015742	-0.013635	-0.000625
59	-0.06739	-0.076399	0.12146	-0.041432	0.02576	-0.017084	-0.108365	-0.070257	0.118918	0.048943	-0.024779	-0.044148	-0.050242	0.169724
60	-0.001489	0.00912	-0.014396	0.009945	-0.027378	0.075858	0.018708	-0.038097	-0.005812	0.028595	0.011281	-0.037424	-0.012395	-0.012486
61	0.049317	-0.008761	-0.020066	-0.027729	0.077794	0.011443	0.04412	-0.043067	-0.066204	-0.054717	0.008849	-0.01274	-0.024521	-0.045624
62	-0.023729	0.035772	0.01453	0.020501	0.03011	-0.071591	0.030231	-0.001906	0.006182	0.028081	0.000269	-0.028279	0.029949	0.049203
63	0.056661	-0.082995	0.043152	0.06782	0.024036	0.013361	0.011288	0.004516	-0.029841	-0.120052	0.004197	0.057333	0.078285	0.027345
64	0.020414	-0.049634	0.056854	-0.006106	-0.008033	-0.04219	-0.050214	0.125677	-0.011306	-0.067392	-0.039485	0.039406	-0.006013	-0.017231
65	0.024861	0.052808	-0.063417	0.029757	0.023238	0.032121	0.030088	0.095627	0.008758	-0.033305	0.038813	-0.102069	0.067844	-0.053856
66	0.091045	-0.004701	0.03106	0.045663	-0.028181	0.022562	0.033312	-0.044146	-0.113322	0.102351	0.070002	0.040336	-0.00961	-0.006007
67	-0.046162	-0.044818	-0.092278	0.02321	0.032217	0.004376	-0.023584	-0.039525	-0.152497	-0.01578	0.043913	-0.014084	0.025657	0.0068
68	-0.017642	-0.04734	-0.018804	-0.078952	-0.065013	0.092561	0.004683	-0.028025	0.00605	-0.068613	-0.010779	0.055384	0.045793	-0.067646
69	0.035438	0.018312	0.019966	0.020753	0.012918	-0.036032	-0.017868	0.008697	0.090968	-0.013268	0.007029	0.002076	0.050137	0.052946
70	-0.023353	-0.017648	-0.0077	0.01776	0.031434	-0.04531	0.02785	0.012799	0.048713	-0.029219	0.031339	-0.022012	0.02859	-0.04079
71	0.177655	-0.046286	0.152015	-0.046843	0.065985	0.086587	0.104141	-0.029025	-0.00827	0.034646	-0.135749	-0.005949	0.076817	-0.043981
72	0.03234	-0.033631	0.008177	-0.063173	0.024037	-0.021238	-0.04604	-0.037651	0.001728	0.002095	-0.036282	-0.010772	0.010748	-0.040123
73	0.034049	-0.051953	-0.012471	-0.08428	-0.041579	0.016742	0.0617	0.032552	-0.033558	-0.084667	0.076561	-0.069172	0.005768	0.031103
74	0.027569	0.01039	-0.13741	-0.004122	0.147277	-0.003191	0.182793	-0.008781	0.221922	0.05536	-0.090756	0.059329	0.017114	-0.006037
75	0.0024	-0.009342	-0.007749	-0.018909	-0.012693	-0.014458	0.002401	0.009186	0.02824	-0.001635	0.002281	-0.018316	0.002233	-0.034431
76	0.005179	-0.051765	0.03422	-0.008313	0.004074	0.022446	0.007032	0.00573	0.024077	-0.006649	0.039066	0.014944	0.032151	0.046262
77	-0.00062	-0.010003	-0.003741	-0.032757	0.004498	-0.011087	-0.010345	0.009639	0.027374	-0.001869	0.011668	-0.029163	0.014093	-0.032124
78	0.00754	-0.012841	-0.002034	-0.04244	-0.003291	-0.008233	-0.011992	-0.00263	0.02616	0.001417	0.013358	-0.047517	0.001143	-0.045828
79	-0.015821	-0.023907	-0.027085	-0.04736	-0.005108	-0.028058	0.008877	-0.003904	0.024882	0.054605	-0.024839	-0.029532	-0.001752	-0.02713
80	0.009651	0.180277	-0.052306	0.101011	-0.057474	0.117465	0.077061	0.057708	-0.019378	0.052731	0.212517	-0.00213	0.091678	-0.004579
81	-0.110508	0.107957	0.07962	0.072278	0.074705	-0.068215	-0.032697	-0.078145	-0.103035	-0.038407	0.05406	-0.003397	-0.106945	-0.001109
82	-0.03976	-0.009971	-0.0197	0.007938	0.004394	-0.005463	-0.024647	-0.005826	0.001239	0.000234	0.017705	0.007762	0.025998	0.031571

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
83	-0.021145	-0.010575	-0.009721	0.019441	-0.008739	-0.005769	-0.015849	-0.0135	0.012232	0.000662	0.016577	0.004523	0.031004	0.000845
84	-0.023423	0.003599	-0.001147	-0.014993	0.018605	0.002075	-0.0111	-0.021785	0.026583	-0.020668	0.016423	-0.021613	0.048039	-0.000679
85	-0.073091	0.019812	-0.065061	0.033444	0.016486	-0.036749	0.153918	0.032876	0.046733	0.013855	0.015098	-0.003533	0.029819	-0.010617
86	0.045525	0.054005	-0.019195	-0.096134	-0.018104	0.003712	-0.064261	0.032073	-0.021801	0.004612	0.025653	0.00755	0.002395	0.028135
87	0.047313	0.123834	0.005526	-0.025184	-0.062809	-0.036746	-0.083313	-0.026164	-0.086238	0.104602	-0.028749	0.01014	0.039569	0.019319
88	-0.041637	0.008348	-0.014388	-0.004271	-0.002755	-0.011723	-0.019064	-0.024062	0.009397	-0.009922	0.035084	0.003421	0.043638	-0.005017
89	-0.026095	-0.01965	-0.005765	0.023786	0.009152	-0.011071	-0.007048	-0.001567	0.00332	-0.000738	0.014113	0.003909	0.017206	-0.004095
90	-0.021128	-0.016637	0.010888	0.003843	0.002338	-0.014753	-0.012371	-0.006549	0.007191	0.023557	0.019303	0.011072	0.016016	0.002608
91	-0.055036	-0.02161	-0.012639	0.034732	0.027029	-0.033354	0.027649	0.02148	0.009912	-0.024369	0.023294	-0.015128	0.049102	-0.012074
92	-0.038898	0.023111	0.008217	-0.029809	-0.047263	-0.04026	-0.060479	-0.058437	0.04433	-0.090416	0.039521	-0.077695	0.086856	-0.015813
93	-0.033947	-0.05053	-0.007813	0.006382	0.004249	0.004274	-0.000798	0.010494	-0.006537	-0.030363	0.010346	0.02403	0.000875	0.002236
94	-0.01931	-0.074616	0.027658	0.097415	0.064913	-0.022271	0.023456	-0.021852	0.027159	0.036605	-0.025983	-0.016347	-0.024886	-0.036598
95	0.061466	0.036383	-0.008491	-0.017402	0.058249	0.022038	-0.11309	0.03776	-0.009912	0.142783	0.060795	0.037685	-0.020821	0.061325
96	-0.06257	-0.00995	0.023885	0.01717	0.077948	-0.000181	0.088865	-0.088004	-0.130766	-0.061972	-0.087375	0.025338	0.067927	0.097334
97	-0.062178	-0.053293	-0.055508	0.121878	-0.044651	-0.018274	0.116683	0.054715	0.00618	-0.032458	0.047629	-0.000048	-0.178952	0.053513
98	-0.0629	0.03709	-0.019204	-0.012772	-0.02147	-0.00188	-0.017861	0.004134	0.048358	-0.013913	0.003266	0.031189	-0.014601	0.068859
99	-0.013129	-0.057361	0.013291	0.050862	0.039367	0.033493	0.024152	0.028646	-0.051226	-0.036662	0.032732	0.04521	0.038676	0.043996
100	-0.075239	-0.040663	-0.096881	-0.058536	0.030257	-0.017808	-0.036965	0.012482	0.035881	0.034382	0.044425	-0.005841	-0.00457	0.079164
101	0.016958	-0.029658	-0.037001	-0.007181	0.056399	0.045917	-0.028615	-0.039154	0.049107	0.028923	0.006176	0.012969	-0.038075	0.009463
102	0.032319	0.022399	0.041597	0.027455	0.09161	-0.042272	0.01381	-0.005423	-0.020761	0.03857	-0.024607	0.015208	0.05486	0.008684
103	0.024588	-0.056658	-0.12208	0.059388	-0.134035	0.031826	0.082796	0.051181	0.047964	-0.056529	0.022698	0.009802	-0.014352	-0.047361
104	0.072601	-0.022011	-0.043463	-0.023196	0.011645	0.125664	0.024851	-0.045642	-0.020801	-0.098628	-0.008399	0.020164	-0.027191	0.046574
105	0.087837	0.037805	0.146391	-0.022522	-0.018071	-0.050903	-0.095325	-0.101329	-0.023074	-0.012015	-0.099991	0.007565	-0.046069	0.022615
106	-0.004008	-0.038117	-0.071235	-0.053494	-0.033147	-0.029654	0.020053	0.051807	0.042493	-0.094461	0.00216	0.078021	0.05136	-0.032756
107	0.050323	-0.108494	0.173141	-0.01025	-0.015362	0.005284	0.05792	-0.179766	0.033735	-0.003754	0.125676	-0.083803	0.013788	-0.046926
108	-0.038438	-0.030479	-0.062918	-0.029183	0.134585	-0.038967	-0.0325	0.006704	0.057597	-0.074033	-0.032792	-0.057765	0.000185	0.032687
109	0.014494	-0.0373	0.069916	-0.017401	0.056847	-0.037482	0.074412	-0.047281	0.016924	-0.015968	0.048739	-0.077739	-0.010081	0.021098
110	-0.016349	0.101997	0.026703	0.017772	-0.006748	-0.014762	-0.003512	-0.035325	-0.002856	0.161487	-0.073472	-0.034036	-0.004917	0.070015
111	-0.066965	-0.052493	0.004655	0.038409	-0.047619	-0.002983	0.064922	0.071297	-0.164099	0.034253	-0.130354	-0.025838	-0.022614	0.035335
112	-0.134851	0.06822	-0.052876	-0.122854	0.056678	-0.041258	0.005011	-0.034715	0.089417	-0.072053	0.063081	-0.005127	-0.044579	-0.084156
113	-0.045605	0.061399	-0.054807	-0.040499	0.088222	0.197956	0.014645	0.047526	0.019027	0.023145	0.051642	-0.00611	-0.087616	-0.000733
114	0.102368	-0.091358	-0.089449	-0.031881	0.074577	-0.018306	-0.004903	0.044117	-0.07454	-0.078753	-0.000805	0.049824	0.098813	-0.072186
115	0.072875	0.026463	-0.015697	-0.06431	0.066355	0.003429	-0.023328	0.168405	0.010446	0.05924	0.063668	0.030131	-0.087544	-0.002384
116	0.026633	-0.044353	-0.044492	0.054748	-0.071956	-0.023734	0.056965	0.011819	-0.092507	0.010318	-0.036321	-0.003977	0.104502	0.066834
117	0.078261	-0.064869	-0.022177	-0.065572	0.034644	-0.046687	0.005173	-0.015194	-0.019346	-0.020157	-0.016709	0.010224	0.000621	0.030734
118	0.083043	-0.024022	0.004076	0.158913	0.087251	0.010545	0.09085	-0.097843	0.034928	-0.022988	-0.119485	-0.070236	0.056312	0.074693
119	0.091929	-0.026373	-0.041476	0.010175	0.00073	-0.004719	-0.012187	-0.118131	-0.03555	-0.077741	0.023547	-0.002641	-0.010464	0.005604
120	-0.012871	-0.049156	-0.049402	0.022775	0.048181	-0.00217	0.069701	-0.022535	0.027917	0.039414	-0.048451	-0.010771	-0.087408	0.159785
121	0.017145	0.034244	-0.007267	-0.01332	-0.08306	0.024987	-0.037219	0.036828	0.005342	-0.043724	-0.012337	0.102585	-0.102674	-0.027355
122	0.002488	0.12076	0.006397	0.12844	0.006666	0.083846	0.024462	-0.054252	0.090839	0.037783	0.062292	0.050407	0.020207	0.05939
123	0.025534	0.007822	0.046119	0.014614	0.00342	0.054901	0.0674	-0.011874	0.018941	-0.005092	0.044676	0.166673	-0.044264	-0.077169

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
124	0.067782	0.023686	-0.021085	-0.053333	0.008463	-0.007642	-0.064553	-0.076164	0.022129	-0.050574	0.084113	-0.067357	-0.064222	-0.066123
125	-0.055708	0.126671	0.139637	-0.086478	0.104676	-0.034767	0.073378	0.035696	-0.071209	-0.00816	-0.02639	0.023735	0.004802	0.021164
126	0.007043	-0.013056	-0.0162	0.040907	0.01659	0.018325	0.049353	0.034364	-0.00805	-0.040825	0.038224	0.002269	-0.023221	-0.046006
127	-0.033027	-0.050831	-0.000849	0.07013	0.001365	0.036768	0.010876	0.006534	-0.01112	-0.032245	0.025748	-0.010932	-0.024985	-0.072393
128	0.079611	-0.058757	-0.035027	0.030175	-0.032721	-0.07597	-0.044222	-0.007368	-0.027805	-0.026423	0.08248	0.012126	0.092191	0.014417
129	0.000708	0.159488	0.039156	0.05572	-0.013123	0.031591	-0.123767	0.113789	-0.058971	0.006939	-0.061149	-0.059825	-0.056499	-0.029346
130	-0.098125	-0.127353	0.130752	0.080893	0.053326	0.080284	-0.037685	-0.023514	-0.018563	0.014108	-0.031493	-0.055407	-0.105641	-0.036759
131	0.109775	-0.088186	0.012559	-0.033161	0.015638	-0.006542	0.061199	0.018041	0.023065	0.026248	-0.038258	0.011351	0.071737	0.002813
132	-0.040921	-0.088421	0.06322	0.087503	-0.031378	-0.009942	-0.04315	0.009553	-0.01267	0.051699	0.036395	-0.128654	-0.062165	-0.112362
133	-0.019183	-0.017992	-0.004727	-0.013114	-0.098012	-0.12888	-0.008695	0.054336	-0.075875	-0.004223	-0.099454	-0.091249	0.093102	-0.060971
134	-0.040246	0.006938	-0.087051	-0.042539	0.084603	0.001063	-0.005431	-0.104481	-0.008173	0.05727	0.012917	-0.231652	-0.001601	-0.041811
135	0.051992	-0.071936	-0.008885	-0.08354	-0.045107	-0.025213	0.031003	-0.012314	0.027098	0.022222	0.039382	0.051249	0.020146	0.075692
136	-0.119447	-0.115153	-0.120754	0.014001	0.105263	0.129933	-0.035643	0.0509	-0.017353	-0.105074	-0.098434	0.058174	-0.048966	0.12254
137	0.083096	0.09624	0.01684	0.112933	0.03407	-0.014818	-0.055224	-0.128189	0.05478	-0.108547	0.079695	-0.006265	0.022477	-0.070637
138	-0.005049	-0.024177	-0.013574	-0.01656	-0.100912	-0.121375	-0.006968	-0.019968	0.026706	-0.094091	0.052511	-0.000183	-0.020678	-0.031364
139	-0.013816	-0.073387	0.034992	0.084176	0.097888	0.034045	0.038947	-0.018653	-0.020698	0.029239	0.094787	-0.032782	-0.004345	0.027669
140	-0.039474	0.030751	0.069799	-0.098622	-0.062041	-0.064885	-0.011134	0.1503	0.036202	-0.026262	-0.065624	-0.01724	0.025245	0.052215
141	-0.007129	0.104207	0.022172	-0.004055	0.049328	0.02154	0.046651	-0.044229	0.030138	0.041899	-0.05062	0.076787	0.026794	0.043827
142	0.060327	-0.045845	-0.018281	0.041827	-0.000327	-0.108403	0.079614	0.003514	-0.069256	0.057213	0.015272	0.041016	-0.120932	-0.067871
143	0.047948	0.051514	-0.015132	-0.134611	0.089321	-0.005478	-0.087005	0.095543	-0.0142	-0.148565	0.044812	-0.05605	0.029574	0.095362
144	-0.045691	-0.140393	-0.026171	-0.027317	-0.006194	-0.030787	0.008223	0.069842	0.007702	0.082607	-0.006088	0.013509	0.055646	-0.110458
145	-0.000668	0.00573	0.05959	0.034107	-0.009832	0.075485	0.072398	-0.040145	0.008176	0.001907	-0.05229	-0.003347	0.05026	-0.073383
146	-0.081471	0.02577	0.041883	-0.057479	0.001891	-0.052981	0.037941	-0.055899	-0.037506	0.039237	0.08504	0.011308	0.092011	0.048906
147	-0.052526	0.106952	-0.062125	-0.070166	-0.084158	0.027669	-0.032721	0.10561	0.120054	-0.022097	0.07225	0.15552	0.028028	0.021954
148	0.033296	-0.0404	0.028524	-0.025078	-0.014871	-0.075411	-0.009798	-0.026657	0.098442	0.063559	0.058804	-0.014196	-0.012369	-0.070879
149	-0.040027	0.080419	-0.143146	0.028243	0.022873	-0.081405	0.04333	0.081415	-0.0116	0.114775	-0.071363	-0.000888	-0.005007	-0.04946
150	-0.025746	0.06589	0.002329	0.033838	-0.056925	-0.038076	-0.001354	0.038252	0.054023	0.042298	-0.0847	-0.054583	0.028674	-0.106779
151	-0.05575	-0.104769	0.014086	0.032243	0.015918	0.064927	-0.045397	0.007708	-0.036734	0.078162	-0.045754	0.045476	0.079837	0.0665
152	0.024688	0.0693	-0.023334	0.023692	-0.072643	0.049527	-0.085454	0.083317	0.022133	-0.042196	-0.054697	-0.043559	0.04291	-0.057272
153	-0.061789	0.030769	0.036728	-0.029347	-0.052959	-0.000034	-0.08276	-0.076398	0.051552	0.043275	0.061654	0.13831	0.031261	0.073674
154	-0.032443	-0.046705	-0.046929	-0.001524	-0.066673	-0.019247	0.006955	-0.013186	-0.047232	0.009634	-0.053152	0.005552	-0.076333	-0.062022
155	0.021119	0.024147	0.015877	0.130903	0.125298	-0.054513	-0.06873	0.02322	-0.03177	-0.029025	0.049111	-0.042964	0.066197	0.067346
156	-0.064842	0.064139	-0.079149	0.019687	-0.066302	0.025288	-0.14535	-0.059946	-0.098897	0.08105	0.023699	0.148778	-0.058686	-0.018121
157	-0.043397	-0.053154	0.048748	0.013173	-0.097549	0.014138	0.150886	0.004778	-0.014377	0.046197	0.054647	0.001896	0.040286	0.03066
158	0.047691	0.021249	-0.134449	-0.021897	-0.049445	0.008386	-0.066766	0.007398	0.10324	-0.079158	-0.072716	0.045219	0.041491	-0.037249
159	-0.054457	-0.073539	0.017327	-0.043078	-0.107068	0.07245	0.00078	-0.029735	-0.077849	0.114294	-0.01407	0.039209	0.036775	-0.074134
160	-0.052438	-0.017749	-0.078169	-0.008349	-0.017083	0.019479	0.029841	0.046677	0.014962	-0.092032	-0.085908	0.032554	0.002793	-0.115855
161	0.21898	-0.069347	0.040581	-0.020241	0.085881	0.039173	-0.039434	-0.028396	-0.042318	0.020047	-0.006076	0.051229	-0.039825	-0.000308
162	-0.042904	-0.028195	0.088149	-0.091626	0.11776	0.045104	-0.008271	0.064429	-0.139945	0.047153	-0.076373	-0.019208	0.043224	0.059984
163	0.141915	0.049572	0.004353	0.023212	-0.009347	-0.007126	0.094328	0.078441	-0.002724	0.013061	-0.004252	-0.048989	-0.148748	0.030673
164	-0.032536	-0.001685	-0.069558	-0.076599	-0.019389	-0.043478	0.013966	-0.038717	0.057961	-0.015534	0.092336	-0.067667	-0.090953	0.145739

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
165	-0.071126	-0.100592	0.091127	-0.005676	0.024018	0.08861	-0.007391	0.017024	0.005022	0.088865	-0.045775	-0.047416	0.11954	-0.014414
166	0.051908	-0.058809	0.034521	-0.005228	-0.075617	0.138602	-0.053651	-0.013388	0.082239	0.099493	0.041496	-0.035717	0.104095	0.083659
167	-0.089591	0.118002	0.146059	-0.008258	-0.024134	-0.024182	0.118581	0.122686	0.008889	0.015106	-0.055032	-0.008604	0.097775	0.06152
168	-0.098835	0.049839	0.04948	-0.064494	0.064008	0.0187	0.032165	0.015058	0.046043	0.075431	0.030492	-0.037177	0.054192	0.015452
169	-0.043358	0.010855	0.028398	0.008667	0.024614	0.030017	0.010818	0.05379	-0.005657	0.056823	0.002756	-0.00156	0.051396	-0.002762
170	-0.037794	-0.031126	-0.014266	0.033774	-0.005022	0.017358	-0.026484	0.008338	0.012366	0.032238	0.031841	-0.014125	0.027582	0.006275
171	0.03102	-0.012868	0.036673	0.044512	0.015259	0.017685	0.041917	0.023865	-0.015512	-0.015699	-0.021178	0.034304	0.04683	0.009172
172	-0.012935	-0.018252	-0.058292	0.050552	0.051768	0.012787	-0.087253	0.037287	0.001509	-0.037947	-0.000987	0.028943	0.036074	0.01805
173	-0.054462	-0.047544	-0.016055	0.036439	-0.000274	0.009941	-0.005187	0.062872	-0.051689	-0.080565	-0.007916	0.05886	-0.035166	0.016052
174	0.003099	-0.021536	-0.0374	0.014597	-0.025089	-0.001808	0.013613	0.035863	-0.047117	0.008003	-0.108436	0.058025	-0.049609	-0.034635
175	0.011871	0.030127	-0.087523	-0.016321	0.080343	0.04044	-0.018001	-0.037059	0.011735	-0.024607	0.012519	-0.119174	0.075886	0.031995
176	0.06597	0.089831	0.032673	0.03047	-0.006797	0.042617	-0.027964	-0.072044	0.066009	0.053353	-0.065744	0.091724	0.048854	-0.051005
177	0.070484	-0.034374	0.070485	-0.082605	0.121402	-0.094426	0.021492	-0.043574	0.053999	0.006647	0.003755	-0.010977	-0.088813	-0.108199
178	0.05635	0.076168	0.027661	-0.04073	-0.010258	0.008159	-0.038752	-0.04817	-0.02004	0.020052	-0.044674	-0.012616	-0.017268	0.017805
179	0.004692	0.026176	0.0549	0.004534	0.014155	-0.003452	0.017693	0.021969	-0.039897	-0.052441	-0.009215	0.019444	-0.011525	0.02628
180	-0.01603	0.035323	0.031909	-0.000567	-0.021613	0.001817	0.009748	-0.004696	0.028809	-0.058571	-0.039888	0.064107	-0.018294	0.050922
181	-0.007349	0.009583	0.020795	0.019792	0.011245	-0.003879	-0.011088	-0.009075	0.059696	-0.026075	-0.075785	0.04668	-0.029241	0.020855
182	-0.019565	-0.030003	-0.057922	0.012627	0.009589	-0.087741	-0.033677	0.023316	0.123007	0.016959	-0.023268	-0.017358	0.014553	-0.007025
183	-0.025858	-0.009785	0.071738	0.001777	0.017602	-0.04281	0.011951	0.015084	-0.062389	-0.028402	0.077391	-0.027275	0.074965	-0.027515
184	0.092596	-0.080083	0.055532	0.06013	-0.096219	0.057283	0.000372	0.087052	-0.044989	-0.004168	0.122744	-0.062027	0.127732	-0.149908
185	-0.000115	-0.054438	-0.014848	0.135144	-0.011523	0.049378	-0.00858	0.051066	0.070732	-0.005778	-0.014961	0.050962	-0.02895	-0.035684
186	0.002075	0.019993	0.062301	0.064476	-0.099371	-0.034392	-0.070895	-0.024448	-0.040061	0.081676	0.007419	0.031574	-0.041792	0.028746
187	-0.08124	-0.042017	0.07629	-0.045869	-0.036561	-0.013415	0.025145	0.044156	-0.01316	-0.047613	0.006616	0.013808	-0.013067	0.125662
188	-0.050813	-0.072097	0.054028	-0.041681	-0.019869	-0.043682	0.036378	-0.015944	-0.03606	-0.009295	-0.080101	0.031386	0.024174	0.001277
189	-0.043553	-0.050997	0.059197	-0.031653	-0.029326	-0.08235	0.108027	-0.110819	0.049967	-0.016887	-0.018674	0.025308	0.046406	-0.022894
190	0.07175	-0.032045	-0.032739	-0.059165	0.023956	0.038891	-0.021767	0.033388	-0.133729	-0.087776	-0.011462	0.011745	0.018912	0.018182
191	0.036254	0.000258	-0.02822	-0.0602	-0.042061	-0.000992	-0.013697	-0.042716	-0.154497	-0.042146	-0.072643	-0.103567	-0.021495	0.07632
192	0.014312	-0.04695	-0.023675	0.01994	0.002249	-0.055476	-0.081558	0.034873	0.021996	0.074728	0.027887	-0.142239	-0.056165	0.009406
193	0.090173	-0.041758	0.012834	-0.087471	-0.053836	-0.068946	-0.11665	-0.088183	-0.009838	0.053695	0.068219	0.065906	-0.008484	0.03589
194	-0.015026	0.077039	0.072692	0.025718	0.016043	0.169197	-0.020847	-0.003434	0.017226	-0.084039	0.055889	-0.0287	-0.057317	-0.033509
195	0.034105	0.002487	0.0403	0.097712	-0.023873	0.041662	0.03622	0.081824	0.014587	-0.054966	-0.010936	0.069536	-0.049222	0.077021
196	0.016541	-0.054094	-0.115725	-0.015314	0.090835	0.025499	-0.004268	0.00233	-0.004643	0.046221	0.073646	0.00882	-0.01249	-0.091436
197	-0.016487	-0.052601	-0.155926	-0.130082	-0.050264	0.021233	0.017594	0.053467	-0.037259	0.022893	0.069088	0.00484	-0.084143	0.017835
198	0.11026	0.067376	-0.014547	0.000232	-0.058881	-0.047978	0.08139	0.051269	0.00393	0.113118	-0.043513	-0.054669	0.019969	0.050632
199	-0.0703	0.091484	0.040263	0.050304	-0.074109	0.074699	-0.045683	-0.12496	-0.117175	0.008207	-0.085996	0.015368	-0.001034	-0.033067
200	-0.070782	0.095236	-0.021811	0.016122	0.110019	-0.213809	-0.013678	-0.043848	-0.036303	0.016595	-0.034035	0.024552	0.00184	0.056828
201	-0.082765	-0.091511	0.106817	0.055661	-0.041434	-0.001547	-0.048973	0.028318	0.062031	-0.026192	0.019072	0.096825	-0.065124	-0.023721
202	-0.07651	0.003188	-0.026032	-0.017126	-0.033011	-0.023131	-0.045969	-0.086233	-0.059199	0.010292	0.052575	-0.073044	-0.035927	0.022321
203	-0.154754	-0.015529	-0.0009	0.080477	0.014904	-0.09	0.062048	0.095418	0.008086	0.00131	0.058508	-0.086863	0.020169	0.125083
204	-0.079608	0.035897	-0.092023	-0.033537	-0.005905	0.080826	-0.008155	-0.06542	0.046276	-0.096549	-0.061474	0.039753	0.08021	-0.021896
205	0.047763	-0.030445	-0.064322	0.003731	0.042891	0.025151	0.008747	-0.067799	0.02551	-0.040285	-0.010981	0.078053	0.102375	-0.045697

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
206	0.061196	-0.018618	-0.061204	-0.046342	-0.048865	0.00541	0.113303	-0.044846	-0.056645	0.06315	-0.038893	-0.104791	0.043426	-0.035342
207	0.076242	0.009774	0.075221	-0.033885	-0.100817	-0.056449	-0.064983	-0.026443	0.117852	0.038135	-0.013222	0.048595	-0.088836	0.00368
208	0.035784	0.075377	0.073933	-0.072216	-0.048697	0.068776	0.022906	-0.006578	-0.023901	-0.045412	-0.044193	0.166809	0.032308	0.051166
209	0.092536	0.069814	0.01128	0.125418	0.055471	-0.064546	0.104094	0.085147	-0.014978	0.058131	0.076694	-0.05461	-0.197767	0.020983
210	-0.074111	0.06725	0.092917	-0.032454	-0.009934	-0.07109	0.049296	0.00736	0.085611	-0.009999	-0.006955	0.053646	-0.027759	0.006241
211	-0.063747	-0.10551	0.022583	0.00776	0.07191	-0.058601	0.043887	-0.040428	-0.064227	-0.159617	0.148425	0.085377	0.036044	0.051401
212	0.105487	-0.037305	-0.01768	0.043666	0.0319	-0.005898	0.017002	0.089506	0.000951	0.060176	-0.077543	-0.065229	-0.046636	-0.052501
213	0.048522	-0.080253	-0.015845	0.0268	0.132205	0.035173	-0.021328	0.079045	-0.002405	0.062169	0.0585	0.07695	0.057641	0.005894
214	-0.005896	0.005691	0.019798	-0.021421	0.024643	-0.011105	0.034539	-0.009373	-0.027764	-0.077373	-0.004743	0.054137	-0.065699	-0.026531
215	0.084897	-0.074549	-0.054068	-0.059	0.033707	-0.04614	0.005244	-0.072344	-0.052575	0.025417	-0.118256	0.059288	-0.067391	-0.017127
216	-0.082598	0.01794	-0.029258	-0.054969	-0.117209	0.091056	0.04171	0.060908	0.023122	0.087294	0.028021	-0.064114	0.000458	0.048305
217	-0.021364	-0.059591	-0.0145	0.030391	-0.051403	0.01126	-0.026219	-0.022997	0.036432	-0.06728	0.030658	-0.007625	-0.030802	0.030856
218	0.010907	-0.079039	0.023174	-0.030295	-0.009501	-0.054005	-0.026869	-0.053107	0.017352	-0.000475	0.011812	0.031761	-0.069014	-0.005252
219	0.005939	-0.071028	0.030202	-0.053084	-0.05828	-0.022022	0.026594	-0.049124	-0.04709	0.090227	-0.002884	0.03175	-0.021361	-0.01581
220	-0.011291	0.004763	0.093387	-0.027251	-0.065128	-0.017188	-0.055353	0.034329	0.121881	-0.019058	-0.022513	0.013314	-0.060019	0.024203
221	-0.01785	0.02579	-0.047979	0.01123	-0.033313	-0.020155	-0.014113	0.001174	-0.009408	-0.025364	0.019801	-0.018829	-0.004877	-0.037703
222	-0.017646	0.026355	0.002426	0.00036	0.029984	-0.017762	0.013691	0.003812	-0.033447	0.051866	-0.067605	-0.008215	0.019191	-0.029984
223	-0.030687	0.104184	0.054514	-0.02028	0.074572	0.036464	-0.032573	0.014012	0.047931	0.083513	-0.091723	0.069482	-0.015355	-0.001395
224	0.007049	-0.060552	-0.114558	-0.026606	0.075575	-0.071059	-0.004761	-0.007759	0.013864	-0.025781	-0.062292	0.035284	-0.070851	0.001549
225	-0.008545	-0.003859	-0.0617	0.043485	0.015218	-0.064308	-0.032609	-0.006075	-0.008724	-0.031448	-0.044964	-0.044128	-0.020467	-0.013563
226	-0.034991	0.079104	-0.001935	-0.033824	0.0435	-0.043997	-0.009354	-0.022877	-0.01625	-0.004795	0.022723	0.009254	0.010669	-0.02628
227	0.052006	0.00614	0.047791	-0.039731	0.050748	0.06535	0.024602	0.040662	0.056753	0.007678	0.043525	-0.014786	0.090021	0.009911
228	0.11483	0.016077	0.009165	-0.01181	0.060659	-0.065121	0.001628	0.075329	0.098504	-0.084201	0.075268	-0.011519	-0.075428	0.00126
229	-0.073191	-0.01977	0.038692	0.029862	-0.018389	-0.055678	-0.033105	0.061504	0.033899	-0.010922	-0.011498	-0.110696	0.020714	0.021349
230	-0.015507	0.016668	-0.015705	0.009947	0.042079	-0.006824	-0.051784	-0.013446	0.011629	-0.064211	0.0013	-0.011502	-0.027916	-0.039975
231	-0.060151	-0.012093	-0.019928	0.096718	-0.02938	0.02728	-0.008701	-0.03594	0.128809	0.064482	-0.058865	-0.01133	0.060108	-0.06108
232	-0.052796	0.019913	0.047359	-0.052617	-0.059319	0.111079	0.119797	-0.0344	0.049636	-0.037703	-0.090263	0.079197	0.016448	-0.039931
233	-0.029471	0.098187	0.011862	-0.015018	-0.008548	0.043365	-0.010381	-0.024065	-0.002611	0.003769	0.019393	-0.092734	0.109182	0.088109
234	-0.040604	0.012461	-0.019542	-0.019982	0.048655	-0.050282	-0.045591	0.034897	-0.035625	0.081867	-0.003224	0.069998	-0.098767	0.009395
235	0.024043	-0.047016	0.050203	0.036026	0.058316	0.006224	0.106176	0.028939	-0.033811	0.051301	0.023943	0.038734	-0.022416	0.008123
236	0.043589	0.082869	0.012699	-0.021228	-0.032512	-0.01531	-0.048434	0.008092	-0.008266	0.021744	-0.015806	0.026873	0.011321	0.053066
237	0.057623	-0.035218	0.062893	0.008124	0.021205	0.025271	0.014655	0.061038	0.095932	-0.005961	-0.002265	-0.068732	-0.03653	0.041347
238	0.021469	-0.014646	-0.010813	0.062175	-0.012949	0.036779	-0.020584	0.010781	0.013811	0.020594	-0.040208	-0.080829	0.013633	0.000723
239	0.010045	0.028201	-0.013124	0.03231	-0.065192	0.022636	-0.046357	0.046158	-0.018952	0.050278	0.031164	-0.043832	0.035526	-0.002377
240	0.02504	-0.03797	-0.049571	0.00302	-0.060769	0.009954	0.026374	0.037408	-0.008694	-0.021854	-0.028279	-0.0032	0.030835	0.042467
241	0.024847	0.004014	-0.04563	-0.029646	0.015454	-0.03701	-0.013609	0.018804	0.000235	-0.015279	-0.013642	-0.136087	-0.000494	0.055913
242	-0.047683	-0.051941	0.016213	-0.012871	-0.056172	-0.03854	0.036317	0.003526	-0.012029	0.021623	-0.02876	-0.055644	0.077496	0.031618
243	0.01211	-0.077583	0.054975	0.056808	-0.114807	-0.033344	0.013248	-0.025164	-0.062839	0.029502	0.021869	0.00461	0.119234	0.014402
244	0.008715	0.03942	0.048176	0.001499	-0.029929	-0.048365	0.007732	0.00379	-0.033093	-0.045025	0.007038	-0.002298	0.063611	-0.026134
245	0.038199	-0.003353	-0.001615	-0.05284	0.068252	-0.025621	-0.036213	-0.067452	-0.074473	0.041703	-0.025086	0.063998	0.0383	-0.086858
246	-0.041925	0.005559	0.016477	-0.004668	0.000027	0.018405	-0.008588	-0.017482	0.003865	0.023381	0.038612	0.000505	-0.027478	-0.017852

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
247	-0.008183	-0.001734	-0.026804	0.061032	0.052573	-0.026498	-0.00792	0.021365	-0.023771	-0.011416	0.006143	0.018711	0.020015	-0.018851
248	0.050513	-0.043477	0.021035	-0.023223	0.000671	-0.033908	-0.021766	0.053527	-0.014061	-0.025031	0.018791	0.016713	-0.000299	0.05904
249	0.076073	-0.043891	-0.032856	0.115322	-0.057486	0.000646	-0.127371	-0.057368	-0.034871	-0.011877	-0.016603	0.009303	0.024668	0.069736
250	-0.033259	-0.004431	0.018403	0.00228	0.001326	-0.01641	0.017069	-0.059292	0.020493	-0.019191	0.026339	0.001537	-0.100293	0.001905
251	-0.015926	0.029504	-0.025712	-0.054086	0.021555	-0.037122	0.07688	0.008436	-0.025757	0.036314	-0.026808	0.017039	-0.027254	-0.01825
252	-0.007483	0.024864	-0.075094	-0.037771	-0.001377	0.054997	-0.054421	0.053915	-0.046772	-0.030728	-0.034274	-0.057399	0.079641	0.005176
253	-0.017879	-0.032714	0.080097	-0.014249	0.051113	0.067812	0.005625	0.052858	0.053379	-0.031814	0.019728	0.046562	0.061022	-0.036735
254	0.0158	0.063185	0.027664	0.03198	0.062649	0.007922	-0.050085	-0.016054	-0.014728	0.070023	0.051559	0.04542	-0.026436	0.00594
255	-0.002018	0.021342	-0.013401	-0.047719	0.016027	-0.027209	0.044932	0.005755	0.017699	0.013333	0.046205	0.017092	0.053079	-0.040846
256	0.073999	0.024142	-0.062239	-0.044748	0.109714	-0.014956	-0.050041	-0.067935	0.085322	0.047067	0.030731	0.064293	0.022937	-0.023994
257	-0.092144	0.038081	0.024298	-0.061437	0.02942	0.085414	-0.032238	-0.018724	0.037841	-0.037324	0.028669	0.043936	0.06015	-0.018198
258	-0.047391	-0.007915	0.06066	0.022173	-0.03328	0.001098	-0.059804	-0.037003	-0.037516	0.006461	-0.025966	-0.025609	0.013522	-0.045223
259	-0.015299	-0.063059	0.006305	0.005789	-0.002408	-0.063573	0.000268	-0.008071	-0.009252	0.006562	-0.035964	0.008309	0.024712	0.021916
260	-0.06497	0.006674	0.07105	0.004276	0.019088	0.060293	-0.084878	-0.02983	-0.010191	-0.094657	-0.06987	-0.080973	-0.060975	0.066668
261	-0.072766	-0.086652	0.009011	0.025026	0.064758	-0.000754	0.024074	0.02944	-0.00205	0.074905	0.00677	-0.037799	-0.043274	-0.040778
262	-0.011497	-0.052245	-0.004912	-0.02486	0.068263	0.0069	-0.04198	0.016041	0.042017	0.010188	-0.011041	-0.048692	-0.062735	-0.007999
263	-0.001243	-0.028058	0.033085	-0.06074	0.045115	-0.004591	-0.034645	0.035491	0.026003	-0.003897	0.003254	-0.002931	-0.014642	0.012403
264	0.054664	-0.023775	-0.011841	-0.000465	0.022548	0.055198	0.102329	0.021026	-0.031015	0.025445	-0.065274	-0.027351	0.078188	0.046895
265	0.010589	0.013832	0.025744	0.001362	0.00045	0.034952	0.094177	0.033286	0.009798	0.020033	-0.008206	0.007551	-0.014489	0.007972
266	-0.02351	0.041176	0.00295	0.023229	0.033237	-0.040987	0.094156	0.019885	0.06438	0.041636	0.063302	0.019204	-0.057518	-0.105559
267	-0.07787	-0.12529	-0.009326	0.038807	0.023055	0.037094	-0.009741	-0.098079	-0.03661	0.011906	-0.066396	0.073671	-0.041993	0.04442
268	-0.014155	0.012953	-0.009296	-0.004507	-0.026123	-0.032195	0.032156	0.015894	-0.040921	-0.030141	0.018617	-0.007347	-0.009541	0.050654
269	0.026934	0.026297	-0.044889	-0.00023	0.025844	-0.044201	0.05767	0.027433	-0.036075	-0.044177	-0.042831	-0.019936	-0.038624	-0.000916
270	0.027602	-0.005093	-0.007764	-0.085012	0.012489	-0.013577	0.017522	0.030315	-0.026716	0.037239	0.03052	0.020628	-0.009852	0.033994
271	0.076508	-0.021829	-0.030535	-0.01595	0.000735	-0.030081	0.002464	0.090925	0.028548	-0.04452	-0.041183	-0.044635	0.07379	-0.025751
272	0.044264	-0.027066	0.01435	0.033089	-0.009902	-0.023551	0.005399	-0.085666	0.033946	0.005228	-0.026842	0.03801	0.046714	-0.061813
273	0.000178	0.014679	-0.008415	0.0083	-0.029408	-0.034775	-0.024771	0.009889	-0.031335	-0.013909	0.023418	0.052048	-0.016933	0.007767
274	0.017131	0.027328	-0.024884	0.004337	0.001548	-0.042086	-0.007519	-0.005922	-0.021252	-0.0234	0.006338	0.037483	-0.018918	0.002701
275	0.079743	-0.047496	-0.000725	-0.057942	0.013542	0.009994	0.046671	0.052452	-0.053877	0.068743	0.05442	0.109165	0.0117	-0.003711
276	0.013775	0.037194	-0.003996	0.000136	-0.057626	0.010732	-0.00471	0.029223	0.016203	0.100533	-0.008635	0.07096	-0.051872	-0.009505
277	0.032587	-0.015183	0.000316	0.075855	-0.022612	0.046102	0.050388	0.072677	-0.034244	0.00834	-0.017128	-0.00032	-0.083682	0.056565
278	0.033885	-0.001818	-0.032166	0.017274	0.012827	-0.016315	0.056219	0.019865	0.013741	0.00051	-0.005497	0.061062	0.007721	0.022172
279	0.03374	0.020311	-0.02724	-0.014118	-0.06528	-0.030678	0.008502	-0.00684	-0.087947	0.028999	-0.010472	-0.033775	0.00047	0.001911
280	0.00004	-0.011276	-0.025868	0.047554	-0.090565	-0.006579	-0.002748	-0.035032	-0.036315	0.040902	0.086429	0.024485	0.00954	-0.001885
281	-0.105456	-0.033749	-0.055212	-0.017628	-0.045866	0.017714	-0.011527	-0.081833	-0.041358	0.026278	-0.008167	-0.072217	-0.028723	-0.022001
282	-0.033718	0.002788	-0.088705	-0.025465	0.014592	-0.022201	-0.000433	-0.015203	-0.018129	0.016514	-0.03878	-0.043307	0.019848	-0.015189
283	0.052185	0.046635	-0.026608	0.032482	0.047372	-0.063577	-0.044964	-0.088967	-0.031446	-0.023134	0.053662	0.031902	0.052603	0.021966
284	-0.063496	0.0091	0.007768	-0.020498	-0.008565	0.088152	-0.030851	-0.017224	0.013912	-0.003951	0.018128	0.043485	0.046227	0.028745
285	-0.040989	0.039265	-0.00323	-0.067512	0.005976	0.086832	-0.040077	-0.001389	0.040321	-0.04776	-0.039239	0.05606	0.078305	0.006526
286	-0.039033	-0.062023	-0.003261	-0.001208	-0.021535	0.011678	-0.042648	-0.026263	0.028146	0.05793	-0.043945	-0.057401	0.009123	-0.027837
287	-0.037376	-0.022891	-0.018257	-0.023484	-0.005307	-0.006093	-0.046312	-0.035057	0.039258	0.041047	0.018641	0.003781	0.046982	0.016943

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
288	0.041796	0.054202	0.117021	-0.082404	-0.016013	0.005932	-0.010085	-0.033632	-0.063953	-0.00242	-0.013335	-0.041504	-0.047918	-0.01224
289	0.007148	0.063811	0.008227	-0.049411	0.015526	-0.01671	0.005405	-0.035776	-0.029248	0.070575	0.000089	0.0125	-0.029338	0.007958
290	-0.013222	0.028337	-0.007887	0.015981	0.011347	-0.022643	-0.038563	0.021656	0.04189	0.043094	0.026336	-0.026729	0.047078	0.062316
291	-0.01681	0.016538	-0.020939	0.014912	0.018757	-0.023227	-0.041739	0.030498	0.037252	0.049387	0.029682	-0.027676	0.044257	0.064875
292	-0.008272	0.042892	-0.024998	0.003379	-0.005689	-0.009374	-0.005049	0.013645	0.027013	0.03171	0.004783	-0.024587	0.005889	0.031626
293	-0.022977	0.0214	-0.02917	-0.037553	-0.049964	0.005505	0.024244	-0.088161	-0.088011	0.013596	-0.003233	0.06412	-0.0181	0.013377
294	0.057733	0.024229	-0.029359	-0.017483	0.031868	-0.042258	0.058918	0.01307	-0.036419	0.096486	0.00992	0.053544	0.001592	0.068353
295	0.015544	-0.028207	0.064789	0.002055	0.04432	0.00996	0.000314	-0.053224	0.017535	-0.010161	0.049198	-0.012882	0.02251	0.022722
296	0.049099	-0.014763	0.127828	0.075534	0.119544	0.00591	0.02216	0.05073	0.012983	0.028075	-0.028644	0.072417	0.007305	-0.036771
297	-0.038241	-0.051996	0.009045	-0.030065	0.001363	0.052534	-0.042451	-0.028466	0.012361	-0.025822	-0.017567	-0.002293	-0.086942	-0.042347
298	-0.016185	0.003901	0.01792	0.054245	0.097941	-0.094231	-0.123055	0.059642	-0.069729	-0.021608	-0.103076	0.012223	0.12386	-0.021681
299	-0.037999	-0.015743	0.004627	-0.055471	0.04554	0.029134	-0.052088	0.034799	-0.016963	-0.003175	-0.046678	-0.090088	-0.025993	-0.041221
300	-0.031437	-0.033454	-0.007775	-0.161772	-0.006598	0.04085	0.058112	0.080658	0.068468	0.041755	-0.030725	-0.114832	0.001721	-0.019307
301	-0.037331	0.003258	0.088808	-0.032311	0.003289	0.030926	-0.028464	0.038733	0.011546	-0.019955	0.027186	-0.006619	0.048513	0.00242
302	-0.008163	-0.009997	0.09317	-0.046029	0.049721	0.066591	-0.02499	0.044684	0.03954	0.064109	0.1035	-0.017105	0.011343	0.000143
303	-0.007299	-0.011114	0.013359	0.014377	0.101809	-0.016759	0.007799	0.026545	-0.014151	-0.036503	-0.090913	-0.035219	0.041796	0.0076
304	0.084405	-0.039865	0.060119	-0.041241	0.074899	0.050108	-0.05786	0.012316	-0.0356	0.034845	0.013549	-0.016009	-0.078823	0.017948
305	-0.012787	0.030826	-0.02788	-0.055186	0.040594	0.009102	0.042662	-0.126042	0.069933	0.065954	-0.02148	-0.078656	-0.001675	0.0483
306	-0.021698	0.002815	-0.033869	-0.035506	-0.063436	0.086225	0.087328	-0.055706	-0.065375	0.067369	0.031775	0.017438	0.079113	0.008208
307	0.031913	0.045738	-0.013527	-0.009665	0.020474	0.112819	0.14346	0.006086	0.00222	-0.025745	0.008915	0.100759	-0.029669	-0.028631
308	-0.025852	0.052714	-0.046411	-0.035219	-0.035139	0.051407	-0.097163	-0.03076	-0.049793	0.007937	-0.030961	-0.032252	-0.014027	-0.025994
309	0.037884	0.003628	-0.056886	0.023973	0.003198	0.01034	-0.060045	-0.004162	-0.065021	0.054418	-0.003872	0.036098	0.012894	-0.020305
310	0.004756	-0.006406	0.006044	-0.019233	0.033865	-0.044214	0.033049	0.046356	-0.010874	-0.102795	0.035931	0.091881	0.106598	0.010886
311	-0.012178	0.026253	-0.039133	0.035826	-0.019808	-0.033982	0.012385	0.082348	-0.157377	-0.082671	0.026984	-0.052064	0.006563	0.009255
312	-0.05978	-0.022837	-0.010175	-0.128608	0.017007	0.040681	0.051871	-0.124677	0.083721	0.015261	-0.041472	-0.041368	-0.092443	-0.027642
313	-0.102193	-0.053473	0.105032	-0.065276	0.001907	-0.010621	0.01394	0.131749	-0.050728	0.034218	0.0053	-0.017618	-0.04242	-0.006495
314	0.000235	-0.100565	-0.028361	-0.056491	0.02829	0.018842	-0.065115	-0.045034	0.013887	-0.03396	-0.082696	0.061473	0.109746	-0.138036
315	-0.047243	0.028016	-0.069084	0.03877	0.034604	0.042014	0.008291	-0.046627	-0.005565	0.012854	0.00342	-0.114675	-0.056946	-0.047894
316	0.075489	-0.034011	0.040076	0.076655	0.015321	0.080808	0.003362	-0.04709	-0.100703	0.02796	0.089711	-0.009193	0.037827	-0.067893
317	0.026816	0.000838	-0.012832	0.036531	0.050539	-0.014227	-0.047792	-0.029186	-0.008504	-0.000579	0.006425	0.06575	0.034039	-0.018717
318	0.113683	0.118401	0.048711	-0.001789	-0.045691	0.011902	0.023837	-0.006456	0.040855	-0.070077	-0.013822	0.016883	0.04395	0.00082
319	-0.042832	0.033162	-0.048402	0.086047	0.026412	0.03929	-0.040915	-0.049734	0.055373	-0.005166	0.01485	-0.027622	0.039364	-0.011934
320	0.000003	0.067063	0.049107	0.080359	-0.024155	0.042219	0.070337	0.04248	0.036388	-0.046455	-0.079341	0.028963	0.019487	-0.083111
321	0.01145	-0.00246	0.033355	-0.056719	-0.025895	-0.013815	0.026622	0.023161	-0.001506	0.09362	0.104781	-0.086196	-0.079587	-0.123229
322	0.025244	0.042443	-0.000072	0.121633	0.10629	-0.203884	-0.046202	-0.074747	-0.095909	0.009934	0.026609	0.058386	0.088832	-0.019271
323	-0.135792	-0.020584	-0.083886	0.102447	0.064885	-0.006933	0.082727	0.042252	0.006359	0.014475	0.062455	0.052474	-0.000344	0.021922
324	-0.049797	-0.002444	0.004361	-0.078132	-0.149945	0.000803	0.09227	-0.055148	0.058485	-0.106813	0.077597	-0.002386	-0.109863	0.012717
325	0.07188	-0.027982	-0.011702	0.099325	-0.01605	-0.143239	-0.029213	0.044645	0.077641	-0.011537	-0.062477	-0.01616	-0.117202	-0.054455
326	0.0463	-0.085333	-0.019059	-0.015657	-0.020833	-0.20595	0.048472	-0.140403	0.057758	0.002925	-0.039386	0.057737	0.075517	0.156292
327	0.009698	0.051449	0.003663	0.050236	0.002583	0.010218	-0.040721	-0.009662	-0.038709	0.064403	-0.087614	-0.074451	0.009641	0.000647
328	0.030782	-0.049303	-0.085215	0.132012	-0.025665	0.08182	0.035696	-0.101692	0.011775	0.08432	0.076605	0.035643	-0.071935	0.120379

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
329	0.007652	0.038292	0.074981	0.058926	-0.01209	-0.027955	-0.046026	0.086449	0.074973	0.091923	-0.020314	-0.029909	0.034389	0.040031
330	-0.044478	0.012312	0.024747	-0.026023	0.00235	-0.059997	0.072861	-0.059735	-0.026741	-0.01567	0.001452	0.043667	-0.042916	-0.074283
331	0.027182	0.031678	-0.066275	0.00158	-0.02886	-0.063613	0.079857	0.00063	0.00937	0.082697	-0.048286	-0.05274	0.036656	0.066937
332	0.082126	0.055046	0.088014	-0.063229	-0.080963	-0.021315	-0.038466	0.041945	0.0759	-0.099187	0.011194	-0.002137	-0.098302	-0.012482
333	0.122352	0.044854	-0.073501	0.079776	-0.185555	-0.044137	-0.040252	-0.008325	0.078499	-0.014805	-0.013988	0.005454	0.023907	0.037884
334	-0.007012	-0.102894	0.108646	0.074574	0.011957	0.018514	-0.075576	0.039261	0.053254	0.066542	0.117206	-0.029344	0.091851	-0.09813
335	0.039216	0.002291	-0.037622	0.035118	-0.083733	-0.029792	0.030634	-0.071501	0.056514	0.061694	-0.085154	-0.027075	0.013473	-0.012659
336	0.075311	-0.044468	-0.104872	-0.051651	-0.059267	0.022038	-0.090606	0.05307	-0.017377	0.035622	0.075203	-0.065278	-0.01117	0.027886
337	0.03176	-0.015582	0.102152	0.126502	-0.076616	0.087306	0.001221	-0.059519	0.080542	-0.138454	-0.008389	-0.022451	-0.030491	0.065018
338	-0.084558	0.028197	-0.024067	0.074118	0.050849	0.086412	-0.065903	0.056349	0.080218	0.033563	-0.130372	-0.031034	0.025639	0.048574
339	0.005908	0.127941	-0.003964	-0.013392	-0.024807	-0.043959	-0.042599	-0.037171	-0.062645	-0.012766	0.173628	-0.043389	0.061277	-0.024392
340	-0.01055	0.083035	-0.079871	-0.140744	0.061764	-0.011895	0.042465	-0.042766	-0.077076	0.038848	-0.11878	0.077233	-0.018016	0.026073

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
1	-0.077593	-0.013928	0.028114	-0.000104	-0.038608	-0.007501	-0.0751	-0.036849	0.130151	0.003251	-0.074671	-0.059299	-0.014776	-0.006873
2	0.021828	-0.048991	0.007773	0.019561	0.017527	0.040158	0.026734	0.064326	0.0186	-0.073486	0.000379	0.030272	-0.015066	0.000581
3	-0.048277	0.012063	-0.055438	-0.018476	-0.009706	-0.041407	-0.050357	-0.06435	0.040173	-0.070119	-0.123502	-0.070382	-0.024284	-0.067737
4	-0.079679	-0.025265	0.009819	0.019531	-0.012227	0.030516	0.023243	-0.091506	0.010765	0.038076	-0.021664	-0.01947	0.077278	0.042216
5	0.105287	-0.077338	-0.089652	-0.109616	-0.019069	-0.005471	0.044522	-0.010012	0.073198	-0.051743	0.01005	0.053497	0.107631	0.009183
6	0.030122	-0.010584	0.032608	0.051996	0.119023	0.11815	0.092509	-0.163362	-0.050394	0.095343	-0.143215	-0.056485	-0.008489	-0.048641
7	0.018277	0.000381	-0.008239	0.043717	0.036831	0.094716	-0.064643	0.090635	0.155866	0.106657	0.022159	-0.105199	0.021258	0.103338
8	0.012717	-0.020473	0.056502	-0.008667	-0.014702	-0.037866	-0.024147	0.023799	-0.095585	0.001225	-0.105874	0.001949	-0.073213	0.10393
9	0.038996	0.056087	0.0206	0.03024	-0.047489	0.019808	-0.031558	0.087849	-0.096926	0.029781	0.08264	-0.090827	-0.088135	-0.035416
10	0.034534	0.058214	-0.110747	0.10226	0.002065	0.023949	0.016567	-0.036319	-0.00927	-0.083504	0.012304	0.127595	0.113043	0.005063
11	0.110286	0.018533	0.013731	0.027058	-0.017618	0.04598	0.023679	-0.021726	0.092985	-0.021838	0.0496	0.060408	-0.016238	0.041743
12	0.107485	0.008667	0.022217	-0.096739	0.028944	0.003448	-0.009698	-0.012022	0.012655	-0.053796	0.036691	-0.002132	0.066653	-0.023817
13	-0.030608	0.003836	-0.103638	0.034586	-0.014241	0.029456	0.005634	0.001778	0.055757	-0.07284	0.090836	0.076628	-0.017088	0.023161
14	-0.044324	0.081916	0.006217	0.101075	0.0015	-0.029171	0.112227	0.01771	0.054349	-0.05717	0.041831	0.013219	0.017371	0.00612
15	-0.087213	-0.023128	0.000471	-0.038329	-0.069367	0.004627	-0.011894	0.069222	0.070726	0.021184	-0.060817	-0.030784	0.068976	0.013189
16	0.036633	0.052397	-0.08695	-0.085775	0.06361	0.040776	-0.021848	0.000867	-0.001283	0.137422	0.0757	0.013463	-0.015816	0.0407
17	0.056296	0.016069	-0.125946	0.073523	0.051314	-0.077162	-0.006652	-0.081592	-0.024307	0.062571	-0.051163	-0.03932	0.03077	-0.092853
18	0.015857	0.135856	-0.051517	0.153278	0.03122	0.044304	0.0207	-0.126072	-0.01451	-0.149093	-0.094711	-0.161405	-0.001237	-0.033584
19	0.078248	-0.027851	0.1863	-0.029826	-0.027193	-0.05681	-0.02595	-0.043097	-0.061212	0.068228	-0.028045	-0.138895	0.027462	-0.02874
20	0.009074	0.03402	-0.024811	-0.01425	-0.022419	0.02908	0.016366	0.034192	-0.021535	-0.002833	-0.050057	0.000559	0.022019	0.032466
21	-0.07387	-0.093044	-0.033368	-0.055055	-0.041437	-0.082432	0.131222	0.05219	-0.06512	0.060466	0.056962	-0.057304	0.108634	0.066055
22	-0.064284	0.1576	-0.040227	-0.037412	0.024862	-0.082268	-0.000719	0.140087	-0.021816	0.022021	0.035609	-0.004509	-0.089974	0.010288
23	-0.00989	0.004354	-0.074729	0.05603	0.048253	0.081843	0.004758	-0.140835	0.010437	-0.062168	0.111668	0.021191	0.000093	-0.085524
24	0.000184	0.218259	-0.000411	0.016779	0.059075	-0.037652	-0.101592	0.065311	0.000835	-0.114416	-0.038721	-0.046825	-0.068932	-0.008015
25	0.033141	0.007307	0.076742	-0.057998	-0.018613	-0.002732	0.044763	0.043683	-0.103216	0.023103	-0.00327	0.031442	-0.042174	-0.128584
26	0.018307	0.016745	-0.042321	-0.01181	-0.02047	0.030212	0.010691	0.024652	-0.032585	0.002514	-0.043818	0.019896	0.01896	0.059473
27	0.013267	-0.004898	-0.00066	-0.010696	0.009379	0.036942	0.001746	0.008173	0.0047	-0.005272	-0.012376	-0.012757	0.009475	-0.002975
28	-0.03254	-0.022462	-0.024402	0.027797	-0.04435	0.07017	-0.024745	0.006898	0.045922	0.040733	0.00477	-0.027525	0.002307	0.046479
29	0.052028	-0.211518	-0.060698	0.100955	0.019201	-0.017577	0.045463	-0.065158	-0.001213	0.117151	0.160737	0.070115	-0.080089	-0.104722
30	-0.00527	-0.017092	-0.045546	0.009472	-0.020649	0.055156	0.054045	0.071005	-0.051965	-0.017814	0.063071	-0.011414	0.023131	-0.017574
31	-0.037098	-0.000991	0.052914	-0.003895	-0.020117	0.009645	0.037542	0.013565	-0.066432	-0.007854	-0.003537	-0.030368	-0.102737	0.046862
32	-0.009899	0.002546	0.034048	-0.097611	-0.148678	0.020455	-0.043174	0.013025	-0.029774	-0.038973	-0.021688	-0.052108	-0.048814	0.031048
33	-0.031433	0.00401	-0.038203	-0.042117	0.069974	-0.022586	-0.085467	-0.017406	0.008896	-0.059319	0.032344	0.020229	0.001135	-0.098087
34	0.060135	-0.019351	0.044748	0.017453	-0.013902	-0.022118	0.065229	0.044829	-0.000156	-0.070736	0.035314	0.116308	0.057195	0.085986
35	-0.035583	0.044866	0.119715	-0.066321	-0.029326	0.017649	-0.089449	-0.040061	-0.076224	0.098319	-0.078665	-0.013129	-0.005767	-0.058251
36	-0.043068	0.046063	0.016876	0.048813	0.061475	0.007378	-0.09435	-0.062403	-0.022899	0.03722	-0.110423	0.090431	-0.030308	0.021472
37	0.014182	-0.022079	-0.089573	0.012236	-0.009056	0.00062	0.090071	-0.033105	-0.07527	0.066328	-0.024754	-0.013213	-0.007109	0.041941
38	-0.019434	0.034987	-0.016234	-0.060439	-0.070021	-0.017367	0.018313	-0.051694	0.055838	0.041665	-0.082768	0.07904	-0.040589	0.030931
39	-0.106036	0.075098	-0.138167	0.003063	-0.108025	-0.081889	-0.027625	0.006601	-0.062382	-0.017211	-0.089735	0.058223	0.090741	-0.005935
40	-0.086668	0.076809	-0.016109	-0.012801	-0.063949	0.034043	0.073017	-0.00913	-0.032352	0.009254	0.006647	-0.011577	0.001972	0.031297
41	-0.006775	-0.048643	0.038912	-0.010955	0.053014	0.012905	-0.111214	0.051512	-0.011038	-0.010837	-0.016281	-0.047988	-0.010663	-0.07243

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
42	0.011864	0.054624	-0.018742	-0.043768	-0.024111	0.004776	-0.001202	-0.041889	-0.057963	-0.029647	0.030526	-0.014214	-0.023111	0.044622
43	-0.021379	-0.051728	-0.041504	0.018709	0.010356	-0.033009	-0.02093	-0.042412	-0.009179	-0.062041	0.025394	0.053285	-0.011583	-0.103389
44	0.071324	0.009616	0.0267	-0.062344	0.044231	-0.008539	-0.077971	0.050151	0.002299	-0.001419	-0.030721	-0.000146	0.035682	0.029956
45	-0.047928	-0.041544	-0.007675	-0.081689	-0.01276	-0.04254	0.01396	0.029459	-0.008748	-0.038702	0.02852	0.01595	-0.070949	-0.046249
46	-0.150306	0.015671	0.046401	0.118469	0.024595	0.152199	-0.040353	-0.019238	-0.010942	0.122202	0.069418	0.001425	0.014393	0.129276
47	0.05179	0.030486	0.034486	0.06103	0.050753	-0.008533	0.022853	0.071918	-0.017362	-0.020327	-0.052112	0.059159	0.048264	0.074655
48	-0.037117	-0.077126	0.013542	0.058798	0.108306	-0.015153	0.050971	0.07488	0.019911	0.071673	0.011049	0.008799	-0.0752	-0.068596
49	-0.014748	-0.013782	-0.037068	-0.037862	0.00635	0.02928	0.07896	0.051368	-0.044153	0.018148	0.091602	-0.007206	-0.003003	-0.02689
50	-0.008233	0.026365	-0.046937	0.011462	0.047833	-0.133248	-0.061684	-0.021708	0.067703	0.039542	0.05409	-0.069895	-0.012079	0.05077
51	0.075728	-0.06443	0.02797	-0.035656	0.036556	-0.017449	0.000799	-0.013688	0.080938	0.004666	0.030557	-0.043256	-0.055723	-0.036936
52	0.047605	-0.064524	-0.012947	0.003833	0.045226	0.073453	-0.051702	0.143258	-0.096533	0.00746	0.030344	0.124385	0.104788	-0.065738
53	0.029004	0.023088	0.007333	-0.008776	-0.000819	-0.025855	0.007923	0.063038	0.040272	-0.029684	-0.012426	-0.051295	-0.02447	-0.014403
54	-0.027834	0.025518	-0.038748	-0.015609	0.044617	-0.020439	0.087161	-0.096555	0.014425	0.00695	0.002491	0.02963	-0.009135	-0.047143
55	-0.0281	-0.00128	0.061243	-0.083915	-0.038767	-0.062051	0.111288	0.008007	-0.015212	0.000245	-0.065753	-0.02924	0.042541	-0.039754
56	-0.00271	-0.039279	0.010785	-0.043614	0.02533	0.017287	0.001143	0.004925	0.011379	-0.042988	0.032816	-0.057628	0.050932	0.025731
57	-0.128327	0.005607	-0.045863	0.066374	0.004866	-0.01182	-0.037852	0.007815	-0.044956	-0.031655	0.070569	-0.045925	0.023323	-0.031315
58	0.050402	-0.056322	-0.041813	0.074311	-0.014398	-0.142171	0.007407	-0.052497	-0.001085	0.007438	-0.032571	-0.018265	0.000066	0.008007
59	0.122072	0.010002	0.034149	0.047823	-0.14703	0.026419	-0.037926	0.033329	0.015339	0.026905	-0.099018	-0.102314	0.025837	0.085078
60	0.03231	0.033433	0.062366	-0.007424	-0.026226	0.060442	0.035152	0.00369	-0.103454	-0.032326	0.00203	0.115022	-0.033664	0.052079
61	-0.016205	0.034224	0.078371	-0.012917	0.008605	-0.009961	-0.100702	0.034912	0.0993	-0.022668	0.058691	0.045011	-0.103447	-0.049068
62	0.000841	-0.016093	-0.023093	-0.045315	0.019367	-0.032444	0.006497	-0.042875	-0.132851	-0.019791	-0.025355	0.050631	0.006643	0.108613
63	0.023766	-0.013443	-0.028774	-0.00458	0.048433	0.029513	-0.010605	-0.145031	-0.014068	0.057365	0.056535	0.015963	-0.042208	0.084526
64	0.061109	-0.009227	0.02185	0.012789	-0.014947	-0.032469	0.03379	-0.022954	-0.050494	-0.092599	-0.029002	-0.027122	0.044174	-0.147568
65	-0.083211	0.057806	0.028814	0.002501	0.05183	0.042476	0.061803	-0.015373	-0.080274	-0.040082	0.020856	0.017941	-0.014157	0.027824
66	0.091384	-0.081639	0.099518	-0.019047	0.087952	-0.036788	0.024085	-0.045841	0.009915	-0.033112	-0.058	0.098316	0.004668	0.043971
67	0.08839	0.058484	0.014458	-0.00603	0.007272	-0.007825	-0.053439	0.030134	0.121747	0.12063	-0.052229	0.011867	-0.045857	0.013637
68	0.002825	-0.036137	0.017655	-0.058766	-0.025538	-0.009379	0.081833	0.04968	-0.081989	-0.037503	-0.046544	-0.044975	-0.059498	-0.031309
69	-0.071931	-0.074057	0.041348	-0.046101	-0.034776	-0.069153	0.007628	0.06606	0.101645	-0.022649	-0.025985	0.02929	0.004753	-0.049096
70	-0.003694	-0.041846	-0.006453	-0.035453	0.026696	0.013624	-0.026196	0.01719	0.032241	0.067183	-0.013084	0.039992	-0.0029	0.044793
71	-0.032807	0.008093	0.04331	-0.048788	0.158602	0.048824	-0.015217	-0.024175	0.018303	0.016267	-0.150262	0.002429	0.054101	0.019742
72	-0.003803	0.006221	-0.067828	0.010575	-0.021734	-0.071484	0.009855	-0.011293	-0.012898	-0.033149	0.034645	0.06741	-0.006151	-0.053938
73	-0.005029	0.065258	0.03931	0.008886	-0.041057	-0.009175	-0.056218	0.092578	0.051404	0.068125	-0.070778	0.008082	-0.042937	0.045165
74	0.086308	0.02639	-0.055933	-0.00174	-0.051544	0.029722	-0.007484	0.020726	0.093239	-0.081654	0.034289	-0.05949	0.081042	0.010166
75	-0.005318	-0.022904	0.021091	-0.017285	0.004871	0.017965	-0.015323	0.005036	-0.004349	-0.005617	0.031836	0.01396	-0.011175	-0.000887
76	0.032726	-0.027877	-0.003268	-0.042701	-0.008457	0.008215	0.031585	-0.007068	0.016137	0.007727	0.033255	-0.012823	-0.037594	0.032481
77	-0.005157	-0.025872	0.01622	-0.040161	0.003443	0.019666	-0.03379	0.004005	-0.02799	0.007686	0.007121	-0.012156	-0.004275	0.00193
78	0.015733	-0.021484	0.02508	-0.040611	-0.006209	0.022931	-0.04123	-0.011762	-0.034534	0.014058	0.009044	-0.014641	-0.005767	-0.001647
79	0.010812	0.019586	0.023527	-0.02753	0.021494	0.021878	-0.044017	0.017103	-0.065538	-0.013801	-0.012955	-0.046734	0.081972	-0.032971
80	0.086781	0.015381	0.072095	-0.050888	0.027912	-0.080776	-0.101993	0.004971	-0.053657	0.025698	-0.027926	0.000272	-0.011036	0.04617
81	0.032906	-0.071291	-0.028506	-0.066495	0.026313	0.019262	0.087128	-0.119283	-0.117356	0.05129	-0.034881	-0.020443	-0.067801	0.005107
82	-0.009263	-0.003928	-0.004031	-0.060279	0.035173	0.010238	0.025989	-0.005568	0.010768	-0.001793	0.003308	-0.034646	0.026882	0.012841

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
83	0.015178	-0.005612	0.001117	-0.020168	0.012487	0.03231	-0.005279	-0.01421	0.006328	0.008338	0.007868	-0.009782	0.024994	-0.019969
84	0.015777	-0.003925	0.015144	-0.014782	0.018866	0.030523	-0.027428	0.001067	0.019785	-0.007252	0.004099	-0.015511	0.009949	-0.022883
85	0.086988	0.042833	0.055246	0.014278	0.013654	-0.025459	0.039752	0.023047	-0.005214	-0.059292	0.051245	-0.073478	-0.052103	0.017993
86	0.025514	-0.018144	-0.024093	-0.000058	-0.037396	-0.033165	-0.021024	-0.013037	0.060835	-0.017823	0.051748	0.034401	-0.026156	0.007912
87	-0.009726	0.001929	0.01289	0.039156	-0.110876	-0.059654	-0.067399	-0.080332	0.051613	-0.03436	-0.037889	0.111782	-0.023357	0.040395
88	0.017257	-0.012439	0.02709	-0.030831	0.03251	0.023668	0.009447	0.000925	0.03502	0.003702	-0.011086	-0.031077	0.029931	-0.028161
89	0.005183	0.012677	0.011831	-0.026352	0.013841	0.033011	-0.006445	0.005678	-0.013619	-0.005287	-0.003356	-0.012615	0.022157	-0.012689
90	0.002532	0.025618	0.018042	-0.018283	-0.003668	0.027954	0.001407	-0.010014	-0.001715	-0.022201	-0.037709	0.02608	0.053286	-0.030327
91	-0.002156	0.000442	0.021811	0.005151	0.014017	-0.009423	0.007416	0.039017	-0.030478	-0.041644	-0.000832	-0.017669	0.013019	-0.031941
92	0.0558	-0.01322	0.054792	0.120109	-0.019109	0.027513	-0.024973	0.071962	0.024731	0.018197	0.065281	-0.024797	-0.027817	-0.113593
93	-0.012209	-0.06792	-0.009602	-0.009679	-0.018264	0.019125	-0.008742	-0.030598	-0.016499	0.039473	-0.01269	0.055947	0.032795	0.081903
94	-0.019281	-0.018832	-0.024233	-0.052147	0.080196	-0.001819	-0.022982	0.044844	0.062064	0.00565	0.043124	-0.115321	0.064995	0.057423
95	-0.098929	0.041241	-0.015621	0.008424	0.022293	-0.024857	0.096575	0.087493	-0.009262	0.058635	0.087879	-0.044708	-0.003482	-0.037379
96	0.010193	0.050441	0.121844	0.032674	-0.020351	0.016907	-0.019916	-0.028291	0.025238	0.03461	0.15762	-0.057745	0.027904	0.005402
97	0.121796	-0.078888	-0.058604	-0.143477	-0.046845	0.018127	-0.090952	0.03832	-0.055097	0.113935	-0.043082	0.145639	-0.046417	-0.042641
98	-0.036331	-0.00188	0.0377	-0.029276	0.038384	-0.028437	0.014591	0.045943	-0.038773	0.002614	-0.063098	-0.029668	-0.021868	-0.024622
99	0.056139	-0.11844	-0.081977	-0.004792	-0.045074	0.090421	0.013512	-0.000734	0.106937	-0.012117	-0.065405	0.050065	-0.005831	-0.022307
100	0.023289	0.061998	0.041646	0.013387	0.101347	-0.004397	-0.00682	0.087797	-0.035189	0.046116	0.026404	0.099195	-0.037258	-0.035803
101	-0.036817	-0.025448	0.06698	-0.011975	-0.006878	-0.013375	-0.054255	0.00804	-0.053361	-0.044708	-0.000412	0.00119	-0.045729	-0.020749
102	0.055773	-0.091121	0.083346	-0.058793	-0.040019	0.079203	-0.036731	-0.01856	0.060204	-0.045087	-0.008383	-0.015131	-0.070106	0.047191
103	0.078213	-0.004147	-0.057622	0.005772	-0.109526	-0.080838	-0.100873	-0.099127	-0.020507	-0.100954	0.066749	-0.010352	0.005636	0.066829
104	-0.036363	0.056374	0.128135	0.09886	-0.007366	-0.039702	-0.043012	0.027451	0.05553	-0.114274	-0.046216	-0.066395	0.117657	-0.02259
105	0.014788	-0.086034	-0.038559	-0.02191	0.010383	-0.067749	0.004065	0.005528	0.104566	0.044161	-0.01513	0.015774	-0.05231	0.038138
106	-0.021742	-0.224054	0.033488	0.025281	0.131419	-0.003633	-0.176368	0.023444	0.01739	-0.035394	-0.089575	-0.04476	-0.108097	0.00367
107	-0.021319	-0.015241	-0.022801	0.02166	-0.004857	-0.049582	-0.058087	0.085241	-0.075436	0.029982	0.097013	-0.059479	-0.014378	-0.051459
108	-0.038492	-0.070576	0.043129	-0.096799	-0.056192	-0.032012	0.102334	0.05568	-0.043812	-0.076243	-0.02861	0.052986	-0.060593	0.04118
109	0.014465	0.015701	-0.04826	-0.059567	0.019535	0.103897	0.096491	-0.002615	0.010862	0.00902	-0.009674	0.050926	-0.015986	-0.008936
110	-0.063854	-0.045143	0.031078	0.036711	0.064557	0.140999	0.072802	0.050472	-0.092187	0.003873	-0.032843	0.016448	-0.051669	0.019825
111	0.022685	-0.048859	-0.057561	0.036312	-0.114262	-0.00518	-0.109578	-0.003932	0.015099	0.039286	0.001685	-0.105658	-0.084015	-0.045437
112	0.016975	-0.013281	0.007267	0.018638	-0.043312	0.116344	0.092337	0.137398	-0.003173	0.061323	-0.102612	-0.013964	0.027361	-0.081385
113	0.09712	0.203162	-0.01236	-0.05371	-0.000336	-0.048766	-0.013943	-0.032479	-0.000055	0.044742	0.164983	0.116268	-0.010566	-0.007785
114	0.002051	0.119503	-0.010745	0.061601	-0.010431	0.065183	-0.072876	-0.008722	-0.117249	0.071003	-0.077639	0.080634	0.044625	0.075405
115	-0.018886	-0.135163	0.03125	-0.079261	0.025064	-0.084985	0.065777	0.099904	0.013671	0.059045	-0.063759	-0.062915	-0.039789	0.072791
116	0.011147	-0.013601	0.040892	0.011555	-0.010547	-0.096737	-0.168634	0.028238	0.018084	0.069525	0.084396	0.042201	0.191457	-0.085032
117	0.039427	-0.038812	-0.00822	-0.035586	-0.012699	-0.017096	-0.038255	0.016424	-0.054902	0.075211	-0.028159	-0.000336	-0.053798	-0.058704
118	0.008743	0.072943	0.112329	-0.068481	0.09365	-0.089682	0.058604	-0.096047	-0.116513	0.073603	-0.04536	0.044275	0.136321	-0.036213
119	0.007887	0.062869	0.077906	-0.037198	0.045841	-0.053098	-0.037416	0.032227	-0.051517	-0.03718	-0.003455	-0.011041	0.06278	0.098248
120	0.015363	-0.006255	0.044307	-0.002326	-0.04597	-0.014402	0.04484	0.050905	-0.115839	0.036269	-0.043228	0.061844	0.111443	0.049758
121	-0.002295	-0.054477	0.00742	-0.090507	-0.035587	0.004163	-0.04475	-0.046149	0.059594	-0.057944	-0.036255	-0.007752	0.078677	-0.005382
122	0.132345	0.031192	0.009753	-0.039977	-0.014937	0.12436	-0.014304	-0.014822	-0.073391	0.017445	-0.034522	-0.040302	-0.010122	-0.004707
123	0.078903	-0.014855	-0.012495	0.078573	0.006127	0.056963	-0.022693	-0.02434	-0.00352	-0.00055	-0.044254	0.003707	-0.08806	0.013561

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
124	-0.040938	0.020047	-0.009107	-0.047454	-0.039676	0.037782	-0.035034	0.100897	-0.014091	0.063391	-0.037608	-0.012776	-0.033276	-0.017082
125	0.026028	-0.106808	0.078248	-0.017208	-0.061408	0.063139	0.084886	0.046706	0.010444	-0.070339	0.043468	0.003078	-0.04452	-0.043195
126	-0.01293	-0.042839	0.045657	-0.012707	-0.01562	0.093488	0.026303	-0.020217	0.101911	0.02756	-0.009304	-0.031599	-0.003578	-0.030387
127	0.080867	0.027331	0.042926	0.026923	0.012193	0.09964	0.036763	-0.051241	0.04871	0.038477	-0.038653	-0.00628	-0.007605	-0.057267
128	0.025618	0.010801	-0.015595	0.094143	0.021161	-0.004569	0.060772	-0.014005	-0.021725	-0.031573	-0.05301	0.088771	-0.134071	-0.009209
129	0.036484	0.041413	-0.047505	-0.001935	0.008919	-0.032758	-0.01707	0.022299	-0.025437	0.012684	-0.03451	0.025261	-0.003824	-0.05432
130	-0.02201	-0.00082	-0.041649	-0.033548	0.034676	-0.036588	-0.158104	0.021882	-0.077097	0.035611	0.053462	-0.026299	-0.082258	-0.003507
131	-0.015199	0.023106	-0.017803	0.027762	0.033241	0.070047	0.063961	0.018501	0.028653	-0.026876	-0.019329	-0.096631	0.006428	0.004245
132	0.045724	-0.021651	0.057953	-0.110645	0.169364	-0.042036	0.113385	-0.063532	0.113559	-0.017407	-0.016823	-0.002933	0.078233	0.16009
133	0.103661	0.030907	-0.037151	-0.010364	-0.139648	-0.033949	0.007995	0.01781	-0.000821	0.025277	-0.011843	-0.054398	0.031279	-0.024831
134	-0.023618	-0.002102	-0.041059	-0.055365	0.043605	0.031677	-0.067112	-0.096602	-0.065791	-0.019419	-0.002852	0.017568	0.02496	-0.057382
135	-0.02917	0.001267	-0.060754	0.073769	0.061599	-0.109557	0.008328	0.023215	0.022661	0.027891	-0.03745	-0.060046	-0.05098	-0.037806
136	-0.054703	-0.017039	-0.054068	0.030982	0.002525	-0.016174	-0.002868	-0.014517	-0.004076	0.012648	0.026487	0.054624	-0.079861	-0.033702
137	-0.033834	-0.012069	-0.040922	-0.042262	-0.037812	0.1011	-0.052929	-0.066978	-0.024989	-0.07507	-0.053305	0.05876	-0.093192	0.039743
138	-0.046795	-0.061323	-0.12738	-0.022889	0.045577	-0.010088	-0.093677	-0.000258	0.06693	-0.031427	-0.020853	-0.037101	0.021979	0.010871
139	0.002825	0.036965	-0.069195	-0.046729	-0.130482	0.067588	0.002008	-0.0052	-0.055787	0.084168	0.026439	0.042656	0.063818	-0.010545
140	0.02056	0.029612	0.05712	-0.098659	0.037553	0.012026	0.020642	0.025986	0.033065	0.005151	0.035701	0.10293	0.065857	0.009134
141	-0.059599	0.011839	-0.058438	-0.078008	-0.020993	-0.040046	-0.168499	0.141741	0.056158	0.114451	0.085135	0.033406	0.031051	0.055637
142	0.068981	-0.058101	0.070428	-0.003148	-0.036882	-0.048633	0.057095	0.003975	-0.04622	-0.004129	0.057463	-0.07127	0.06664	-0.152727
143	0.015435	-0.048764	0.094724	-0.019642	-0.048278	0.047119	0.049857	-0.163432	-0.003015	-0.05646	0.149716	-0.101018	0.011915	0.093935
144	0.043971	0.010236	-0.051722	0.099685	-0.019165	0.022302	0.025362	-0.091799	-0.001395	0.13096	-0.041778	0.01696	-0.027035	0.044841
145	-0.154593	-0.00652	0.016778	-0.064937	-0.150848	-0.093169	0.02773	0.019032	0.143517	-0.038668	0.055977	0.054672	-0.079886	-0.011036
146	0.021799	-0.003299	0.052904	0.049252	0.033234	-0.024301	0.065338	0.033173	0.083692	-0.024385	-0.025449	0.050818	-0.011143	-0.077564
147	-0.025128	0.001603	0.025937	0.143132	0.042643	-0.086211	-0.017914	0.02298	0.010554	0.116544	-0.028453	0.032469	-0.031535	0.10769
148	0.073327	0.039522	0.003687	-0.053089	0.13827	-0.023331	-0.023818	-0.014787	-0.021253	-0.075769	0.028331	-0.008568	0.067483	-0.083664
149	-0.067956	-0.134977	-0.009121	0.04316	0.033411	-0.046763	0.070875	-0.121824	-0.052266	-0.045107	0.06177	0.001433	0.033583	-0.022129
150	0.004973	-0.007162	0.114491	0.113489	0.002605	-0.012376	-0.109874	0.05769	0.094346	0.182217	0.07731	0.057354	0.03855	0.076528
151	-0.112377	-0.046555	0.030725	0.077119	-0.095163	0.073115	-0.037969	-0.018068	0.037419	0.038749	0.043195	-0.051332	0.004355	0.096174
152	0.033759	0.088593	0.084626	-0.004875	0.009021	0.126448	-0.072845	0.009172	-0.066703	-0.132425	-0.101612	-0.111426	-0.026177	-0.025352
153	0.030596	0.045344	-0.193138	-0.124825	0.099093	0.037923	0.010923	-0.017701	0.048022	-0.004201	-0.055111	-0.034913	0.064488	0.011325
154	-0.054084	-0.046766	0.151139	0.044318	0.057476	-0.095651	-0.01046	-0.025302	0.02664	0.05868	-0.009237	0.029011	-0.017556	0.038885
155	0.066872	0.042887	-0.121496	0.039929	-0.134226	-0.111919	0.031544	0.142206	-0.063684	-0.035704	0.042812	-0.074813	0.18013	0.089526
156	-0.117986	0.02258	-0.065429	-0.029121	0.059088	-0.044023	0.028613	0.084853	-0.078635	-0.052786	-0.089229	0.089794	-0.062779	0.011037
157	-0.006882	0.002285	-0.122563	-0.066732	0.107195	0.00539	-0.00349	0.085719	-0.045438	-0.164979	0.038381	-0.053592	-0.063328	-0.083286
158	0.03347	0.013414	-0.015864	0.030473	0.020085	0.063216	-0.049849	-0.056296	0.057752	0.026855	0.090953	-0.017273	0.029699	-0.055552
159	0.004722	-0.141327	-0.026349	-0.100108	-0.032307	0.048747	0.048634	-0.031426	0.00798	0.019563	-0.026915	-0.115453	0.116665	0.032929
160	-0.04321	0.044964	-0.035095	-0.071799	0.076223	-0.045961	0.035749	0.030629	0.053013	0.052391	0.002458	-0.013772	-0.076082	0.027844
161	-0.033432	-0.022974	0.058388	0.041609	-0.061504	0.047973	0.009312	-0.018809	0.069569	-0.043772	-0.03986	-0.017294	-0.056951	-0.042602
162	0.091121	-0.031705	-0.024633	0.042827	0.020683	0.001433	0.018152	0.049792	0.071073	-0.04765	-0.048464	0.072065	-0.037986	0.103613
163	-0.066	-0.066678	-0.023067	0.034793	-0.080351	-0.023833	-0.151506	0.011448	-0.166075	0.004443	0.004456	-0.088255	0.029973	-0.051798
164	-0.001901	0.023613	0.160058	-0.039658	0.042706	0.059393	-0.062467	-0.052446	0.036726	-0.077192	0.018599	0.039867	-0.097595	0.039886

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
165	-0.012836	-0.0001	-0.040853	-0.055565	0.092845	0.046963	-0.010754	-0.029246	0.066777	0.093062	0.048896	0.063357	0.072089	-0.116137
166	-0.060852	-0.137718	0.064947	0.005402	-0.04621	-0.021194	0.066695	-0.014493	-0.054178	-0.028919	-0.053089	0.036029	0.089295	0.01737
167	-0.174903	-0.112268	0.05083	0.007225	-0.010945	0.063735	-0.003466	0.03192	-0.122659	-0.042718	-0.071145	0.083779	-0.003403	-0.030588
168	-0.028361	-0.059978	0.037099	-0.082711	-0.147634	0.001246	-0.073321	-0.100964	-0.054907	-0.118464	-0.017654	0.027969	-0.017479	-0.026036
169	0.0608	0.002702	-0.037548	0.03879	-0.035315	0.011326	0.036286	0.006935	-0.005423	-0.009843	-0.027495	-0.033135	-0.004265	-0.002366
170	0.079155	-0.052146	-0.097695	-0.00321	-0.05409	0.021232	-0.002153	-0.013665	0.043958	-0.011419	-0.012882	-0.02597	-0.047613	0.039344
171	0.032747	-0.022098	-0.037025	0.078406	0.015061	0.05865	0.03446	0.03024	0.02489	-0.01386	-0.002719	0.044508	0.001471	-0.001149
172	0.010926	-0.056589	0.001229	0.007884	-0.024533	-0.034206	0.012179	0.091834	0.005019	0.006495	-0.014251	0.1337	0.075831	-0.0247
173	0.047365	-0.095029	-0.022182	0.010837	0.080321	0.004782	0.036428	0.050186	-0.051824	-0.035087	0.052504	0.137752	-0.05474	-0.005258
174	-0.031471	0.018972	0.021811	-0.072823	-0.010568	-0.056907	-0.016745	-0.046251	-0.019059	0.010474	0.059007	0.006664	-0.041932	-0.011725
175	-0.029579	0.037925	0.035494	-0.107039	0.011272	-0.099449	0.021526	0.098203	-0.042263	-0.06934	-0.068527	-0.058758	0.027328	0.047711
176	-0.046195	-0.042383	-0.037564	-0.035705	-0.013723	0.156965	0.070467	0.024722	0.109168	0.038603	0.008065	-0.000595	-0.009754	-0.078981
177	0.00257	0.044041	0.033805	-0.005808	-0.025539	-0.021144	-0.024365	0.003523	-0.041163	-0.001604	-0.031536	0.029879	-0.125153	0.002467
178	-0.088584	0.002519	0.007151	-0.055111	-0.002449	0.023087	0.006554	0.015364	0.036048	0.071216	0.05393	0.027816	0.007656	0.018659
179	-0.006066	0.044157	0.049192	0.007584	-0.04976	-0.010022	0.04281	-0.01577	-0.010919	0.006482	-0.09335	-0.047198	0.025481	-0.027865
180	-0.057066	-0.031557	0.037712	-0.0479	-0.005844	-0.001129	0.027429	-0.018123	-0.013327	0.002504	0.019967	-0.017516	0.001823	-0.028732
181	-0.01232	-0.012762	0.027336	-0.043447	0.013766	0.00285	0.02195	-0.026691	0.018736	-0.004408	-0.016349	-0.075439	0.006764	0.0276
182	0.044261	-0.025136	-0.005737	-0.037328	0.011632	0.0247	-0.013092	-0.038335	-0.012143	0.037725	0.039156	-0.015485	0.038599	-0.019011
183	0.020102	0.078275	-0.053672	0.079566	0.015746	-0.027688	0.021849	0.04852	-0.01729	0.010741	-0.027419	0.004748	-0.024885	-0.002056
184	0.036033	-0.051172	0.011289	0.058977	0.010703	-0.11157	0.02883	0.022441	-0.106475	0.072104	0.047076	0.030228	-0.025333	-0.004662
185	-0.070161	-0.012746	-0.042388	-0.158162	-0.030942	-0.064071	0.059715	-0.023306	0.108168	0.014368	-0.04736	0.001535	-0.053716	-0.114584
186	-0.057349	0.006683	0.099359	0.021422	0.004073	0.079765	-0.030373	0.0254	0.012113	-0.067903	0.026052	0.041915	0.018347	0.0541
187	0.026273	-0.050275	-0.035247	-0.046707	0.043756	0.084313	-0.014198	-0.022873	-0.083764	0.096267	0.000513	0.012939	0.022874	-0.112272
188	-0.006239	-0.046082	-0.03642	-0.053606	0.027581	0.064452	-0.000964	0.038894	-0.028175	0.084708	-0.035746	0.06386	0.076606	0.002028
189	-0.034498	0.029259	0.016341	0.102708	0.011218	0.054415	0.042063	-0.019906	-0.04541	-0.031271	-0.035113	-0.003452	0.006783	0.015853
190	-0.006426	0.034842	-0.016563	-0.090933	-0.010985	0.083763	-0.031118	0.032841	0.019259	0.014611	0.026876	-0.00236	-0.058976	0.089112
191	0.085167	0.040559	0.066186	-0.151066	-0.041725	-0.032067	0.002704	0.055207	-0.023384	0.016073	-0.033675	-0.069223	-0.012968	-0.030132
192	-0.07772	0.016814	0.118467	-0.017633	-0.055696	0.000592	0.007375	-0.028632	0.136666	0.014323	-0.135982	0.003493	0.0424	-0.101055
193	0.08992	0.010837	-0.052674	-0.043072	-0.03389	-0.058248	-0.01577	-0.088431	-0.079477	0.060692	-0.075897	0.114701	-0.014964	-0.068849
194	0.023363	-0.004804	-0.01665	0.150904	0.051688	-0.017155	0.050902	0.083618	0.043656	-0.036827	0.051065	-0.127375	-0.016957	0.103164
195	-0.067513	-0.07021	0.011041	0.034218	0.005973	-0.095245	-0.053678	-0.07343	-0.009099	-0.047251	0.040347	-0.051093	-0.080491	-0.062921
196	-0.103427	-0.069283	0.027853	-0.052881	0.044451	-0.05128	-0.102774	-0.030981	0.016836	-0.028228	0.035799	0.101972	0.045049	-0.067088
197	0.00923	0.15502	-0.017207	-0.02033	-0.102549	0.016511	-0.006036	-0.033749	0.045294	0.031458	-0.057296	-0.013145	0.043172	0.002442
198	0.04265	-0.031285	-0.048094	0.089014	-0.088937	0.007706	-0.065793	-0.024485	-0.056871	-0.016676	-0.026016	0.074997	-0.103515	0.136854
199	-0.05397	0.023828	0.070053	0.048307	-0.053231	0.078042	0.052931	0.040322	-0.082771	0.154423	0.025046	-0.0144	0.022459	-0.097012
200	-0.035592	0.101541	-0.052466	0.073302	0.184202	-0.12953	0.07989	-0.054276	0.009709	0.026635	-0.073214	-0.120799	-0.023464	-0.161363
201	-0.069791	-0.002875	0.078386	0.022287	-0.012602	0.063383	-0.035741	-0.037291	-0.043546	-0.077348	0.058999	0.028399	-0.077605	0.038117
202	-0.055063	-0.060665	-0.016303	0.028154	-0.052006	-0.052817	0.019097	0.085559	-0.021133	-0.156538	0.109226	-0.036856	0.093307	0.039938
203	-0.115085	0.019426	-0.034709	0.001855	0.095468	0.007772	-0.059657	-0.048288	0.052339	0.002473	-0.089292	0.087137	-0.095615	0.058765
204	0.021015	0.018525	0.048807	-0.097036	0.053528	0.083345	0.006646	-0.025984	0.014833	-0.014113	-0.07498	0.053141	-0.029608	-0.049986
205	0.058691	-0.074555	-0.077116	-0.025204	0.028244	-0.033009	-0.021416	-0.05535	-0.026202	0.018591	-0.064255	0.013594	-0.027611	0.00367

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
206	-0.117858	-0.054633	-0.00369	-0.003297	0.035253	-0.018047	0.012886	0.027027	0.000305	0.045689	-0.028414	0.01319	-0.024715	0.058361
207	0.124643	-0.011535	0.022204	0.024374	-0.031515	0.015906	-0.010303	0.060925	0.039245	-0.07087	0.071478	0.019608	-0.05804	-0.003365
208	0.028648	0.097417	0.047657	0.048916	-0.00859	-0.124215	0.023081	-0.020352	-0.024091	0.083388	0.07964	0.060306	0.019096	-0.096994
209	0.031478	0.091139	-0.031884	0.011197	0.02977	-0.118562	0.027148	0.056972	-0.021783	-0.029069	-0.019356	0.023411	-0.070431	-0.022638
210	0.124228	0.013435	-0.070044	-0.033375	0.006518	-0.000342	0.062641	-0.034959	-0.12278	0.005106	0.00179	-0.017667	0.009197	0.094227
211	-0.028546	-0.009307	0.074436	0.04487	-0.046694	-0.122038	0.019471	-0.015545	-0.01215	0.013293	-0.035418	-0.013575	0.001233	0.036717
212	-0.021304	-0.0309	-0.04317	-0.055187	0.070391	0.047981	-0.088721	0.028764	-0.06277	-0.063287	0.005914	-0.000905	-0.081168	0.035831
213	-0.005394	-0.079148	0.053256	0.12876	-0.033484	-0.054525	0.022146	0.03458	-0.011306	-0.0025	0.022617	0.074649	0.00949	-0.05387
214	-0.012385	0.02348	0.030704	0.041371	0.041393	0.008206	0.016966	0.042313	0.037045	0.001316	-0.009266	0.016418	-0.001897	-0.035565
215	0.041982	-0.033591	0.041365	0.09144	0.041526	0.078941	-0.118321	0.0381	-0.090325	0.021863	0.042523	0.004956	0.081205	0.023239
216	-0.028792	0.022013	0.012341	0.013414	-0.005046	0.051406	0.009856	0.005761	-0.064708	0.070281	0.063727	-0.078186	-0.038743	-0.029267
217	-0.086828	-0.003841	0.030257	0.006845	0.058481	-0.058662	-0.06569	0.024259	0.089165	0.167415	0.004313	0.013774	-0.014574	0.041067
218	0.020334	-0.014963	0.069418	-0.004255	0.002762	-0.04045	-0.03558	0.000801	-0.05607	-0.037723	0.058755	0.015847	0.020999	-0.044571
219	-0.021789	-0.042945	-0.0201	-0.019684	0.013002	-0.01066	-0.027441	-0.034835	-0.058907	-0.040421	0.01609	0.04217	-0.039919	-0.035678
220	0.026034	0.000626	0.091583	-0.004207	0.020896	-0.005774	0.034511	-0.062472	0.019947	0.035922	0.054892	0.04279	0.063575	-0.010766
221	-0.090455	0.059675	-0.021052	0.025249	0.064155	0.001692	0.011205	0.020775	-0.01095	-0.033863	0.042847	0.059832	0.02702	-0.066625
222	-0.041408	0.029348	-0.014137	0.032347	0.055921	-0.039855	-0.031512	0.027657	0.032895	-0.020803	0.031639	0.097489	0.058564	0.037188
223	0.027521	-0.029492	-0.057482	0.011965	0.077061	0.045984	-0.040949	-0.029045	-0.053723	-0.002827	0.081699	0.025745	-0.005825	-0.008401
224	-0.055475	0.039613	0.049301	-0.065829	0.006951	0.031535	0.069431	-0.013433	0.049815	0.026262	-0.00271	-0.028485	0.000626	-0.014218
225	-0.009582	0.023373	0.018638	-0.047475	-0.003025	-0.041845	-0.002644	-0.035736	0.016121	-0.031829	-0.029604	-0.026547	-0.024056	0.008995
226	0.007086	-0.000347	0.019607	0.006348	-0.007869	0.015676	-0.033967	-0.000994	-0.003026	-0.042963	0.016302	0.014739	0.064257	-0.02693
227	0.006915	0.014088	0.006894	-0.035824	0.02113	-0.083407	-0.050123	0.007733	0.070219	-0.067423	-0.0156	0.033574	-0.082737	0.049926
228	0.030505	-0.096556	0.039744	0.066011	-0.092024	0.074908	-0.065822	-0.007244	0.039453	-0.015609	-0.007861	-0.059874	0.06824	-0.005962
229	0.102076	-0.05839	-0.05224	0.03273	0.033384	-0.075594	-0.014833	0.018209	-0.018249	0.053505	-0.006531	-0.101637	-0.067984	0.050599
230	0.069952	0.005075	-0.007204	0.060255	0.003236	0.022765	-0.002735	0.008059	0.028696	-0.007506	0.001089	0.013321	-0.012738	-0.018551
231	0.054203	0.018604	0.026325	-0.04174	0.019982	-0.093254	-0.085654	-0.017043	-0.16214	0.098793	-0.089625	-0.011628	-0.023954	-0.058302
232	0.018996	0.008321	-0.067355	0.062836	-0.043746	-0.018281	0.013561	-0.017811	-0.084029	-0.083433	-0.006185	0.122177	0.051389	0.14181
233	-0.106196	0.035328	-0.035067	-0.059948	-0.071503	-0.096472	-0.010141	-0.065987	0.049885	0.08648	0.071482	-0.000029	-0.003442	0.022803
234	-0.047534	0.021358	-0.01033	0.035316	-0.019996	0.056412	-0.054612	-0.160089	0.003222	0.028315	0.009973	0.068775	0.098236	-0.045105
235	-0.020189	-0.02013	-0.035846	0.033969	-0.031069	-0.027378	-0.050065	0.099935	0.050439	-0.003696	-0.073444	-0.034781	0.038253	-0.007433
236	0.06422	0.022825	-0.034769	-0.031717	0.006147	0.055114	0.036841	-0.045368	0.011415	0.026044	0.04076	-0.044428	0.001665	-0.05088
237	-0.117204	0.008772	-0.050103	0.130834	0.015359	-0.005875	0.001157	0.028368	-0.031553	-0.078488	-0.082133	0.000627	0.045072	-0.042834
238	0.000931	0.018976	-0.012633	-0.033121	0.025005	0.02909	0.064264	0.00051	0.054499	-0.059465	-0.005196	0.014129	-0.00505	0.040488
239	0.047247	-0.028431	0.019785	-0.046015	-0.022836	0.028284	-0.013605	0.024991	0.072378	-0.015979	0.041113	-0.010413	-0.047721	-0.034248
240	-0.035103	-0.078991	0.018888	0.018901	0.030494	0.030836	0.037057	0.078599	0.031051	0.027149	-0.067806	-0.066853	-0.024508	0.003732
241	-0.063364	0.006069	-0.096623	0.012371	-0.067108	0.002435	-0.049773	-0.093744	0.011465	0.045109	0.053524	-0.074162	-0.051357	-0.017103
242	0.081228	0.027606	0.045229	-0.052988	0.00806	-0.015557	-0.011781	-0.025644	0.010326	-0.025382	0.057722	-0.009512	-0.043937	0.055902
243	-0.06151	0.025912	-0.032971	-0.07272	-0.017957	0.012932	0.021505	0.083628	-0.051806	-0.01814	0.051574	0.002644	-0.037349	0.009311
244	0.005971	0.0616	-0.054793	-0.046157	-0.024469	-0.014348	-0.037774	0.011017	0.004038	-0.010257	0.018453	-0.011848	0.005473	-0.031941
245	0.044058	-0.065235	-0.010919	0.036017	-0.028501	-0.059022	-0.065745	-0.02712	0.028789	0.05103	-0.039334	0.010482	0.005522	0.052956
246	0.061618	-0.034541	0.048104	0.019996	-0.045758	-0.051672	-0.066525	-0.011395	0.039315	-0.056349	-0.021529	-0.038254	-0.028024	-0.044231

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
247	-0.017771	0.011071	-0.051174	-0.026265	-0.024332	0.083551	-0.047786	0.080913	0.061016	-0.025897	-0.01252	0.009272	0.048425	-0.035119
248	-0.044187	0.035994	-0.050427	0.023085	-0.001696	0.018913	-0.034566	0.057932	-0.046386	-0.02722	-0.050834	-0.045188	0.133759	0.00277
249	-0.056113	-0.048332	-0.053679	-0.008942	-0.018821	-0.087724	0.117025	-0.022636	0.001372	0.022118	-0.012619	-0.061571	-0.074029	0.055797
250	-0.049099	0.01331	-0.035152	-0.040294	0.063476	-0.02436	0.030261	0.077014	-0.10303	0.028314	0.070631	-0.018903	-0.062163	0.00193
251	0.05503	0.03241	-0.038964	0.052248	0.051888	0.033871	-0.020322	0.072285	0.015043	-0.02955	0.023481	0.066295	-0.037471	-0.017511
252	0.086727	0.031383	0.008427	-0.050043	-0.098929	-0.025962	-0.000545	0.053744	0.011534	-0.053673	-0.035074	0.001177	-0.043413	0.046675
253	0.025088	-0.007292	0.012673	0.060545	0.047263	-0.015918	0.014693	-0.075815	-0.021681	-0.002477	-0.046225	-0.140661	-0.016932	0.025106
254	0.039553	0.080856	-0.062536	-0.108251	-0.07083	-0.058168	-0.027638	-0.09903	0.016708	0.023642	0.044412	-0.043634	-0.107926	0.066588
255	0.024783	0.037549	-0.033778	-0.067849	-0.015899	0.015994	-0.019467	0.003071	-0.01986	-0.001327	0.018338	0.016665	-0.020522	-0.012542
256	0.016486	-0.04044	-0.024111	0.024805	-0.036924	-0.030626	0.035228	0.038701	-0.034075	0.039729	-0.004428	0.022722	-0.0142	0.073939
257	-0.031753	0.027535	0.000539	-0.048573	-0.058381	-0.033021	0.00532	-0.000623	-0.038396	0.030527	0.003564	0.010089	0.015987	0.017982
258	-0.007742	-0.017801	0.008246	0.011154	-0.108307	0.018338	-0.058832	0.013517	0.024655	0.030102	-0.050446	-0.021861	0.067616	-0.052658
259	0.054034	-0.05668	-0.023019	-0.020509	0.113672	-0.025961	0.008397	0.009032	0.020457	-0.029948	0.056024	-0.027586	0.040327	-0.060548
260	0.114788	-0.084826	-0.031132	-0.015944	-0.005617	-0.048918	-0.064133	0.013897	-0.096095	-0.068104	0.007153	0.048472	0.014377	0.002952
261	0.019099	-0.021824	-0.028043	0.123427	-0.012097	0.005859	-0.000069	-0.066838	-0.007411	0.003187	-0.004521	0.026555	0.028055	0.010694
262	-0.064	0.046518	0.033453	0.037346	0.045629	0.024689	-0.001362	-0.031825	-0.006281	0.026909	0.079139	-0.005743	-0.025997	-0.038232
263	-0.049283	0.018581	0.013691	0.05937	0.081884	0.045954	0.042637	-0.04834	-0.015458	-0.031508	0.018622	0.007041	-0.023248	0.025783
264	-0.021141	-0.001346	0.018784	0.027043	-0.009834	-0.008212	0.070614	0.041836	0.014998	0.040106	0.041607	-0.042975	0.049662	0.024273
265	0.044727	0.003551	0.051189	0.010236	-0.050627	0.038237	-0.056511	-0.005153	0.013234	0.015634	0.000373	-0.07366	0.022339	-0.070987
266	0.05159	0.019309	0.016473	0.046697	0.023613	0.040839	0.00739	-0.03142	0.018918	0.069994	-0.090898	0.013652	0.013845	-0.006934
267	-0.038228	0.051299	0.076175	-0.054571	0.0249	0.0338	-0.126161	-0.013171	-0.0135	-0.091045	-0.013546	0.004486	-0.010976	0.020741
268	-0.020458	-0.040543	0.051282	-0.009529	-0.005658	0.088746	0.007396	0.002724	-0.025321	-0.044902	0.006173	0.046518	0.028173	-0.009605
269	0.011572	-0.001179	-0.035716	0.021782	0.01781	0.03861	0.040744	0.015972	-0.052312	-0.007743	0.003514	-0.012598	-0.037227	0.045254
270	-0.005473	0.036802	-0.019235	0.007768	-0.004827	-0.01778	0.005204	-0.016839	-0.035752	0.014588	0.002196	-0.009227	-0.019691	0.04434
271	-0.027633	0.107258	-0.046174	-0.10753	0.069688	0.09303	0.013242	-0.016293	0.059036	0.034182	-0.018691	-0.00379	0.063689	0.061682
272	0.012888	0.014418	0.061414	0.067872	0.01836	-0.030278	-0.066843	0.016133	-0.026966	0.004146	-0.058658	-0.006531	-0.020648	-0.068446
273	-0.017758	-0.026221	0.016459	0.034794	-0.016304	0.003877	-0.00695	0.014841	-0.033139	0.017987	0.024654	-0.010261	0.013224	-0.039279
274	-0.015722	-0.034439	0.002994	0.022734	-0.026783	0.012232	-0.021709	0.009046	-0.033191	0.035234	0.000579	-0.008113	-0.01784	-0.064368
275	0.053278	0.072926	-0.106642	0.026441	0.035276	-0.000462	-0.023397	-0.011637	-0.021546	-0.023884	0.103463	-0.046664	0.028444	0.001584
276	0.021251	0.019749	0.044908	-0.039389	0.002431	0.042265	0.086673	-0.080873	0.050928	0.046771	-0.029545	-0.01999	-0.011732	-0.066103
277	-0.040999	-0.005762	0.038403	-0.019772	-0.004541	0.009001	-0.003867	-0.035931	-0.057901	0.034781	-0.038395	0.011771	0.025114	0.054757
278	0.010409	-0.013083	-0.033023	-0.048067	0.056526	0.001873	0.02017	-0.054811	-0.040507	0.091719	-0.091721	-0.009717	-0.021086	0.103988
279	0.056558	-0.001788	0.012662	0.001428	0.027817	0.004717	0.090731	-0.012418	0.044402	0.047493	0.008404	-0.006267	0.013977	0.027553
280	-0.075058	0.028591	0.003411	0.041096	0.022527	0.0401	0.075461	0.016897	0.026953	0.012727	-0.020492	0.143811	-0.008688	-0.052838
281	0.040666	-0.025839	0.063722	0.095799	-0.028165	-0.059225	0.042006	0.075954	0.030433	-0.063092	-0.006415	0.007302	-0.015944	-0.04921
282	0.064897	-0.003325	-0.057804	-0.066809	0.045483	0.01387	0.050593	0.079725	0.030129	-0.001763	0.01917	-0.064991	-0.081722	0.015596
283	-0.027401	0.01183	-0.022947	0.022276	0.071613	0.025859	-0.05678	0.107117	0.007899	0.040263	0.012228	-0.003796	0.006643	-0.035956
284	-0.004124	0.035849	0.044206	-0.015181	-0.025175	-0.086554	0.07375	-0.023572	-0.004695	0.014495	0.058621	0.011493	0.006149	0.02301
285	0.006083	-0.006662	0.035935	-0.089318	0.023029	-0.005977	0.008854	-0.021243	-0.019327	0.054564	0.061994	-0.016745	-0.022325	0.036711
286	0.003941	-0.02038	-0.032658	0.032425	-0.009492	-0.04301	0.042366	-0.042934	0.019536	0.022952	0.000253	0.002384	0.034326	0.000321
287	0.039068	-0.068248	-0.074173	-0.005974	0.010121	-0.034748	-0.003279	-0.040773	0.004701	0.014712	-0.01375	-0.001012	-0.018851	0.081215

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
288	0.021255	-0.038324	0.021061	0.019743	0.058197	0.00851	-0.063252	0.008815	-0.044832	0.037193	-0.023408	-0.033969	0.015349	0.064946
289	0.010633	0.034571	-0.055913	-0.029836	0.050169	0.024705	-0.063996	-0.039985	0.021758	0.054764	0.079125	-0.007411	-0.019469	-0.036472
290	0.069922	0.015402	0.014161	-0.016089	0.033016	0.024554	-0.023213	0.040509	-0.012769	0.008014	0.028163	0.063975	0.02309	0.008785
291	0.071833	0.033079	-0.000935	-0.007905	0.03209	0.033153	-0.005558	0.047447	-0.001261	-0.004773	0.019541	0.042271	0.013585	0.025527
292	0.034377	0.023312	-0.029818	0.005402	0.042081	0.000262	0.001138	0.053108	0.03852	-0.046486	0.048972	0.002645	0.032133	0.000474
293	0.068775	-0.039971	0.086861	0.082818	0.072387	-0.018564	0.05801	0.054733	-0.043963	0.003688	-0.045097	-0.006898	0.146818	0.077329
294	-0.077387	0.093841	-0.040365	-0.012387	-0.099286	-0.04582	-0.018119	-0.023938	-0.035264	0.071556	0.015221	-0.036233	-0.019436	0.03989
295	-0.021459	0.011916	0.035244	-0.010054	-0.00912	-0.015115	0.00648	0.017405	0.051861	0.017474	-0.062191	0.011098	-0.039537	-0.006742
296	-0.127896	0.062032	-0.007183	-0.024554	-0.00252	-0.002614	-0.012247	-0.124927	0.048046	-0.066938	0.004088	0.056953	-0.081555	0.065082
297	-0.006905	-0.082214	0.030193	-0.037073	0.005145	-0.098721	0.078687	-0.001329	-0.004016	0.097563	-0.044995	-0.008751	-0.041524	0.033134
298	0.031606	-0.027575	0.031938	0.060227	0.085212	-0.058756	-0.003177	-0.056139	0.031961	-0.070805	-0.038523	-0.013338	-0.08141	0.108381
299	0.096117	-0.000518	0.001135	0.000928	-0.008452	0.0982	0.00019	-0.003861	-0.045577	0.03976	-0.017543	0.022846	0.027903	0.022151
300	-0.03176	-0.027846	-0.070999	0.058697	0.019769	-0.086538	0.024284	0.002976	-0.004279	0.076522	-0.076666	0.052163	0.029565	-0.062163
301	0.012546	0.055918	0.029711	0.012368	0.017536	-0.002578	0.076965	-0.015331	0.014054	-0.006109	0.046822	0.053158	-0.00417	0.031477
302	-0.029088	0.011021	-0.026078	0.045305	-0.012083	0.02393	-0.002577	-0.063651	-0.021964	0.06389	0.066553	-0.025013	-0.008543	0.028291
303	0.049166	0.017424	-0.048299	-0.012997	-0.048997	0.023129	0.009666	-0.000489	-0.002199	0.008626	0.003342	-0.004396	0.046467	-0.039131
304	-0.015524	0.041827	0.066846	-0.032893	0.07408	-0.068348	-0.024571	-0.001523	0.011045	0.002788	-0.048568	0.028548	0.110861	-0.047751
305	0.070179	-0.093643	-0.083438	-0.006624	0.012973	-0.073184	-0.004103	0.003355	0.145118	-0.076452	-0.126806	0.033825	0.045041	-0.098329
306	-0.005756	0.011493	-0.000206	0.114713	-0.038663	0.019938	0.072667	0.05844	-0.03149	-0.071902	0.008333	-0.01688	-0.027879	-0.02691
307	0.057946	0.02935	0.09627	-0.105736	0.035727	0.043411	0.096464	0.070494	0.013567	0.019588	0.027345	-0.004372	0.028183	-0.069125
308	0.020066	-0.061961	0.07238	-0.000026	0.048448	0.04002	-0.014434	-0.00007	-0.051129	0.014695	-0.039663	0.028353	-0.044569	0.03803
309	-0.008535	-0.075023	-0.022765	-0.006446	0.005392	0.065767	-0.016253	0.078701	-0.069578	-0.041633	-0.011456	-0.01904	-0.037065	0.072603
310	-0.009089	-0.015634	-0.023742	0.008875	-0.053542	0.039602	0.006074	0.049391	-0.055061	0.034003	0.018157	-0.108108	-0.074882	-0.066276
311	0.02259	0.003496	-0.036613	0.060343	0.108219	-0.018379	0.001607	-0.033214	0.017287	0.014228	-0.011996	0.016083	0.090204	0.029244
312	0.009744	-0.000891	0.006016	0.022958	-0.01217	-0.060557	-0.015472	-0.044314	-0.026994	0.093887	0.001614	-0.03124	0.010252	0.051815
313	-0.054901	0.087043	0.019035	-0.022327	0.015472	-0.037652	0.098825	-0.025212	0.069152	-0.13498	-0.050351	-0.005687	0.088218	0.038737
314	-0.044501	-0.025818	0.009482	0.018021	-0.04587	-0.024623	-0.035943	0.03748	-0.099955	-0.005271	0.000839	-0.068029	-0.062553	-0.065713
315	-0.034664	-0.018456	-0.013163	0.027365	0.017546	0.070659	-0.046645	-0.043926	0.017413	-0.02293	-0.0307	0.007108	-0.027494	-0.04354
316	0.023993	0.024696	-0.061148	-0.007966	-0.13422	0.069537	0.084657	-0.057406	0.033185	0.138302	-0.004648	-0.026989	-0.078588	-0.089116
317	0.022637	-0.012815	-0.02057	-0.070881	0.079799	0.039307	-0.019677	0.08276	-0.115736	-0.057608	0.024814	-0.088781	-0.072723	0.016201
318	-0.124735	-0.009746	-0.16094	-0.009366	0.034386	0.086247	-0.045404	0.009521	-0.039191	0.01035	-0.067478	-0.033787	0.114382	0.073162
319	-0.029584	-0.033162	-0.021182	0.017969	0.026875	0.017563	-0.000089	-0.032207	-0.074927	-0.004999	-0.036751	-0.096255	-0.005897	-0.069067
320	0.06348	0.1038	0.161002	-0.054884	0.021342	-0.107853	-0.072681	-0.145077	0.000092	0.020561	0.068947	-0.05199	0.073599	0.010059
321	0.011877	-0.015876	-0.05438	0.00677	-0.108687	0.071496	0.061025	0.003766	0.021958	-0.00665	0.12133	0.020382	-0.050471	-0.065889
322	0.08982	-0.009408	0.057217	-0.00068	-0.067212	0.02775	-0.039269	0.003856	-0.007207	-0.020676	-0.003677	0.137622	0.034824	-0.038892
323	0.040933	0.051027	0.009589	0.057611	0.024556	-0.030767	-0.015102	0.10878	0.078522	0.078592	0.020006	0.015162	0.014975	0.026754
324	0.040709	-0.016881	-0.04768	0.064639	-0.066136	0.055868	-0.001579	-0.094288	-0.036415	0.015965	0.005719	-0.068044	0.072601	0.064613
325	0.03397	0.008851	0.098294	0.035578	-0.055769	-0.002394	0.153734	0.013356	0.008325	-0.009216	0.125599	0.029527	-0.046199	0.053569
326	-0.02565	0.113678	0.023048	-0.052979	-0.029906	-0.007313	0.092089	-0.118306	-0.065579	-0.06257	0.075752	0.055137	-0.096622	-0.016723
327	0.048308	0.022275	0.043689	0.010146	-0.031473	0.093036	-0.103426	0.049503	0.101213	0.011936	-0.021639	0.037964	-0.069107	0.015337
328	-0.029848	-0.116458	-0.048207	-0.062407	0.072653	-0.039638	0.02828	0.035748	-0.022143	0.012402	-0.007868	-0.087257	0.067262	0.085173

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
329	0.021437	0.010913	-0.043088	0.058128	0.003547	0.018446	-0.049333	0.028754	0.047245	0.021055	-0.018448	0.066438	-0.039023	-0.147042
330	0.051198	0.034563	0.029515	0.05213	0.103774	0.012213	0.064343	0.05973	0.010187	-0.007622	0.030321	-0.084187	-0.069925	-0.010214
331	0.043732	-0.037625	0.028888	0.036809	-0.012082	0.003273	0.0243	0.033639	0.02979	-0.008803	-0.00796	0.101711	-0.064703	0.003425
332	0.011097	0.098324	-0.067101	0.007503	-0.06618	0.002325	-0.04222	0.040882	0.035729	-0.015586	-0.12172	0.044683	0.104668	-0.024723
333	-0.024692	0.013359	0.027038	-0.038096	-0.05189	-0.061097	0.085572	0.078831	-0.027068	0.061869	0.015199	0.059781	-0.022095	0.00915
334	-0.075238	0.127657	0.125816	-0.028496	-0.036225	0.089228	0.010044	0.027148	-0.055905	0.022161	0.025567	0.023343	0.031516	-0.029619
335	0.094974	0.030724	-0.000288	0.0436	0.050167	-0.073625	0.074074	0.022067	0.05553	0.081244	-0.038349	-0.074675	-0.058395	-0.02042
336	0.024443	0.024356	-0.083163	-0.088621	0.183745	0.068139	-0.097139	0.055601	-0.008808	-0.036981	0.06525	-0.047027	-0.006991	0.039435
337	0.084461	-0.036777	-0.0695	0.011	-0.0555	-0.131442	0.010166	-0.045632	0.006048	-0.037384	-0.108068	0.089152	-0.011665	-0.077274
338	0.06157	0.033462	0.015876	0.108411	0.0183	-0.019272	-0.060736	-0.055119	-0.037087	-0.026064	-0.018741	-0.026093	-0.070145	0.01713
339	-0.045907	-0.147798	0.073559	-0.027991	0.111751	-0.085574	-0.100886	-0.114004	0.003623	-0.071656	0.19966	-0.01567	0.125255	0.033398
340	-0.08248	-0.081871	-0.054774	-0.062599	-0.021786	0.041566	-0.00471	-0.03688	0.002606	-0.000173	0.051367	-0.084404	0.087821	-0.039827

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
1	-0.009425	0.028083	0.03539	0.085842	0.003171	0.000735	-0.007812	0.001067	-0.068579	0.040132	0.085659	-0.062461	-0.012857	-0.211336
2	0.075664	0.066999	-0.055935	0.015441	0.005064	0.018786	-0.005038	-0.078168	-0.070045	0.086522	-0.036719	-0.050303	-0.039186	0.061047
3	0.001687	0.02845	0.023885	0.124731	-0.059837	-0.058697	-0.076137	-0.063971	-0.005227	0.024037	0.100075	-0.025325	-0.020604	-0.1272
4	-0.053569	-0.030699	0.015018	0.008266	0.078961	0.002823	-0.097877	0.043124	0.062771	0.074369	0.065867	0.085288	-0.029124	0.230781
5	0.08124	-0.074437	0.001398	-0.003438	-0.167308	0.074319	-0.044628	-0.048629	-0.043951	-0.012116	0.003976	0.00684	0.056841	0.002509
6	-0.092324	-0.087802	-0.061168	-0.109371	0.075323	0.005464	-0.017462	0.056761	0.018672	0.082822	0.111249	-0.09544	0.102391	-0.017094
7	-0.031625	0.09392	-0.081898	0.088008	-0.029065	-0.003466	-0.019813	-0.07274	-0.027281	-0.094037	-0.051947	0.02954	-0.06813	-0.010056
8	0.079687	-0.020473	-0.019281	-0.059904	0.076956	-0.028667	0.038182	0.021598	0.002203	0.014488	-0.013334	-0.010969	0.01295	0.017244
9	0.019902	-0.039849	-0.037569	0.024382	0.024059	0.013863	-0.020493	-0.04156	0.095586	-0.009687	-0.079038	-0.030678	-0.016398	-0.052319
10	-0.048056	0.071391	0.040319	-0.069779	-0.014087	-0.003013	-0.021605	-0.018463	0.027975	-0.074712	-0.147725	-0.042884	0.074391	0.134774
11	-0.076052	0.028264	-0.094616	-0.019783	0.021452	0.053589	-0.032423	-0.024724	0.007227	-0.011933	0.023575	0.053705	0.053562	-0.012484
12	-0.079981	0.004751	0.05667	-0.017459	-0.017239	0.061787	-0.036942	0.060836	0.05423	-0.013362	0.017199	0.040807	-0.032386	-0.050198
13	-0.009657	-0.018679	0.079643	-0.089387	0.058719	0.070203	-0.0001	-0.015349	0.054115	0.012902	-0.002448	-0.075382	-0.048488	-0.028918
14	0.061596	-0.024428	0.095705	-0.028716	-0.009278	0.029332	-0.016492	0.037619	0.046974	-0.036557	0.071237	-0.035729	0.048774	0.019542
15	0.004265	0.007113	0.012348	-0.012953	-0.001838	0.019833	-0.021926	-0.081536	0.068391	0.004984	-0.011182	-0.002036	0.037569	-0.086917
16	-0.037367	0.042715	0.016826	0.050616	-0.029767	-0.029318	0.008225	0.046389	0.033537	0.090899	-0.000436	-0.01175	0.068687	0.04811
17	0.012967	0.008331	-0.000296	0.019712	0.021487	-0.103747	0.027125	0.029872	-0.053271	-0.099313	0.079977	0.034225	-0.094673	0.032681
18	0.018683	0.025737	-0.164685	-0.031429	0.123664	-0.011517	0.037448	0.00343	0.096027	0.017594	0.006304	0.04253	-0.031731	0.076954
19	-0.009401	-0.044494	0.205747	-0.004871	-0.029095	0.087554	-0.039643	0.033355	-0.02357	-0.037824	0.010549	0.068609	-0.033007	0.037244
20	-0.013512	-0.01891	0.023917	-0.006088	0.013727	0.018043	-0.013952	0.002296	-0.056778	-0.00417	0.049417	-0.019415	-0.027686	-0.124834
21	-0.046546	-0.03738	-0.059886	0.012439	0.027757	-0.012891	0.078738	-0.046921	-0.021384	0.058231	-0.02607	-0.008814	-0.081083	-0.114116
22	-0.026872	-0.078948	-0.117626	-0.03746	0.028426	-0.084566	-0.065631	-0.018655	0.03928	-0.070011	-0.045873	0.095733	0.010385	-0.002
23	0.059694	0.05964	-0.064833	-0.011417	0.11496	-0.005772	-0.03277	0.040757	0.12035	0.002487	-0.080057	-0.001876	-0.064449	0.097618
24	-0.00136	-0.177279	0.041811	-0.03102	0.035735	0.008885	0.040453	-0.004598	-0.023761	0.032294	0.134125	-0.003314	0.031045	-0.037899
25	-0.088483	0.00792	-0.054684	-0.102253	0.042615	0.067051	0.054004	0.087618	-0.009231	-0.230191	0.018932	0.10406	-0.056927	0.111045
26	-0.00919	-0.006407	0.05195	-0.017063	-0.003061	0.020794	0.008517	0.015268	-0.019674	-0.014868	0.014386	0.029463	0.012816	0.044211
27	0.001272	-0.003059	-0.01603	0.032075	-0.017983	0.006869	-0.015647	-0.013053	0.001554	0.023847	0.036438	-0.01048	-0.034734	-0.097856
28	0.037723	0.004187	-0.016365	0.071885	-0.003707	-0.052782	-0.095658	0.023742	-0.020291	-0.058468	-0.116737	-0.055432	0.037586	0.049074
29	0.109403	0.136416	0.013423	-0.028471	-0.052785	-0.016971	-0.068229	0.023034	-0.005308	-0.005456	-0.023587	0.001757	-0.01634	-0.017706
30	0.051922	0.045573	0.051004	-0.050799	-0.002849	-0.049227	-0.000377	-0.009941	-0.02387	0.034451	-0.013183	-0.003205	0.042881	-0.049655
31	0.04874	-0.00827	0.043417	0.045692	0.013095	0.053079	-0.020419	-0.010279	0.064291	-0.030699	-0.046567	-0.036657	0.015024	0.036037
32	0.062095	0.161498	0.011427	-0.075199	-0.118232	0.085325	0.097463	-0.044778	-0.008481	-0.147122	-0.069289	-0.006191	-0.009445	-0.029114
33	-0.050784	-0.069884	0.027999	0.076137	-0.018089	-0.02865	-0.03023	-0.127217	0.065233	-0.06662	0.026373	-0.039087	0.034636	0.060809
34	-0.020029	-0.006753	0.006201	-0.100509	-0.004662	-0.026534	-0.077545	0.092204	-0.040278	0.16239	-0.019489	0.072309	-0.078821	-0.029972
35	0.091479	0.022836	0.01805	-0.005925	-0.009699	0.0448	0.018811	-0.071572	-0.102104	0.07349	-0.04877	0.007292	-0.033793	0.014879
36	-0.050795	0.019904	0.110404	-0.074379	0.045835	-0.048895	0.001032	0.060506	-0.021402	0.090068	-0.082015	-0.006563	-0.013154	0.060104
37	0.007388	-0.012558	-0.035395	0.042349	-0.050741	0.056014	0.090511	0.012546	-0.05732	0.028449	-0.028457	-0.041475	0.069984	-0.070956
38	-0.004986	-0.086553	-0.094297	-0.029255	-0.117708	0.108633	0.058893	0.118253	-0.091209	-0.03937	0.087771	0.044469	0.030456	-0.065372
39	0.075461	0.074209	-0.101967	-0.101045	0.055717	-0.069475	-0.025471	0.010843	-0.05467	0.11137	-0.068125	0.039222	0.042015	0.105201
40	-0.031556	-0.008553	0.004115	0.032831	-0.042637	0.037435	0.011253	-0.115373	-0.00802	-0.034014	-0.037746	0.044623	-0.072218	-0.01035
41	0.011556	0.037169	-0.042613	-0.045754	-0.009637	0.017522	0.065585	0.012226	0.080381	0.030785	0.059749	0.019102	0.040743	-0.066001

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
42	0.013892	-0.000033	-0.009196	-0.088793	0.029416	-0.01105	-0.000448	-0.100648	0.031695	-0.036361	-0.001548	-0.017285	0.061354	-0.106521
43	-0.029774	-0.04117	-0.015209	0.028985	-0.04543	0.101619	0.071926	0.01005	0.103568	0.02496	0.023983	-0.022873	-0.035413	0.173729
44	0.07089	0.004075	-0.019463	-0.029709	-0.044526	0.006536	0.004967	-0.09476	-0.023146	0.04552	-0.028005	0.034405	0.073328	-0.066839
45	0.092288	-0.037482	0.007229	0.07985	0.090971	0.02427	0.058017	-0.023694	-0.06791	0.086613	0.06927	-0.037473	-0.016522	0.051081
46	-0.109686	0.029876	-0.02964	0.077584	-0.007841	-0.048428	-0.028372	0.011899	-0.085738	-0.083999	0.00851	0.053887	-0.026633	-0.055246
47	0.068581	0.037082	0.07405	0.096547	-0.062884	0.046853	-0.027691	-0.019533	-0.078279	-0.105783	0.058331	-0.001819	0.045256	0.050821
48	0.073141	0.022445	-0.016968	0.006659	0.044039	0.046011	-0.071708	0.094761	0.052751	-0.076019	-0.064243	0.128416	0.052951	-0.009052
49	-0.047005	-0.001893	0.139889	-0.000981	0.02599	-0.030485	-0.004963	0.056348	0.010118	0.02286	-0.051119	-0.000802	0.115455	-0.115065
50	0.006142	0.001205	0.086245	-0.020406	-0.022429	0.046419	-0.061561	0.011502	0.078629	-0.000241	-0.039848	0.050514	0.060195	0.011955
51	0.082399	0.010729	-0.158151	-0.043987	0.037383	0.01754	-0.018402	-0.016351	0.012758	0.067315	0.008305	-0.013092	0.112256	-0.008229
52	-0.061911	0.018638	0.001911	-0.095874	0.023716	-0.062291	0.027794	-0.058834	0.049748	0.079168	0.154052	-0.059087	-0.052113	-0.020883
53	-0.04584	0.03914	0.013974	-0.012906	0.064046	-0.083778	-0.001277	0.048577	-0.022376	0.027426	-0.023071	-0.016686	-0.053823	0.084836
54	0.041015	0.055491	0.155785	-0.010783	0.002242	0.007796	-0.010352	-0.132299	-0.138023	-0.057555	0.05385	0.012755	0.010191	0.000895
55	0.017056	0.010932	-0.001033	-0.068081	0.040279	-0.034666	0.006197	-0.025566	-0.016891	-0.012773	0.069823	0.04074	0.005497	0.138041
56	0.075242	-0.022203	-0.021235	0.021881	-0.012338	0.021403	-0.071755	-0.008215	0.006555	-0.039076	-0.025874	0.117787	0.010894	0.184019
57	-0.00128	0.020746	-0.0317	0.022037	-0.126096	0.043878	0.056723	0.003446	0.014208	-0.027116	0.022631	-0.004466	0.024736	-0.024653
58	0.033437	-0.053051	-0.005461	0.053435	-0.076917	0.078369	0.135297	0.038769	-0.051171	0.012107	-0.076708	0.041154	-0.057581	0.041276
59	0.019053	-0.02036	0.004592	-0.029415	-0.01599	-0.025091	0.034428	0.055586	0.057276	0.046329	0.05372	-0.049778	-0.033373	0.075694
60	-0.000991	0.008673	-0.027883	-0.006015	0.053791	-0.069634	-0.044457	-0.019398	-0.037459	-0.081875	-0.051511	0.014216	0.013975	-0.058549
61	-0.011984	0.077177	-0.020544	0.088923	-0.117804	-0.027024	-0.085037	0.133286	0.042738	-0.106482	0.164455	-0.114576	-0.02139	-0.017743
62	0.003279	-0.025214	-0.068226	0.081892	-0.038647	0.028507	-0.006389	-0.018525	0.059383	-0.03341	0.025296	0.135271	0.007078	-0.038521
63	-0.013656	-0.125965	-0.017286	-0.00084	-0.017822	0.038202	-0.019847	-0.086477	-0.006406	-0.092069	-0.086518	-0.010025	-0.026794	-0.01405
64	0.046847	-0.016157	-0.023197	-0.016861	-0.061633	-0.04911	0.004691	0.030104	0.019721	0.03467	-0.012838	0.040006	-0.011323	-0.086933
65	0.075522	-0.025776	-0.0228	-0.027224	-0.095117	0.013867	-0.047695	-0.045	0.062877	0.047821	-0.026833	0.074672	-0.104597	0.066923
66	-0.052018	0.035095	0.029358	-0.03403	-0.063769	0.031636	-0.08067	0.107137	-0.054656	0.064704	-0.000996	0.009252	0.025964	-0.008888
67	-0.001219	0.012757	-0.03128	0.040451	0.151465	-0.032488	0.136161	-0.085712	0.034835	0.023358	-0.121529	0.092915	0.066226	-0.058294
68	0.01842	0.090227	0.072231	0.015638	0.005978	-0.025305	-0.067381	0.057384	0.029763	-0.066094	-0.038407	-0.030409	-0.147209	0.033172
69	0.047334	0.049362	-0.00844	0.027524	0.033548	0.035039	-0.127332	-0.108261	0.065042	0.024352	0.067851	0.035083	-0.055522	0.099229
70	-0.019871	0.019399	-0.0054	0.022455	0.006008	-0.029685	0.049701	-0.010532	-0.025894	0.003738	0.010748	0.027696	0.035726	-0.136606
71	0.049204	0.050154	-0.022722	0.034268	-0.012955	-0.024765	0.06148	0.007622	-0.013311	-0.001555	-0.046394	0.042175	0.037842	-0.00977
72	-0.012064	-0.063433	-0.010951	0.004903	-0.037508	0.026138	-0.03188	-0.044887	-0.005724	-0.001732	0.039109	0.038299	-0.004093	0.021515
73	0.084927	-0.027838	0.039841	0.044061	-0.02028	0.051316	-0.034411	0.00783	0.021908	0.095026	0.028604	0.115531	-0.023636	0.049337
74	0.060146	-0.086283	-0.031941	-0.08129	0.059202	-0.034758	-0.001102	0.042762	-0.043602	-0.033255	-0.006356	0.081702	-0.079992	-0.038648
75	0.002818	-0.009669	-0.004576	0.02896	-0.002741	-0.009838	0.031856	0.028333	-0.031035	0.012317	-0.031777	-0.011542	0.006419	0.033543
76	-0.042501	-0.009377	-0.040556	-0.027798	0.001762	-0.076986	-0.08006	-0.007822	-0.021873	0.003732	-0.045877	-0.016578	0.015124	-0.128148
77	-0.021925	-0.000399	-0.023177	0.04523	0.008581	-0.011151	0.008126	0.033885	-0.034869	0.020261	-0.02139	-0.006889	-0.001144	0.133418
78	-0.015988	-0.013033	-0.022023	0.053058	0.000957	-0.011811	0.024679	0.035254	-0.058307	0.015651	-0.032933	-0.000688	-0.004703	0.067181
79	-0.023247	-0.011751	-0.014749	0.030944	-0.008737	-0.020554	0.034344	0.017837	-0.057076	0.016486	-0.021377	-0.017302	-0.014922	-0.056504
80	-0.12819	-0.173231	0.067523	-0.017204	-0.041287	-0.0744	-0.030036	0.054221	0.063433	-0.058791	-0.01605	0.036768	0.010143	-0.044403
81	0.058538	-0.015388	-0.057967	-0.063257	-0.106168	-0.012346	0.008488	0.06256	0.102365	-0.029184	-0.067308	-0.057403	-0.01096	0.010167
82	-0.026441	0.011785	-0.03556	-0.007636	-0.009739	-0.010368	0.001551	0.032923	-0.006101	0.00117	0.037024	0.055529	0.004883	0.013605

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
83	0.006843	-0.008224	-0.012963	0.02375	-0.02822	-0.008941	-0.004561	0.013034	0.006034	0.013614	0.042121	0.011006	-0.061738	-0.016433
84	0.018706	-0.005697	-0.074555	0.008482	-0.023577	-0.029069	-0.01982	0.003296	0.023732	0.041616	0.015986	-0.014688	-0.069958	-0.028922
85	0.029491	-0.037735	-0.023034	0.067653	0.062943	-0.020058	-0.063588	-0.006763	0.162766	-0.004546	-0.013909	-0.05553	-0.048434	0.00275
86	-0.034931	0.007324	0.015007	-0.048979	-0.015524	0.031766	-0.078489	-0.052792	-0.008019	-0.016748	0.105052	-0.076055	-0.086517	-0.062129
87	-0.019798	0.059646	-0.01736	0.039019	0.071767	0.004967	0.09123	-0.045363	-0.068314	-0.011268	-0.054108	-0.00435	0.032365	0.060348
88	0.011283	0.017432	0.004248	0.02594	0.004127	-0.001068	-0.027646	-0.026351	-0.007007	0.02029	0.026619	-0.000126	-0.000808	0.038276
89	0.00891	-0.02174	-0.006782	0.034059	-0.00047	-0.028701	-0.000635	0.020619	-0.001353	0.038154	0.038691	0.011345	-0.018105	0.031421
90	0.006561	-0.035822	-0.045429	0.022885	-0.00681	-0.038778	-0.018077	0.008305	0.012107	0.006	0.029441	0.006222	-0.026429	-0.04442
91	0.000597	-0.026366	-0.048218	0.029669	0.00726	-0.025246	0.050933	0.018497	-0.01642	0.095267	0.022496	0.000422	-0.022156	0.068828
92	-0.022191	0.054205	-0.038238	0.071686	-0.027377	0.046323	0.001134	-0.07308	-0.13505	-0.034925	0.018871	-0.009452	0.040165	-0.019369
93	-0.056498	-0.070439	-0.017031	-0.042422	0.033857	-0.012125	0.044078	0.03734	-0.002838	0.015584	0.045165	-0.056244	0.040617	-0.020967
94	-0.015051	0.058605	0.096728	-0.054056	0.123151	0.107584	0.041847	0.08414	-0.027451	-0.066567	-0.002776	-0.040337	0.049466	0.037098
95	-0.0403	-0.062179	-0.035385	-0.042626	0.032962	-0.02271	-0.028975	0.079628	-0.007724	0.000737	-0.013146	0.047056	-0.035786	-0.055067
96	0.041767	-0.018769	0.031049	-0.05499	0.00601	-0.083803	0.109399	0.067961	0.079865	0.071067	-0.068441	0.01576	0.080893	0.057879
97	-0.027604	0.00071	-0.040737	0.033555	0.068898	0.045883	-0.00541	0.015662	-0.001524	0.009389	0.117574	0.010121	-0.149566	-0.026828
98	-0.014646	0.007253	0.017329	0.016512	0.001483	-0.045203	-0.001884	0.005563	-0.001702	0.053118	-0.049071	0.02263	-0.086204	0.003721
99	-0.068723	-0.056871	0.080181	0.059841	0.020392	-0.057781	-0.02358	0.092089	-0.035756	-0.107833	-0.068995	0.018654	-0.019682	0.004215
100	0.022286	0.058783	0.089021	-0.064096	-0.095092	-0.052507	0.026248	-0.016763	0.004299	0.055732	0.105267	-0.118932	-0.019207	0.047699
101	0.00723	0.021867	0.013932	0.01101	0.037924	-0.037375	-0.017441	0.058025	-0.017738	0.045818	-0.055168	0.05226	0.011763	-0.094444
102	0.016815	-0.098491	0.048633	0.090727	0.012434	-0.06131	0.032133	0.015645	-0.020709	-0.032045	0.119789	0.019603	0.123869	0.098617
103	0.033824	0.053746	-0.152454	0.05808	0.028552	0.028597	0.168098	0.031602	-0.000618	0.030938	-0.073659	-0.000443	0.053638	-0.027062
104	0.056441	0.112162	0.007072	-0.024116	-0.022844	0.046887	-0.095419	0.129469	-0.031945	-0.053696	-0.082634	-0.067733	-0.005421	-0.006133
105	-0.072235	0.002293	-0.014282	0.029711	-0.001531	-0.077444	-0.07981	-0.034075	0.056956	0.015846	-0.064952	-0.009234	-0.059983	-0.014228
106	0.008289	0.08718	0.090946	0.02139	0.039405	-0.005825	-0.035701	-0.039332	0.07466	-0.009364	-0.038392	0.088814	0.014598	-0.039837
107	-0.00309	0.016307	0.034462	-0.032406	0.101589	0.104133	0.102329	0.00659	-0.046795	0.120678	-0.004238	0.052488	-0.043183	-0.015108
108	-0.129529	-0.085298	-0.031395	-0.050362	0.03021	0.142647	-0.17747	0.082217	-0.069014	0.012039	0.055888	-0.062623	0.063412	0.049851
109	-0.027742	0.077111	0.023908	-0.007545	-0.068407	-0.040633	0.033079	0.017628	-0.017591	0.054489	-0.032922	-0.010116	-0.006569	0.011243
110	0.098003	0.064006	-0.091498	-0.121498	0.006632	0.071001	0.040405	0.032349	0.056807	-0.080199	0.015661	-0.007306	0.027298	0.002312
111	0.036779	0.045056	0.049666	0.034561	-0.015102	0.004988	0.0494	-0.03346	-0.057772	-0.068045	0.078202	0.045993	-0.096	0.111106
112	0.017706	0.036116	0.101652	-0.032308	0.044702	-0.161798	-0.000966	-0.0087	0.073147	-0.037134	0.023651	0.062884	-0.058973	-0.019391
113	0.08868	0.013446	-0.029951	0.110012	0.078318	0.009732	0.063565	-0.000371	-0.017793	-0.016598	0.037982	-0.045918	-0.057953	0.015427
114	-0.047503	0.112769	0.076298	0.020677	0.023755	0.103759	-0.071143	0.016012	0.014084	-0.011564	0.007722	-0.022803	-0.018551	0.057809
115	-0.094162	-0.006985	-0.001719	0.043197	0.009836	0.048962	0.136805	0.023028	0.065528	-0.07986	-0.016181	-0.008019	-0.028987	-0.03139
116	0.001935	-0.029847	-0.105489	0.053775	0.020453	0.014017	-0.048927	-0.068675	-0.097368	0.002336	0.010591	-0.015147	0.105728	-0.065918
117	0.010284	-0.000588	-0.027654	0.015407	-0.001473	-0.046321	-0.106346	0.053925	0.045457	0.003388	-0.070839	-0.060847	-0.055277	-0.012991
118	-0.068106	0.131003	-0.006027	0.085331	0.089353	-0.010549	-0.011284	0.011704	0.162896	-0.02356	-0.05731	0.058597	0.02991	-0.047191
119	-0.034555	-0.032883	-0.033779	-0.078813	-0.038708	0.035726	0.057004	-0.072388	0.053141	0.028332	0.03599	-0.176107	-0.05867	-0.005568
120	0.03604	-0.046559	-0.084907	0.00118	0.082995	0.09036	0.008206	-0.043845	0.021163	0.052835	0.073902	0.019915	0.084354	-0.004809
121	-0.060786	0.103249	0.092713	-0.078443	-0.013938	-0.00637	0.032562	-0.087757	0.142596	0.027172	-0.035318	-0.086129	-0.00907	-0.037743
122	-0.045555	0.005214	0.067308	-0.04732	0.061869	-0.011368	-0.019419	-0.085022	-0.054043	0.04434	0.018071	-0.037247	-0.037433	0.078034
123	0.094276	0.070744	-0.062201	-0.075668	0.024437	0.000029	-0.024842	0.057909	-0.012155	-0.012714	-0.037357	-0.01034	0.076784	-0.061081

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
124	0.007852	0.03919	0.051714	-0.030327	-0.034037	0.021183	-0.021715	0.022733	0.051984	-0.089355	0.026782	-0.08241	0.075025	0.063629
125	-0.021854	0.018792	-0.039589	0.05018	0.161796	0.002145	-0.11242	0.031711	-0.107465	-0.002229	0.011533	-0.041781	0.077124	0.018509
126	-0.001528	-0.030623	0.029453	-0.05109	-0.007915	0.000525	0.061323	0.020102	-0.071164	-0.023981	0.006044	0.00057	0.000728	0.037482
127	-0.007358	-0.015855	0.041393	0.019621	-0.020916	-0.005834	0.094832	0.055828	-0.025697	0.008764	0.067187	0.023819	0.005467	-0.03026
128	0.03797	0.078761	0.078018	0.16324	0.002202	0.108289	0.080739	-0.08424	-0.083963	0.028572	0.042994	-0.032656	-0.025623	0.024674
129	0.068099	-0.024871	-0.015307	0.038651	-0.034942	0.078825	0.000974	-0.001639	-0.017118	0.057912	0.012539	-0.033279	-0.046064	0.019103
130	-0.041117	0.005732	0.035934	-0.127593	0.04423	0.011986	-0.003785	-0.00413	0.066196	0.035017	0.129396	0.054885	-0.057608	-0.03376
131	0.015714	-0.069632	0.113481	0.027253	-0.092155	0.011221	0.037241	0.001705	-0.142041	0.009675	-0.10999	-0.034424	-0.070296	0.026132
132	0.219928	0.016069	-0.013964	0.011072	0.020203	-0.018666	0.02698	-0.062851	-0.05759	-0.04985	0.025482	0.075446	-0.041205	-0.031447
133	0.058136	0.038206	0.068573	-0.067744	-0.047	0.026309	0.012517	-0.007818	0.05015	-0.003187	0.028053	0.119551	0.047789	0.018011
134	0.028683	-0.060371	0.078634	-0.054709	-0.002523	0.070813	-0.045081	-0.119414	-0.023418	-0.041494	-0.016066	0.065058	-0.011304	-0.003748
135	0.017814	-0.007817	0.064468	-0.10778	0.011758	-0.000933	-0.011557	-0.092356	0.043865	0.038562	-0.11837	-0.141474	0.067602	-0.006819
136	0.098723	-0.001313	0.084095	-0.052032	-0.08319	-0.049125	0.03577	0.000807	-0.048431	0.084211	-0.078265	0.140706	0.140065	-0.037603
137	0.063596	-0.049947	-0.02573	-0.041135	0.006324	-0.017611	0.054404	0.024382	-0.105294	-0.078645	-0.021271	-0.029878	-0.027899	0.055159
138	0.016923	0.009369	-0.025825	-0.058013	0.007442	0.020553	-0.013841	0.043881	0.067595	-0.048097	-0.031463	-0.001394	0.10315	-0.02316
139	-0.125594	0.103266	-0.050147	-0.091276	-0.008026	0.061029	0.07645	0.028146	0.021048	0.00856	-0.057985	-0.080895	0.013429	-0.036984
140	-0.018728	0.092411	0.005199	0.070375	0.034526	0.044747	0.061217	0.07753	0.005107	0.011856	-0.013678	-0.04821	0.02138	-0.04743
141	0.032183	-0.103802	-0.010059	0.041437	-0.047816	0.105993	0.032076	0.107176	-0.012035	-0.025178	0.042607	0.076336	-0.061269	0.020817
142	-0.126916	0.096965	-0.034919	0.054709	-0.101024	-0.190862	0.038037	0.037072	0.031048	0.01801	0.146018	0.084305	0.030982	0.046571
143	-0.017873	-0.036788	0.094652	0.034281	-0.001745	-0.086812	0.066126	-0.126854	-0.023021	0.018755	-0.006424	0.077283	-0.005114	-0.05158
144	0.014038	0.000083	-0.104164	0.056155	0.045388	-0.064351	-0.098968	-0.079511	-0.012763	-0.023215	-0.018967	-0.016832	-0.015342	0.028183
145	-0.002075	-0.051253	-0.02259	-0.098951	0.031384	0.082087	-0.050283	0.014763	0.021199	-0.061844	-0.023576	-0.017443	-0.0352	0.014645
146	0.001182	0.0014	-0.094592	0.000942	-0.110106	0.021213	-0.025282	-0.017758	0.030546	0.050623	0.036312	0.000442	-0.119285	0.033638
147	-0.005843	0.067691	-0.064545	-0.052604	0.058482	-0.023954	0.067044	-0.016695	-0.105579	-0.024384	0.006388	0.014239	0.021305	0.028981
148	-0.015936	-0.095987	-0.017313	-0.082758	-0.007939	-0.048509	-0.017533	-0.040419	-0.014045	-0.071935	-0.051349	0.069726	0.012773	0.016318
149	-0.003492	0.032319	0.066278	0.042964	0.041245	-0.00507	-0.037381	0.140071	0.005295	-0.029904	0.056431	-0.043938	-0.003034	-0.010416
150	0.001386	-0.070108	0.145624	-0.044593	-0.01843	-0.004253	0.087601	0.107856	-0.003802	0.012623	-0.074711	-0.117931	-0.047434	0.059789
151	0.048285	0.008226	0.012628	0.021473	-0.05994	-0.06468	-0.055337	0.063494	0.028785	0.063257	0.087394	-0.035193	-0.069392	-0.011086
152	-0.104523	0.09917	0.05186	0.025433	0.004655	0.06833	0.080929	0.128094	-0.029302	0.025841	-0.00775	-0.035439	0.111504	-0.069076
153	0.061652	-0.060072	0.003376	0.091572	0.026555	0.069029	-0.113243	0.08816	-0.04111	-0.01846	-0.072398	0.000288	-0.032753	0.052551
154	0.044175	0.027165	-0.056062	-0.09356	0.135747	-0.034248	0.05488	0.081945	-0.043971	-0.152036	0.03456	-0.005885	-0.058147	-0.041984
155	0.024766	0.037106	0.072467	-0.04209	0.064735	-0.170875	-0.048087	0.003282	0.009504	0.00371	0.005408	0.089726	-0.037197	-0.052056
156	-0.04258	0.046874	-0.031779	0.068631	0.032485	-0.034391	-0.089941	0.010201	0.044553	0.016204	-0.045085	0.009848	0.065302	-0.014118
157	-0.094849	0.150502	-0.071257	-0.00947	-0.085422	-0.010397	-0.100683	-0.052272	-0.12093	-0.049015	-0.017241	-0.043342	-0.07941	0.005586
158	-0.048739	-0.033293	0.013854	0.04114	-0.045767	0.01413	0.038077	-0.027204	0.03096	0.104333	-0.038519	0.019511	-0.009713	-0.002755
159	0.038806	-0.010202	-0.012543	0.003886	0.000551	0.003229	0.030241	0.009116	-0.033938	0.033749	0.072515	0.086114	0.003787	0.047809
160	-0.032737	-0.040256	-0.07818	0.005834	0.0382	0.019845	-0.042494	0.004278	-0.052627	0.05034	0.086723	-0.0213	-0.07191	-0.011932
161	0.01173	-0.0603	-0.014303	0.061337	-0.007742	-0.035972	0.080841	-0.075992	0.119041	0.009527	-0.027647	-0.07024	0.022695	0.018507
162	-0.067434	0.154859	-0.045512	0.031793	0.016437	-0.013213	-0.009475	-0.049563	0.073196	0.073803	0.002945	0.075132	-0.011949	0.014447
163	-0.113552	0.043588	-0.032688	-0.056486	-0.024601	0.098835	-0.063475	-0.010272	-0.054105	0.025592	-0.062994	0.117501	0.008544	0.01377
164	-0.008754	-0.082492	-0.013173	0.026504	-0.004686	-0.000896	0.013468	-0.108458	0.085902	0.065334	0.012108	0.036853	-0.030598	0.002961

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
165	0.003146	-0.043498	-0.070807	-0.032584	0.079344	0.123623	-0.025679	0.057363	0.063877	-0.055985	0.010049	0.002774	0.030043	0.033891
166	0.086105	0.059637	0.106869	0.041687	-0.007374	-0.048405	0.056017	0.023365	-0.073056	-0.032793	-0.009138	-0.055886	-0.021092	-0.036104
167	0.073137	-0.110083	-0.062247	0.033729	-0.002746	-0.059924	0.112036	-0.024339	0.042874	-0.005316	0.052134	-0.079784	-0.002906	-0.006718
168	0.000242	-0.00528	0.031134	-0.101881	-0.018679	0.030861	0.012674	-0.0359	-0.029257	-0.088524	-0.019379	-0.007156	-0.011202	0.029048
169	-0.013057	0.001912	-0.029684	-0.000823	-0.019552	0.041339	-0.000615	-0.032284	0.018685	-0.009337	0.011786	-0.048543	0.068316	0.042853
170	0.02136	-0.013791	0.006796	0.036615	0.126338	0.086732	0.001147	-0.010236	0.030115	-0.059781	0.087223	-0.091661	0.065073	-0.007443
171	-0.006593	0.041678	-0.012657	-0.027124	-0.05654	0.056267	-0.034944	0.022235	-0.018877	0.033833	0.049499	-0.027454	0.019585	0.011851
172	-0.003926	-0.066281	-0.046676	-0.003142	-0.068217	-0.146819	-0.026018	-0.015077	0.009091	-0.021733	-0.042417	-0.070094	0.04738	0.02672
173	0.009859	-0.098804	0.020661	-0.001703	0.008202	-0.050814	-0.039461	-0.029251	-0.067443	-0.059204	-0.094031	-0.038386	-0.028555	0.016614
174	0.101819	-0.074268	0.033466	0.029442	-0.031322	-0.114395	-0.039686	0.07795	-0.068456	0.130102	-0.00943	0.013025	0.027717	0.077976
175	-0.021944	0.109041	0.001641	0.009165	-0.035797	0.012423	0.01929	0.061878	0.005186	-0.007405	0.051427	0.044978	0.031419	0.010453
176	-0.009453	-0.013723	0.026344	-0.000019	-0.043598	0.0445	0.050457	0.029737	0.016364	0.075957	0.068193	0.092135	-0.033566	-0.00434
177	0.089861	-0.009212	0.057561	-0.049058	0.160868	-0.007063	0.042743	-0.00698	-0.021482	-0.067964	0.044074	-0.060347	-0.049687	0.012052
178	-0.010095	0.123023	-0.006688	0.027693	0.041965	0.03489	-0.008288	-0.066397	0.022421	0.056685	0.046047	-0.067748	0.057119	-0.000411
179	0.045252	0.028298	-0.051764	0.001842	-0.040703	-0.001996	0.08058	0.048815	-0.00555	0.002453	0.117405	0.036938	0.035174	-0.013169
180	-0.062764	0.061267	-0.03094	0.046008	0.064981	0.031009	0.033908	0.010534	-0.01084	0.01254	-0.005474	0.001525	0.01854	0.07725
181	-0.00297	0.012478	-0.007118	0.037696	0.02384	0.044629	-0.015927	0.008816	-0.04999	0.045672	-0.007631	-0.040457	-0.079516	0.023295
182	0.092102	0.074755	-0.07836	-0.011671	0.111133	-0.034094	-0.007084	-0.062017	-0.021069	0.003515	0.04327	-0.102087	-0.088346	0.065984
183	0.095306	0.0361	0.004493	-0.043758	0.05086	0.062898	0.024608	-0.032476	-0.004947	-0.043934	0.024887	0.033906	-0.038275	0.016033
184	0.024268	0.04601	0.102261	0.158361	0.01826	0.051585	-0.106183	-0.062718	0.048368	0.020218	0.017436	-0.012365	0.027108	-0.024722
185	0.038384	0.021833	0.036896	-0.043176	-0.027687	-0.02655	0.055599	-0.032299	-0.072617	0.058492	-0.035143	-0.086761	-0.033535	-0.002295
186	-0.08368	-0.03406	-0.048628	-0.082063	-0.058843	0.09704	-0.00343	-0.038921	-0.052422	0.079415	-0.114605	0.105343	0.06582	-0.008581
187	-0.016435	-0.040756	-0.023343	-0.050489	0.11244	-0.004061	-0.042532	-0.066692	-0.088332	0.048374	-0.044119	-0.031941	0.025274	-0.062337
188	-0.009149	-0.024344	0.022814	-0.02974	0.010661	0.020174	0.002846	0.00468	0.040056	0.041955	0.008407	-0.050508	-0.041444	-0.033566
189	-0.041697	-0.018353	-0.022358	-0.055698	-0.118355	0.05887	-0.00389	-0.013706	0.045709	-0.035283	0.006686	0.141147	-0.087991	-0.002701
190	-0.027841	0.104036	0.056351	-0.021094	0.090797	0.044463	-0.031961	-0.008867	-0.03058	-0.101832	-0.01004	0.174314	-0.086501	-0.02365
191	-0.022614	0.022723	0.030272	0.037261	0.005928	-0.1466	-0.033741	0.015398	-0.012494	-0.047241	-0.039497	-0.11107	0.007334	0.005425
192	0.104845	-0.0255	-0.128021	0.051689	0.013468	-0.064358	-0.118653	-0.050161	0.1077	-0.081712	-0.133657	0.026166	-0.036287	-0.043826
193	0.11223	0.100951	-0.057494	0.009791	0.021918	-0.053009	-0.028988	0.128063	-0.068087	-0.02165	0.152568	-0.053249	0.072917	-0.032632
194	-0.023486	0.029763	0.147163	-0.002012	-0.028509	0.095921	0.009471	0.05799	0.066508	-0.032922	0.051962	-0.037286	0.038817	0.029386
195	0.069275	-0.045428	0.034812	-0.044264	0.089155	0.008164	-0.003703	-0.001326	0.015271	-0.100226	-0.034252	-0.016062	0.002269	0.013412
196	-0.060336	0.008119	0.078984	0.079955	-0.033112	-0.057849	0.022496	-0.124898	-0.009278	-0.047714	0.063037	-0.004201	0.051639	0.045952
197	0.006319	-0.112928	-0.043696	0.085383	-0.02037	0.033593	-0.064237	0.087867	0.00844	0.033354	0.017507	-0.014852	-0.036261	0.006916
198	0.001963	-0.063577	-0.052179	0.056569	-0.016858	-0.045654	-0.060016	0.026008	0.06075	0.025986	0.014013	0.045977	-0.01543	-0.046029
199	-0.012656	-0.028674	-0.057926	0.086556	0.032789	-0.019137	-0.018173	-0.112626	-0.004769	-0.079426	-0.000793	-0.022113	-0.040053	-0.062733
200	-0.009817	-0.027239	0.058185	-0.056185	0.067617	0.025007	0.009227	0.050645	-0.1098	-0.008285	0.048352	0.059231	0.096007	-0.08694
201	0.033359	0.007205	0.070935	-0.006169	-0.015286	-0.013299	0.020798	-0.013011	0.061686	0.038814	0.079058	0.014447	-0.024193	-0.018602
202	0.076306	0.04223	-0.041544	0.045858	-0.038936	-0.032117	0.013432	-0.060735	-0.102916	0.037836	0.003643	0.073907	0.030669	0.054191
203	-0.110299	-0.012934	0.049833	0.010794	0.020453	-0.069916	0.024437	0.062554	0.044461	-0.019708	0.033792	0.014808	0.018076	0.010932
204	-0.001475	-0.044981	0.052313	-0.02736	0.016852	0.060209	-0.0549	-0.02843	-0.051254	0.048976	-0.008575	0.095092	0.016758	-0.066619
205	-0.03422	-0.044892	0.019367	-0.027405	0.019835	0.020455	-0.076356	-0.029289	-0.027906	0.046759	0.039422	-0.028053	0.004999	-0.006388

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
206	0.045434	0.045513	-0.002487	0.114402	0.061294	-0.067312	-0.003828	0.037186	-0.032766	0.029585	0.03606	-0.013076	0.050331	-0.007678
207	-0.073458	0.00388	-0.033027	-0.024339	-0.011722	-0.034107	-0.044584	-0.000057	-0.01744	0.012474	0.014528	0.044031	-0.044491	0.003913
208	-0.021349	0.043268	-0.045024	-0.017552	-0.035366	0.097937	-0.030836	-0.027961	0.004248	0.007432	-0.013473	0.069268	-0.119291	-0.006207
209	-0.027696	0.025739	-0.040949	0.028915	-0.098541	-0.019923	-0.017259	0.026956	-0.030494	0.013226	-0.020316	-0.062568	-0.059147	0.020583
210	-0.061713	0.086459	0.061769	0.070189	-0.016166	0.014016	0.062709	-0.047922	0.161801	-0.00159	0.027642	0.015822	-0.06836	0.039785
211	-0.024989	-0.008978	-0.020697	-0.06937	0.013613	0.012041	-0.060565	-0.011528	-0.037735	0.038616	0.06355	0.03062	0.090682	-0.013822
212	0.092133	-0.005885	0.004254	-0.035431	-0.097483	0.007889	0.032333	-0.101086	-0.019838	-0.020836	0.072445	-0.025263	-0.011601	-0.021534
213	-0.020207	0.004938	-0.028894	-0.036881	0.011007	-0.033918	-0.078376	-0.025723	-0.028629	0.045189	-0.024951	0.015251	0.072357	-0.019087
214	-0.012388	-0.0117	-0.097595	0.005093	-0.091439	-0.030266	0.113752	0.040362	0.093286	-0.001212	0.036027	0.052039	0.082077	-0.030225
215	0.052681	-0.188281	0.027534	-0.023862	0.026744	-0.044016	-0.082226	-0.021791	-0.095306	-0.132292	0.076407	0.049226	-0.103118	0.023356
216	-0.003981	0.04882	0.063105	0.003091	-0.051271	0.041066	0.003293	0.027288	-0.024515	0.025735	-0.096003	-0.027624	-0.082322	-0.049273
217	-0.044796	0.041779	-0.004548	-0.026277	0.006876	-0.015317	0.022961	0.002289	0.017352	-0.050557	0.056052	0.06406	-0.001026	0.09749
218	0.035036	-0.021116	-0.018709	0.064954	0.029271	0.037567	0.014939	0.066275	0.104348	0.021614	-0.121627	-0.033895	-0.047027	0.045271
219	0.03909	-0.040665	0.032161	0.078444	-0.001399	-0.02319	0.022346	0.021128	0.089585	0.05394	-0.048346	-0.024897	-0.035337	-0.043213
220	-0.056912	0.015158	-0.090653	0.007169	0.006496	-0.052055	0.006192	0.019499	-0.093761	0.006169	0.036635	0.029545	0.070177	0.025752
221	0.016785	-0.070025	0.002113	-0.011893	-0.011522	-0.063386	0.098008	0.03051	0.054473	-0.072834	-0.076212	-0.022633	-0.020166	-0.043261
222	-0.002417	0.040888	0.095439	-0.05563	0.001761	0.018393	0.05883	-0.011971	-0.017953	-0.011286	-0.033077	0.006009	-0.04244	-0.079115
223	0.041609	0.021163	0.019399	0.041103	0.050988	0.01585	0.025377	0.064514	0.029995	0.052077	0.07526	0.062514	-0.045145	-0.020697
224	-0.065499	-0.016697	0.017188	0.058953	-0.015307	-0.026461	-0.043182	0.009306	0.032275	0.002638	-0.046	-0.036798	0.016107	0.023923
225	-0.050524	-0.006569	0.029751	0.046122	-0.027483	-0.042335	-0.050082	-0.03275	0.017181	0.012692	-0.068385	-0.027285	-0.032697	-0.024387
226	0.040151	-0.011362	0.006831	-0.014486	0.033061	0.085988	-0.026811	-0.034435	-0.008023	-0.001458	-0.005319	-0.006954	-0.137849	-0.067021
227	-0.063754	0.000635	-0.05769	-0.14303	-0.008917	-0.05692	0.075663	-0.006836	0.088018	-0.021715	0.099183	0.098818	0.054896	-0.03017
228	0.121179	0.030194	-0.03957	-0.048746	0.022973	0.089533	0.025259	-0.015149	0.079443	0.044094	-0.017056	-0.086545	0.063492	0.020329
229	-0.061516	0.009337	0.000041	-0.036573	-0.05913	-0.06503	-0.013788	-0.031207	-0.013261	0.07664	0.045651	-0.135598	-0.016304	0.022606
230	0.030195	-0.011536	0.012513	0.010012	-0.008107	0.097452	0.002186	-0.022256	-0.074293	-0.044993	-0.03124	-0.016597	-0.027428	-0.004531
231	0.003608	0.071645	-0.066905	-0.022591	-0.155256	0.060184	0.061998	-0.032557	-0.095264	-0.039206	-0.051963	-0.040074	-0.047314	0.002356
232	0.003688	0.035858	-0.010974	0.085662	-0.052034	-0.166326	0.14387	0.075452	-0.049933	-0.078113	-0.036523	-0.050678	0.071508	-0.005537
233	0.061011	0.018319	-0.029994	-0.027577	-0.12906	0.006544	-0.073065	0.050181	0.059523	-0.09537	0.041381	-0.063163	0.074926	-0.051003
234	-0.051841	-0.000325	0.053853	-0.034249	-0.079213	0.017774	-0.0728	-0.024526	0.081383	0.031907	0.062391	0.051354	-0.066188	-0.001353
235	-0.122103	-0.055245	0.007065	-0.030361	-0.001213	-0.101742	0.041195	-0.073946	-0.159846	-0.079139	-0.008194	0.001785	0.079904	0.0464
236	0.024437	0.021313	-0.07064	-0.036225	0.0087	0.090851	0.009305	-0.060942	-0.000233	-0.075095	0.01851	0.048052	0.053969	0.043515
237	0.019546	0.020346	-0.003427	0.069762	-0.03937	0.062214	-0.090128	0.088065	-0.051548	0.062397	0.056158	0.072882	0.02682	-0.024876
238	0.01837	-0.026366	-0.015272	-0.043181	0.052418	-0.08639	-0.033009	0.039978	0.014898	0.000017	0.032219	0.027071	-0.029209	-0.075565
239	-0.030384	-0.006209	-0.010119	-0.122351	-0.016198	-0.070046	-0.008424	0.004716	-0.018846	-0.022064	0.011761	-0.078613	-0.074178	-0.000123
240	0.041543	0.046072	-0.053495	-0.076619	-0.029974	-0.032658	-0.007314	0.018601	-0.008559	0.009326	0.021808	0.007189	-0.032482	-0.020482
241	-0.074098	0.005551	0.03941	-0.122728	-0.036673	-0.007135	-0.039407	0.016102	0.011766	0.058503	0.031543	-0.004107	0.061339	0.001506
242	0.018473	0.075892	-0.009392	-0.053952	0.066294	-0.046547	-0.01776	-0.053616	-0.026013	-0.066036	-0.055844	0.051744	0.01723	0.026328
243	-0.010459	-0.05399	0.053883	0.065457	0.062056	0.058095	-0.054783	0.028069	-0.008421	0.078709	0.022353	0.0716	0.045183	0.006605
244	-0.01437	0.037043	-0.023511	0.048825	-0.004719	0.033169	0.050082	-0.069739	0.000856	-0.051164	0.017254	-0.064405	0.041923	0.028978
245	-0.104542	-0.042697	-0.068591	0.039409	-0.058255	0.032338	0.127587	-0.002912	0.006158	-0.075619	-0.034354	-0.04003	-0.086326	-0.010875
246	-0.006099	0.05684	-0.021568	-0.001511	0.010644	-0.031898	-0.00618	-0.015363	-0.017081	0.063932	0.034625	-0.019082	0.032065	0.048785

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
247	0.024597	0.025202	0.026241	-0.055997	0.038685	0.040569	-0.009824	-0.015072	0.071398	0.009978	0.039513	-0.013934	0.046981	0.011966
248	0.035663	-0.062246	-0.001483	-0.005699	0.045375	0.016992	0.034684	0.05723	-0.029942	0.014349	-0.029825	-0.052741	-0.149295	-0.00798
249	0.027825	-0.000993	0.032029	-0.002288	-0.001113	0.013979	0.107114	-0.020199	-0.044644	0.122322	0.076559	0.057956	-0.069852	0.001409
250	0.009381	0.052544	0.017678	-0.023943	-0.004055	-0.040776	-0.054342	-0.098112	0.012275	-0.029991	0.025065	-0.038758	0.170426	0.097713
251	0.002585	0.052898	0.032777	0.049311	0.015073	-0.013861	0.052312	0.000023	-0.033264	-0.037095	0.045918	0.023348	-0.003442	0.053807
252	0.00377	-0.050899	-0.049854	0.025681	0.075848	0.093606	-0.017497	0.081986	0.016348	0.07864	-0.035077	0.001173	-0.05733	-0.003488
253	0.011078	-0.011549	-0.04432	0.069364	-0.044675	0.060502	-0.088773	0.005219	0.00302	-0.046252	0.034585	-0.062662	0.053244	0.009504
254	0.088418	0.088974	0.055385	0.006385	-0.015337	-0.091495	-0.125967	0.10274	-0.029288	-0.003458	0.019095	0.023069	-0.023098	-0.110203
255	0.088952	0.026827	-0.010157	-0.077148	0.035867	0.007917	-0.041016	-0.002846	0.00362	0.021062	-0.012144	-0.105089	0.035052	-0.007604
256	-0.014332	-0.038449	0.037299	0.01392	0.067882	0.012178	0.016638	-0.057155	0.070696	0.135436	0.035723	-0.030847	0.011069	-0.025701
257	0.004311	-0.00971	-0.001536	0.023094	-0.041763	-0.012291	-0.032835	-0.01838	0.036728	-0.031151	0.011556	-0.016071	0.067484	-0.104133
258	0.012256	0.04673	-0.006536	-0.124877	0.01359	-0.017879	-0.075706	0.051926	-0.035728	-0.006136	-0.033128	-0.014553	-0.053479	-0.011549
259	0.041434	-0.038199	-0.006065	-0.013118	0.012406	0.065271	0.029605	-0.007403	0.070195	-0.009161	-0.008292	-0.007524	-0.069574	-0.024677
260	-0.014268	-0.112141	0.019611	0.041617	-0.10988	0.045188	-0.085731	0.050493	0.044635	-0.075938	-0.078843	-0.036111	0.071909	-0.001806
261	0.013662	-0.036055	-0.017529	0.134192	0.039189	-0.081465	0.007681	0.042936	0.036503	0.025417	0.002339	0.053257	-0.070985	-0.008919
262	0.01946	0.065013	-0.060228	-0.024402	-0.009927	-0.032999	0.02267	0.034221	-0.012399	0.004712	0.027561	-0.04561	0.008456	-0.122939
263	0.053854	0.018894	-0.014145	-0.003619	-0.084814	-0.050873	0.002719	0.032914	-0.01437	0.049655	-0.010739	-0.078574	-0.087991	-0.06195
264	-0.132218	-0.033749	0.013886	-0.033851	-0.078365	0.002221	-0.016151	-0.095195	-0.004473	-0.019924	0.06502	-0.034451	-0.10466	0.026475
265	-0.068468	-0.00337	-0.014562	-0.074575	-0.00843	-0.01333	-0.057116	0.056224	-0.062508	-0.068548	0.04608	-0.008785	0.062853	0.056368
266	-0.054179	-0.030968	0.027302	0.028615	-0.026505	0.020564	0.013759	-0.085893	0.024864	0.062231	-0.051227	-0.011642	0.048756	0.031965
267	-0.074213	0.098244	-0.073449	0.069399	-0.034299	-0.009787	-0.069717	0.03313	-0.030923	0.034811	-0.023519	0.00838	-0.000207	0.045252
268	0.010287	0.019522	0.084398	-0.028727	-0.006493	0.046657	-0.030028	-0.012527	-0.025931	-0.032047	-0.02284	-0.006616	-0.038835	-0.040295
269	-0.039433	-0.021824	0.048323	-0.006961	0.051928	0.061346	0.033595	-0.007072	-0.050976	0.003084	-0.053231	0.006774	-0.013456	-0.061529
270	0.005731	0.007801	0.020488	-0.038794	0.062783	0.017788	0.017751	0.060366	0.024676	0.009763	-0.059758	-0.030659	-0.046622	0.091859
271	-0.014548	0.070199	0.031838	-0.046693	0.048653	-0.080731	-0.000661	0.000762	-0.004571	-0.067015	0.026943	-0.037478	-0.022639	0.087457
272	0.050152	-0.00022	-0.02878	-0.033929	0.034863	-0.087351	-0.059976	0.028918	0.016798	0.010028	0.04969	0.038603	-0.01976	0.019211
273	0.094777	0.002718	0.054693	0.020747	-0.018145	0.015275	-0.02533	-0.026931	0.03715	-0.037276	-0.002763	0.106184	-0.017679	-0.03975
274	0.073541	-0.015022	0.050177	0.027173	-0.001539	-0.01068	-0.00324	-0.044975	0.045402	0.008477	-0.007067	0.090628	-0.01995	-0.00024
275	-0.030779	-0.031831	-0.019914	0.069111	0.061096	-0.034686	0.014854	-0.001543	0.054332	0.025549	0.100194	0.01755	0.008651	-0.032268
276	-0.044699	0.042013	-0.016545	0.008289	-0.015555	0.036091	0.075042	-0.040746	0.024442	0.004355	-0.052544	0.047556	0.013998	-0.076277
277	-0.012749	-0.044178	-0.000594	0.012903	0.040227	-0.023872	0.027081	-0.028502	-0.010345	0.007857	-0.060665	0.008994	0.053445	0.081209
278	0.052917	-0.025529	-0.071985	-0.075835	-0.044093	-0.025577	-0.050787	0.006244	0.003699	0.012281	-0.005017	0.009237	-0.026708	0.034442
279	-0.052961	-0.045807	-0.028625	-0.04582	0.016591	-0.053837	0.010989	0.09742	0.014971	-0.003738	-0.050278	-0.074463	-0.091827	0.009376
280	0.046335	-0.039685	0.06184	-0.051956	-0.027878	0.020873	0.015577	-0.079969	0.044332	-0.02139	0.037006	0.042708	-0.032647	-0.043601
281	-0.045335	-0.047352	0.021146	0.004368	-0.003521	-0.020992	0.043827	-0.029443	-0.044671	0.036837	-0.013001	-0.047733	-0.029335	0.04651
282	0.018134	0.025187	0.000497	0.011401	0.018686	0.00349	0.016927	-0.053549	-0.04368	-0.01531	-0.032463	0.052603	0.009263	-0.037263
283	0.011581	0.031287	-0.031707	0.006517	-0.041625	0.001923	0.04564	0.065232	0.055638	0.080401	0.019073	0.014814	0.030879	0.080121
284	-0.057045	-0.045133	-0.001988	0.013611	-0.050376	-0.074177	0.007354	-0.051445	0.050661	-0.016903	0.027957	0.008666	0.101455	0.036032
285	-0.013953	-0.05103	0.017082	0.071584	-0.02287	-0.026082	-0.007384	-0.082056	0.032817	-0.000085	-0.006349	0.054631	0.086251	0.171089
286	-0.022615	0.02292	-0.036138	-0.00506	-0.027048	-0.052834	-0.026587	0.011936	-0.020093	-0.042791	-0.047633	-0.012686	-0.01529	0.025603
287	-0.040383	0.044741	-0.032467	0.004221	-0.016365	-0.014064	0.030728	0.004512	0.028247	0.046853	0.026787	0.044474	-0.011054	0.029375

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
288	0.056567	-0.017189	-0.013689	-0.11828	-0.040024	-0.043244	-0.070391	-0.065147	-0.03658	0.097273	-0.071021	0.025044	-0.000735	-0.032383
289	0.025903	0.078308	0.022194	-0.021772	0.048372	-0.015083	0.018282	-0.032747	-0.001865	-0.00211	-0.024916	-0.035602	0.040513	0.014634
290	-0.016213	0.025886	-0.015373	0.056756	-0.031071	0.043612	0.025259	0.038619	-0.017598	-0.007184	-0.043852	0.042073	-0.026047	-0.045886
291	-0.023772	0.042491	-0.01694	0.032183	-0.047497	0.019867	0.035214	0.009144	-0.015864	0.007546	-0.046347	0.009743	-0.032233	-0.025576
292	-0.086592	0.052723	-0.007153	0.048216	0.055793	0.01981	0.053454	-0.004371	-0.026603	-0.032941	-0.026095	-0.039259	0.041581	0.099513
293	0.031641	0.026733	-0.006975	-0.030039	0.050842	0.056184	-0.108099	-0.01875	-0.003044	-0.030868	0.02094	-0.05354	0.074043	-0.021907
294	-0.04952	-0.002012	0.083772	0.012926	0.02613	0.014582	-0.036894	-0.042011	-0.065431	0.083887	-0.051024	-0.041363	0.026252	0.007253
295	0.029693	0.002633	-0.047591	0.002965	-0.04481	0.04397	-0.000749	0.054001	0.0477	0.068444	-0.059155	-0.017387	-0.022427	-0.019153
296	-0.081499	0.056051	-0.048096	0.001531	0.028982	0.015935	-0.050568	0.005363	-0.096009	0.074626	-0.033319	-0.005191	-0.066262	0.00841
297	-0.058858	0.066603	-0.040315	-0.023891	-0.104829	0.046885	0.049947	0.039716	0.016857	0.046517	-0.04128	0.075585	-0.033651	0.121236
298	-0.031339	0.047815	-0.065037	-0.159635	-0.169837	-0.004381	-0.023865	-0.076477	0.021755	-0.119091	0.045569	-0.027537	-0.068565	0.021778
299	0.056707	0.03833	0.053187	0.025296	-0.092685	0.026142	-0.074736	0.023548	-0.011955	-0.09911	0.042518	-0.006314	0.081756	-0.019789
300	-0.118267	0.011191	0.0675	-0.054354	0.027961	0.0253	-0.03939	0.048345	0.001209	0.042052	-0.083137	-0.026539	-0.027357	0.003043
301	-0.034841	-0.063739	-0.022722	-0.003513	-0.073711	0.004107	-0.014377	-0.038213	-0.136455	0.053025	0.017465	0.006655	0.050465	0.04342
302	-0.00353	-0.095363	0.019653	-0.102969	0.038454	-0.0443	0.068042	-0.056136	-0.052978	-0.045655	0.034238	-0.04898	0.005039	-0.036869
303	0.022714	-0.045463	-0.050684	-0.011369	0.022497	0.034266	0.06271	-0.059527	-0.030591	-0.022462	0.051182	0.008791	0.060171	-0.053886
304	0.09396	-0.000912	-0.008346	0.022412	0.035431	0.025428	0.076407	-0.095325	-0.04146	-0.000767	0.137711	-0.079814	-0.01727	0.095917
305	-0.072696	0.034631	0.042517	0.095984	0.059282	0.016667	0.082232	-0.019969	0.074741	-0.000988	-0.017036	-0.00643	-0.024798	-0.084103
306	-0.02435	0.010885	0.071589	-0.056543	0.024047	-0.11683	0.057014	-0.002559	0.033058	-0.033153	0.099098	-0.056063	-0.020636	0.032825
307	0.019858	0.026311	-0.000447	-0.018043	-0.063528	-0.026308	0.050316	-0.00534	0.047501	-0.000021	-0.051102	0.016066	-0.029061	-0.005349
308	0.00371	-0.052885	0.017566	0.005961	-0.015838	-0.03799	-0.039084	-0.046714	0.007336	-0.007142	-0.012438	0.0215	-0.012223	-0.001481
309	0.041957	0.021472	-0.061524	-0.026793	0.054275	0.068839	0.000069	0.055503	0.045618	0.057577	0.000085	0.039792	0.003844	-0.036874
310	0.146453	-0.050434	0.014761	0.103444	0.069622	-0.068479	0.013096	0.058635	0.024082	-0.050229	-0.062081	-0.030228	0.018937	-0.039031
311	-0.013512	0.043673	0.036421	0.029447	-0.018484	0.090931	0.030164	0.071225	0.055457	-0.049312	0.026226	-0.02856	-0.043225	-0.065014
312	-0.028168	0.027786	-0.00752	0.007234	0.037198	-0.01186	-0.073116	0.019048	-0.000758	-0.11553	0.084977	-0.00641	0.022635	0.015215
313	-0.04834	-0.085553	0.028316	0.004841	0.101039	0.064664	-0.056766	-0.030113	0.00034	-0.012448	-0.01985	-0.126584	-0.030415	-0.025389
314	-0.130356	-0.071171	-0.14166	0.026381	0.041528	0.01365	0.060428	-0.068897	0.08919	-0.076727	-0.037042	-0.087428	-0.060669	-0.056464
315	-0.110454	-0.000866	-0.04571	0.018122	0.046199	0.035093	0.003771	0.006957	-0.020218	0.055431	0.029228	-0.002835	0.000571	0.024834
316	0.004897	0.021952	-0.020308	-0.079861	-0.063831	-0.06035	-0.000735	0.008729	-0.053516	0.080228	0.028196	-0.003618	-0.076001	0.034867
317	-0.03627	-0.055087	-0.070265	0.057059	-0.058982	-0.04013	-0.007304	0.103024	-0.063178	0.032392	0.000328	-0.06195	-0.012231	0.000581
318	0.041738	0.022996	-0.04596	0.072353	-0.045481	-0.076002	-0.059205	-0.076056	0.067466	-0.065072	0.070963	-0.06553	-0.047706	0.061115
319	-0.061013	0.027326	0.008689	0.111529	-0.016904	0.008392	0.005994	0.009511	-0.081073	0.044964	-0.066278	0.056069	-0.027239	0.047569
320	0.041887	0.111169	0.093156	0.007039	-0.005882	-0.02037	-0.108121	-0.032885	0.030399	0.11442	-0.025751	-0.058395	-0.003964	-0.035994
321	-0.074666	0.015198	0.032856	0.035295	-0.000794	0.012369	-0.066608	0.084993	0.038228	-0.031602	0.063694	0.078903	0.11046	-0.039109
322	0.037074	-0.0711	0.093943	-0.03061	0.004288	0.027741	-0.039936	0.059098	0.017835	0.079958	-0.004955	-0.059911	0.034601	0.026425
323	0.159732	-0.007897	-0.045549	-0.025526	-0.125623	0.064773	-0.067339	0.024346	0.005426	0.074941	-0.021265	-0.072738	-0.059262	-0.009484
324	-0.002437	-0.019335	-0.049364	-0.017726	-0.063057	-0.026273	-0.081352	-0.051719	0.042111	0.009987	0.042712	-0.029708	0.04533	-0.00282
325	0.000019	0.020703	-0.121019	0.024206	0.028991	0.09338	-0.007313	0.003574	-0.008048	-0.048538	0.065865	0.038957	0.018898	-0.055653
326	0.020249	0.038066	0.074253	-0.013768	-0.061407	0.002097	0.099652	0.101592	-0.007534	-0.040593	0.015407	-0.011271	-0.007505	0.053926
327	0.009761	0.012412	0.005833	0.034018	0.020926	-0.082504	-0.010422	0.003929	-0.059207	0.033605	-0.071951	-0.001637	0.005495	0.072271
328	0.057197	-0.047961	0.029166	-0.019179	0.019329	0.09549	0.04366	0.028801	0.039449	-0.023683	0.006513	-0.078488	0.081218	0.004235

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
329	0.005372	-0.051885	-0.033907	0.037217	-0.042514	0.027261	0.03168	0.077713	-0.03645	-0.000992	-0.121838	-0.01548	0.105358	0.019388
330	-0.117173	0.0044	-0.039911	-0.002433	0.023341	-0.018037	-0.062389	-0.120185	-0.127898	0.039491	-0.05672	-0.017926	0.003103	-0.020041
331	0.024985	0.110313	0.011325	-0.127749	0.000709	-0.022348	0.012438	-0.108574	0.069146	0.07389	-0.005739	0.039146	0.015506	0.019354
332	0.03093	0.053972	0.042789	-0.000835	-0.033053	-0.076677	0.031876	-0.022559	-0.004825	-0.048564	0.002891	0.097504	-0.000619	-0.04901
333	0.028928	0.008519	-0.051942	-0.017156	0.060967	0.022025	-0.031896	-0.044106	-0.012687	-0.017575	-0.001868	-0.046317	0.016124	0.058796
334	0.071185	-0.013188	0.015174	0.021327	-0.048805	-0.033378	0.0289	0.041979	0.039711	-0.04761	0.017501	0.00086	0.067566	-0.004364
335	0.069453	-0.168524	0.037908	0.001737	-0.091159	0.016596	0.016896	0.004882	0.013595	-0.006107	-0.033853	-0.032352	0.077986	0.052731
336	0.083057	-0.02513	-0.039723	-0.093355	-0.0867	-0.150314	0.043277	0.06914	0.006416	0.065469	-0.009651	0.036025	0.046587	0.048804
337	-0.007015	-0.066049	0.109634	-0.063614	0.075623	-0.08645	0.063633	0.01354	0.019551	-0.055951	-0.023442	0.133188	-0.047068	-0.018217
338	0.01948	-0.000142	-0.014301	-0.00261	0.043392	0.070836	-0.065136	-0.065658	-0.035999	0.039067	0.095145	0.018497	0.028368	-0.043661
339	-0.002355	0.03525	-0.083144	-0.050514	0.084569	-0.042487	0.055845	0.125939	-0.140685	0.001242	0.010956	-0.02328	-0.115252	-0.024365
340	-0.010098	-0.008403	-0.049184	-0.050448	-0.086923	-0.0059	0.032547	0.011132	-0.001435	0.052836	-0.012433	-0.01819	0.050454	0.028244

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
1	-0.018676	-0.000067	0.167624	-0.027212	0.035091	-0.014237	-0.001131	-0.058135	-0.075447	0.07422	0.029017	0.083842	-0.050222	0.002676
2	0.00993	-0.031265	-0.028798	-0.059608	-0.036928	0.051041	0.046815	-0.020897	-0.018571	0.047339	0.076841	0.098184	-0.001397	0.078712
3	0.067404	-0.033899	0.023665	0.023532	0.05354	0.060095	0.112847	0.073754	0.034585	0.004284	-0.014133	-0.124409	0.006802	0.020426
4	-0.045057	0.117048	-0.031941	0.01522	-0.02533	0.097185	-0.038227	0.033379	0.157747	-0.012244	-0.081755	-0.00486	0.049302	0.015863
5	-0.012344	-0.031157	-0.017135	0.037383	-0.002423	0.029285	0.034643	0.030475	0.049531	-0.039786	0.047038	-0.001339	-0.034548	-0.022925
6	0.025694	-0.045905	-0.061583	-0.00339	0.05199	0.044319	-0.005289	-0.000524	0.029546	-0.018167	-0.007782	0.06624	0.005686	-0.018681
7	-0.049965	0.066146	-0.061529	-0.029251	0.0512	-0.037817	-0.019147	-0.025043	-0.011738	-0.031933	-0.051023	-0.015003	0.065037	0.028934
8	0.026336	0.007845	0.066558	-0.007092	0.038475	-0.004041	-0.071104	-0.015743	0.030956	-0.009524	-0.047785	-0.014831	-0.033864	-0.071865
9	0.035614	-0.032985	-0.000145	0.072749	0.039865	0.102766	0.047727	0.005449	-0.040402	0.045205	0.102199	0.090319	0.056755	-0.024854
10	0.018772	0.045785	-0.073548	0.069486	0.03922	-0.076567	-0.004483	-0.038048	0.018812	-0.050332	0.065217	0.00675	0.05709	-0.011752
11	0.042906	0.01935	-0.018155	0.022174	0.031846	0.022837	0.012553	0.05216	0.044566	-0.018254	-0.085662	-0.04932	-0.104786	0.07601
12	0.011255	-0.052133	0.069111	0.059734	-0.00935	-0.005294	0.033123	-0.003873	0.018823	-0.014284	-0.028586	0.000213	0.042835	-0.041153
13	-0.003078	0.044407	-0.010177	-0.031926	0.024722	-0.044343	0.007496	0.056413	-0.03971	-0.033585	0.032658	0.192897	-0.069092	-0.128842
14	-0.034996	-0.025683	-0.00865	0.039545	-0.074809	-0.063479	-0.010667	-0.045779	-0.028338	-0.040769	-0.022864	-0.05399	-0.005804	0.032014
15	-0.026529	-0.047602	-0.077201	0.078794	-0.057682	0.022709	0.005877	0.01397	0.010834	0.028992	0.013789	-0.172597	-0.055405	0.021341
16	0.003067	0.052187	-0.008663	0.013034	0.029618	-0.092651	-0.003164	-0.071394	0.00863	-0.023877	-0.022095	0.051695	-0.03443	-0.067865
17	0.060762	0.036071	0.039219	0.011518	0.02481	0.002609	0.014235	0.013839	-0.036479	-0.014947	-0.061316	0.089056	0.028418	0.100601
18	0.035565	-0.027847	0.062664	-0.042406	0.04944	0.041952	0.027851	-0.034611	0.051791	0.029519	0.070238	-0.003125	-0.024642	-0.032261
19	-0.041073	0.052761	-0.03207	0.098379	0.07677	-0.087243	-0.03961	0.028914	0.012743	-0.062783	-0.024849	0.094042	0.02241	-0.051663
20	0.000255	0.082063	0.082537	0.136935	-0.005777	0.081628	0.003385	0.0187	0.170513	-0.017731	0.082805	-0.085996	0.051261	-0.086356
21	0.020636	-0.029683	-0.065758	-0.019574	0.025287	-0.019019	-0.041085	-0.00858	-0.035503	0.065663	0.040829	0.03902	0.052749	0.013428
22	-0.000321	-0.048114	0.085531	-0.004446	-0.071869	0.04885	0.06387	-0.08153	-0.146631	0.029121	0.009759	-0.00963	0.067528	-0.069793
23	-0.046452	0.010983	-0.086925	0.004471	-0.042002	-0.062056	-0.083262	-0.052808	0.023879	-0.006293	-0.023855	0.015578	-0.055483	0.094809
24	-0.010097	0.107505	0.085442	0.036915	-0.066976	-0.05323	-0.06336	-0.01329	-0.007798	0.037815	0.058246	0.029166	-0.041358	0.080524
25	0.059371	-0.109403	-0.034038	0.094425	0.062604	-0.015289	-0.028853	0.035392	-0.040903	-0.029416	-0.049764	-0.089141	-0.026087	-0.015062
26	-0.0001	0.136487	0.003721	0.010373	0.034501	0.073	-0.021536	0.021995	0.073893	-0.042689	-0.061082	0.105097	0.062268	-0.16883
27	0.048757	-0.124135	-0.093426	0.067316	-0.068288	-0.054409	-0.085073	-0.095594	0.00831	-0.067406	0.057414	0.093632	0.055481	0.082476
28	-0.004741	-0.051106	-0.043922	-0.233599	-0.133969	-0.031984	-0.035651	-0.061222	0.055782	0.014535	-0.0195	-0.123927	-0.016655	-0.048033
29	-0.038756	-0.003741	-0.060691	-0.013451	0.044345	-0.039897	0.007289	-0.037119	-0.012596	0.029925	0.11354	0.045122	-0.054127	-0.003587
30	0.183237	-0.026083	0.065525	0.12325	0.040657	-0.06305	-0.140745	0.03063	-0.082957	0.009023	0.009908	0.077112	-0.028499	0.000104
31	-0.059331	-0.01748	-0.052683	-0.105428	0.114957	-0.007756	0.037527	0.050842	0.054264	0.078719	-0.03853	-0.175072	-0.120803	-0.052604
32	-0.021411	0.098909	-0.041467	0.032488	0.001735	-0.02215	0.006549	-0.0555	-0.034523	0.010444	-0.006431	0.025651	0.052704	0.004085
33	0.048133	-0.019685	-0.013401	-0.016106	0.073651	-0.005729	-0.039119	0.010765	0.08301	0.047787	0.059057	-0.032975	-0.039936	0.012515
34	-0.044012	-0.026511	-0.000903	0.09771	0.111212	-0.054119	-0.075657	-0.017991	-0.062798	0.013461	0.000414	-0.089683	-0.035761	0.070371
35	0.054379	-0.016888	-0.057903	-0.059138	-0.138033	0.010017	0.001637	0.008031	0.044817	0.038385	-0.024371	0.15926	0.051478	0.107033
36	0.071975	0.147821	0.003126	0.091853	0.205315	0.049091	0.08983	0.004842	-0.06912	-0.070569	0.023017	-0.018297	0.03961	-0.12021
37	-0.004961	-0.013559	0.009165	-0.160459	0.023644	0.004734	0.069855	0.10975	0.04153	0.017815	-0.054147	0.107757	0.038749	-0.016679
38	-0.025651	-0.058245	-0.052487	-0.083993	-0.070664	-0.037007	-0.009903	-0.018342	0.089428	-0.006782	0.003198	-0.047634	0.021525	-0.063233
39	0.035543	-0.165296	0.0496	0.08174	0.002235	0.086232	0.074233	-0.012476	-0.040423	0.032612	-0.060728	0.021799	-0.000798	0.02755
40	-0.001919	-0.048408	0.125941	0.069305	-0.003545	0.067173	-0.042567	-0.053692	-0.035256	-0.016489	-0.133228	0.018216	0.109683	0.06542
41	0.036377	0.03754	0.118397	-0.099504	0.004459	-0.134446	0.003859	-0.050092	-0.037319	-0.007597	0.03935	-0.116651	-0.090998	-0.009454

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
42	0.05784	0.008066	-0.204418	-0.100698	0.059301	0.023809	-0.004775	0.047646	0.057729	0.016188	-0.013915	0.001344	0.017709	0.042451
43	0.049195	0.022171	0.039818	-0.109088	-0.11057	-0.040193	-0.050795	-0.013758	0.059322	-0.063552	0.118688	-0.004493	0.074758	0.015389
44	-0.004329	0.022063	0.031554	0.037319	-0.030894	0.00742	-0.030915	0.065152	-0.003892	-0.04975	-0.019922	0.025127	-0.067756	0.062244
45	-0.023125	0.022069	-0.180272	0.050043	-0.002666	0.02879	0.105472	0.078264	-0.084184	-0.027083	-0.030797	-0.014499	-0.01787	-0.099771
46	-0.012661	-0.051066	-0.024279	0.034849	0.032543	-0.030366	-0.043745	0.024165	0.092979	-0.05213	-0.017367	-0.022762	-0.041735	-0.104033
47	-0.012242	-0.030088	0.008082	-0.049319	0.009219	0.092946	0.045134	0.007695	0.05447	0.051364	0.002863	0.005251	0.066549	0.139219
48	0.00294	0.035215	-0.003709	0.021087	-0.02079	-0.05702	0.042053	-0.059674	-0.045652	0.023757	-0.041195	0.133817	-0.058036	-0.032691
49	0.201176	0.088744	-0.010157	-0.044823	-0.066494	-0.033866	0.025151	0.009681	0.054076	0.079663	0.040516	0.044404	-0.081577	0.077878
50	-0.042201	-0.039395	0.126743	-0.038901	0.067394	0.002635	-0.004818	0.074347	-0.019354	0.00337	0.029327	-0.039259	0.059674	-0.039225
51	0.007483	-0.058507	0.18106	0.088792	0.056547	0.013199	-0.08779	-0.03532	0.057156	-0.073841	-0.031034	0.073072	0.032807	0.013701
52	0.053219	0.033951	-0.08975	-0.022263	-0.067152	-0.025889	0.004179	-0.058667	0.123787	-0.005413	0.013334	-0.08312	0.02557	0.093067
53	-0.055291	-0.012679	-0.046796	-0.00772	-0.001688	0.023968	-0.002108	0.084953	0.097918	0.043463	0.050954	0.018399	-0.022373	-0.006687
54	-0.089125	0.123321	-0.072533	0.010197	-0.029824	0.033796	-0.068467	-0.00102	0.013184	0.045467	-0.052813	-0.100966	-0.059598	0.020607
55	0.012661	-0.001864	0.054346	0.061321	0.058595	-0.080852	0.089161	-0.08749	-0.016274	0.025704	-0.047279	0.068743	-0.0543	0.192944
56	0.205784	0.074888	-0.011925	-0.022685	0.002206	-0.049652	-0.01651	0.025321	-0.020765	0.044343	0.102587	0.048528	0.044325	-0.094423
57	0.020913	0.036459	-0.041675	0.13094	-0.009463	-0.036942	-0.025533	0.090399	-0.009651	-0.093366	-0.008301	-0.105561	-0.01727	-0.049384
58	0.071028	0.016993	-0.022324	-0.093057	0.03344	-0.032481	-0.20843	-0.127103	0.021311	-0.053673	0.02019	-0.033925	-0.186435	0.048264
59	0.022939	-0.057056	0.071154	-0.002807	0.00725	0.075966	-0.014818	-0.017929	0.080202	-0.00214	0.079337	0.041114	0.021881	0.015088
60	-0.080678	-0.015361	-0.007106	0.099916	0.091236	0.05992	-0.094859	-0.087975	-0.012281	0.033841	0.088602	0.088968	-0.004035	-0.004841
61	0.013971	-0.003568	0.026749	0.06588	-0.009353	-0.021618	0.024467	0.04205	-0.119968	-0.035186	0.044646	-0.044834	-0.056113	0.067839
62	0.032406	-0.077347	-0.026416	0.178272	0.036094	0.058732	-0.046531	0.001291	0.106897	-0.016439	0.089216	-0.02245	-0.11057	-0.020954
63	0.045117	0.024511	0.163096	0.154983	0.092455	0.118491	-0.029483	-0.078222	-0.081835	0.049478	0.046498	0.011126	0.077255	0.024337
64	-0.800151	-0.038338	0.011508	0.010414	0.005574	0.003017	-0.010351	0.006237	0.03165	-0.024063	0.049772	0.053735	0.001562	0.030224
65	0.025638	-0.007075	0.102379	-0.011687	0.076519	-0.027612	-0.053854	0.054208	0.039371	-0.006609	0.075314	-0.014932	-0.076308	0.002163
66	0.022632	0.015279	-0.10668	-0.036129	0.042414	-0.039877	0.076209	-0.061916	-0.00236	-0.021727	-0.046898	-0.055988	0.040886	-0.048489
67	-0.026436	0.038123	-0.15181	-0.03533	0.038948	0.066415	0.04231	0.016621	0.071995	0.009104	-0.043114	-0.041271	0.131245	0.045318
68	0.005133	-0.104845	-0.006438	-0.074733	-0.008116	-0.010639	-0.003632	-0.039695	0.076056	0.011894	0.042241	0.190909	-0.025977	-0.036789
69	0.015753	-0.027226	-0.079076	-0.060883	0.013885	0.032832	-0.009078	0.089533	-0.06412	-0.090005	-0.053901	-0.029899	0.021622	-0.004011
70	0.019129	-0.024655	0.084792	0.086589	-0.103764	0.085062	-0.120928	-0.138292	0.017393	0.039897	0.056337	0.026505	0.004485	-0.046999
71	0.021885	-0.012336	-0.021968	0.030929	0.003331	0.028067	-0.063131	-0.011783	0.051633	-0.000304	0.071111	-0.031089	0.060435	-0.030002
72	0.031427	-0.007427	0.029387	-0.009687	-0.084095	-0.010896	0.068013	-0.026122	0.004064	-0.007228	0.039767	0.0066	-0.02893	-0.074901
73	-0.019246	-0.009413	0.027781	-0.081647	0.113281	-0.030683	0.015928	0.080107	-0.052043	-0.027853	0.070613	-0.035055	0.01471	0.036265
74	-0.015648	-0.026384	-0.036881	-0.005152	-0.016802	-0.004418	0.025973	-0.004724	-0.062746	-0.027072	-0.023907	0.014936	0.030369	-0.043775
75	0.002091	0.001922	0.151686	-0.113782	0.050155	-0.019224	0.039786	-0.037485	-0.062893	-0.040726	0.041243	0.160206	0.117762	-0.003602
76	0.012051	-0.014466	-0.110787	0.041918	0.176621	-0.097926	-0.086431	0.022387	0.095783	-0.060328	0.044383	-0.105606	0.102558	0.165568
77	-0.020618	0.012811	-0.038926	0.043099	-0.020026	0.035832	0.06597	-0.023739	-0.02543	0.065903	0.018872	-0.158758	-0.068105	-0.092594
78	-0.010807	0.006667	0.106662	-0.070644	0.106722	-0.021066	0.05251	-0.048469	0.070196	0.124855	-0.095849	-0.062026	0.056771	0.30092
79	0.011491	0.006795	-0.161209	0.009201	-0.06219	0.05894	0.050222	0.065138	-0.013643	-0.042425	-0.044938	0.116147	-0.164258	-0.178777
80	0.00482	-0.027504	-0.017755	-0.041448	-0.0966	0.080034	0.03578	0.076371	-0.023464	0.007268	0.026472	0.060193	-0.013471	-0.034295
81	-0.013743	-0.034031	0.012861	0.103511	-0.099211	-0.016721	-0.023161	0.051258	-0.030495	-0.010319	0.031356	-0.057246	-0.121231	0.009074
82	0.003475	-0.014045	0.061453	-0.120558	-0.034263	-0.067704	0.001485	0.075626	-0.002807	-0.044039	-0.110847	-0.035296	0.027978	0.020258

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
83	0.004671	-0.008135	0.06956	-0.026235	-0.061017	0.060135	-0.128536	0.037052	-0.010423	-0.021379	0.027126	0.03941	-0.128422	-0.048996
84	0.002674	-0.00816	0.048624	0.005327	0.140153	-0.096633	-0.013626	-0.072704	-0.029654	-0.022029	-0.101885	0.014944	0.083467	-0.079512
85	0.000466	-0.024517	-0.044148	-0.018099	0.031493	0.057733	0.024779	-0.039571	0.002964	-0.036696	0.031551	-0.015952	0.047425	0.045312
86	0.002683	-0.015002	0.006528	-0.036907	0.086292	0.04672	-0.129354	0.003911	0.012081	-0.051835	0.02447	0.099971	-0.087746	0.085377
87	-0.012704	-0.030189	-0.063857	0.217733	-0.076256	-0.021736	0.045057	0.064326	-0.045333	0.02204	-0.003656	0.096063	-0.020488	0.037971
88	-0.003422	-0.023645	0.060644	-0.081463	-0.061567	0.088066	0.030091	-0.074607	-0.066927	-0.11542	0.155524	-0.048062	0.031036	0.108338
89	0.000998	0.0015	0.240404	0.058978	-0.016843	-0.099094	0.168225	-0.009636	-0.015505	-0.078451	-0.012762	0.042735	-0.08522	0.108082
90	0.014924	-0.018957	-0.024975	-0.007825	-0.127564	-0.107798	-0.025103	0.036078	-0.044268	-0.13032	-0.040867	-0.026936	0.110078	-0.039289
91	0.015403	0.007473	-0.040857	0.043923	0.050387	0.051642	-0.047544	-0.053438	0.017216	0.013141	0.033024	-0.005515	0.04533	0.050284
92	-0.012532	0.031947	0.069819	-0.024643	-0.088318	-0.020233	-0.072443	0.049411	0.013482	-0.020597	-0.0968	0.079146	0.073343	-0.103826
93	-0.014301	-0.013177	-0.028553	-0.102631	0.215058	0.064584	0.028767	0.061454	-0.033018	0.047585	-0.024882	0.025311	-0.041515	0.078489
94	-0.044122	-0.013393	0.008373	0.120405	-0.098956	0.139037	0.038601	0.030457	0.032997	0.055692	0.071041	0.007798	0.004111	-0.032115
95	-0.038974	0.067963	0.025154	0.060325	-0.045092	-0.004832	0.035382	-0.017886	-0.025293	0.032342	0.022258	-0.158155	-0.064467	0.107147
96	-0.015043	0.005682	-0.02068	-0.014607	-0.02824	-0.03612	-0.022217	0.070583	0.04851	-0.020293	0.041344	0.041265	-0.057246	0.052104
97	0.031925	0.030947	0.018737	-0.091726	0.007024	0.008584	0.011883	0.088429	-0.075951	0.03221	0.068441	0.080141	0.061583	-0.094932
98	0.023158	-0.001188	0.080338	-0.007652	0.032437	-0.099394	-0.134827	-0.022029	0.021627	-0.030098	-0.187798	-0.050819	0.016135	-0.054142
99	-0.017409	-0.033826	0.082457	0.089205	0.076263	0.039613	0.055087	0.024152	0.113095	0.025458	-0.043571	0.04958	-0.074626	0.000618
100	-0.012658	-0.009064	0.139705	0.054527	-0.032594	0.107043	0.170707	0.148589	0.192761	-0.076364	0.082037	-0.099393	0.004241	-0.007757
101	0.052594	-0.167701	-0.035879	0.08709	0.172405	-0.046341	0.001681	0.069943	0.004416	0.04381	0.022872	-0.06464	-0.018573	0.037738
102	-0.009445	-0.014683	-0.051863	-0.091698	-0.003538	-0.083936	-0.111693	-0.042076	-0.01105	0.09256	0.061589	-0.041091	-0.018839	-0.02791
103	-0.020699	0.026481	-0.045951	0.053002	0.008841	0.000319	0.010457	-0.041464	-0.016913	-0.010063	-0.056672	-0.008126	0.027405	0.038593
104	0.076392	0.045123	0.072521	-0.001485	-0.033543	0.069916	0.010191	0.168685	0.051226	0.003198	-0.007559	-0.020269	0.005932	-0.110824
105	0.021379	-0.013238	-0.01969	-0.016769	-0.101458	-0.02489	0.023381	0.028254	-0.036701	0.003995	0.047309	-0.049223	-0.00495	0.039779
106	0.01549	0.000756	0.070776	0.008624	-0.091134	0.02901	0.013039	0.005568	-0.011374	-0.014079	-0.036422	0.007613	-0.063244	0.087554
107	-0.020934	0.04753	0.036614	0.014248	-0.000186	-0.010271	-0.044827	0.027109	0.07713	-0.024695	0.00334	-0.113745	0.043443	-0.016021
108	-0.034729	0.026024	-0.076777	0.061227	-0.012222	-0.02384	-0.081688	-0.032171	-0.115264	-0.006421	0.043582	-0.090776	0.053332	0.004948
109	-0.034599	0.04494	-0.008058	0.010223	0.052304	-0.078429	-0.05649	0.030827	-0.017862	0.021013	-0.024375	0.003632	0.044469	0.02919
110	0.010279	-0.070296	-0.03932	-0.0323	0.013709	0.009428	0.000117	0.014098	0.046757	-0.021228	0.060841	-0.022561	-0.04928	0.000874
111	0.028223	-0.005728	-0.040805	0.010411	0.014342	-0.039608	0.063517	-0.066792	0.049058	0.000496	0.052466	0.004752	0.03663	-0.037001
112	0.000706	0.032236	0.020845	-0.048322	0.002954	-0.046299	-0.067327	-0.037168	0.048101	0.007986	0.057499	-0.008694	-0.015176	-0.056261
113	-0.00176	-0.025073	-0.041348	-0.054721	0.052915	0.030692	0.001949	0.005613	0.005973	-0.026345	-0.110119	-0.053618	0.006657	0.020583
114	-0.045731	0.022255	0.006379	-0.010469	-0.011404	-0.023373	0.003529	0.006561	0.035227	0.071156	-0.062198	-0.033077	-0.037243	-0.005971
115	-0.010061	-0.004326	-0.007726	-0.055675	-0.037205	-0.006446	-0.014247	0.043224	0.048835	0.003094	-0.046914	-0.020954	-0.086638	0.007202
116	0.029128	0.023517	0.053616	0.002049	0.038824	-0.003598	0.089333	-0.081291	0.060869	-0.019457	0.020075	-0.030535	-0.026774	-0.086615
117	0.003435	-0.010142	-0.066165	0.009342	0.029818	0.025431	0.019612	-0.015329	0.080115	-0.033995	-0.052897	0.003366	0.005289	0.038353
118	0.029246	-0.02283	0.053496	-0.093623	-0.040332	-0.125678	-0.034748	-0.057116	-0.067674	-0.054983	0.001546	-0.031458	-0.097781	-0.050654
119	0.011155	-0.032124	-0.081531	0.011504	-0.007632	-0.106578	0.109123	-0.085787	0.001068	0.049738	0.034546	-0.062455	0.071174	0.066187
120	-0.037322	0.057946	-0.011944	-0.015269	-0.053074	-0.020768	-0.051191	0.092669	-0.047707	0.049608	-0.012041	0.119154	0.003301	-0.023696
121	-0.004211	-0.084264	-0.011563	-0.040388	0.108475	0.004747	0.019976	-0.043827	-0.082509	-0.037337	0.014426	-0.05989	-0.015422	-0.013613
122	-0.038152	-0.015076	0.029369	0.01088	-0.048566	0.010558	-0.104656	-0.017815	-0.112342	-0.020414	-0.018209	-0.084339	0.025959	-0.053364
123	0.017763	-0.045687	0.01719	0.028154	-0.037681	0.067472	0.071595	-0.086849	-0.068183	0.011636	-0.048693	0.022744	0.054375	-0.107594

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
124	-0.017853	-0.044143	0.088993	-0.067601	0.022302	0.095664	0.002108	-0.101194	-0.061723	0.050833	-0.043075	-0.00334	0.045528	0.007571
125	-0.014945	0.073716	0.034411	-0.066598	-0.021406	0.054717	0.058387	0.00898	0.027992	-0.133863	-0.118779	-0.045294	0.027138	-0.031613
126	0.010192	0.007026	-0.114961	0.155829	-0.041274	-0.061849	0.00552	-0.074708	-0.065198	-0.052845	0.022727	0.039019	-0.116075	-0.009506
127	0.017812	-0.016576	0.094488	0.132428	0.059201	-0.16011	0.015182	0.09824	0.056039	0.035568	0.076666	-0.010849	0.114887	0.008811
128	-0.055917	-0.066283	-0.03964	-0.025106	0.031737	-0.010428	-0.004175	-0.069613	-0.04074	-0.064743	0.012053	-0.06403	-0.06672	-0.083901
129	0.008709	0.009893	0.003478	0.059631	0.155221	-0.057453	-0.068203	-0.048736	0.05294	-0.012955	-0.063433	-0.004204	0.036317	-0.080617
130	0.008205	-0.084242	0.023315	0.080033	-0.066322	-0.069878	0.033915	-0.037667	-0.008744	-0.022242	-0.036128	-0.006758	0.015738	-0.048457
131	-0.004834	0.011172	0.061282	0.009693	0.01599	-0.022091	-0.020868	0.026308	0.038034	-0.01189	-0.019694	-0.116935	-0.024205	-0.053883
132	-0.008	-0.042097	0.094786	-0.076369	-0.011734	-0.008081	0.059399	0.03353	-0.055093	-0.02574	-0.016681	-0.053534	-0.034119	-0.039287
133	0.044701	-0.07737	-0.005644	-0.087772	0.007589	0.081356	-0.014764	-0.013238	-0.105473	-0.030482	0.078352	-0.047284	0.05753	0.124058
134	-0.021253	-0.006046	0.038475	-0.032314	-0.003813	0.049995	0.039423	0.072592	-0.048823	-0.003068	-0.03451	0.042462	0.011266	0.047179
135	-0.038376	0.032111	0.099181	-0.056008	0.102206	0.099729	-0.173025	-0.081076	-0.015885	0.097514	0.005113	-0.069025	-0.112647	-0.161388
136	0.043075	0.020202	-0.055597	0.044339	-0.041476	0.038399	-0.114682	-0.012389	-0.10796	-0.009346	-0.075574	-0.065348	0.042538	-0.015652
137	0.005507	0.095817	0.003032	-0.077182	-0.040083	0.108568	0.049103	-0.041192	-0.156575	-0.07921	0.067078	-0.062981	0.003685	0.093399
138	0.017145	0.054176	-0.006328	-0.05129	0.037837	0.030001	0.002698	0.035788	0.001605	0.014875	0.011821	-0.041053	-0.024576	0.050505
139	-0.033482	0.075223	0.299753	0.014384	-0.048264	-0.005283	0.034068	0.04217	-0.002992	-0.028464	-0.040533	-0.031925	-0.018271	0.008087
140	0.019634	0.156718	0.021175	0.224831	-0.054593	-0.006805	-0.016883	0.009211	0.025971	0.043971	-0.004084	-0.02487	0.022696	0.053715
141	-0.044935	0.029361	-0.02229	-0.043946	0.383767	0.019039	-0.014362	-0.008078	-0.015905	-0.039208	0.00171	0.034839	-0.032219	-0.022473
142	0.033064	0.062119	-0.03748	-0.008437	0.047184	0.551264	-0.073742	-0.057357	-0.000871	-0.036596	-0.048415	-0.00255	-0.019203	0.01578
143	-0.009568	0.017536	-0.021824	0.014461	0.052053	-0.080142	0.520938	-0.095904	-0.000776	-0.011268	0.021045	0.028109	-0.038649	-0.075399
144	-0.017661	-0.045919	0.020108	-0.015666	-0.021905	-0.052534	-0.065489	0.61854	-0.095745	-0.013285	0.041367	-0.033992	-0.044369	0.078758
145	0.025088	-0.018839	0.021032	-0.0331	-0.024235	-0.021958	0.009472	-0.065743	0.532986	-0.060774	-0.018885	0.079703	-0.009106	0.013751
146	0.010578	0.00613	-0.032755	0.09781	-0.025881	-0.027551	0.038215	0.022733	-0.02751	0.757451	-0.037413	0.026885	0.015362	-0.050127
147	-0.024903	0.013295	-0.03643	-0.028651	0.013064	-0.036474	0.023924	0.003505	0.012723	-0.01297	0.563481	-0.031192	0.042083	-0.013071
148	-0.011351	-0.106011	-0.061183	-0.012298	0.008789	-0.010686	-0.001956	-0.001761	0.057405	-0.032672	-0.043733	0.253327	-0.083899	-0.007394
149	-0.026175	0.019548	-0.01863	-0.01172	-0.029608	-0.048774	-0.070915	0.007096	0.005018	0.025772	0.054083	-0.042758	0.543789	-0.023439
150	0.03503	-0.075328	-0.029653	0.054877	-0.043977	0.03902	-0.026675	0.026828	-0.004392	-0.029011	-0.028086	0.069645	-0.038831	0.331068
151	-0.030205	-0.02646	-0.058977	-0.067936	-0.004645	-0.022001	-0.036606	-0.059899	-0.052097	0.03323	-0.066284	-0.012665	-0.03788	-0.015454
152	0.020424	-0.074118	-0.012462	-0.064892	0.060541	-0.04418	-0.006723	0.021788	0.016194	0.046487	0.035185	0.038883	-0.013357	0.023915
153	0.004936	0.009602	-0.059238	0.052274	0.028535	-0.059003	0.008285	-0.046263	-0.024331	-0.019955	-0.034497	0.010241	0.02776	0.061746
154	-0.03088	-0.006404	0.037777	-0.065963	0.032005	-0.107214	-0.00448	-0.031113	-0.017165	0.03489	-0.046287	0.007257	-0.008031	-0.017594
155	0.015389	0.090939	-0.007661	0.009241	0.026444	-0.095718	-0.017848	-0.025158	0.045244	-0.023277	0.06308	0.025266	-0.018342	-0.015443
156	-0.036784	0.014354	0.034209	0.027454	-0.012145	-0.034079	0.037594	-0.002785	0.0621	-0.024047	0.004675	0.030797	0.003161	0.01214
157	-0.001613	-0.02392	-0.059065	-0.040484	0.021378	-0.035842	0.02766	-0.019127	-0.028912	-0.043657	0.062512	0.049275	0.024653	0.066213
158	0.010507	-0.036997	0.013631	-0.011632	-0.035381	0.004026	-0.027431	-0.041082	0.015074	0.031199	-0.068665	0.021026	-0.004949	0.013604
159	-0.005423	0.049326	0.001535	0.000488	0.023963	-0.05646	0.001144	0.014096	-0.0475	0.043678	0.05679	-0.053943	-0.029785	-0.038935
160	-0.011843	0.045978	-0.037961	0.014519	0.013558	-0.027855	-0.022973	-0.016192	0.032484	0.004216	-0.023255	0.018816	-0.040371	-0.023028
161	0.023734	0.055079	-0.039283	0.050486	-0.03506	0.00841	-0.049388	0.04071	-0.037159	-0.033154	-0.014297	0.037153	0.027872	0.034833
162	0.005578	-0.061342	0.009434	0.014349	-0.069516	0.012742	-0.042249	-0.044303	0.021981	-0.040321	-0.007778	0.050428	-0.007629	-0.00509
163	-0.029505	0.012986	-0.002176	0.006421	-0.059281	-0.10777	0.002265	0.011116	0.015944	0.043999	0.055043	-0.00521	-0.076473	0.054618
164	-0.046012	0.051545	0.015295	0.063827	-0.025069	-0.054051	-0.036125	0.031076	0.016193	-0.059446	0.024681	0.052128	-0.009482	-0.024553

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
165	-0.027933	0.038335	-0.004657	0.035875	-0.012451	0.024006	0.035	-0.040147	-0.049939	-0.012402	0.023537	-0.002687	-0.020232	0.036905
166	0.038306	-0.00141	0.048652	-0.020535	-0.041811	-0.009281	0.064847	0.01154	0.010873	-0.010841	0.020477	0.022133	0.055626	0.0167
167	0.028641	0.00009	0.041892	-0.008513	0.027281	0.016461	0.002674	-0.02733	-0.050272	-0.026902	0.006247	0.011104	-0.054595	-0.019959
168	0.008609	-0.070482	0.044073	0.02382	-0.013417	-0.009484	-0.03412	0.015452	-0.028856	-0.007983	0.021292	-0.094389	0.005775	-0.017127
169	0.00287	-0.00062	-0.022369	0.009629	-0.002221	-0.013919	-0.011235	-0.033727	0.027957	-0.026617	0.015965	0.003667	-0.02716	0.006639
170	0.010772	-0.012286	0.023233	0.006421	-0.013055	-0.005732	-0.013634	-0.031025	0.03845	0.014436	0.016253	0.022247	-0.060456	0.001803
171	-0.010947	0.013356	0.01563	-0.0086	-0.029027	-0.003234	-0.006127	-0.018777	0.046516	-0.006428	0.026154	0.041426	-0.017957	0.062692
172	0.033781	0.017538	-0.027613	0.029941	0.034737	-0.015068	-0.014646	0.001204	0.025859	-0.042023	-0.000391	0.01643	0.011313	-0.065706
173	-0.007741	0.015839	0.059561	-0.0003	-0.001906	0.012805	0.009251	0.030097	0.047396	-0.004872	-0.011522	-0.034443	-0.022083	0.015229
174	0.012012	0.005196	0.081983	-0.016771	-0.070831	-0.040193	0.008012	0.0069	0.071688	0.040431	-0.031838	-0.059345	-0.024794	-0.028271
175	-0.040275	0.085444	-0.031085	0.042223	0.094559	0.025682	-0.013896	0.073539	0.056719	0.003406	0.024244	0.000601	-0.046609	-0.02285
176	-0.002837	-0.045261	-0.012059	0.055372	0.053825	0.077889	-0.003727	0.069931	-0.006643	-0.014299	0.012629	0.047646	0.001117	-0.023985
177	0.007926	0.040566	-0.02037	0.031987	0.053421	0.063833	0.026849	-0.039611	0.008569	-0.021051	0.034776	-0.028973	0.017363	0.005837
178	-0.042579	0.017283	0.001843	0.008361	0.026041	-0.000768	-0.06336	-0.006728	-0.027485	0.024012	-0.016504	0.059627	0.009598	-0.010879
179	0.042821	0.014541	0.014167	0.000448	0.020295	-0.03276	-0.028747	0.009436	-0.003469	-0.007693	-0.010642	0.015798	0.015598	0.017288
180	-0.008856	0.017614	0.042305	-0.013554	0.024354	-0.038736	-0.014744	0.025448	-0.002899	0.021765	-0.015622	0.027438	-0.010493	0.016596
181	0.003731	0.022021	0.028809	0.003629	0.030525	0.009882	-0.013592	-0.001038	0.010457	0.021111	0.000453	0.040444	-0.017172	0.029279
182	0.004731	0.033562	0.017996	-0.003334	0.058897	-0.00269	-0.023874	-0.031709	0.04467	0.021781	-0.007227	-0.008372	-0.053522	-0.063397
183	-0.021587	0.033484	0.003715	-0.003847	0.00412	0.0517	0.008089	-0.001892	-0.004541	0.001394	0.000221	0.033505	0.015911	0.014625
184	0.019406	-0.037144	0.008444	0.001716	0.018529	-0.008098	-0.02727	-0.029113	-0.016705	0.018856	-0.006176	0.035192	0.039622	0.041216
185	0.011713	0.033301	-0.042541	0.08616	-0.022802	-0.015722	0.002125	0.040634	-0.065891	-0.006482	0.062689	-0.019154	0.004764	-0.015999
186	-0.035314	0.01246	-0.002681	-0.104136	0.017474	0.032447	-0.018769	0.004104	0.002064	-0.00492	0.06177	0.039334	0.043091	0.003297
187	0.021207	-0.033164	-0.015957	0.022783	0.047427	0.026642	0.040518	0.017131	0.021152	-0.032984	0.02578	0.009196	0.024643	0.032603
188	0.008165	-0.085708	0.014421	-0.018944	-0.039215	0.02914	0.060737	-0.014377	-0.007204	-0.02417	0.023142	-0.022311	0.019627	-0.00233
189	0.027447	-0.004238	-0.067986	0.028448	0.024957	0.0254	0.050489	0.018554	0.007032	-0.039047	-0.02482	-0.033204	0.048379	0.045374
190	-0.014257	-0.028883	-0.007853	0.000547	-0.05191	0.044203	-0.069609	0.013119	0.001069	0.047726	0.023506	0.014789	-0.043631	0.06681
191	0.021698	-0.009525	-0.003016	-0.0105	-0.023726	-0.063723	-0.022375	0.001435	0.039424	-0.017732	0.055265	-0.017163	-0.021285	0.013066
192	0.002204	0.024869	0.026725	0.045833	0.033335	-0.004512	0.000099	-0.053959	0.038846	-0.036179	0.047602	0.053221	0.014131	-0.019506
193	0.018046	-0.01263	-0.020904	-0.000796	0.002236	-0.037095	0.003566	-0.04643	-0.008777	-0.032656	0.023615	0.003272	-0.03769	0.012694
194	-0.007487	-0.026955	-0.036781	0.051131	0.02064	0.05149	-0.008829	0.040126	-0.082139	-0.012114	-0.028762	0.055387	0.00927	-0.059286
195	0.004043	0.052388	0.068263	0.012134	-0.009311	0.017864	0.006261	0.071905	0.01211	0.032731	0.020132	0.032513	0.004881	0.07016
196	-0.025114	0.008485	-0.006746	0.014408	0.064342	-0.021206	-0.029707	0.008165	0.021424	-0.000124	0.018073	-0.016792	-0.024548	0.007696
197	0.00978	-0.035717	-0.018509	0.022016	-0.082016	-0.000472	-0.031867	-0.061562	-0.037361	-0.026767	0.025694	-0.012809	-0.122692	0.037995
198	-0.014592	0.112597	0.073211	0.004881	0.043263	0.011886	0.010023	-0.026199	-0.022762	-0.002431	-0.050065	0.034984	0.023799	0.014491
199	0.003402	0.007216	0.007188	-0.025696	0.018801	-0.020344	0.002086	-0.001015	-0.004936	0.001661	0.054321	0.007666	-0.032729	-0.007433
200	0.02822	-0.064975	-0.098565	-0.017777	-0.002532	0.00208	0.07725	0.015216	0.056197	-0.006598	-0.014978	0.036101	-0.011892	0.055166
201	-0.028776	-0.042981	-0.064792	0.015497	-0.033997	0.01253	-0.008882	-0.010547	0.031768	0.01746	0.016677	0.003307	-0.061036	-0.012955
202	-0.003559	-0.050058	0.065395	0.02725	0.024386	-0.021307	-0.016174	-0.000323	-0.011159	-0.046499	0.021911	0.011317	-0.014302	0.0067
203	-0.007563	-0.033381	-0.018956	-0.040742	-0.000298	0.043441	0.02778	-0.012915	-0.019459	0.022538	-0.048773	-0.004609	0.051028	-0.009868
204	0.026242	0.018688	0.005348	-0.012994	-0.0714	0.079013	-0.061496	-0.05392	0.022935	-0.012436	0.06104	-0.044138	-0.022191	0.009817
205	0.001249	0.005055	0.036035	-0.02102	0.000372	-0.03774	-0.006666	0.020159	0.012565	0.021367	-0.018076	0.015377	0.000324	-0.070393

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
206	-0.051481	-0.005622	0.031794	0.039368	-0.047662	0.031758	-0.022292	-0.009653	0.00585	0.003702	0.070171	0.052821	0.012264	-0.005288
207	0.038375	-0.093572	-0.018577	-0.019299	0.042234	-0.004463	0.024567	0.089495	-0.010407	0.011947	-0.063533	0.018003	-0.025587	-0.010084
208	0.054567	-0.043999	-0.017426	-0.005152	-0.034544	0.073624	0.065671	0.024399	-0.048297	-0.039953	0.00774	-0.03589	0.030733	-0.011043
209	0.032103	-0.036378	0.021503	0.040532	-0.054944	-0.029668	-0.031832	-0.004654	0.035875	-0.014524	0.006358	-0.001696	0.003576	0.022879
210	-0.009011	0.033739	0.002676	0.071538	0.007898	0.033865	0.079264	0.027183	0.017587	0.004147	-0.017269	-0.04847	-0.038411	-0.008415
211	-0.017979	0.060097	0.019407	-0.037753	0.039549	-0.001859	-0.065354	-0.003717	-0.058596	-0.035971	0.03692	0.041134	-0.049129	0.026182
212	-0.013558	-0.025067	-0.051012	0.008411	-0.037389	-0.038274	-0.001972	-0.013528	0.024506	0.025679	-0.097858	-0.011217	0.072621	-0.007377
213	-0.020083	-0.016725	0.003114	-0.06932	-0.024931	-0.021778	0.013073	0.004992	-0.021061	0.008579	-0.047276	0.036721	-0.033318	-0.032269
214	0.009189	0.026985	0.007817	0.002968	0.011235	-0.035329	0.001572	0.031904	0.017959	-0.016255	-0.000591	0.015054	0.050569	0.000189
215	-0.030356	0.050473	0.000472	-0.01421	-0.002299	0.004392	-0.024765	-0.060854	0.013622	0.069136	0.015974	-0.029921	0.030012	0.007923
216	-0.00383	0.077012	-0.033124	-0.003569	-0.024192	0.030132	0.011523	-0.016021	-0.033984	-0.003841	-0.005194	0.014296	-0.0157	0.026007
217	-0.057761	0.030051	-0.050694	0.053142	-0.047322	0.018903	0.008591	-0.049851	-0.030769	-0.015565	-0.032399	0.036809	0.027999	-0.064527
218	0.000057	0.009314	-0.003843	0.004039	0.008629	0.006846	-0.014659	-0.001377	-0.035845	-0.039632	0.054169	-0.03713	0.031309	-0.019711
219	-0.001066	0.003577	-0.041029	0.0414	-0.011592	-0.003511	-0.00225	0.002259	-0.036844	-0.037693	0.051982	0.01327	0.027262	0.038625
220	0.064556	0.004475	0.01049	-0.090967	0.043206	-0.002485	0.005626	0.005547	0.028278	-0.000062	-0.025886	0.008375	0.021636	-0.020454
221	-0.021791	-0.009012	-0.022099	-0.032106	0.050151	0.019536	-0.00263	0.064245	-0.028834	0.006799	-0.008118	-0.025441	-0.027486	-0.02285
222	-0.024408	-0.018292	0.002425	-0.059389	-0.047219	0.043727	0.007642	0.02464	0.002994	0.002018	0.001335	-0.053244	-0.017429	-0.023966
223	-0.012808	0.001416	0.047985	-0.061295	-0.023451	0.046966	0.022576	0.027075	0.027572	0.024563	-0.001604	-0.014067	-0.014467	-0.025284
224	-0.003691	0.007165	0.031521	0.005843	0.013812	-0.005703	0.005192	0.021406	0.003894	0.005918	0.060097	0.025076	-0.001652	0.01702
225	0.032214	-0.004254	0.031954	-0.033494	0.03391	-0.008441	-0.024768	0.013566	0.007959	0.015685	0.03677	0.013265	0.003908	-0.008796
226	0.007161	-0.034444	-0.001034	-0.014192	-0.03298	0.01424	-0.035429	0.011166	-0.008369	-0.018367	-0.016437	-0.023465	0.012414	0.011849
227	-0.014122	0.044486	-0.013385	-0.016375	-0.03843	-0.041908	-0.00516	0.059443	0.007072	-0.012984	-0.041646	0.027432	0.07482	-0.021001
228	0.019818	0.048665	-0.01669	0.063385	-0.025469	0.008508	0.009922	0.041866	0.045549	0.013841	-0.000182	-0.005285	-0.024639	-0.008605
229	-0.006513	-0.076781	-0.045741	0.021786	0.02356	-0.015146	-0.015344	-0.006646	0.053549	-0.010841	-0.019223	0.009359	-0.008553	-0.069581
230	0.027779	-0.010287	-0.000105	0.023003	-0.008934	-0.003828	0.011419	-0.006123	0.025246	-0.02147	0.00177	-0.063498	-0.008198	-0.053794
231	-0.010869	0.207398	-0.050486	-0.062649	-0.013354	-0.031871	0.053205	-0.000382	-0.005824	-0.011586	-0.039953	0.058314	-0.071624	0.041032
232	-0.024927	-0.000571	0.045496	-0.035334	-0.025025	0.004275	0.009876	0.023871	0.027958	0.020066	-0.046394	-0.017675	-0.048213	0.008072
233	-0.024914	0.026965	-0.040171	0.043623	-0.055989	0.041793	0.019836	0.027538	-0.009454	-0.044823	-0.02388	0.011728	0.016808	-0.042217
234	0.009843	-0.065278	0.030058	-0.018181	-0.008101	-0.057287	-0.019352	-0.000569	0.030434	0.004924	0.040713	0.044431	-0.022507	-0.048474
235	0.014461	-0.205638	-0.004651	0.051324	0.018027	-0.065633	-0.000939	0.007814	-0.026431	-0.01924	-0.029264	-0.015523	0.006797	-0.005914
236	-0.00937	0.009955	0.022891	-0.017127	0.029183	-0.017237	-0.029148	-0.00042	0.035341	0.014077	-0.009766	-0.073786	0.005682	0.003783
237	0.029354	-0.026661	-0.033587	0.015957	0.031922	0.011627	0.050066	0.002705	0.022704	-0.015094	-0.021516	0.046869	-0.010002	0.034737
238	0.010197	0.089178	-0.014719	-0.041471	0.019967	0.023664	0.024615	0.015613	-0.011968	0.003748	0.036923	0.019709	-0.014872	0.004065
239	0.000239	0.026101	-0.000631	-0.009509	0.014818	-0.006613	0.000142	0.021537	-0.041404	-0.021783	-0.001038	-0.016863	-0.011881	-0.048389
240	-0.018933	-0.026642	0.037908	-0.000753	0.021206	0.018071	0.0468	-0.026654	-0.028986	-0.020354	-0.039594	-0.074097	0.002996	0.054609
241	-0.021716	0.059204	0.023025	-0.012976	0.023419	0.008667	-0.003586	0.006694	0.017856	0.01849	0.02199	-0.010699	0.024254	0.008089
242	-0.005586	-0.098286	-0.013403	0.011772	0.037984	0.021066	-0.0225	0.014215	0.061813	0.033796	-0.017917	-0.060094	0.035017	-0.023768
243	0.007733	-0.056818	-0.022845	-0.016052	-0.008642	0.012639	0.026357	0.002734	-0.022685	-0.005981	0.032779	0.015929	0.02024	-0.00708
244	-0.001732	0.012317	0.008882	-0.02646	0.044725	-0.04988	-0.068176	0.029732	-0.009509	-0.002107	-0.007529	0.019581	0.009557	-0.013578
245	-0.015601	0.04505	-0.017821	0.035131	-0.065851	-0.017461	-0.056407	-0.059472	0.031294	-0.012845	-0.011425	0.015536	0.011356	-0.007785
246	0.020944	0.024265	-0.02259	0.023118	-0.003543	-0.041808	0.008227	0.006253	0.055238	0.010819	-0.027986	0.005513	-0.004208	-0.005072

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
247	-0.009775	0.029661	-0.045271	-0.026618	0.011603	-0.006916	0.022821	0.01605	-0.035407	0.027557	0.012556	0.02674	-0.023784	-0.016163
248	0.002299	0.019474	-0.051208	-0.064128	0.021619	0.010882	-0.004496	0.023113	-0.023787	-0.010285	0.011737	0.002329	-0.000504	-0.009561
249	0.025014	-0.014875	0.044972	-0.039148	-0.015017	0.036585	-0.023974	-0.001361	0.006527	-0.017177	-0.028322	0.004213	0.007807	0.005967
250	-0.026612	0.045194	0.026986	-0.000808	0.069342	-0.020858	-0.001219	-0.004256	0.011725	0.044858	0.025298	0.00542	0.020808	0.026811
251	-0.016737	0.014786	0.018807	-0.026511	0.018478	-0.038731	0.004767	-0.004789	0.010863	-0.010313	-0.018612	-0.022033	-0.026794	0.028186
252	-0.00349	-0.004941	-0.031192	-0.000163	-0.065858	0.047301	-0.016556	0.011171	-0.031516	-0.011081	-0.015424	-0.017913	0.030024	0.008158
253	-0.002112	0.054639	0.024524	0.033806	0.017408	0.018097	-0.012442	-0.010443	-0.002924	-0.031929	0.008169	-0.00096	-0.026934	0.035004
254	0.002838	0.004995	0.027721	0.022326	0.005103	0.002068	-0.034261	0.007688	0.002173	0.038495	0.003327	0.018305	-0.006527	-0.005522
255	0.018746	0.089377	-0.014509	0.017922	0.029112	-0.012443	0.006861	0.038952	0.002924	0.015364	-0.048025	0.00633	-0.003211	0.021026
256	0.012006	-0.053007	0.005309	-0.0105	-0.05663	0.018489	0.0047	-0.018267	0.024678	0.008213	-0.02495	0.013815	0.012244	0.019586
257	0.00177	-0.02166	-0.070026	-0.020362	0.002827	0.033968	-0.022897	-0.007476	-0.013818	0.013918	0.028351	0.030311	-0.00286	0.001842
258	0.018119	0.019077	-0.065489	-0.014926	0.018903	0.009959	0.033964	-0.009125	-0.040882	-0.000119	0.008562	-0.028292	-0.043654	-0.022878
259	0.017037	-0.019513	0.009314	-0.033466	0.001638	0.028874	-0.012894	-0.013231	0.006629	0.00442	0.024711	-0.054833	0.007241	0.011481
260	-0.026412	0.061268	-0.013043	-0.004535	-0.00592	0.012654	-0.020441	0.030212	-0.009491	0.052621	0.039803	0.001266	0.045858	-0.018845
261	-0.012883	0.024336	-0.027976	0.025595	-0.010022	-0.014679	0.013356	-0.077031	-0.010318	0.001867	0.03161	-0.025638	-0.069149	0.010861
262	0.019787	-0.002389	-0.034279	0.000714	0.007088	-0.009373	-0.01984	-0.024492	0.020224	0.015792	-0.006636	-0.008322	-0.007833	0.00505
263	0.072545	0.063451	-0.030383	0.009752	0.016307	0.038591	-0.038505	-0.009625	0.007813	-0.052021	-0.02855	0.022201	0.016033	-0.000948
264	-0.035359	0.097842	0.020652	-0.024689	-0.030753	0.006519	-0.017667	-0.023685	-0.083861	-0.017988	0.000932	-0.008213	-0.025649	0.024773
265	-0.0115	-0.019885	0.013026	-0.012761	-0.041288	-0.023101	0.01577	-0.036342	-0.050987	0.021627	0.004908	-0.089621	-0.006191	0.006606
266	-0.025562	-0.066734	0.000324	0.000104	0.010696	-0.047369	0.024419	-0.062525	0.0128	-0.013186	-0.010532	-0.027832	0.035247	-0.004212
267	-0.00928	-0.0089	-0.0253	-0.011779	-0.000502	0.035254	0.009371	0.019245	-0.043793	0.031799	0.024276	0.023072	-0.023585	0.062554
268	0.003868	-0.026156	0.057534	-0.019217	-0.000816	0.017229	-0.024871	0.032506	-0.004629	0.007631	-0.018928	0.00672	0.019356	0.037238
269	-0.016401	0.007405	0.037352	-0.04514	-0.017193	-0.009762	-0.011137	0.025495	0.011317	0.021122	-0.008622	0.023021	0.007191	0.040813
270	-0.041664	-0.026386	0.034649	0.006905	-0.032153	-0.029772	-0.00343	0.003102	-0.006162	-0.013358	-0.004214	-0.01197	0.018799	-0.000694
271	-0.042648	-0.052496	-0.019379	-0.012926	-0.077995	-0.014475	-0.033385	0.005492	-0.014636	-0.000597	-0.006275	0.078325	-0.027971	-0.065722
272	-0.009487	0.28753	-0.028037	0.026509	0.0001	-0.025793	0.025618	-0.008533	-0.032051	-0.019089	0.000315	0.017218	-0.021949	0.070822
273	0.00272	-0.001287	0.021269	0.02144	0.002354	-0.000757	0.000288	-0.025006	0.033893	-0.00986	0.007039	-0.047062	-0.003825	-0.011338
274	0.017165	-0.035455	0.018557	0.049202	0.014341	-0.015097	0.003829	-0.015909	0.04304	-0.018119	0.013161	-0.044246	0.000343	-0.041307
275	0.02261	0.055495	-0.010075	0.021931	-0.019737	-0.09934	0.004476	-0.034372	0.013141	-0.022244	0.032231	-0.077265	-0.014694	-0.025731
276	-0.004664	0.070774	0.018573	-0.031163	0.049874	-0.002136	0.002084	-0.017899	-0.002754	0.01084	-0.003395	-0.048399	-0.022711	0.032825
277	-0.003715	0.042222	-0.001925	-0.007108	-0.007786	0.023916	-0.004752	-0.0265	0.018529	0.044688	0.0196	-0.004748	-0.025682	-0.025323
278	-0.029542	0.029713	-0.019753	0.04173	-0.018221	0.0165	0.06303	-0.033267	0.051131	-0.007149	0.005577	-0.028594	-0.046332	0.007287
279	-0.029125	-0.019468	0.002559	-0.049562	-0.009171	-0.00816	0.034085	0.013594	-0.0576	-0.028394	0.030289	-0.025556	-0.013611	-0.025067
280	0.028225	0.063728	0.016109	-0.027081	-0.001159	0.033666	0.070644	-0.024517	-0.009848	-0.045892	-0.033495	-0.010523	-0.006268	0.018066
281	0.026462	0.013125	0.017403	-0.01419	-0.015359	-0.004045	0.036968	-0.023169	-0.023358	-0.005784	-0.029585	-0.015369	-0.031194	-0.022365
282	-0.011541	0.114572	-0.00251	-0.021608	-0.074971	0.013023	0.0305	-0.013545	0.032164	0.012907	-0.003156	-0.014096	-0.043097	0.060171
283	-0.025548	0.012565	-0.026346	-0.031054	-0.00318	-0.057701	0.04109	0.051249	-0.035872	-0.035034	0.002161	0.052509	0.035742	-0.020035
284	0.00486	-0.019899	-0.014426	-0.029446	0.002375	-0.019384	-0.028944	-0.00694	-0.047564	0.007791	0.025474	0.014472	-0.010618	-0.014451
285	-0.057432	0.018127	0.029614	-0.00055	-0.035434	0.008933	-0.040015	0.008632	0.005182	0.022975	0.029751	0.012959	0.012111	-0.018896
286	0.0237	0.0216	-0.015558	-0.008163	0.033394	0.028806	0.046741	-0.054114	-0.069945	-0.011807	0.001827	-0.00929	-0.05369	0.003923
287	-0.030569	0.008358	-0.012179	0.040373	-0.012716	0.015151	0.013772	-0.031864	-0.018323	-0.034243	-0.019246	-0.012744	-0.024545	0.025549

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
288	-0.001749	0.007599	-0.024343	0.014761	0.020485	-0.009232	0.014188	0.038204	0.020289	-0.016743	-0.020358	-0.036218	0.053204	0.006607
289	-0.033452	-0.045773	0.010382	0.009172	-0.001289	-0.030846	-0.008705	-0.00241	0.037507	0.016432	-0.006422	-0.002311	0.016895	-0.014902
290	-0.006315	0.000177	0.028248	-0.006952	-0.047982	0.015435	0.019193	-0.00902	0.020981	-0.015254	0.009269	-0.013399	0.009005	-0.01192
291	0.005	-0.000248	0.016234	-0.00297	-0.033469	0.018554	0.005417	-0.019441	0.017294	-0.019079	0.01607	-0.00606	0.00354	-0.014416
292	-0.032716	0.008652	0.050366	-0.001455	0.007093	-0.022719	0.007455	0.013343	-0.040202	-0.008698	0.014053	-0.009419	-0.004215	-0.019705
293	-0.019517	-0.040982	0.035759	0.062081	0.024843	-0.007315	0.048544	-0.061925	-0.02556	-0.005501	-0.064036	-0.032	0.020011	-0.007229
294	-0.043936	-0.0248	-0.013733	-0.003505	-0.047615	-0.018877	-0.012856	-0.024138	-0.023291	-0.022206	0.008773	0.069273	0.011414	-0.009673
295	0.009158	-0.08732	-0.032774	0.052335	0.000714	0.058827	0.04377	-0.004026	0.01361	-0.049784	0.047879	0.000733	0.025185	-0.044743
296	0.010969	0.027797	0.013099	-0.042682	0.018008	0.018987	0.014652	-0.008125	0.001802	-0.030036	0.00593	-0.000023	-0.033163	0.033153
297	0.016291	-0.031887	-0.005284	0.002824	-0.00619	-0.006825	0.046525	0.000938	-0.023769	-0.033105	-0.017386	0.005675	0.032978	-0.000668
298	0.035901	0.117838	0.004652	-0.043348	0.022425	-0.023147	-0.005787	0.011703	0.013073	-0.035404	-0.013503	0.084662	-0.000148	-0.00074
299	0.024293	-0.048847	0.036628	-0.028984	0.005115	-0.013254	-0.029728	-0.031646	0.012727	0.008408	0.023202	-0.012076	-0.00927	0.019791
300	-0.02504	-0.016097	-0.017719	-0.007959	-0.014875	0.007255	0.037071	-0.087205	-0.027757	-0.002223	-0.058039	-0.0555	-0.05732	0.024651
301	0.004476	0.011004	0.002919	-0.038033	-0.011852	0.022501	-0.030715	0.015116	0.023499	-0.003611	0.020695	0.037155	0.004389	-0.004245
302	-0.018422	-0.020544	-0.060279	0.012861	-0.016554	0.056154	-0.041515	-0.000539	-0.000631	0.014112	-0.017094	-0.006248	0.006498	0.027229
303	-0.002285	0.013111	0.004402	-0.033745	0.048407	0.031873	-0.032399	0.032375	-0.012657	0.030377	0.06601	0.006402	-0.036118	0.025391
304	0.006908	-0.165134	-0.005885	0.06846	0.027276	0.006996	-0.057142	0.020319	-0.024988	-0.030795	0.002943	-0.042171	-0.009842	0.006798
305	-0.012167	0.154743	-0.005782	0.017084	0.053406	-0.031841	-0.003908	0.032261	-0.022314	0.004364	0.047196	0.029303	0.026051	0.052791
306	-0.014208	0.00179	-0.008311	0.039765	0.04454	-0.068089	-0.03181	0.019271	-0.069365	-0.049065	-0.105968	0.033081	-0.026905	0.017675
307	0.014418	0.0483	-0.043117	-0.003984	0.056522	0.015927	-0.015792	0.033034	0.046097	-0.003147	0.033889	0.001332	0.02632	-0.020038
308	-0.010052	0.057594	-0.007615	0.02828	-0.025452	-0.040157	-0.022522	-0.001006	-0.014875	-0.080877	-0.077374	0.006105	0.035033	0.044305
309	0.003761	0.096309	-0.029118	0.004152	-0.071106	0.011847	0.02714	0.00931	-0.018035	-0.027544	-0.014656	0.001668	0.003992	0.037141
310	0.03041	0.006825	-0.036702	0.033971	-0.035716	-0.001755	-0.038517	0.046325	0.008228	-0.049057	-0.07595	-0.065818	0.030683	-0.014836
311	0.016766	-0.06708	-0.012313	-0.041743	0.004176	0.011596	-0.023223	-0.018874	0.004523	0.032375	0.015552	-0.018564	0.01906	-0.036443
312	-0.039801	0.000647	-0.025094	0.063288	-0.028123	-0.042532	-0.021186	-0.020092	0.011338	-0.03339	-0.033201	-0.021042	-0.007758	0.035063
313	0.028872	0.14349	0.013153	-0.065992	0.018128	0.025678	-0.023013	-0.024236	-0.048556	-0.010733	0.03684	-0.024205	-0.006238	0.026286
314	-0.01313	-0.082195	0.042763	-0.028532	-0.016815	0.023663	0.061593	0.036199	-0.010851	-0.005214	-0.052878	-0.047318	0.091155	-0.06211
315	-0.015997	0.006588	-0.014803	0.051011	0.019453	-0.009933	-0.00873	-0.011592	-0.000465	-0.010724	0.019777	-0.014545	-0.023974	-0.016226
316	-0.018419	0.012791	0.056855	-0.035378	0.015543	-0.03682	0.004282	0.004507	0.043561	0.001905	0.100047	-0.032725	0.052906	-0.051534
317	0.015796	0.027748	-0.043885	0.009775	-0.054668	-0.014898	0.02742	0.014314	0.014521	-0.019071	0.03991	0.021866	-0.021175	-0.0131
318	-0.046429	-0.016101	-0.006376	0.04581	-0.00939	0.01044	0.041996	-0.021253	0.034061	0.008564	-0.015229	0.053588	0.025859	0.050882
319	-0.000493	0.029327	-0.024837	0.060793	0.027665	0.023368	-0.014574	0.003808	0.024989	-0.030481	0.027553	-0.000247	-0.030565	0.008153
320	0.016025	0.014643	-0.040113	-0.066407	-0.027626	0.019584	-0.037819	-0.018872	-0.009841	0.019754	-0.001155	-0.019602	0.014167	-0.011497
321	0.003495	-0.016842	0.005517	-0.028956	0.014296	-0.031435	0.088442	-0.007608	-0.062646	-0.001314	0.040488	0.001066	-0.037949	0.016711
322	-0.024375	0.01607	0.035733	-0.018731	-0.007842	0.026766	0.036227	-0.004104	-0.015463	0.011388	-0.003437	0.012201	-0.077445	-0.033369
323	-0.019288	-0.015297	-0.009153	0.005252	-0.015188	0.014375	0.064828	0.004151	0.01761	-0.007493	-0.015732	0.020749	0.008534	0.014689
324	0.043294	0.043722	-0.041787	0.013997	-0.050145	-0.00239	-0.002677	0.007911	0.058633	0.034993	-0.041385	-0.049198	0.017268	0.008205
325	0.032451	0.060691	0.048296	0.012807	-0.018587	-0.008962	0.030514	-0.01221	0.006893	0.015402	-0.003962	-0.044874	-0.051002	-0.017888
326	0.022677	-0.106352	0.016026	-0.064066	0.063913	0.009598	-0.016439	-0.031237	-0.005082	0.008121	0.033539	0.063314	0.009957	-0.009456
327	-0.010483	-0.038048	-0.011374	0.03323	-0.010719	-0.003112	0.007341	-0.012565	-0.008951	-0.015754	-0.00384	-0.0053	-0.010845	-0.069585
328	-0.00909	-0.082539	-0.015989	0.021572	0.049109	-0.012866	0.032825	0.036761	-0.034914	-0.019963	-0.064031	0.084516	-0.019408	0.055712

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
329	-0.012836	-0.023507	-0.003367	-0.052395	0.042673	0.016767	0.022099	-0.018484	-0.000802	0.034134	-0.00648	-0.062706	-0.014047	0.008993
330	0.014138	0.006318	0.033446	0.064569	-0.031567	-0.012647	-0.023042	-0.011968	-0.024646	-0.041465	0.02576	0.020986	0.0164	0.009144
331	0.005357	0.00072	0.01129	0.025319	0.023465	-0.028541	-0.021019	-0.017466	-0.01584	-0.025746	-0.037132	-0.007612	0.007213	-0.003607
332	0.002115	0.046124	-0.024403	-0.05371	-0.056987	-0.045484	-0.038538	-0.019293	-0.037561	0.009578	0.002504	-0.03287	0.060795	-0.045153
333	-0.024172	0.013515	0.02598	0.033271	-0.017511	-0.033359	0.049169	-0.007704	0.007593	0.024869	-0.028813	-0.015703	-0.016263	-0.008492
334	-0.024637	0.07834	-0.063234	0.011834	0.010309	-0.009061	-0.01831	-0.001061	0.008494	0.030634	-0.05951	0.039359	0.070039	0.030164
335	0.004995	0.010041	0.012123	0.092804	-0.042778	-0.025857	0.037118	-0.029187	-0.03432	-0.054484	-0.006472	0.002525	0.036398	-0.02554
336	-0.025221	-0.009373	0.019297	-0.055785	-0.045466	0.02331	-0.03875	-0.035365	0.003379	0.037418	-0.016755	-0.053525	0.01182	0.006538
337	0.026828	0.006478	0.019906	-0.02427	-0.081658	-0.036211	-0.017802	0.064448	0.065232	0.078282	-0.035131	-0.024022	0.028299	0.01255
338	-0.008144	-0.034272	-0.026748	-0.006729	0.001113	-0.007817	0.002851	-0.050965	0.030706	0.012494	-0.040359	-0.064651	-0.02427	0.005677
339	-0.005664	-0.023009	0.051697	0.041074	-0.055335	0.081125	-0.099219	0.043554	-0.011153	0.024534	-0.006521	-0.017415	-0.005217	-0.037926
340	-0.009946	0.024019	0.029022	-0.006916	-0.011917	-0.004936	-0.006074	0.0144	0.000442	0.01515	-0.038307	0.004723	0.028489	0.016786

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
1	-0.014525	-0.168975	-0.038303	-0.185663	-0.069341	-0.046869	0.015273	0.003979	0.078718	0.085511	0.071294	0.013956	-0.066994	-0.010726
2	0.025705	0.034309	0.070151	0.047973	0.082674	0.106411	-0.060356	-0.010845	0.090166	0.024991	0.067372	0.069336	0.032351	0.060609
3	-0.090862	0.056651	0.087171	0.121042	0.089224	0.095317	0.01591	0.104554	-0.004529	-0.072416	-0.070226	0.080109	0.149147	0.108975
4	0.039392	0.140663	-0.034279	0.0566	0.08213	-0.06958	0.069952	0.073971	0.012328	-0.085022	0.008717	0.018204	0.107433	0.060031
5	-0.0745	0.01806	-0.061089	0.088823	0.018006	0.000162	-0.060524	-0.036651	-0.005777	-0.004001	-0.047759	0.002999	-0.036129	-0.016098
6	-0.103469	-0.061647	0.040112	0.027368	0.092738	-0.002673	0.031112	-0.04923	-0.06233	-0.010958	0.056048	-0.021821	-0.018818	-0.020696
7	0.037347	0.016802	-0.099247	-0.023271	-0.062544	0.018056	-0.011392	-0.076823	-0.055836	-0.070526	0.000282	-0.043165	-0.011793	0.056061
8	0.09732	0.070082	0.047653	-0.045092	-0.000669	-0.126444	-0.022364	-0.145006	-0.011256	0.051168	-0.03518	0.00258	0.084002	-0.025625
9	0.02307	0.019112	0.084355	-0.001044	-0.089451	0.033151	0.028892	-0.017601	-0.001684	0.002285	-0.043859	0.05	-0.02879	-0.10585
10	0.067778	0.008101	-0.035592	0.098985	-0.113816	-0.042201	-0.081443	0.0704	0.005759	0.007879	0.033901	0.021411	0.071623	-0.08987
11	0.023367	0.037376	0.04735	0.035116	0.039362	0.060572	0.063776	-0.004981	0.048799	-0.031544	-0.055313	0.042756	0.015364	0.014996
12	0.004075	0.017476	-0.056769	0.030635	0.016279	0.044391	0.037927	0.068591	0.029659	-0.058371	-0.024589	-0.004936	-0.026895	0.031109
13	0.086301	-0.025625	-0.033828	-0.041434	-0.089228	0.012284	0.09139	0.079503	-0.024054	0.077003	0.084429	0.054266	-0.003337	0.104273
14	-0.031322	0.061571	-0.055613	-0.021057	-0.057702	-0.02085	-0.014178	0.011263	0.064585	0.115245	-0.010455	0.017677	0.031147	0.058951
15	0.008623	-0.009563	0.014545	0.035859	0.013695	-0.045239	0.01654	-0.069911	-0.067681	-0.080024	-0.112661	-0.212699	-0.057353	-0.013063
16	-0.088137	-0.033539	-0.002589	0.054731	-0.00281	-0.0488	0.014546	0.052685	-0.033502	0.044417	0.016763	0.024352	0.014934	0.029462
17	0.141965	0.07055	-0.061301	0.047082	-0.155597	0.005991	-0.120779	0.072668	-0.082869	0.004993	0.064434	-0.071176	-0.023774	0.043474
18	-0.005359	-0.074613	0.086367	-0.062316	-0.001918	-0.010578	-0.046254	0.015055	-0.041674	-0.048719	-0.082977	-0.031887	-0.072968	-0.032003
19	0.089199	-0.070247	-0.001668	0.015311	-0.014983	0.08699	-0.031146	-0.051938	0.087802	-0.035907	-0.071262	-0.031347	-0.025526	-0.038725
20	0.036	-0.014623	0.015626	0.071898	-0.042961	-0.173556	0.016197	0.011635	-0.088638	0.003801	0.072483	0.007848	0.014012	-0.049651
21	-0.15755	0.030047	0.073222	-0.031201	-0.046334	-0.012716	0.082083	-0.057813	-0.212188	0.038869	-0.076848	0.021954	0.033507	0.042173
22	0.092936	0.066142	0.067105	-0.044856	-0.022555	-0.026323	-0.042577	0.008283	-0.18186	-0.077972	0.038353	-0.072385	0.011367	0.046291
23	0.01366	-0.017823	-0.041373	-0.006098	0.000267	0.012573	0.003576	-0.002016	0.04085	0.009616	-0.075982	-0.013236	-0.040613	-0.033657
24	-0.10728	-0.016046	-0.015507	0.092036	0.008431	0.003755	-0.018753	-0.030347	0.122937	0.012268	0.114627	0.077448	0.066903	-0.037059
25	-0.002031	0.014637	-0.016434	-0.036963	0.080933	-0.162979	-0.037174	0.001965	0.152441	0.02648	0.02934	0.07019	0.011242	0.017874
26	-0.042928	-0.009043	0.032256	-0.024029	-0.034196	0.050855	-0.04143	0.132715	-0.039912	-0.007893	0.117138	-0.121927	0.011382	-0.08782
27	0.06075	0.012488	-0.066915	0.00508	0.079938	-0.016789	0.034354	0.030429	0.039434	0.00496	0.084044	-0.077498	0.091671	0.054805
28	-0.175012	0.043099	0.032128	-0.021414	-0.002462	-0.108634	-0.115429	-0.053965	0.063247	0.057729	-0.009096	-0.039081	-0.011299	0.01102
29	-0.03461	0.056173	0.071644	-0.001923	-0.066115	0.029003	-0.045241	0.072916	0.046331	0.019945	0.091635	0.041069	-0.072773	0.024553
30	0.029805	0.000007	0.014704	0.067139	0.008679	-0.000257	-0.039263	0.004752	-0.110988	-0.034932	0.06531	-0.062848	-0.026807	0.029197
31	0.103465	-0.030906	0.000572	-0.017024	-0.111426	-0.072272	0.045879	0.009137	0.025557	0.012941	0.060215	0.005194	-0.06714	0.108079
32	-0.05409	0.002431	0.016927	-0.000156	0.020841	-0.05116	-0.056318	-0.016089	-0.075248	0.103054	-0.021504	-0.015849	-0.064666	0.043658
33	0.016431	-0.073117	-0.032936	0.006843	-0.006425	0.041679	-0.011655	-0.13333	0.033507	-0.039203	0.072994	0.122463	-0.043279	-0.053097
34	0.03365	-0.029639	-0.045645	-0.053878	-0.116319	-0.123756	-0.030492	-0.020474	-0.051412	-0.094655	0.103581	0.053479	-0.012614	0.016356
35	0.037216	-0.052671	-0.055321	-0.016568	-0.000703	-0.105098	-0.011086	0.04151	-0.023723	-0.052956	0.063909	-0.083117	-0.080965	-0.064176
36	-0.015022	-0.008107	0.01898	-0.113113	-0.040159	-0.007893	0.101153	-0.036	0.008147	0.080149	-0.09667	-0.032262	0.072286	-0.035185
37	0.101209	-0.036859	0.059484	-0.056183	0.03406	0.050362	-0.029652	0.085813	-0.024677	0.017032	-0.135647	0.117224	-0.078426	-0.048641
38	0.037222	-0.014971	0.03217	-0.071398	0.015496	0.056027	-0.006652	0.005429	-0.026023	-0.06398	0.094736	-0.039986	-0.027164	0.02102
39	0.002317	-0.018378	-0.075874	0.050315	-0.032793	-0.00072	0.012278	0.009524	0.066665	-0.104779	0.016309	0.004831	-0.015741	0.153074
40	0.048651	0.088569	0.067857	0.097484	-0.008639	-0.063805	0.033619	-0.050225	-0.081418	-0.019093	-0.119635	0.170884	0.082664	0.071017
41	-0.004611	-0.064852	-0.007463	0.006012	0.020712	0.023306	-0.04037	-0.015204	-0.01974	-0.061348	-0.020555	0.040384	-0.059347	-0.023387

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
42	-0.025304	-0.049154	-0.048638	0.041805	-0.085383	-0.094738	-0.016151	-0.025202	-0.060839	0.172803	0.063091	-0.071512	0.044733	0.02473
43	0.033032	0.085673	0.032283	-0.010559	0.008563	-0.006594	-0.070274	-0.201432	-0.00613	0.088643	0.025189	-0.023023	0.098637	-0.020505
44	-0.024512	0.072762	0.059209	0.021817	0.07806	0.047872	-0.028735	0.052334	-0.01749	-0.035508	-0.056022	-0.151049	-0.027303	-0.099411
45	0.010787	-0.006475	-0.048376	-0.021389	-0.016009	0.067671	0.053814	0.171782	-0.0332	-0.080632	0.012302	0.12671	0.031551	-0.00699
46	-0.002178	-0.002391	-0.058597	-0.033822	-0.012914	0.044952	0.071434	-0.042186	0.046346	-0.042093	0.060834	0.063691	-0.078198	-0.076059
47	0.035785	0.043792	0.069637	-0.028016	0.01609	0.072137	0.051972	-0.099032	-0.06493	0.064801	-0.128942	0.014999	0.053426	0.007237
48	-0.007956	0.010476	-0.060146	0.005613	-0.034016	0.05701	-0.116635	-0.039636	0.071731	0.026942	0.077713	-0.055781	0.02945	0.042639
49	-0.044217	0.066308	0.083256	0.025935	0.046289	-0.066045	0.042433	0.119077	0.072246	0.092221	0.014934	-0.00098	0.029666	0.052787
50	0.030416	0.031483	0.024877	-0.048153	0.050982	-0.042446	0.04361	0.015997	-0.116528	-0.039533	0.081362	-0.070763	0.027865	0.092743
51	0.045689	0.012512	0.035446	0.034015	-0.04509	0.00386	0.055075	-0.064719	-0.005909	0.183615	0.031873	0.061014	0.057449	0.026564
52	0.073127	-0.060325	0.032292	-0.025418	-0.112548	-0.002377	0.024255	0.059642	-0.042979	0.102786	-0.088342	-0.00344	-0.052038	0.030961
53	-0.082629	-0.021448	-0.051687	0.018861	-0.04485	-0.002475	-0.03618	0.023111	-0.029439	-0.069218	-0.058344	-0.030728	0.031378	-0.057153
54	-0.000922	-0.033301	-0.051328	-0.026223	0.094662	0.011859	-0.023176	0.088522	-0.133572	0.036015	-0.061981	-0.095898	0.005519	-0.076672
55	0.029514	-0.035717	0.03489	-0.029478	0.019185	0.013573	0.030136	-0.025038	0.004333	0.023179	0.055582	-0.008103	-0.063322	-0.014018
56	-0.084336	-0.066898	-0.070909	-0.04272	-0.049762	0.144367	-0.033939	0.103396	-0.030601	-0.070087	-0.031575	0.134252	-0.080385	0.043989
57	-0.079224	0.012093	-0.080359	-0.039655	0.016599	-0.044718	-0.069251	-0.036539	-0.083876	0.000675	-0.025681	0.064049	0.010312	0.004312
58	-0.063998	0.021585	-0.045799	-0.036654	0.000499	0.069162	0.078859	-0.00927	-0.098716	-0.143028	0.005426	0.073313	-0.009001	0.036291
59	-0.018893	-0.063704	-0.016694	0.033446	-0.078596	-0.061941	0.086934	-0.043319	-0.039992	-0.004978	0.039113	-0.041354	0.021369	-0.029566
60	-0.106221	0.063659	0.010072	-0.0312	-0.067742	0.047472	0.016312	0.126021	-0.089468	-0.14352	-0.070827	0.0388	0.067634	-0.162894
61	-0.016261	-0.011539	0.033807	0.008556	0.071536	0.063562	-0.002082	0.099929	-0.055415	0.071681	-0.081563	0.019904	-0.02864	-0.048972
62	0.107704	0.021151	0.1294	0.030418	-0.087105	0.02084	0.065997	0.26292	0.053553	0.011918	0.005953	0.021028	-0.018567	0.120786
63	-0.025922	-0.068808	-0.095654	-0.070243	0.030843	-0.039574	-0.02195	-0.095903	0.123693	0.015146	-0.052512	-0.154886	-0.066575	-0.009064
64	-0.021034	-0.02423	0.034808	-0.024037	-0.012145	-0.009025	0.006204	-0.011242	0.016203	0.022825	0.01061	0.029856	0.000474	0.019358
65	0.038016	0.017241	0.013848	0.000378	0.088303	-0.00123	-0.018349	0.052162	-0.122125	0.07123	-0.038304	-0.05031	0.029398	-0.075496
66	0.085415	0.035911	0.050196	-0.020037	0.030626	0.070166	-0.067096	-0.040324	-0.09169	-0.083239	0.013654	0.063074	0.027595	0.102678
67	-0.060186	0.045549	0.050675	0.040962	-0.000047	0.007785	0.113625	0.011029	0.142057	0.012475	0.037805	-0.014057	0.051327	0.028526
68	0.066282	-0.070572	0.012397	-0.027147	-0.045984	-0.027518	-0.000562	0.002738	-0.060376	0.01398	-0.017256	-0.060561	0.019762	0.002294
69	-0.065823	-0.046576	0.043614	-0.000729	-0.126571	0.011211	0.088225	-0.051701	0.040598	0.09647	-0.103967	0.006331	-0.034051	-0.228361
70	0.084483	0.078535	-0.024048	0.027266	-0.142699	0.079272	-0.035351	-0.111209	0.139601	0.039967	0.035509	0.109701	0.049869	-0.111881
71	0.02414	-0.031867	-0.016307	0.074189	0.054907	0.041132	0.042501	0.035089	0.103367	0.070647	0.057021	0.002439	-0.030003	-0.024529
72	0.086308	0.028217	-0.013779	-0.061529	-0.022397	-0.032594	0.097241	-0.137297	-0.023067	-0.216655	-0.047668	-0.006062	-0.147977	-0.021291
73	0.015655	-0.026303	-0.017564	-0.008919	0.039715	-0.082934	-0.097244	0.077586	-0.134787	0.113918	0.158351	0.081597	-0.064769	-0.115238
74	0.005789	0.003035	-0.043329	0.002197	0.025327	-0.001475	0.005958	-0.032641	0.007313	0.028468	-0.032047	-0.036029	0.047571	0.08715
75	0.080361	0.028507	0.051419	-0.013199	0.091562	-0.098158	-0.050017	0.116315	0.061572	0.014547	-0.168591	-0.181881	-0.005785	0.139181
76	0.021166	-0.058021	0.007244	-0.073782	0.034656	0.06147	-0.127407	0.117726	-0.016913	-0.152015	0.055095	0.101836	-0.048213	-0.031171
77	-0.141742	-0.043614	0.050179	0.080489	0.130514	-0.026763	0.02228	-0.013436	-0.1259	0.061144	0.019218	0.01042	0.00866	0.01325
78	-0.131989	-0.045863	-0.053865	-0.068078	-0.001023	0.097675	0.072781	-0.056557	-0.122328	-0.044338	0.091958	0.028816	0.081023	0.052938
79	0.081805	0.093189	0.023285	0.073618	0.095294	-0.001107	-0.046785	-0.10643	-0.063457	-0.10013	-0.017036	-0.015949	0.077549	0.093024
80	0.024937	-0.054236	0.057927	-0.0195	-0.077053	0.007907	0.00668	-0.094922	0.014993	0.007217	0.046541	0.033855	-0.012405	-0.03642
81	-0.002926	0.034115	0.022578	0.010481	0.05371	-0.077473	0.021238	0.010569	-0.001845	-0.070812	-0.017755	-0.025822	-0.102087	-0.131555
82	-0.062493	-0.141264	-0.124484	-0.041006	0.064492	-0.12045	0.19	0.169549	0.018371	-0.009861	-0.050807	-0.034659	0.048028	0.090234

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
83	0.0122	0.022363	0.088708	0.035029	0.012267	0.186365	0.077468	-0.034177	-0.008869	0.086838	0.059437	0.105219	0.05844	-0.055699
84	-0.063907	-0.049004	0.009422	-0.000723	-0.006072	0.087432	0.007873	-0.097678	0.016225	0.033357	0.063291	-0.020207	0.019065	-0.068432
85	-0.030225	0.035115	-0.085718	-0.032526	0.02774	0.10738	0.000182	0.088235	0.062051	0.107305	0.0181	0.023328	0.079762	0.055078
86	-0.081674	0.065831	0.091508	0.018937	0.037526	-0.136271	-0.045965	-0.003113	0.189321	-0.190466	-0.075457	-0.104553	0.106756	0.026927
87	-0.02686	-0.004861	-0.079822	-0.010335	0.035711	0.132408	0.08122	-0.0702	-0.177943	0.138657	0.03883	-0.171914	-0.01314	-0.042954
88	0.165634	0.043533	-0.136604	0.157887	-0.066137	-0.00528	-0.04103	0.093517	-0.11133	0.05283	-0.14122	0.029325	-0.026568	0.046464
89	-0.149692	0.059351	0.007176	-0.039368	0.015296	0.057411	-0.068175	0.015748	0.023586	-0.064211	0.068817	-0.131404	-0.028682	-0.094658
90	-0.091071	0.059367	0.001555	-0.02893	-0.108102	0.058055	-0.007757	-0.05323	0.016253	-0.016848	-0.130703	0.037959	0.030174	-0.100271
91	-0.106067	0.020995	0.083767	0.061968	-0.058852	0.108339	-0.029765	-0.080349	0.153504	-0.030853	-0.078379	-0.093243	0.003993	0.223065
92	0.124415	-0.07002	0.031762	-0.060683	0.031967	-0.010919	-0.002705	0.016104	-0.043652	-0.162517	-0.173496	0.055414	-0.005967	0.024988
93	0.068218	0.013915	-0.018024	0.029038	0.013034	0.040445	-0.045579	-0.098272	-0.111067	-0.022642	-0.036674	0.101092	0.085168	0.025804
94	0.072018	0.065409	0.018338	-0.009238	0.059158	-0.019025	-0.069459	0.074076	-0.045109	-0.000947	0.037343	0.108506	0.068688	0.072067
95	0.03007	-0.004181	0.036122	-0.03094	-0.058287	0.054127	0.009501	-0.062639	0.055661	0.191473	0.030447	0.006765	-0.014835	0.027299
96	-0.032696	0.020628	0.041594	0.042944	-0.010573	-0.061369	0.155147	0.042154	-0.055959	-0.044888	-0.076912	0.054582	-0.06984	-0.068534
97	-0.034097	0.060468	-0.013215	0.011452	0.101088	0.03151	0.009301	0.055199	0.05765	-0.081618	0.038195	-0.00752	0.035348	0.002732
98	-0.043791	0.102213	0.033782	-0.024709	-0.056302	0.184101	-0.080187	0.061286	0.062082	0.039492	0.069859	0.042585	-0.042119	-0.102402
99	-0.032692	0.004856	-0.045195	0.110389	0.00525	-0.005155	0.018173	-0.003411	-0.156603	0.003476	0.037372	0.024873	-0.024959	-0.04539
100	0.085941	-0.077329	0.045146	0.010208	0.054797	0.103338	-0.067128	0.002609	-0.04456	-0.103739	0.133292	-0.046062	0.05219	-0.011145
101	0.045924	-0.11987	-0.109095	0.010461	-0.028191	-0.115088	0.029695	-0.115026	-0.073238	0.109669	-0.134439	0.079366	-0.086429	0.054167
102	-0.084581	0.00233	0.05645	-0.016833	-0.098765	0.02183	0.04402	0.152067	-0.059618	-0.018629	-0.006182	-0.069636	0.085417	0.043675
103	0.057928	0.046169	0.034715	-0.042657	0.119451	-0.016358	-0.081191	0.050351	-0.049907	-0.039927	0.027968	-0.006378	-0.035296	-0.119811
104	-0.079826	0.010387	0.040539	-0.000613	-0.056836	-0.018007	0.045933	-0.066914	0.053174	0.034264	-0.067026	0.058308	0.01436	0.048405
105	-0.015812	-0.003849	-0.008722	-0.056872	0.043422	0.0785	0.006067	-0.008537	0.017976	0.001864	0.009517	0.010043	0.037293	-0.017713
106	0.0091	-0.006237	-0.046434	0.009905	-0.023441	-0.164185	-0.04866	-0.0158	-0.070062	-0.151705	0.059854	0.026802	-0.046462	-0.024323
107	0.012055	0.097768	0.024229	0.092992	-0.056476	0.077802	-0.07698	0.05877	0.013221	0.045308	-0.005809	-0.042869	-0.061058	0.040534
108	0.023228	0.077123	-0.021312	0.032196	0.013889	0.015289	0.01634	-0.043149	-0.008042	-0.057748	0.064433	-0.106488	-0.03755	-0.075829
109	0.064355	0.029884	-0.083966	0.040851	-0.027828	0.026173	0.068535	-0.060615	-0.009131	-0.037505	-0.035693	0.026571	0.065438	0.070248
110	-0.088757	-0.046386	-0.082481	-0.033714	0.011928	0.041351	0.001505	-0.006527	-0.050857	-0.050987	-0.055707	-0.016652	0.033934	0.053746
111	0.046867	-0.012445	0.090398	-0.075593	-0.056418	-0.012498	0.008376	-0.044664	0.012017	0.004626	0.038339	0.009529	-0.035148	0.044687
112	0.066811	-0.0088	0.032874	0.01092	-0.027264	0.043474	0.011657	-0.032089	-0.052069	-0.018074	-0.059711	-0.033795	-0.019888	0.022992
113	0.047033	0.005539	-0.079118	0.043148	0.042366	0.016853	-0.021899	-0.082288	0.039321	-0.065072	0.036725	0.00958	0.087195	-0.062769
114	-0.02772	-0.070642	0.054764	-0.037495	0.02276	0.04262	0.07575	-0.011986	0.069621	0.004536	0.007549	-0.035073	-0.061578	-0.044128
115	0.045887	-0.001897	0.015868	-0.071821	-0.031369	0.02055	0.08045	0.019306	0.025594	0.090048	0.021145	0.01171	-0.039011	-0.062866
116	-0.093552	0.018318	0.008369	-0.003315	-0.016254	-0.038808	0.0388	0.040184	0.035364	0.002944	-0.036413	-0.023283	0.041057	0.004187
117	-0.103601	0.01959	-0.068126	0.031911	0.043844	0.023061	-0.017061	-0.063163	0.020358	0.150692	-0.188988	-0.020233	0.015139	0.007036
118	0.016904	-0.02569	0.022546	-0.028794	-0.052922	-0.014651	0.016474	-0.037032	-0.093635	-0.033556	0.093881	-0.095518	0.08115	0.011095
119	0.015289	-0.021917	-0.041444	-0.066303	-0.137161	-0.089653	-0.120132	0.069099	0.059243	-0.123902	-0.012994	0.066932	-0.073564	-0.035374
120	-0.025581	-0.097673	0.068495	0.057182	-0.065652	-0.020867	-0.031751	-0.044822	0.073348	-0.03476	-0.108175	0.053986	-0.145039	0.012368
121	0.017481	0.127414	0.105259	-0.02392	0.076944	-0.081203	0.083988	-0.017582	-0.083995	-0.102378	0.043371	0.109153	0.028917	-0.091512
122	0.037208	-0.007355	-0.075796	0.033961	0.067234	-0.039089	-0.015776	0.089021	-0.037391	0.085264	0.028563	0.017795	-0.03406	0.09301
123	-0.147694	-0.060042	0.023684	-0.001623	-0.035037	-0.040837	0.080606	-0.054113	-0.059881	0.009346	0.030926	0.171614	0.069754	0.006646

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
124	0.001794	-0.036973	-0.092085	-0.049431	0.113936	0.110747	0.122116	0.13508	0.057108	0.043643	-0.067997	0.05219	0.049038	-0.07002
125	-0.019374	0.050647	0.067839	-0.036838	-0.066677	-0.168579	-0.120466	0.055672	0.046522	0.022154	0.151954	0.007681	0.0461	-0.034917
126	-0.06842	-0.103667	0.018091	-0.076479	-0.031151	0.175405	-0.100452	-0.096583	-0.052996	-0.067172	-0.113732	-0.080129	0.091233	0.039201
127	0.114847	0.006207	0.143709	-0.022428	-0.033419	-0.009625	0.044193	-0.003743	-0.020344	0.059076	-0.035745	0.029651	0.007724	0.004736
128	-0.072196	0.041069	0.065319	0.090347	0.042379	-0.050539	-0.132387	0.003887	-0.038419	0.129442	-0.014363	-0.02738	0.014459	0.015775
129	0.013762	-0.02054	-0.034257	0.029425	-0.024382	-0.016747	-0.024301	-0.036938	0.009757	-0.021475	-0.038938	-0.045905	0.072286	-0.002141
130	-0.108674	0.073681	-0.015231	-0.065194	-0.027399	-0.060235	0.006543	-0.023227	-0.05583	-0.019077	-0.039982	0.039083	0.079023	0.028497
131	0.065041	0.015087	0.017963	0.037029	-0.07355	-0.073539	0.181145	0.012321	0.103721	-0.030894	-0.013234	-0.018806	-0.002381	-0.005327
132	0.038864	0.016187	-0.111707	-0.07907	-0.068893	0.011617	-0.025125	0.046955	0.027573	0.059238	-0.046192	0.028064	0.046856	-0.023648
133	-0.029818	-0.113671	0.110663	0.113217	-0.012216	0.017744	0.001887	-0.031218	0.088786	-0.051796	0.0828	-0.009876	0.008801	-0.059229
134	-0.110602	0.016251	0.011182	0.056893	0.048861	-0.027068	-0.026249	0.012126	0.013613	0.062382	0.115152	0.046866	-0.091473	0.011871
135	-0.059744	0.011941	-0.021953	0.009464	0.004727	0.042033	-0.076239	0.011663	-0.051686	-0.084828	0.007874	-0.070185	-0.018952	0.072152
136	0.06646	-0.009907	-0.007276	-0.067821	-0.014829	0.020552	0.03043	-0.012135	0.005085	-0.043371	0.008909	-0.064364	0.037945	0.000199
137	0.097653	0.024667	0.073744	0.025115	-0.044561	0.029496	0.06363	-0.012024	0.024181	0.035364	-0.060171	0.005652	-0.006051	0.03571
138	0.066966	-0.049002	0.027712	-0.010705	-0.030169	0.097592	-0.064205	-0.03813	0.003851	0.059097	-0.005354	-0.037578	0.061599	-0.032527
139	-0.085048	0.015098	-0.023185	0.05079	-0.052436	0.015164	-0.014061	0.014888	-0.036899	0.001043	-0.048918	0.005943	0.05421	0.02985
140	-0.007483	-0.057764	0.03283	-0.037047	0.012785	0.028615	-0.049489	-0.028892	-0.000442	0.009785	-0.012611	0.041146	-0.01165	-0.009003
141	-0.039051	0.090672	0.000085	0.049126	0.016756	-0.05635	0.021237	-0.007345	0.023944	0.002874	-0.032419	-0.039086	-0.044417	-0.003704
142	-0.016468	-0.030064	-0.084222	-0.107038	-0.120649	-0.01402	-0.051313	0.009276	-0.009699	0.01411	0.040464	-0.046094	-0.121055	-0.044583
143	0.009917	0.050342	-0.006306	0.042592	-0.09048	0.028691	0.010039	-0.02501	0.047577	-0.002376	-0.002479	-0.031862	0.024028	-0.022859
144	-0.024774	0.062923	-0.005638	-0.064888	-0.098242	-0.010843	-0.058876	-0.044558	0.032164	0.010588	0.033277	-0.078055	0.037203	0.044423
145	0.004793	0.004409	-0.057801	-0.049297	-0.001557	0.000709	-0.060975	-0.030919	-0.016537	0.034386	-0.051997	-0.014651	-0.016041	-0.014151
146	0.03769	0.088812	-0.019998	0.003393	0.027776	-0.080278	-0.020925	0.036227	0.010089	0.016928	-0.010459	-0.005293	0.064287	-0.050723
147	-0.058006	0.000611	-0.059516	-0.035114	0.049991	-0.008826	0.048547	0.022963	0.04656	-0.009534	-0.041397	0.006255	0.00056	0.005423
148	-0.038865	0.005166	-0.030493	-0.042862	0.007616	-0.033149	0.05061	0.068228	-0.042702	0.007019	-0.011803	0.023322	-0.034736	-0.022301
149	-0.090662	-0.040269	-0.006983	-0.01818	-0.007226	0.011826	0.026254	-0.019861	-0.062475	-0.078897	0.036152	-0.014933	-0.039525	-0.032469
150	-0.001789	0.012026	0.052214	-0.05173	-0.031086	-0.030433	0.025443	0.068873	-0.071521	-0.036825	0.013105	0.052597	-0.036775	0.01826
151	0.352802	-0.001441	-0.00858	0.017937	0.074687	0.071363	0.008965	-0.008392	0.023029	-0.038364	0.02536	-0.061683	0.077806	-0.058319
152	-0.021556	0.595961	-0.082256	-0.065664	-0.064805	0.021599	-0.010421	-0.035313	0.010639	0.036609	-0.000721	-0.056869	-0.136624	-0.025344
153	0.007956	-0.086761	0.580213	-0.031662	-0.058929	-0.047154	-0.054534	0.009404	-0.059812	0.000362	0.001696	-0.018669	-0.01885	0.006157
154	0.009208	-0.102634	0.000421	0.690172	-0.048298	0.024229	0.020859	-0.000529	-0.018649	-0.026615	0.008159	-0.029789	-0.086572	-0.07486
155	0.048117	-0.028534	-0.029913	-0.051161	0.528445	0.004594	-0.016812	-0.06677	0.053608	0.089172	0.014916	0.072775	-0.065495	-0.019234
156	0.06989	0.001196	-0.03003	-0.035852	-0.028483	0.289798	0.013323	0.00569	-0.028885	-0.031819	0.034709	-0.073706	-0.084315	0.026704
157	0.024066	0.055137	0.015659	0.039903	0.004583	0.016164	0.530292	-0.065492	0.023226	-0.037655	0.08343	-0.079246	-0.037845	-0.056865
158	-0.054888	-0.04167	-0.032872	-0.009715	-0.049807	-0.020682	-0.039866	0.254564	-0.036379	0.046668	-0.06266	-0.047377	0.026662	-0.067788
159	0.073723	0.042978	-0.01728	-0.031995	-0.024765	-0.012532	-0.008928	-0.013686	0.177956	-0.025471	-0.007754	0.021528	-0.005915	-0.026768
160	0.055089	0.001671	0.007262	-0.039793	0.049715	0.014294	-0.021363	0.025514	-0.075294	0.200563	-0.006526	-0.006405	-0.08819	0.015771
161	0.012252	-0.002471	-0.006865	0.031647	0.053504	0.011527	0.054153	-0.031049	-0.002583	-0.027178	0.313999	0.028055	-0.020876	0.048178
162	-0.031232	-0.021782	-0.000824	-0.000102	0.088807	-0.061143	-0.078686	-0.023481	-0.003385	-0.006033	-0.032148	0.312814	-0.050817	0.013152
163	0.054612	-0.154897	-0.013399	-0.036012	-0.075369	-0.027681	-0.011246	0.033596	0.035825	0.013524	0.011024	-0.000772	0.562071	-0.070658
164	-0.102752	-0.036948	0.01064	-0.033888	-0.011477	0.007425	0.034561	-0.043272	-0.061867	-0.016219	0.075069	0.037345	-0.107476	0.451984

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
165	0.023623	-0.031792	-0.071404	-0.03629	-0.027452	0.001897	0.001711	-0.016161	0.01615	-0.034181	-0.009938	-0.039829	-0.040006	0.00383
166	-0.057728	0.041024	-0.023519	-0.002794	0.002974	-0.019009	-0.024952	-0.043849	-0.000911	-0.014214	0.080572	-0.004051	0.079278	-0.00442
167	-0.002611	-0.028099	-0.000774	0.013823	0.058782	-0.016869	0.032676	0.029023	0.018346	-0.00725	-0.01564	0.018395	-0.023191	-0.023896
168	-0.032773	-0.001341	0.00622	-0.033223	0.065612	0.028902	-0.011346	0.080277	0.02267	0.0792	0.007092	0.051868	-0.091672	-0.029231
169	0.035072	0.011349	-0.005288	0.023393	-0.034735	0.00072	0.006477	0.051217	-0.01799	0.034117	0.03396	-0.044774	-0.007786	-0.020748
170	0.018218	-0.047932	-0.027633	-0.029265	-0.033893	-0.006608	0.063257	0.030632	-0.055174	-0.003576	0.009642	-0.050272	0.007733	-0.033352
171	-0.007618	-0.007917	-0.01918	0.040729	0.005967	-0.039122	-0.001942	0.042914	-0.032388	-0.003285	0.018299	-0.043654	-0.010261	0.030003
172	-0.011909	0.046259	-0.004342	0.015518	-0.061177	-0.011695	0.018507	0.024027	0.011682	0.039595	0.008995	-0.008228	0.026054	0.017981
173	0.032344	0.02506	-0.030261	-0.013258	0.004371	-0.00684	0.028974	0.008494	0.006972	-0.020524	-0.029316	-0.032945	0.003034	-0.017939
174	-0.026085	0.027494	-0.034232	-0.010141	-0.020089	0.041572	0.077825	-0.009799	-0.029398	-0.024471	-0.054132	0.051088	-0.021958	-0.021188
175	0.019341	-0.059407	0.014062	0.005626	-0.104832	0.006772	-0.016594	0.029199	0.054185	-0.042602	-0.014561	-0.01446	0.017877	0.02351
176	-0.020367	-0.006432	-0.029958	0.043876	0.049653	-0.004271	-0.037902	-0.06039	-0.005955	0.022981	-0.029796	0.022929	0.041655	0.043895
177	0.022184	0.000684	0.013633	-0.037951	0.03537	0.015432	-0.015232	-0.045722	-0.044643	-0.038594	-0.004984	-0.081425	0.01698	0.031828
178	0.020677	-0.001011	0.001755	0.001645	-0.003856	0.021153	0.021047	-0.040974	-0.009756	0.018747	-0.02453	-0.032959	-0.003729	0.034878
179	0.000664	-0.012842	-0.005082	-0.012417	0.017375	-0.001987	0.035147	0.040363	-0.023891	0.026226	0.003823	-0.031017	0.018382	0.033811
180	0.025478	-0.030593	-0.017232	-0.008184	0.022956	-0.014351	0.009628	-0.003369	-0.006625	-0.002551	0.00824	-0.031672	-0.014619	0.003713
181	-0.013227	-0.032907	-0.038273	-0.004243	0.011956	-0.01402	-0.00325	-0.01695	-0.01878	-0.000831	0.020137	-0.02655	0.014138	0.004343
182	0.007309	0.00826	0.016084	-0.066206	-0.009514	-0.010101	0.035814	-0.040965	-0.047799	0.0075	0.050277	0.014105	0.019427	-0.01296
183	-0.03837	0.015713	-0.004475	-0.014586	0.009437	-0.013594	0.016434	-0.002048	-0.0349	-0.011934	0.038501	0.002998	0.037113	0.01532
184	-0.049893	-0.005897	-0.040993	0.064954	-0.002168	-0.017715	-0.014553	-0.060531	0.023715	-0.060645	-0.017847	0.010762	-0.004207	0.07336
185	-0.000162	0.010039	-0.079492	0.033875	-0.029472	-0.025655	-0.000786	0.010829	0.020316	-0.000391	0.023674	0.039959	-0.012133	0.003584
186	-0.022823	-0.045588	-0.007745	0.023247	0.009038	0.067047	-0.04155	0.021097	-0.018816	0.015553	-0.025983	-0.011167	0.014924	-0.054383
187	0.055577	0.039976	-0.018917	0.01355	0.010415	-0.005875	-0.019635	-0.070514	-0.010112	0.053054	0.001948	-0.000888	-0.001318	-0.011639
188	0.014561	0.033868	0.003006	-0.013443	-0.021523	-0.017348	0.01611	-0.065804	-0.016605	0.027314	0.012392	0.008396	0.004823	0.016906
189	0.005326	0.057127	0.024585	-0.013315	0.010873	0.014184	-0.043782	-0.009844	0.002683	0.037116	0.012171	0.04677	0.009483	-0.039092
190	-0.062897	0.019865	-0.00039	0.017977	-0.004472	0.056381	-0.049666	-0.021652	-0.029311	-0.049167	-0.024744	-0.054412	0.011717	0.036237
191	0.041422	0.008676	-0.017762	0.019841	-0.022858	-0.036304	-0.05573	0.038893	0.016413	-0.015408	-0.038327	-0.033806	0.02254	0.103874
192	0.070254	0.018218	0.004698	-0.013738	0.030416	-0.036077	0.010859	0.046853	-0.016868	-0.065492	0.015077	0.033338	0.003279	0.003335
193	0.037835	0.007004	-0.055569	-0.041743	0.010667	-0.054176	0.013367	-0.042267	0.02194	-0.028948	-0.020767	0.014599	0.020069	0.029888
194	-0.020162	-0.096413	-0.009965	0.044003	0.00418	0.002659	0.027483	-0.04942	0.049645	-0.011667	0.031825	-0.037603	-0.00858	0.001931
195	0.034803	0.031663	0.056929	-0.023032	0.051683	0.031349	-0.024265	0.014721	-0.003285	-0.076912	-0.055489	0.009066	0.007667	-0.000762
196	0.023038	0.010278	0.038582	0.020477	0.013871	-0.065574	-0.018588	-0.004977	-0.012192	0.023092	-0.043534	-0.023962	0.057994	0.025909
197	0.014619	0.018843	-0.059598	0.02852	-0.033344	-0.033926	-0.0127	-0.029149	-0.040483	0.015325	-0.024177	0.00058	0.019028	-0.015242
198	0.049555	0.010091	-0.01657	0.015277	-0.005162	0.000712	0.047811	0.014265	-0.029415	0.047717	-0.081311	0.017116	-0.034862	0.038024
199	-0.018873	0.028677	0.018804	-0.004263	-0.002864	-0.039463	-0.046534	0.06179	-0.09637	0.038278	0.033028	-0.010901	-0.010799	-0.026569
200	-0.0077	0.014792	-0.049401	0.004068	0.012458	0.014197	0.02496	0.024362	-0.052872	-0.019993	0.013992	0.075875	0.006753	-0.030613
201	-0.016134	-0.013408	0.007405	0.001396	0.025095	-0.01549	-0.020694	0.028529	0.07529	-0.069973	-0.057782	0.003776	-0.0053	-0.03238
202	-0.041005	0.008582	0.020345	-0.006484	-0.063931	-0.01247	0.007167	-0.008442	-0.073765	0.053262	0.129728	-0.044887	-0.000501	-0.024027
203	0.024459	0.01906	-0.040958	0.031502	-0.008195	0.0293	-0.055811	0.027587	-0.033304	-0.016001	-0.046643	0.037089	0.030727	-0.029354
204	-0.020823	-0.061177	0.026758	-0.025286	-0.001621	0.039423	0.001507	-0.013584	-0.047837	0.037025	-0.023156	0.028929	0.058129	0.020111
205	-0.048351	-0.027711	-0.05552	-0.038903	0.038819	-0.023172	-0.009227	0.026212	0.008741	0.056404	-0.068023	-0.007424	-0.061147	-0.042196

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
206	0.015942	0.012616	0.044879	-0.040669	0.0509	-0.065944	-0.001809	-0.068603	0.088604	-0.001431	-0.021593	0.070204	-0.026925	-0.023388
207	-0.007703	-0.002325	-0.00301	0.072781	0.051462	0.017606	-0.072636	0.014855	0.032972	0.01451	0.011425	-0.014048	-0.01306	-0.055963
208	-0.006008	-0.010078	-0.023065	0.030445	0.002105	0.030334	0.017905	0.033342	0.009924	0.009029	0.072479	0.02553	0.006865	-0.015853
209	-0.03435	0.002181	0.091398	0.033805	-0.044462	-0.047594	0.009454	-0.015354	-0.016644	0.01698	-0.092005	0.03231	-0.059806	0.029701
210	-0.080262	-0.053642	-0.033448	0.009149	-0.063916	-0.015727	-0.008693	0.005305	0.038573	-0.026567	-0.095201	-0.068823	-0.036789	-0.018612
211	0.046141	0.075317	-0.034292	-0.020731	-0.016881	-0.010897	0.040661	0.045285	-0.036852	0.03919	-0.014008	-0.013728	0.092032	-0.01211
212	0.02987	-0.014927	-0.016871	0.004399	-0.02933	-0.020755	-0.043259	-0.013527	-0.002798	0.038756	0.037949	0.005738	-0.047468	0.01645
213	-0.028378	0.064105	0.056935	0.02324	0.00262	-0.003254	0.045486	0.033023	-0.046128	0.032979	-0.039478	0.056499	-0.010185	0.031517
214	0.042929	-0.001219	0.02367	-0.010731	0.035934	-0.042604	-0.002743	0.030046	-0.000502	0.011446	-0.01002	-0.061841	0.010318	0.00602
215	-0.050174	0.072045	-0.022262	-0.033855	0.023241	0.013457	-0.019963	-0.039929	-0.030011	-0.026951	0.003566	0.011421	0.011421	-0.011536
216	-0.045126	-0.021726	0.006767	0.02373	0.040832	0.019745	-0.013746	0.016816	0.006122	0.004555	-0.009943	0.006843	-0.030343	-0.015483
217	-0.062793	0.092514	0.092365	0.006375	0.026618	-0.026121	0.015907	0.049759	-0.04019	0.020587	0.0314	0.007752	-0.023511	-0.012972
218	0.071289	0.002113	-0.025745	-0.014644	0.040518	0.025484	-0.002935	0.041252	0.017474	0.044659	-0.036867	-0.013851	0.013072	-0.005319
219	0.006858	0.030293	-0.043312	0.028327	0.047239	-0.013183	-0.046297	0.005008	-0.029383	0.059756	-0.074542	-0.035027	0.052169	-0.028528
220	0.019143	0.006625	0.026972	-0.014454	0.032627	-0.013464	0.005536	-0.059462	-0.064573	0.060737	0.038592	-0.021089	-0.015045	0.001781
221	0.005305	-0.033902	-0.017695	-0.056046	0.005068	0.002542	0.025803	0.055294	0.067576	-0.000601	0.027711	-0.026168	0.017461	0.035884
222	0.006753	-0.061896	0.041501	-0.031559	-0.00022	-0.004239	0.011575	-0.021944	-0.002653	-0.015019	0.020766	-0.031064	-0.04429	-0.004391
223	-0.005485	-0.044781	-0.02567	-0.018875	0.046373	0.021356	0.031965	-0.070425	0.008054	-0.021901	-0.003172	-0.0379	-0.043667	-0.019655
224	-0.009145	-0.013801	0.000552	0.04028	0.044669	-0.032984	0.011781	-0.011508	-0.001981	-0.005095	0.011913	0.032452	0.042793	-0.03633
225	0.022275	-0.03428	0.007703	0.033876	-0.005536	0.004407	-0.00028	-0.007241	0.037373	0.003002	0.036054	0.023342	0.010762	-0.01101
226	0.010131	0.021483	-0.024976	-0.024719	-0.002467	0.017604	0.009553	0.004374	0.013828	-0.014029	0.003385	-0.046003	-0.005761	0.051709
227	0.021783	-0.011386	0.013271	0.025097	0.025073	0.013231	0.009552	0.014932	-0.024254	-0.008266	-0.048736	-0.079774	0.01577	-0.004346
228	0.018825	-0.025302	0.003557	0.063983	-0.003051	0.104002	0.040478	0.028507	0.016551	-0.0167	0.000781	-0.017923	-0.028024	-0.002282
229	-0.052127	-0.030315	0.017139	0.005223	0.008257	0.033383	-0.002243	-0.005243	-0.002928	0.004946	0.064153	-0.075879	0.003888	0.025111
230	0.033017	-0.022874	-0.005928	-0.02532	0.027957	-0.029484	0.054569	0.012192	-0.025556	-0.034216	0.005653	-0.00445	-0.023781	-0.030787
231	-0.010858	-0.039058	-0.015346	-0.0118	0.005466	0.006227	0.013553	-0.032101	-0.022237	0.002511	0.044046	0.098476	-0.021425	0.014672
232	-0.014435	-0.043855	-0.006814	0.011737	-0.007538	0.044834	-0.080234	-0.042146	0.006889	-0.025072	0.021225	0.000264	0.019747	0.037806
233	0.007499	0.043495	-0.042035	0.029175	0.010667	-0.043389	0.017839	-0.030889	-0.020231	-0.007104	0.028442	-0.01562	0.028762	0.068778
234	-0.017798	0.039875	-0.023508	0.032643	0.002605	-0.031174	0.029887	-0.035987	-0.033775	0.020056	0.044686	0.015671	-0.026686	0.001916
235	-0.019534	-0.049358	-0.008763	-0.000126	0.024587	0.04574	-0.062157	0.039713	0.060798	0.017424	-0.029988	-0.06875	-0.036436	0.014575
236	0.05854	0.023696	-0.02001	-0.010668	0.001303	0.007328	0.03288	-0.001817	-0.008037	-0.045756	-0.002545	0.044938	0.002997	0.002121
237	-0.01954	-0.031721	-0.00275	0.026099	0.012429	-0.032312	-0.013189	0.020033	0.01415	0.0031	-0.018304	-0.036784	-0.050833	-0.037991
238	-0.035171	-0.010015	0.012506	0.000005	0.000945	-0.058378	-0.013457	0.00917	-0.016209	-0.051669	0.006406	-0.017001	0.032941	-0.053331
239	-0.006746	-0.02009	0.017672	-0.012029	-0.001582	-0.019897	-0.033737	0.035914	0.01607	-0.012787	-0.015324	0.046489	0.009675	0.020053
240	-0.05243	0.043468	0.023644	-0.013864	0.044071	0.003688	-0.009528	0.050267	0.003839	-0.025905	0.011256	-0.034626	0.02218	0.043859
241	0.041242	0.011372	0.024127	0.02928	-0.022138	0.022386	-0.002031	-0.007809	0.008766	0.013299	-0.025566	0.079342	-0.029573	-0.006133
242	0.023378	-0.025732	0.02278	-0.033632	0.017713	0.013689	0.007564	-0.056431	0.00149	0.004696	0.037162	-0.031757	0.012709	-0.007806
243	-0.034302	-0.040151	-0.059145	-0.003432	-0.031866	-0.034494	-0.023139	-0.045528	-0.048658	-0.020565	-0.027807	-0.003387	-0.014838	0.003935
244	0.0081	-0.008213	-0.038833	-0.006058	-0.046743	0.032624	0.011702	0.021794	0.039997	-0.007739	0.021323	0.053935	-0.005242	0.054108
245	0.048673	0.007203	-0.014952	0.005894	-0.031736	-0.048548	0.035092	0.047548	0.024666	0.028866	0.026346	0.018561	0.022641	0.042897
246	0.025253	-0.019436	0.01724	-0.008692	-0.02317	-0.047251	0.014127	-0.033664	-0.054964	0.03298	-0.013954	-0.033514	-0.011777	-0.025836

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
247	0.00016	0.020744	-0.004185	0.012498	-0.043635	0.013947	-0.023059	-0.050846	-0.04881	-0.032686	0.012558	0.042199	-0.002175	-0.01464
248	-0.002949	0.010872	-0.062692	-0.00389	-0.048459	0.051156	-0.056414	-0.01535	-0.018182	-0.029281	0.033152	0.061274	-0.02443	-0.009334
249	-0.026058	-0.003842	-0.018039	0.013801	-0.017685	0.011958	0.007684	-0.030257	-0.039548	-0.044955	-0.045589	-0.011287	0.01051	-0.022375
250	0.0356	0.042941	0.034941	0.014801	-0.011706	-0.052443	-0.008805	-0.016934	0.020973	-0.00686	-0.004146	0.028167	0.012083	-0.022145
251	0.00091	-0.006206	0.029229	-0.033475	0.004776	-0.036469	0.005392	0.021711	0.062401	-0.007966	-0.021773	-0.021468	0.003738	-0.01175
252	0.010396	-0.01895	-0.009103	0.016042	0.002342	-0.003189	0.045317	0.046973	-0.021508	0.027615	0.009145	-0.023098	-0.011306	0.008849
253	0.009392	-0.009809	-0.002368	0.015282	-0.009366	-0.036149	-0.006389	0.012606	-0.020118	-0.023071	-0.061994	0.023302	-0.019775	-0.011068
254	-0.056314	-0.01022	-0.080664	0.024742	-0.075637	0.041499	-0.008563	0.035901	0.049918	-0.013716	-0.017023	0.008333	-0.010953	-0.014256
255	-0.022034	0.009172	-0.025477	-0.022818	-0.027176	0.028505	0.034836	0.027795	0.00555	-0.001049	-0.014731	0.042516	-0.000112	-0.025691
256	0.000985	0.005549	0.021511	0.016401	-0.022432	-0.015561	0.043732	0.014989	0.040622	0.001788	0.009391	-0.039008	0.011996	-0.028141
257	-0.015119	-0.018487	0.035094	0.02151	-0.017903	-0.000973	-0.034651	-0.000207	0.02252	-0.024014	0.010306	0.00989	0.033541	0.02598
258	0.002061	0.002556	0.024146	-0.030014	-0.061734	0.064384	-0.03816	0.040722	0.008746	0.000246	0.022608	0.063053	-0.038787	0.050846
259	0.034697	0.001451	-0.00664	0.001524	0.012692	0.045868	0.002666	-0.041252	-0.028073	0.007773	0.005087	-0.013945	0.02286	-0.005354
260	0.027437	0.00909	-0.046774	0.076534	-0.004861	0.004149	0.040349	0.014173	-0.028336	0.099881	0.046404	-0.019847	-0.014262	0.031844
261	-0.070989	0.059871	0.025848	0.00696	0.000009	-0.006574	0.047711	0.046577	0.007406	0.012265	0.0243	-0.074274	0.036773	-0.016471
262	-0.030986	-0.014669	0.073235	-0.019562	0.034517	-0.031205	0.018354	-0.00007	0.041166	-0.036083	0.010674	-0.054955	0.01151	0.013029
263	-0.02384	-0.016162	0.023471	0.029836	0.035367	-0.080147	0.00582	-0.004381	0.059038	-0.008193	-0.026801	-0.029173	0.031942	-0.012826
264	-0.022328	0.007578	0.024915	0.042956	-0.012623	0.034284	-0.031253	-0.045971	-0.06718	0.01248	-0.026756	0.013111	-0.047126	0.033737
265	0.00071	0.019579	0.037421	0.007359	0.027825	0.048498	-0.038947	-0.014509	-0.032976	0.005798	-0.00184	0.035443	-0.061462	0.039698
266	0.032966	0.041958	0.001385	0.00843	0.031465	-0.012832	0.000807	0.025144	0.015241	-0.016506	0.026308	-0.003531	0.009434	-0.06903
267	-0.007767	-0.048454	-0.020522	0.015708	0.024189	-0.014028	-0.032831	-0.02482	-0.028015	0.02205	-0.00374	-0.035541	-0.00428	0.031084
268	0.006985	-0.002258	-0.001325	0.010039	0.028054	0.037677	-0.018949	0.015859	-0.008578	0.003782	-0.014691	0.015903	-0.006175	0.037681
269	0.012746	-0.01298	-0.00306	0.004235	0.011185	0.039653	-0.001394	-0.015887	0.016241	-0.029383	-0.009318	0.000831	-0.023154	0.014102
270	0.009646	0.019357	-0.01231	-0.011651	-0.014311	0.012896	0.019176	0.003537	0.008631	-0.003314	-0.017643	0.005718	-0.028356	0.018486
271	0.038466	-0.003302	0.005988	-0.024267	-0.023424	-0.047607	-0.025521	-0.028697	-0.014978	0.03492	-0.029728	0.048364	0.013585	-0.041276
272	0.005023	0.043066	0.004334	-0.014921	-0.024065	-0.030749	0.018317	-0.005607	-0.019921	-0.002024	-0.055641	0.054293	0.003931	0.014958
273	-0.022413	0.05014	0.017879	-0.003147	-0.020755	0.037328	0.019403	-0.00418	-0.039819	0.017843	0.027616	0.029015	0.007074	0.03375
274	-0.019512	0.047483	0.024918	0.000063	-0.011966	0.033414	0.024164	-0.012312	-0.015288	0.019218	0.010795	0.020054	0.002284	0.014339
275	0.026587	0.037627	-0.042417	0.001479	-0.043432	-0.027952	0.017833	-0.014423	-0.063848	-0.015946	-0.019981	0.002511	-0.049921	-0.031687
276	0.033012	-0.00659	-0.001936	0.005458	0.025484	-0.011928	0.002644	0.009979	0.061374	-0.013493	-0.036601	0.02857	0.026412	0.03035
277	0.001203	0.009239	0.036314	0.014103	0.033595	0.049798	0.015075	0.019992	0.027938	-0.009731	-0.017696	0.011292	-0.02789	0.010237
278	-0.03611	0.054305	-0.017066	0.006335	0.014513	0.039242	0.011029	-0.002157	0.00296	0.001863	0.010633	0.034678	0.021476	-0.015698
279	-0.000475	0.012296	-0.010012	-0.022507	0.028499	-0.002413	-0.024867	0.007777	-0.008591	-0.003963	0.000019	0.021327	0.039526	0.00232
280	-0.01356	-0.012621	0.032898	-0.024792	0.01366	-0.099851	0.033386	0.004453	0.049378	-0.004897	-0.005035	-0.009451	-0.008624	0.00397
281	-0.003589	-0.027624	0.011865	-0.033829	-0.000333	-0.038325	0.00131	-0.00436	0.028472	0.01484	0.005526	-0.04785	0.005989	0.008677
282	0.009416	0.012441	-0.044056	0.001009	-0.027218	-0.035419	-0.000214	-0.107784	-0.042038	-0.01173	-0.01168	-0.002618	0.0151	-0.00983
283	0.015214	0.019795	-0.065123	0.003526	-0.024518	-0.04193	-0.033599	-0.070073	-0.008847	-0.009078	-0.016658	0.015547	0.007521	-0.009557
284	-0.013523	0.002342	0.031362	0.018495	-0.004032	-0.002404	-0.0193	-0.015102	0.021046	-0.010524	0.015688	-0.007732	0.028408	-0.001612
285	-0.029305	0.014491	0.009513	0.032682	0.012302	0.009692	0.005412	-0.068909	-0.034659	-0.032347	-0.041096	0.062465	0.015838	-0.038448
286	0.027269	-0.000926	0.011505	-0.016258	-0.001472	-0.033947	-0.038021	0.001655	0.043167	0.023665	0.024619	0.016457	-0.016547	0.027521
287	0.000045	0.001966	-0.019039	0.004143	-0.022651	-0.042114	-0.014376	-0.007194	0.048057	0.042364	0.006762	0.008801	-0.006679	-0.028183

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
288	0.031094	0.008013	-0.040092	0.001155	-0.001522	0.071911	-0.032937	0.030295	0.045384	0.052603	-0.022296	-0.02644	-0.035873	-0.033644
289	0.030947	0.017816	0.029296	-0.021424	0.018208	0.009314	-0.012936	-0.021394	0.008295	-0.013267	0.01593	-0.025664	0.007649	0.009819
290	-0.002037	-0.015813	-0.048605	0.013633	-0.020247	0.029935	0.021903	0.006956	-0.011087	-0.009303	0.040376	0.024948	0.026795	-0.007747
291	-0.010121	-0.019863	-0.037883	0.02266	-0.02582	0.028081	0.010218	0.011332	0.005704	-0.010599	0.045511	0.009052	0.034761	-0.007108
292	0.018151	-0.029021	-0.024537	-0.001028	-0.007457	-0.01603	0.001005	0.013194	-0.001528	-0.049545	-0.000583	0.060271	-0.013414	-0.015266
293	0.004557	-0.00315	-0.064255	-0.048915	0.024316	0.034418	0.020111	0.042637	-0.004057	0.015548	0.003416	-0.025838	0.035825	0.080338
294	0.011917	0.022717	-0.033506	0.022438	-0.040555	0.018948	-0.00271	0.059817	0.052698	0.029069	-0.017616	0.056926	-0.048893	0.017603
295	0.002638	-0.012512	0.006938	0.006393	0.024615	-0.016131	-0.007381	0.023327	0.015096	0.033536	-0.001734	-0.037315	0.032481	-0.005973
296	0.020781	0.003735	0.019898	0.006926	-0.020159	0.00582	-0.041858	-0.014979	0.050019	-0.041979	0.008996	-0.006019	-0.043965	0.002569
297	0.010197	-0.015998	0.005375	-0.011681	0.043162	-0.01401	0.003743	0.007059	0.028185	0.030629	0.017207	-0.040383	-0.007505	0.035159
298	-0.053398	0.056619	0.024242	-0.012666	-0.034695	0.018289	-0.008229	-0.004624	0.004774	0.038353	0.006819	0.001564	0.052422	0.03456
299	0.006656	-0.029362	-0.028596	-0.023082	-0.024373	-0.0204	0.009283	-0.011696	0.010817	0.021139	0.020837	-0.004387	0.009632	0.025065
300	-0.018789	-0.00236	0.022179	-0.014705	-0.012585	0.019504	0.044108	0.041406	0.04387	-0.000585	-0.016077	0.000265	-0.072	0.055861
301	-0.023466	-0.018658	-0.011657	0.00691	0.011342	0.002988	-0.007817	-0.029068	-0.003287	-0.000823	-0.000084	0.033003	0.022679	-0.032217
302	-0.009603	-0.02419	0.056421	-0.027119	0.001673	0.030945	0.038967	-0.01422	0.002607	0.029816	-0.021597	0.022126	0.018432	-0.014974
303	-0.003205	0.0354	0.007955	-0.021118	-0.05048	0.059578	0.020909	-0.051565	-0.032809	0.008837	0.007492	0.047202	0.019763	-0.015577
304	0.025716	0.035145	0.008296	-0.037062	-0.00649	0.002708	0.027388	0.023825	0.036826	0.022954	-0.013562	-0.012177	0.017113	-0.0119
305	-0.003709	0.00099	-0.07277	0.005871	0.015978	-0.06973	-0.046254	-0.029366	-0.014437	-0.01786	-0.037931	0.004118	0.00475	-0.025438
306	-0.033732	-0.033335	0.015957	-0.023033	-0.027969	0.074435	0.023063	0.0154	-0.010707	0.027314	-0.026121	0.049885	0.059443	-0.017631
307	-0.035192	-0.001048	-0.018309	-0.005277	0.036746	0.018335	0.011266	-0.021645	-0.036802	0.001384	-0.009479	-0.084077	0.047194	0.010195
308	0.053951	-0.01195	-0.026596	-0.013637	0.0123	-0.053382	0.045984	0.019255	-0.007458	-0.004249	-0.004231	0.037278	0.037593	-0.00575
309	-0.009219	-0.02398	-0.012461	0.009431	0.01243	-0.051932	0.044175	0.007019	-0.038181	-0.026959	-0.006572	-0.013891	0.001248	-0.026577
310	-0.007663	0.02746	-0.015338	0.02283	0.029073	-0.005317	0.06178	-0.012793	-0.018381	-0.075323	0.021758	0.037256	0.057615	-0.038994
311	-0.03321	-0.020952	0.004313	-0.010876	0.002185	0.065739	0.011079	0.011609	-0.041862	0.033792	0.005337	-0.045739	0.019991	0.061254
312	-0.052033	0.074115	0.00838	-0.020796	0.049243	0.01573	0.041364	0.009636	0.030451	0.028387	-0.015365	0.009446	-0.030548	0.005472
313	-0.033484	-0.00772	-0.055049	0.020564	0.005492	-0.006612	-0.003088	0.024258	-0.035477	-0.006394	0.027124	0.001649	0.015447	-0.041619
314	0.048262	-0.062847	0.039135	-0.005625	0.034068	0.10762	-0.056677	0.058858	-0.051933	-0.002175	0.011828	-0.027158	0.038579	-0.016161
315	-0.014411	-0.040606	-0.008597	-0.002916	0.044254	-0.022041	-0.005608	-0.004947	0.048914	0.010349	0.032037	-0.04018	-0.009606	-0.043795
316	-0.024429	0.029424	-0.019741	0.023561	-0.042457	0.037875	-0.00706	0.023472	-0.022308	-0.029172	0.035285	-0.01534	-0.016461	0.044086
317	-0.02139	-0.052437	-0.04002	0.041306	0.023532	-0.033492	-0.061017	-0.021977	-0.006332	0.008371	0.003673	-0.014682	0.029138	0.001866
318	0.00498	-0.002154	-0.03572	0.026866	-0.03414	-0.005005	-0.030066	0.025124	0.007548	0.033673	0.038024	0.060506	-0.006265	0.062729
319	0.012866	-0.03542	-0.043134	0.044875	0.013682	-0.063141	-0.016199	-0.013029	0.024114	0.032219	0.051756	0.017258	0.016612	0.021051
320	0.0799	-0.017516	0.066792	-0.00198	0.003977	0.095274	-0.024498	-0.068543	-0.05115	0.039762	-0.038199	-0.016987	-0.017794	0.02259
321	0.04723	-0.052134	0.005004	0.00777	-0.012413	0.021153	-0.011745	-0.030401	-0.050098	0.022824	-0.026416	-0.025682	-0.03841	0.002405
322	0.046023	-0.003077	0.041106	-0.027928	0.02885	0.048911	0.05002	-0.045664	0.014115	-0.02003	0.049485	-0.026558	-0.014311	0.035234
323	-0.043996	0.06115	0.005	-0.017297	-0.02407	-0.024306	-0.007324	0.025649	-0.038673	-0.03343	0.019874	-0.028712	0.005203	-0.104471
324	0.061865	-0.015171	-0.012715	0.02149	0.028625	-0.020658	0.004401	-0.071827	-0.017574	0.054224	0.04002	-0.050163	-0.051948	0.040083
325	0.003156	0.01898	0.02597	-0.019219	0.010869	0.025662	0.060176	0.003045	0.022258	-0.044103	0.031728	-0.020818	-0.014048	0.006751
326	-0.039808	-0.034482	0.006075	-0.016156	-0.003688	-0.016009	-0.079509	-0.037722	-0.014485	0.038304	0.016058	0.04785	0.087411	-0.048846
327	-0.004607	-0.063374	-0.014944	-0.01421	-0.008922	-0.016508	0.015113	-0.011982	-0.02251	-0.002877	-0.036998	-0.01404	0.002266	-0.014141
328	-0.050987	0.03268	-0.013629	-0.044991	0.013968	0.003612	-0.017043	-0.012078	-0.018814	-0.007041	-0.018036	0.007349	0.014339	-0.019339

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
329	0.046596	-0.064464	-0.028313	-0.009191	0.002516	-0.042094	0.004556	0.002205	-0.005192	0.012636	-0.044488	0.001831	-0.043409	0.037664
330	0.041364	-0.014465	0.009468	0.003479	0.061957	-0.036528	-0.054078	-0.003456	0.006885	-0.003642	-0.009472	0.018128	-0.046108	-0.03754
331	-0.016489	0.05592	0.027627	-0.002959	0.005072	0.0174	-0.000685	-0.000574	0.023117	0.032987	-0.021664	-0.04202	0.027771	-0.055976
332	-0.059165	-0.003479	0.004741	0.002264	-0.031675	-0.038977	0.052782	0.071483	-0.06564	0.025893	0.017438	-0.04576	-0.029915	-0.010484
333	-0.019693	0.010811	-0.034391	-0.001383	-0.014636	-0.024297	0.016649	-0.013341	0.017126	-0.033253	0.024629	0.04506	-0.011362	0.038453
334	-0.023581	-0.011164	0.00426	-0.034619	0.048278	-0.032615	-0.00553	-0.007403	0.026982	-0.009994	0.07914	-0.008114	-0.051289	0.029796
335	0.030852	0.02368	-0.069615	0.001177	0.020923	-0.025382	0.042316	-0.002476	-0.027363	0.012053	-0.047142	0.044331	0.058116	-0.036761
336	0.023192	-0.008952	0.009225	0.053647	-0.001326	-0.046429	-0.007437	-0.021787	0.040009	0.000554	0.028944	-0.053419	-0.017843	0.005147
337	-0.015888	0.031538	0.010438	-0.019578	-0.025368	0.016089	0.015	-0.034733	0.049262	0.030767	-0.053201	0.013628	-0.050564	0.047408
338	0.058053	0.007512	-0.054361	0.035789	-0.010325	0.018343	-0.012884	0.039974	-0.027704	0.030898	-0.012801	0.008968	0.017122	0.039832
339	0.02937	0.007282	0.074625	-0.01755	0.005292	-0.04868	0.041111	0.060424	-0.045752	0.106902	0.004904	-0.012885	-0.013821	-0.002067
340	-0.031093	0.02982	-0.010314	0.050878	0.013835	0.05131	-0.029808	0.014947	0.065561	-0.051759	-0.006319	-0.022447	0.00069	0.007657

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
1	0.023462	0.096439	-0.002798	-0.15481	0.096468	0.004466	0.06897	0.09146	0.043585	0.007402	-0.034853	0.054584	-0.008101	-0.049715
2	-0.003032	0.030986	0.037479	-0.029114	0.029629	0.010724	-0.01362	0.02909	-0.049231	-0.02455	-0.03213	0.039738	0.20402	0.018423
3	0.062022	0.004045	0.048445	0.053427	-0.059692	-0.075952	-0.031829	0.008567	0.022096	-0.049252	-0.039585	0.032325	-0.059801	0.013418
4	-0.013093	0.024845	0.125791	-0.06478	0.014366	0.06664	0.0171	-0.024656	-0.013158	-0.045716	-0.010864	-0.058458	0.001072	-0.050573
5	0.029227	-0.059184	-0.028608	0.011002	-0.001424	0.015207	-0.015648	0.016363	0.008191	0.01499	-0.002273	0.01802	-0.025458	-0.076217
6	0.035292	-0.083076	0.031254	0.095365	-0.015064	-0.019899	-0.01494	-0.000995	-0.000489	-0.076098	-0.017229	-0.013395	-0.018707	0.012527
7	-0.053355	0.019796	0.114879	-0.033323	-0.042693	-0.057967	-0.040144	-0.020104	0.04404	0.035024	-0.019528	-0.007513	0.017244	-0.031463
8	-0.004603	-0.003176	-0.077436	-0.014416	-0.022503	-0.033674	0.010394	-0.019943	0.029755	0.039353	-0.00153	-0.084365	0.049153	-0.005765
9	-0.062629	-0.030968	-0.12182	0.054876	-0.005988	0.016772	0.047452	-0.011096	-0.009591	0.006199	0.046516	0.06107	-0.08086	-0.020948
10	0.042418	-0.070184	0.030793	0.098321	-0.045046	-0.005392	-0.000174	0.00147	-0.006592	0.064128	0.033831	0.116626	0.019935	-0.005754
11	-0.041274	0.052242	0.035529	0.079327	0.004782	-0.014433	0.006627	0.00922	-0.042928	-0.030532	0.007857	0.026455	0.004929	-0.013741
12	-0.044087	-0.047341	0.011137	-0.009799	0.027763	0.033953	0.050509	0.0029	-0.01158	0.051312	0.011482	0.029415	0.001544	0.008163
13	0.071604	0.013067	-0.006688	-0.076751	-0.061288	-0.130427	-0.13287	-0.059029	-0.075526	-0.069189	0.01073	0.009175	-0.088755	-0.031847
14	-0.063449	-0.035613	0.153472	0.065557	-0.007048	0.024403	-0.035841	0.024119	-0.019188	0.016374	0.062916	0.015426	0.066675	0.031758
15	0.010785	-0.048684	-0.119625	-0.03889	0.027964	0.05131	-0.012077	-0.027606	-0.016372	-0.006236	-0.032522	-0.144915	0.019688	-0.004408
16	-0.007894	-0.013218	-0.02878	0.027814	0.014466	0.046233	-0.002424	-0.045477	0.020853	0.014405	0.031022	-0.028905	0.105972	-0.026166
17	-0.079209	0.050981	-0.029853	0.090029	0.011014	0.010532	0.038444	-0.005945	0.017445	0.079701	0.002088	-0.022436	0.035577	0.067598
18	-0.017716	-0.0945	0.033882	-0.003674	-0.037023	-0.029823	0.015752	-0.00525	0.070566	0.038586	-0.048897	-0.039993	0.019295	0.021327
19	-0.038088	-0.068942	0.026295	-0.040645	-0.021538	-0.007357	-0.031481	-0.009253	-0.016754	-0.009992	-0.014312	-0.020981	-0.029111	0.005277
20	0.080145	0.038341	-0.114427	0.073075	0.049544	0.030482	0.033952	0.039332	0.021332	-0.047703	-0.096449	0.027464	-0.094842	0.02209
21	0.044074	0.051266	0.01608	-0.068531	0.020786	0.00626	0.053514	-0.027755	0.046807	0.038127	0.032973	-0.047013	-0.041589	-0.053947
22	0.016007	0.01569	-0.066887	-0.031234	-0.037507	-0.039031	-0.055972	-0.01552	-0.100823	-0.091783	-0.037201	0.053772	0.002859	-0.023915
23	0.028761	0.006826	-0.096663	0.049415	0.044984	0.021889	-0.020611	0.061691	0.002462	-0.057273	0.024463	-0.005946	-0.095576	-0.055357
24	-0.040105	0.024401	-0.026503	0.068834	0.024526	0.04467	0.02102	-0.020376	0.014524	-0.019581	0.094704	-0.044525	0.003887	-0.004726
25	-0.035768	-0.0621	-0.019566	-0.086414	0.024165	0.060711	0.042766	-0.015091	0.033016	0.05171	-0.037081	-0.072025	0.008948	0.031591
26	0.054871	0.070638	0.148259	-0.026386	-0.091731	-0.062254	-0.043037	-0.021288	0.075357	0.036887	-0.1787	-0.070737	-0.084059	-0.042455
27	-0.035511	0.032995	-0.044834	0.004487	-0.042325	-0.02681	-0.090087	0.101979	0.070369	0.130544	0.291536	0.07212	-0.036974	-0.022515
28	0.258806	0.024121	0.062596	0.081853	0.049496	0.060931	0.021775	-0.043276	-0.00184	0.005997	0.114621	-0.005079	-0.038582	-0.010653
29	-0.055781	-0.053772	-0.032206	0.006481	-0.033626	-0.033401	-0.088531	-0.064014	-0.026539	0.018583	-0.028385	-0.080042	-0.009193	-0.054139
30	0.008519	-0.077443	0.038891	-0.032623	-0.014967	-0.007055	0.016067	-0.050653	0.015858	0.096791	0.011742	-0.03143	0.09207	0.03564
31	-0.02762	0.061644	-0.040555	0.131383	-0.032741	-0.007782	0.04734	-0.009928	-0.052311	-0.068526	-0.064882	0.075012	0.141136	-0.013335
32	-0.071009	0.002123	0.040327	-0.093029	-0.014314	0.006027	0.008137	0.028239	0.077969	-0.036037	-0.090292	0.014563	0.004694	-0.004258
33	0.001905	0.072685	0.006165	-0.169074	-0.000127	-0.044186	-0.010083	-0.032997	-0.053306	0.031195	0.056148	-0.033316	-0.044617	-0.01248
34	0.063505	-0.016158	0.178412	0.072669	0.053423	0.028644	0.00711	0.016165	0.036075	0.066544	-0.002806	-0.060707	-0.026218	-0.003561
35	-0.028087	0.023332	-0.022585	0.01959	0.01134	0.029411	-0.034676	0.019081	0.030423	0.049668	0.032288	0.087884	0.012244	0.002109
36	0.004281	-0.072401	-0.077626	-0.043242	0.047157	0.035419	0.048442	-0.007736	-0.058873	0.00722	-0.056844	0.09083	-0.104856	0.027334
37	-0.022226	-0.074173	0.065057	-0.126818	0.043248	0.067607	0.067178	0.087483	0.049736	0.007162	0.152366	0.010966	0.078044	-0.011008
38	-0.011508	-0.060035	0.150208	0.020514	-0.050233	-0.058214	0.006043	0.011109	0.063463	0.035759	-0.02666	-0.012364	-0.056193	-0.000915
39	-0.079796	0.141834	-0.006699	-0.04397	0.038599	0.080483	0.024359	-0.052716	-0.028367	-0.057307	-0.079677	0.036452	0.008309	0.035634
40	0.065059	-0.017856	-0.023515	0.047473	-0.058195	-0.088778	-0.076446	0.05965	0.058726	0.019588	0.0501	-0.040725	-0.102576	-0.09784
41	0.194904	0.026552	-0.010822	-0.048752	0.066951	0.102464	0.045684	0.058975	0.029331	-0.027752	-0.065906	0.182999	-0.076158	0.039606

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
42	0.040827	0.003793	0.067238	-0.061021	0.00458	-0.005311	0.007357	-0.019821	-0.088027	-0.02014	-0.041888	-0.015305	-0.134712	0.064546
43	-0.128674	-0.178105	0.026621	-0.00614	0.023571	-0.029888	0.021435	-0.017717	-0.012361	-0.016611	0.05579	0.073148	-0.046598	0.088939
44	-0.035048	0.082574	0.112126	0.048229	-0.044222	-0.023133	-0.022808	-0.001332	-0.023218	-0.020466	0.000257	-0.037677	0.13044	-0.022379
45	-0.04471	0.019987	-0.05774	0.054633	-0.004172	-0.064782	0.042002	0.059379	0.125237	0.048426	0.0112	-0.009011	-0.069917	-0.039883
46	0.034327	0.024483	-0.066004	-0.02456	0.036738	0.040404	-0.003884	0.00296	-0.043247	-0.008849	0.015632	0.005736	-0.021696	0.007597
47	0.072155	-0.16913	0.032233	-0.054652	0.059663	0.049519	0.06111	0.030786	-0.021541	0.007329	0.002663	0.05198	-0.045088	0.001352
48	0.089156	-0.047873	0.015436	0.033941	-0.062692	-0.049326	-0.009415	-0.024279	-0.008575	-0.025463	-0.056007	0.022812	-0.02825	-0.064655
49	0.226974	-0.089258	0.012436	-0.027766	-0.034643	-0.048207	-0.000351	-0.037532	0.000563	-0.088132	-0.019285	0.09203	0.028987	-0.023316
50	0.143695	0.04568	0.125246	-0.00203	0.134406	0.146123	0.121406	0.107894	0.134208	0.050034	0.053385	0.041399	-0.094988	-0.005921
51	-0.047344	0.118809	0.0484	0.021161	0.083712	0.064868	0.056069	0.04373	0.051373	0.04573	-0.033228	-0.003206	0.033157	0.021698
52	0.005877	0.102072	-0.010611	-0.033053	-0.043709	-0.069343	-0.052635	-0.031559	0.020565	-0.017832	0.035526	0.001965	0.038737	0.052056
53	0.018719	0.002826	0.157305	-0.001204	0.021831	-0.013814	-0.001681	0.086452	0.043285	0.022666	0.003115	0.049431	0.125365	0.014933
54	-0.157795	0.036853	-0.064184	0.031265	0.023125	0.038826	0.001078	0.039732	-0.011738	-0.023422	-0.01388	0.033911	0.048926	-0.05018
55	0.050029	0.041177	-0.190887	-0.006338	-0.010439	0.037125	-0.001271	0.004471	0.075774	0.013769	0.031907	-0.053355	-0.015969	-0.004501
56	-0.130611	0.075069	-0.008623	0.072997	0.031276	0.033018	0.018374	0.034249	0.00547	-0.036744	-0.026808	-0.05298	0.007195	0.112914
57	-0.025501	-0.109418	-0.02622	-0.082932	-0.003786	0.027986	0.058224	-0.036252	0.010456	0.060884	0.036975	-0.052022	-0.076957	0.020143
58	0.103359	0.092621	-0.175077	0.031955	-0.059535	-0.045882	-0.034402	-0.02862	-0.051508	-0.066891	-0.056657	0.004185	-0.053143	0.01993
59	-0.057573	-0.043603	-0.089909	-0.03167	0.02167	0.00367	-0.04048	-0.01961	0.007889	0.057826	-0.014943	0.015881	-0.023593	0.020797
60	-0.031876	-0.092852	0.14981	0.004058	0.092751	0.023701	0.056477	0.012412	-0.001132	0.009717	-0.025676	0.076438	-0.045681	0.031213
61	0.033769	0.083304	-0.007176	-0.009007	0.023039	-0.002901	-0.0053	0.034043	0.041444	0.051605	-0.020148	-0.039026	0.035717	-0.020272
62	0.028703	-0.030825	-0.133358	-0.067466	0.057036	0.064404	0.056699	0.048062	0.027122	0.088607	0.107257	0.09495	-0.016909	0.072879
63	0.027896	-0.007629	0.027614	0.040886	0.001874	-0.028319	0.021788	-0.015682	-0.072559	0.01562	0.1445	0.020195	0.115801	-0.026646
64	0.017428	0.023778	-0.066193	-0.001166	-0.024602	-0.001563	-0.011204	-0.003428	-0.02698	-0.022632	-0.030591	0.007425	-0.005447	0.026037
65	-0.046245	0.172172	0.049589	-0.02355	-0.006697	0.04223	-0.01284	0.032412	-0.010265	-0.022956	-0.036074	0.015875	-0.003919	-0.011385
66	-0.043801	0.02292	-0.097414	0.008655	0.023197	0.087957	-0.030736	-0.00771	0.035876	-0.003721	0.06125	-0.034933	-0.014859	-0.042957
67	-0.058803	0.054466	0.050672	0.009533	-0.008312	-0.035085	0.053595	-0.001317	0.000753	0.063178	-0.006038	0.010788	-0.008103	0.015113
68	0.018901	-0.087952	0.024307	0.018493	0.001602	-0.000202	0.000348	-0.001626	-0.035298	-0.049565	-0.093965	-0.020551	-0.025373	-0.016954
69	0.040115	-0.023596	0.014584	-0.115148	-0.014943	0.014975	0.019953	-0.108582	0.036156	0.002691	-0.006919	-0.001086	0.000995	-0.012158
70	-0.07074	-0.022953	0.027325	0.007366	-0.008732	-0.008364	0.016423	0.085893	0.044063	-0.062163	-0.083898	-0.02798	0.11252	-0.019746
71	0.05611	0.032387	-0.009062	0.006976	-0.00625	0.01578	-0.041069	-0.007284	0.029539	0.01697	0.011674	-0.080029	-0.074811	0.024356
72	-0.101488	-0.040713	0.133864	-0.090625	0.005624	-0.0236	-0.00572	0.013427	-0.016604	-0.001713	0.043206	0.024221	0.056285	-0.025066
73	0.108583	-0.020799	-0.045685	0.01384	-0.011699	0.031152	-0.030513	0.056308	0.001532	0.019773	0.001479	-0.0407	0.040939	0.005483
74	0.029266	-0.087716	0.033712	-0.023582	0.007246	-0.006793	-0.021836	-0.01424	0.029544	0.023395	0.027053	-0.066769	0.021944	0.000141
75	-0.032257	0.189933	-0.007168	0.11999	-0.012762	0.016597	0.02615	-0.005682	0.010852	0.067329	0.102496	-0.058402	-0.200709	-0.034752
76	0.042188	-0.036674	-0.017062	-0.057616	-0.002734	0.048371	-0.014561	-0.078002	-0.045422	0.080771	-0.090141	-0.003462	0.132105	0.01357
77	-0.094738	0.127058	0.009149	-0.057868	0.054085	0.005685	0.010242	-0.011372	-0.004871	-0.00003	0.051538	0.006518	0.032466	-0.043719
78	0.083297	-0.15301	0.036331	-0.008014	0.024147	0.015147	0.008303	0.090545	-0.015514	-0.065372	0.046831	0.040372	-0.053933	0.021198
79	0.029868	-0.125756	-0.139487	-0.018966	0.04751	0.068603	0.095783	0.025436	0.028655	-0.033582	-0.036617	-0.029315	0.035056	0.013649
80	0.127558	0.044384	0.030581	0.015766	0.001727	-0.028508	0.043724	0.01453	0.008353	0.04724	-0.053282	0.088142	0.046443	0.07316
81	-0.010196	0.133608	-0.026907	0.024472	-0.02066	-0.042001	0.034527	0.051347	-0.030794	-0.019253	0.028853	0.099725	-0.08985	0.014608
82	-0.067306	-0.197039	-0.004664	0.137107	0.044982	-0.095221	-0.007853	0.080708	-0.019695	0.025821	-0.069924	0.114027	0.180492	0.00376

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
83	-0.0944	-0.013582	0.094951	0.079178	-0.041774	-0.006092	0.008792	-0.112834	-0.002837	-0.05042	-0.0466	0.006757	0.127528	-0.089709
84	-0.102886	0.055593	0.043377	0.061998	-0.014004	-0.084633	0.059202	0.072306	0.083854	0.101284	-0.002474	0.076824	-0.015738	0.024701
85	-0.049771	0.068923	0.008428	-0.065938	-0.058421	-0.022078	0.008619	-0.054471	-0.017285	-0.017322	0.03421	0.110533	-0.114046	0.121667
86	0.033869	-0.000829	-0.044864	-0.020085	0.015075	-0.012127	-0.045846	-0.009937	-0.047308	0.015526	-0.164363	-0.075872	0.002679	-0.013806
87	0.111013	-0.056978	-0.006678	0.070867	0.003511	-0.012517	0.066346	0.030744	0.021681	-0.005771	0.039488	-0.001992	0.050941	-0.12625
88	0.066231	-0.000447	0.000787	-0.059309	-0.018788	0.002681	-0.011165	-0.034714	-0.044961	-0.025072	-0.025427	-0.052468	0.085965	-0.033168
89	-0.150457	-0.063266	-0.05218	-0.118505	0.012365	0.010455	-0.024886	0.04326	-0.019786	-0.117225	0.017787	0.009459	-0.030419	0.119145
90	0.086322	0.017678	-0.010334	-0.018538	0.015108	0.075364	0.062219	-0.128377	-0.021801	-0.055522	0.078769	-0.053561	0.082492	0.070406
91	0.030605	0.053853	0.012353	-0.072178	-0.002443	0.040203	-0.051115	-0.020583	0.022363	-0.020834	-0.07546	-0.012763	-0.082534	-0.050791
92	0.08038	0.099919	-0.017772	0.040633	0.033578	-0.014605	-0.028618	0.009928	-0.069509	-0.04959	0.006539	0.031589	-0.001276	0.09038
93	-0.021885	0.010906	-0.059461	0.070126	0.020064	0.026167	-0.018319	0.023324	-0.006898	0.058905	0.03357	0.028716	-0.0008	0.03325
94	-0.033033	-0.011978	0.112621	0.058306	0.04796	-0.010134	0.056112	0.055986	-0.00089	0.080027	-0.039047	0.014266	-0.059677	0.038068
95	-0.090041	-0.138167	-0.000211	0.089318	-0.011747	0.029024	-0.005759	-0.026615	0.028305	0.07108	0.054244	-0.083763	-0.165229	-0.048729
96	-0.080817	-0.005681	0.037009	-0.116422	-0.016409	-0.006665	-0.019346	0.042068	0.039537	-0.023037	0.017739	0.022118	-0.030479	0.02539
97	-0.093283	-0.092317	-0.015636	0.053612	0.104356	0.078947	0.063201	0.026244	-0.042511	-0.029733	0.014505	-0.000219	-0.046994	-0.070712
98	0.008582	-0.020809	-0.155199	0.019531	0.032403	0.058915	0.064883	0.002875	-0.031109	-0.026066	0.054484	0.064689	0.049366	-0.153604
99	0.019255	0.02784	-0.012979	-0.056394	-0.082736	-0.101404	-0.101517	-0.11167	-0.074298	-0.015248	0.067421	-0.06018	-0.086588	0.170928
100	0.105395	0.043428	0.115314	-0.008162	0.020652	0.014365	-0.041379	-0.0375	-0.069998	-0.006896	0.0439	-0.123338	-0.014023	-0.030926
101	-0.193716	0.112399	0.151248	-0.017288	-0.026702	-0.062886	-0.001092	-0.008838	0.006402	-0.121108	-0.007787	-0.061191	-0.032185	-0.065461
102	-0.142021	0.024809	-0.065189	0.024785	0.005774	-0.013324	0.05657	-0.023274	0.001771	-0.075396	-0.005288	-0.040366	-0.080159	-0.00067
103	0.082279	0.048806	0.071448	-0.055813	-0.025309	-0.01632	-0.017737	-0.049281	-0.01954	0.003927	0.037475	0.036903	0.032486	0.008941
104	-0.035499	0.011424	-0.108726	0.018629	0.004947	0.016343	-0.025849	0.03585	-0.010316	-0.031924	-0.000532	0.010372	0.016324	0.00777
105	-0.069797	-0.037811	-0.009831	-0.022993	0.003944	0.024941	-0.032572	-0.006019	0.012031	0.013444	-0.052094	-0.015802	-0.031689	0.001681
106	-0.158901	-0.104045	-0.024912	0.064404	0.016928	-0.009216	0.015764	-0.02235	-0.024238	-0.038805	0.012136	0.036773	-0.112591	-0.051995
107	-0.009474	0.012239	0.055456	-0.034305	0.022504	0.030021	-0.039318	0.072018	0.017759	-0.067586	-0.044051	-0.045505	0.015486	0.007615
108	-0.003073	0.029731	0.00144	-0.013859	-0.021056	-0.026429	0.002427	-0.01794	-0.014436	-0.011267	0.015027	0.061959	-0.010133	0.032282
109	0.010922	-0.018384	0.015435	-0.00183	0.044662	0.0636	0.019014	-0.006873	-0.035625	-0.022544	-0.024882	0.057151	0.057439	-0.007
110	0.034278	0.006537	-0.031478	-0.019695	-0.043328	-0.040763	-0.028399	0.03339	0.070181	0.041311	0.032204	-0.026157	0.106401	-0.062317
111	0.057846	0.06994	0.075917	0.047967	-0.034306	0.012601	0.013643	0.007589	-0.030791	-0.04838	0.077181	0.060809	0.110335	0.006835
112	0.042828	0.001076	0.037206	0.082771	0.012401	0.01084	0.036047	0.009434	-0.004492	0.095671	0.077244	-0.009377	-0.028534	0.00627
113	0.067036	0.030898	-0.038039	0.040707	0.007263	-0.0128	0.06978	-0.001684	0.031974	-0.042228	-0.028097	-0.018623	-0.057925	0.009158
114	0.04313	0.050225	0.003237	-0.014646	-0.033506	-0.057931	-0.052794	-0.020977	-0.024221	-0.00207	0.041738	0.088762	-0.007407	-0.012049
115	0.011751	0.011056	0.042864	0.014214	0.028155	-0.012318	0.044154	0.019481	-0.032354	0.064115	-0.045678	-0.010177	-0.104041	0.035917
116	-0.012471	-0.053338	-0.060702	0.041508	-0.031686	-0.076123	-0.022515	-0.056803	0.012817	0.022827	-0.009788	-0.001575	-0.016776	-0.020974
117	-0.036578	-0.005562	0.084042	-0.012601	0.055846	0.073921	0.009394	0.025209	0.000262	-0.067244	-0.078608	0.009688	-0.030463	0.021161
118	-0.04953	0.016858	0.069842	0.023412	0.019353	0.046788	-0.013262	-0.021336	0.003592	-0.019011	-0.110741	-0.017691	0.088124	-0.002837
119	-0.072512	-0.019541	0.026086	0.030907	0.022134	0.015845	0.017098	-0.012499	-0.002113	-0.043329	-0.110994	0.126835	-0.086276	0.008461
120	0.051748	0.062067	-0.040952	0.050555	-0.006214	0.00222	-0.018698	-0.020633	0.038425	0.103592	-0.036994	-0.004506	-0.021459	-0.055329
121	-0.025566	-0.015412	-0.000121	0.043994	-0.036312	-0.061506	-0.027316	0.015385	0.003999	0.054267	0.193818	0.012081	0.050059	0.031925
122	0.005824	-0.096618	-0.032827	-0.317846	-0.076813	-0.068052	-0.060657	0.041486	-0.034714	-0.022282	-0.0266	0.012519	-0.031948	0.041386
123	0.085977	0.024479	-0.044679	0.121861	0.055468	0.082444	-0.018126	0.01081	0.032502	-0.015053	0.121333	-0.104708	0.029274	0.033424

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
124	-0.028155	0.009252	-0.051708	-0.094729	-0.016184	-0.066036	-0.01408	-0.072034	-0.023486	-0.014441	0.018648	-0.078388	0.000307	-0.015336
125	-0.100454	0.058534	0.040799	-0.154293	0.002521	0.03422	0.042477	0.022918	-0.049968	0.016357	0.060217	0.04649	0.020568	0.020037
126	-0.018696	0.052981	0.127766	-0.009622	0.096149	0.013196	0.045525	0.102799	-0.044212	0.030339	0.026027	0.050887	-0.108298	0.057271
127	-0.00018	-0.007699	0.007205	-0.011365	-0.00948	0.015975	0.004962	-0.070357	0.003257	-0.080186	-0.063843	-0.013713	-0.007876	-0.087182
128	-0.003638	0.033572	0.015088	-0.0048	0.049431	0.045802	0.023544	0.036938	0.012886	0.089782	0.011509	0.074786	-0.032768	0.032258
129	0.048813	-0.04261	-0.012611	-0.014311	-0.039802	0.0015	0.008019	-0.051918	-0.012469	-0.027757	0.008407	-0.004352	-0.01896	-0.032681
130	0.012428	0.000407	-0.045535	-0.042071	-0.021339	-0.070653	0.01524	0.013742	0.062704	0.004255	-0.014923	-0.032324	0.081952	-0.002707
131	-0.008271	0.013224	0.025005	0.008981	-0.010508	-0.01101	-0.020934	0.022332	0.00726	0.014232	0.021923	-0.031342	0.054793	0.038844
132	0.019657	-0.054489	-0.076012	-0.027235	-0.012072	-0.049717	0.017255	-0.017773	0.009307	-0.049927	0.004735	-0.030544	0.008892	0.041405
133	-0.002726	-0.084315	-0.055368	-0.032256	-0.036034	-0.049842	0.016436	0.087632	0.086899	0.040799	-0.04254	-0.054165	0.020412	-0.014628
134	0.039502	0.008486	0.033631	-0.00966	0.041489	0.068302	-0.000421	0.032185	0.036305	0.003809	0.003014	-0.001117	-0.004344	0.02575
135	-0.072725	-0.021029	0.049899	-0.026983	-0.059763	-0.048913	0.020936	-0.004732	0.06947	0.023101	0.049469	0.034497	-0.035245	-0.027798
136	0.086452	0.065564	-0.013303	-0.040104	0.03344	0.076215	-0.004861	-0.026121	-0.054017	-0.092827	0.020037	0.004061	-0.056518	0.041158
137	-0.061931	0.025875	-0.013889	0.01206	0.006765	0.001262	0.008236	0.012284	-0.028159	0.091939	-0.029936	0.015872	-0.031673	-0.047941
138	-0.002397	-0.002622	-0.057088	-0.036269	-0.02577	-0.056071	-0.015646	0.016545	0.015904	0.085826	0.04208	-0.010807	-0.006163	-0.012828
139	-0.060259	0.019911	-0.023445	0.020606	-0.010078	0.015659	-0.015103	-0.050264	-0.043899	0.036657	0.014681	0.023017	-0.011377	-0.024347
140	-0.000416	-0.000059	0.040127	0.03076	-0.030851	-0.02795	-0.041763	-0.013104	-0.007416	-0.027398	0.021623	0.03932	-0.009193	-0.016305
141	-0.008259	0.003841	0.000162	0.027499	0.013192	0.009828	-0.037629	-0.02895	-0.051235	-0.077316	0.043936	-0.011091	0.116906	0.035307
142	0.035689	-0.005131	0.016489	0.083259	0.005462	0.03274	-0.005893	-0.00743	0.031829	-0.020112	0.035252	0.041977	0.050803	-0.012445
143	0.041259	-0.009396	0.029554	0.026256	-0.002565	0.043536	-0.006542	-0.040332	0.010638	0.030661	-0.038859	-0.031086	0.077193	-0.020958
144	-0.042786	0.006489	-0.050588	0.020383	-0.026307	-0.047655	-0.029545	0.006691	0.015736	0.043573	0.070471	0.027188	-0.040646	0.000698
145	-0.078088	-0.004984	-0.091285	0.00636	0.004745	-0.021586	0.010732	0.023333	0.009109	0.039571	0.028147	-0.001746	0.016619	-0.062999
146	0.032081	-0.016219	-0.008729	-0.059253	-0.009424	0.021945	-0.023187	-0.033433	-0.042177	-0.002934	-0.005599	-0.039738	0.023151	0.038043
147	0.014836	-0.004879	-0.012267	-0.016838	-0.026904	-0.016358	-0.006706	-0.010537	0.015167	-0.035502	0.006497	0.017466	0.027428	-0.012454
148	0.021213	0.030517	-0.006481	-0.000981	0.00683	0.022996	0.03454	-0.018393	-0.040862	-0.011297	0.041916	0.027163	-0.031792	-0.003674
149	0.002984	0.009496	-0.108437	0.018985	0.000517	-0.016879	-0.012328	0.003384	-0.018003	-0.047303	-0.038417	0.006887	0.030943	-0.014872
150	-0.027205	0.025802	-0.011799	0.040098	0.009766	0.019431	0.014389	-0.01365	0.030556	-0.00825	-0.04397	0.003718	0.034292	-0.007487
151	0.002483	-0.060335	0.020713	0.046642	0.062538	0.021772	0.052412	0.010895	0.041548	-0.018371	0.016749	0.012858	-0.053937	-0.006722
152	-0.00088	0.012091	-0.033036	-0.002573	0.010077	-0.008466	-0.027196	0.034177	0.039954	0.055675	-0.039676	-0.012587	-0.003468	-0.013023
153	-0.069919	-0.017691	0.046133	-0.023691	-0.013732	-0.052271	-0.031588	0.007501	-0.017085	-0.029026	-0.020862	-0.007022	0.029585	-0.004744
154	0.014296	-0.028192	0.023182	-0.04894	0.02914	0.001192	0.030607	0.019664	-0.018572	0.007022	0.035432	0.085583	-0.019407	0.023406
155	-0.04391	0.000543	-0.021038	0.082713	0.034433	0.024325	0.036152	-0.009103	0.013938	-0.015891	-0.036925	0.045824	-0.010722	0.03098
156	-0.015631	0.012043	-0.028223	0.011239	-0.009947	-0.024673	-0.00271	0.005863	0.023969	0.0209	-0.011863	0.003393	0.025913	0.053023
157	0.019052	0.031459	0.042174	-0.002039	-0.004598	0.066318	0.02703	0.003886	-0.002825	0.040697	-0.035699	-0.023441	-0.034399	-0.002841
158	0.007461	-0.028241	-0.002372	0.021013	0.000984	0.01042	0.010273	-0.035856	-0.009613	-0.026132	0.021228	-0.066111	-0.003843	-0.028868
159	0.057911	0.019666	0.045448	-0.020797	-0.007794	-0.025509	0.013416	0.021452	0.023582	-0.011672	0.049603	-0.020958	-0.031457	0.014218
160	-0.006738	-0.037472	0.011598	0.068235	0.020411	0.00957	-0.016905	0.009986	-0.016041	-0.015084	-0.039246	-0.000436	0.030203	0.039202
161	-0.02482	0.009374	-0.001773	-0.051376	0.014421	-0.000844	-0.000057	0.007335	-0.011418	-0.05526	-0.033432	-0.028698	0.004087	-0.017845
162	0.015572	-0.030314	0.042764	-0.038837	-0.019148	-0.008533	-0.013167	0.000592	-0.03323	0.043819	-0.0068	-0.014266	-0.048113	-0.027723
163	-0.018448	0.111564	0.000688	-0.0138	-0.031312	0.002318	-0.029897	0.014218	0.03716	0.01399	0.001731	0.005786	0.042103	0.00792
164	-0.015974	-0.09876	-0.016868	-0.004232	0.000755	0.007054	0.024726	-0.02946	0.015313	0.001781	0.001266	-0.048594	0.0611	0.018146

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
165	0.206755	0.017915	0.013257	0.023376	-0.005748	-0.042158	-0.014491	0.01597	-0.016279	0.029115	-0.002844	-0.054336	-0.03701	-0.028682
166	-0.022176	0.336626	-0.023328	-0.031697	-0.016461	-0.026671	0.011528	-0.027106	-0.007597	0.017702	-0.015085	-0.015132	0.038961	0.018866
167	0.006867	-0.10604	0.356093	0.010138	-0.020142	0.011628	-0.042735	-0.009729	-0.020703	-0.005148	0.02548	-0.060762	-0.048656	-0.031924
168	0.022276	0.011788	0.01525	0.414779	-0.048065	-0.040892	-0.061705	-0.012912	-0.017643	-0.07032	-0.016558	-0.010908	-0.024231	0.046995
169	-0.002997	0.015005	-0.016202	-0.032641	0.811409	-0.159901	-0.13693	-0.098373	-0.018508	-0.01737	-0.005338	-0.071658	-0.026898	-0.023752
170	-0.036784	-0.015024	0.007259	-0.015135	-0.170644	0.736302	-0.129941	-0.050263	-0.023973	0.011523	0.005062	-0.042582	-0.039539	-0.01839
171	-0.007067	0.033606	-0.017444	-0.046764	-0.113517	-0.101873	0.798056	-0.057946	-0.047123	-0.018955	0.010349	-0.072979	-0.003997	-0.008231
172	0.034582	0.007849	-0.024998	-0.031597	-0.06693	-0.003876	-0.060117	0.751236	-0.095536	-0.080933	-0.060154	-0.087312	0.010069	-0.0068
173	0.02422	0.001479	-0.011087	-0.037128	0.009396	0.008772	-0.03779	-0.096035	0.786079	-0.113117	-0.026617	0.04213	0.019498	0.039054
174	0.026798	0.011357	-0.011206	-0.04732	-0.012548	-0.001051	-0.047387	-0.054954	-0.107912	0.674963	-0.122379	0.022792	-0.006784	0.016956
175	-0.006171	-0.056851	0.012943	-0.040917	-0.006494	-0.020523	-0.017693	-0.038844	-0.03088	-0.099604	0.521924	-0.021526	0.028011	-0.010324
176	0.009321	0.032965	-0.030722	-0.037433	-0.033078	0.014081	-0.062342	-0.086229	0.027447	0.011292	-0.061722	0.626954	0.024985	-0.0411
177	0.014836	0.051091	-0.05608	-0.023865	-0.009518	-0.032081	-0.019429	-0.017588	-0.000543	0.018009	0.062124	-0.005264	0.33292	0.008638
178	0.023699	-0.023833	-0.010818	0.066546	-0.023737	-0.00822	-0.008758	-0.007101	0.047858	0.006292	-0.024591	-0.039976	0.006277	0.760413
179	0.023876	-0.030581	-0.018318	-0.072851	-0.034256	-0.033091	-0.060412	0.026147	0.032898	0.001967	-0.021389	0.012421	-0.020083	-0.051629
180	0.073324	-0.03107	-0.030815	0.019159	-0.025257	-0.046413	-0.011129	0.043357	0.019852	0.000988	0.00046	0.016934	0.006392	-0.094869
181	0.056381	-0.039284	-0.025027	0.027777	-0.020929	-0.049739	-0.023671	0.057275	0.029556	0.008052	-0.003027	0.005838	-0.036649	-0.066804
182	0.012002	-0.019355	0.017006	-0.027168	-0.013566	-0.070338	0.001336	0.026207	0.01697	0.023145	0.016485	0.032143	-0.075618	-0.051944
183	-0.030253	0.040392	0.016752	-0.095817	0.012495	-0.005139	-0.064145	0.054505	0.023578	0.057257	0.013166	0.007844	-0.044054	-0.000119
184	-0.084916	-0.01682	0.032759	-0.050779	0.014899	0.022662	-0.069309	0.026327	0.007879	0.016908	0.016627	-0.025691	0.024299	-0.011088
185	0.02208	-0.037802	0.009462	0.064631	0.039969	0.043067	0.045491	-0.002096	-0.008911	-0.015284	-0.004888	0.020567	-0.005958	-0.044405
186	-0.015978	-0.002659	0.000832	0.042595	0.02745	0.038798	-0.018334	0.016497	-0.00475	0.020897	0.033742	0.015446	0.017327	0.016911
187	0.018053	0.022813	-0.002459	0.035503	0.016561	0.015821	0.036637	-0.016277	-0.082432	-0.004296	0.044576	0.015095	0.00863	0.014649
188	-0.020599	0.043642	-0.030015	0.050247	0.019717	0.023737	0.019349	-0.022934	-0.047148	-0.091372	-0.021087	-0.004821	-0.010343	0.003735
189	0.029635	0.075785	0.034454	-0.017478	0.02221	0.057545	0.047779	-0.007299	-0.008113	-0.043547	-0.129237	-0.050849	0.038058	0.068329
190	0.078368	0.013396	0.002879	-0.011674	0.005946	-0.015495	-0.001856	0.007414	-0.0039	0.027508	0.01371	-0.041409	-0.004306	-0.008509
191	0.061867	0.000603	-0.006306	0.018106	-0.036212	-0.024236	-0.015583	-0.053509	0.015425	-0.008935	0.015301	0.042225	-0.054224	-0.025748
192	0.049604	-0.01008	0.027675	-0.089482	0.01471	0.028404	0.01114	-0.038144	0.01805	-0.019646	-0.032489	0.034074	0.014177	0.005501
193	0.026969	-0.025092	0.050076	-0.041798	-0.008445	-0.045485	-0.002523	-0.049661	-0.021624	0.006614	-0.014523	-0.001591	-0.001508	-0.013767
194	-0.013943	-0.05135	-0.013635	0.06098	0.01237	0.021865	0.007521	0.00879	0.021125	0.046475	-0.079001	-0.030741	0.060191	-0.02736
195	0.089214	-0.063752	-0.010548	-0.012626	0.057527	0.016443	0.045199	0.016856	-0.051315	-0.017851	-0.013479	0.033694	-0.00881	0.065236
196	-0.015942	-0.078975	-0.032917	0.012698	0.008999	0.003467	0.020176	-0.017625	0.001759	0.006963	-0.084895	0.00214	-0.018117	-0.002372
197	0.014886	0.059353	0.027952	-0.007604	-0.021517	-0.026406	0.02303	-0.010941	0.013368	-0.01869	0.017007	0.018177	0.053682	0.03877
198	-0.019155	0.026773	-0.004478	-0.044893	-0.001014	-0.017127	0.00745	-0.069174	-0.011316	-0.024125	-0.036553	-0.050239	-0.020435	-0.052303
199	-0.019355	0.001358	0.041592	0.045847	0.011944	0.023226	0.001198	0.00619	-0.009762	0.034581	-0.004723	0.004023	0.028432	-0.014247
200	-0.027146	0.082575	-0.002527	0.006144	-0.015621	-0.006418	-0.048595	-0.035944	-0.012888	-0.070202	0.002915	0.011535	-0.043905	-0.02758
201	-0.009629	0.036095	0.019007	0.050855	-0.012897	-0.012574	-0.007482	0.043034	0.023598	0.043739	0.068958	-0.058311	-0.029351	-0.004254
202	0.030533	-0.065687	-0.017806	-0.003584	-0.015792	-0.015541	-0.005256	-0.092674	-0.056444	-0.050437	-0.01389	0.042381	-0.02227	-0.027741
203	-0.025628	0.02726	-0.007307	-0.05142	-0.029241	-0.023232	-0.013983	-0.001836	0.015637	-0.002104	-0.006416	-0.019133	-0.000337	-0.030163
204	-0.044178	0.010955	-0.051558	-0.031736	0.016976	-0.013994	0.005875	0.013164	0.003588	0.027698	-0.044993	-0.005446	0.00401	0.010094
205	0.047895	-0.004278	0.000899	-0.021091	0.006522	0.006092	-0.000281	0.016443	-0.020661	-0.005972	0.008956	-0.041737	0.030978	0.007952

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
206	-0.0197	-0.031728	0.016184	0.006658	0.003777	0.029352	-0.021392	-0.013121	-0.010705	-0.022528	0.024198	0.055024	-0.019793	-0.018004
207	-0.033058	0.08796	0.022805	0.026603	-0.009916	0.013875	-0.0196	0.005866	0.012738	-0.026179	-0.037724	-0.025875	-0.075509	-0.014163
208	-0.033671	0.02282	-0.011726	-0.040613	0.025821	0.027149	0.006564	0.041915	-0.001357	0.00442	0.056417	0.005856	-0.090755	0.013575
209	0.005739	0.020384	0.060077	0.063209	0.031145	0.051159	0.0061	-0.014252	-0.042779	-0.036513	-0.009632	0.049501	-0.011197	0.027723
210	0.036119	-0.005012	-0.012821	0.062691	-0.006182	-0.014515	-0.004338	0.026359	-0.006359	0.032602	-0.060938	0.000786	-0.027084	-0.030907
211	0.04	-0.100595	0.041275	0.018833	-0.006557	-0.000414	-0.02836	-0.069833	-0.065442	-0.025329	-0.032726	0.038451	-0.001461	-0.033987
212	0.068404	-0.002856	-0.028682	-0.018442	-0.002821	-0.021425	-0.020308	-0.000696	-0.009657	0.036149	0.01373	0.035246	-0.004358	0.039458
213	-0.04111	-0.029101	0.014463	0.016809	0.011839	0.000567	-0.013368	-0.028609	-0.015737	0.020239	0.02204	0.024134	0.075113	-0.034966
214	0.007744	0.024926	0.016216	-0.049848	-0.023129	0.006594	-0.052392	-0.00668	0.018125	0.007934	-0.005105	-0.00495	0.025825	-0.038238
215	-0.030775	0.02983	0.023672	-0.001564	0.00782	0.004852	0.003278	0.016003	-0.009341	0.020895	0.028156	0.06529	-0.038419	-0.03586
216	0.020481	-0.007344	-0.037128	-0.130365	-0.008839	0.007258	-0.01545	0.039305	0.008696	0.010605	0.008579	-0.005818	0.047637	0.019658
217	-0.001677	0.067773	-0.004822	0.044963	-0.025392	-0.014169	-0.026538	-0.034142	0.02604	0.036209	0.025404	0.026869	-0.024496	0.012559
218	0.034162	0.031104	0.033378	-0.019069	-0.007309	-0.021575	0.004352	-0.013316	-0.036596	-0.000818	-0.037487	-0.009721	0.000669	0.01187
219	0.005008	-0.022042	-0.034367	-0.02824	-0.034352	-0.035435	-0.044752	-0.013211	-0.036954	-0.001928	0.000773	-0.050129	0.000534	0.009792
220	-0.002578	0.004828	0.014473	0.007702	-0.060029	-0.044531	-0.047716	-0.039937	0.007984	-0.006371	0.027349	-0.002706	-0.062883	0.007971
221	0.011055	0.04003	0.03463	-0.055972	0.050437	0.06798	0.027515	-0.023001	-0.059009	-0.011068	-0.014298	-0.013519	0.042262	0.012184
222	-0.040533	0.019531	-0.051958	-0.056647	0.036396	0.046003	-0.002262	0.002745	-0.057401	-0.018419	0.005138	0.003058	-0.024337	0.009338
223	-0.030891	0.012792	-0.043025	-0.049493	0.004378	-0.014885	-0.024147	0.027524	-0.040105	-0.023322	-0.015967	-0.062872	-0.014961	0.000815
224	0.008421	0.046001	-0.033388	0.022093	0.014116	0.008175	0.009361	-0.0154	0.000595	-0.019756	-0.029115	-0.060936	0.036797	-0.000063
225	-0.005156	0.054708	-0.008429	0.032098	0.021907	0.017554	0.01431	-0.017504	-0.007588	-0.003237	-0.011827	-0.02386	0.037258	0.009349
226	0.01719	0.007613	0.050669	-0.002521	0.010871	0.010957	0.008958	-0.001459	-0.001991	0.038542	0.013321	-0.000078	-0.007048	0.004482
227	0.013993	0.026884	-0.036539	-0.006572	-0.012525	0.01123	-0.037229	0.020951	0.000118	0.0079	-0.008967	0.047247	0.008157	0.019466
228	0.054041	-0.017177	0.00708	-0.010816	-0.034986	-0.04109	-0.012169	-0.021872	0.030908	0.003548	-0.020536	-0.014146	-0.00401	-0.017643
229	0.039476	0.008487	-0.013409	0.008278	-0.011879	-0.035962	0.004697	-0.01575	-0.016644	0.01605	0.037289	0.036854	0.019117	0.014062
230	-0.008495	0.010664	-0.011086	-0.090011	-0.02244	-0.025054	-0.007935	-0.013802	-0.022033	-0.019484	0.019808	0.021826	-0.00031	0.013533
231	-0.076687	-0.032561	0.044284	0.024089	-0.03674	-0.006676	-0.017298	-0.025392	0.023827	0.040438	0.023892	-0.03582	-0.072171	0.063486
232	-0.065429	-0.064074	-0.025123	-0.03573	-0.014389	0.008808	-0.017994	-0.055294	-0.018855	-0.074697	-0.03945	0.010255	-0.043127	0.01866
233	-0.053519	0.002614	0.022612	-0.027418	-0.010377	-0.003653	-0.017374	-0.038834	0.015622	-0.019362	-0.035788	0.032719	-0.014468	-0.030594
234	0.044477	0.058321	0.055947	-0.035603	0.006719	0.006182	-0.002882	0.012297	0.021159	-0.014811	0.057665	-0.025489	0.045961	-0.021156
235	-0.034828	-0.016013	-0.026972	-0.015247	-0.022857	-0.002876	-0.007194	-0.039853	0.002828	0.008402	-0.027028	-0.03034	-0.048579	-0.015774
236	-0.027919	0.026124	0.008794	0.019717	-0.005672	-0.005355	0.009684	0.011395	0.017321	-0.004114	-0.031664	-0.059802	0.008049	-0.005401
237	-0.044734	-0.046883	-0.044861	0.018725	-0.013275	-0.020918	-0.009304	0.044778	0.054607	0.030422	-0.014251	0.005998	-0.017814	0.044075
238	-0.042112	0.006193	-0.025749	0.010699	-0.017305	-0.018907	-0.016655	-0.003033	0.019848	-0.009792	0.015229	0.000145	-0.051932	0.013427
239	0.002613	0.024485	0.003413	-0.027218	-0.004852	0.023781	-0.000626	-0.027994	0.005613	-0.010558	0.019463	-0.008729	-0.013486	-0.010691
240	0.048751	-0.024831	0.001488	-0.014848	-0.01918	-0.010236	-0.017341	-0.011449	-0.039043	-0.01424	-0.007647	0.00875	0.015929	0.000057
241	0.003471	0.033575	0.007906	-0.028695	-0.003921	-0.012499	0.008835	0.029717	0.047618	-0.056281	-0.065966	-0.013744	-0.02123	0.004898
242	0.022753	-0.010996	0.000885	0.010385	0.011349	0.006625	0.01511	-0.006442	-0.015397	0.013666	-0.009643	0.013809	-0.011953	-0.014861
243	0.02026	-0.017322	0.003692	0.074046	0.015606	-0.010476	0.01393	0.048781	0.024943	0.01771	-0.00247	0.019739	-0.011847	-0.031085
244	0.031251	0.025668	0.055257	0.016816	0.031873	0.038957	0.040144	0.00225	0.017501	0.022151	0.019016	-0.005659	0.031199	-0.033169
245	-0.019715	-0.000441	-0.051612	0.005537	-0.000717	0.039915	-0.026357	-0.021884	0.001433	-0.03937	-0.005667	0.01244	0.034575	0.006503
246	0.037769	-0.018684	0.007105	0.013485	-0.008704	-0.008797	-0.005288	0.005893	-0.00274	-0.02952	-0.001426	0.038804	0.012776	-0.003843

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
247	-0.019072	0.047133	-0.035437	0.035222	-0.013631	-0.006744	-0.023767	-0.02429	0.020378	-0.005654	-0.014883	-0.050004	-0.013362	-0.03959
248	-0.030407	0.003518	0.000791	0.009398	0.007793	0.026199	0.007302	-0.015752	0.013452	0.012718	-0.020967	-0.014893	-0.049148	0.013641
249	0.008079	0.01161	0.023497	0.037567	-0.00665	-0.043633	-0.008405	-0.023401	-0.01718	-0.045617	-0.001938	-0.063873	-0.056698	0.030296
250	-0.005151	-0.023397	-0.01947	0.047846	-0.011632	-0.025792	0.023073	0.020444	-0.004173	0.022732	-0.054954	0.021635	-0.000312	-0.0344
251	0.018124	-0.031089	-0.015566	0.00937	0.013049	0.005175	0.01737	0.043694	-0.026926	-0.008534	-0.028144	0.049917	0.019883	-0.007241
252	0.048355	0.030812	0.017797	-0.025429	0.017766	0.024332	0.020155	0.011369	0.028975	-0.021379	-0.000151	0.013608	0.030771	0.007932
253	0.071524	0.02927	0.022364	-0.008632	-0.046782	-0.026587	-0.031066	0.04154	0.039389	0.015579	0.013389	0.009153	0.050806	-0.006127
254	0.009236	-0.046658	0.080548	-0.014574	0.019311	-0.014859	0.023538	0.026691	0.021171	-0.034351	0.003688	-0.016438	0.010368	0.009753
255	0.033915	-0.029086	0.027486	-0.037364	0.008772	-0.004407	0.034843	0.00289	-0.001528	-0.03364	0.006522	0.006657	0.022543	-0.020047
256	-0.013891	0.018588	0.009391	-0.019169	-0.002902	-0.021476	0.020052	-0.007933	0.027587	-0.065464	0.053362	-0.017137	-0.070393	-0.014284
257	-0.032179	0.006375	-0.039718	-0.019461	0.014911	0.022423	0.019966	-0.016263	0.024566	0.051073	-0.029018	-0.014045	0.031294	-0.022469
258	0.028178	0.010118	-0.008864	-0.01609	0.014312	0.03405	0.020889	-0.017426	0.020979	0.009013	0.005974	-0.021394	-0.005631	-0.0036
259	-0.00124	0.019162	-0.0476	0.058023	0.008087	-0.010663	0.009227	0.009321	-0.038225	0.023898	0.000856	0.010773	0.005798	0.00564
260	-0.02268	0.011788	-0.014735	0.006703	0.002261	0.00168	0.000098	-0.023974	-0.010544	0.046702	0.016806	0.006494	0.066094	-0.000069
261	0.016142	-0.013241	-0.020623	0.003675	0.004422	-0.013582	0.003583	0.027365	0.003715	0.01998	0.044753	0.015764	0.040499	0.057178
262	-0.034298	0.01198	-0.020179	0.017016	0.015084	0.019188	-0.002626	-0.008376	0.021255	0.023359	0.015943	0.00766	0.010563	-0.009825
263	-0.007742	-0.01007	-0.050017	0.019128	0.018852	0.048335	0.004747	-0.014665	0.0126	0.023135	0.015508	-0.005496	0.023215	0.00111
264	0.039837	0.043687	-0.032553	-0.008097	0.008412	0.035436	0.00679	0.027501	0.017593	0.019705	0.051352	-0.000903	-0.005633	-0.007596
265	0.047449	-0.014224	0.010148	-0.066004	-0.008368	0.002611	0.008264	0.013425	0.023073	0.003866	0.037229	0.018862	0.001551	0.01219
266	-0.025442	-0.052141	0.02609	-0.020216	-0.015269	-0.006486	-0.00764	0.002992	0.014245	0.021006	0.036613	-0.013795	0.00887	0.02818
267	-0.007176	0.021888	0.021835	0.032554	-0.018254	-0.019665	-0.040684	-0.020554	0.005552	-0.006589	-0.018625	-0.024129	0.036669	-0.023263
268	0.011077	-0.007206	0.016813	0.012395	0.01375	0.020478	-0.005538	-0.017199	-0.018606	0.013772	0.000523	-0.023491	0.016649	-0.009084
269	-0.05006	0.017408	0.018066	0.055865	0.004655	-0.008082	-0.019113	0.012283	-0.021159	0.012243	0.003251	0.002507	-0.05718	0.002202
270	0.032102	-0.002853	0.026817	-0.017456	0.000212	0.005692	0.008351	0.015627	-0.003526	-0.003575	-0.014018	0.029288	-0.000772	0.002753
271	-0.063673	-0.024885	-0.060077	-0.036469	0.015479	0.010791	-0.024979	0.02566	0.043309	-0.006455	-0.005179	-0.024514	0.078614	0.010394
272	0.033594	-0.021899	-0.009544	0.041514	0.019601	0.013666	0.019475	-0.011102	0.00595	0.015255	0.018229	-0.017837	0.016108	0.01448
273	0.025314	-0.039711	0.010621	0.010882	0.014056	0.009678	0.030011	-0.002698	-0.008046	-0.003305	-0.011399	0.015384	0.017181	0.010967
274	0.043224	-0.034813	-0.005164	0.012388	0.012555	0.003441	0.034636	-0.002474	-0.000544	-0.003603	-0.018091	0.001335	0.001754	0.008042
275	-0.007025	0.029904	-0.020315	-0.042341	-0.024928	-0.03056	0.000847	0.038715	0.004819	-0.037858	0.004683	0.058042	0.0162	-0.004278
276	-0.020526	-0.025481	-0.029828	0.016701	0.009794	0.025183	-0.001011	0.029762	0.022219	0.008689	-0.032756	-0.096227	0.024111	-0.002118
277	-0.015768	-0.017016	-0.02683	-0.012713	0.019213	0.012607	0.024081	0.012919	0.001003	-0.012268	-0.01861	0.012599	0.002112	-0.012845
278	-0.024554	-0.003631	-0.034798	-0.037493	0.017737	0.000179	0.004156	0.027904	-0.019319	-0.02487	-0.016163	0.016097	0.029601	0.003346
279	-0.005309	0.016715	0.025463	-0.03833	-0.004348	0.014992	0.00256	0.002848	0.000742	-0.018337	0.026569	-0.004625	0.008102	-0.016481
280	-0.00508	-0.023358	0.028824	0.024063	-0.001081	-0.006622	-0.004217	-0.005246	0.007171	0.042452	0.025954	0.01096	0.029423	0.02663
281	-0.001427	-0.021698	0.025611	0.01616	0.002244	-0.004265	0.006486	0.007812	0.001959	0.028709	-0.000915	0.026495	0.031874	0.022325
282	-0.032429	-0.003067	0.024303	0.036955	-0.014928	-0.041165	-0.036421	0.019647	-0.040118	-0.029939	-0.042837	0.037839	0.007203	-0.007943
283	0.032698	0.017894	0.021969	0.028635	-0.010105	0.00948	-0.022787	-0.008906	0.03554	0.006476	-0.010379	-0.046444	0.003012	-0.047448
284	-0.019213	0.005057	-0.018344	-0.015981	0.003244	0.02067	0.024233	-0.013724	0.023639	0.02244	0.012766	0.000819	0.036228	-0.022853
285	0.034729	0.037477	-0.025842	-0.011307	0.005565	0.012335	0.025834	0.006855	0.01444	-0.02549	-0.017503	-0.02375	0.047592	-0.036345
286	-0.023754	0.002402	-0.01536	-0.019109	-0.010759	-0.009876	-0.000753	0.009366	0.015893	0.033309	0.019482	0.04455	-0.053947	0.004741
287	0.008236	0.012461	-0.001517	-0.022359	-0.018196	-0.026713	-0.008426	-0.004661	-0.01007	0.015302	-0.003144	0.012904	0.004165	0.007148

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
288	0.031883	-0.033489	-0.006174	-0.046491	-0.006704	0.031767	0.026894	-0.001206	-0.006434	-0.00615	0.016726	0.002945	-0.016738	-0.010376
289	-0.034782	-0.016822	0.029414	-0.010951	0.013589	0.003344	0.036529	-0.012167	0.015488	0.006982	-0.008407	-0.037186	-0.003494	-0.045704
290	0.005874	-0.026639	-0.026892	-0.008574	-0.01444	-0.006508	-0.013832	-0.00946	0.011082	0.016061	-0.005796	-0.015073	-0.009798	-0.020575
291	0.014651	-0.031741	-0.02457	-0.001891	-0.017465	-0.002269	-0.012128	-0.02093	0.010988	0.020755	-0.011221	-0.009764	-0.016099	-0.0222
292	0.036419	0.011464	-0.029037	-0.002482	-0.02039	-0.004838	0.016882	0.00156	0.030593	0.000988	-0.016048	-0.001931	-0.036036	-0.041001
293	-0.021104	0.016959	-0.005185	0.006831	-0.006482	-0.017064	-0.005072	-0.036266	-0.049969	0.014759	-0.001957	0.05841	-0.032322	-0.021371
294	0.004401	0.005462	0.057678	0.007813	-0.026732	-0.009463	0.008641	-0.027225	-0.000442	-0.031533	-0.010375	-0.022647	-0.019726	0.001694
295	-0.016859	-0.066497	-0.033037	0.00556	-0.026592	-0.016394	-0.00718	-0.044511	-0.011736	0.026889	-0.018581	-0.020581	-0.010789	0.009856
296	0.043531	-0.02909	-0.048915	-0.026843	-0.022841	-0.008142	-0.010336	0.034956	-0.00531	-0.028844	-0.008634	0.012872	-0.035755	-0.007608
297	0.024187	-0.015883	0.006249	-0.00291	-0.021786	0.011936	-0.002871	-0.04649	-0.019244	-0.017045	-0.028937	-0.032888	-0.012242	0.018351
298	0.000146	0.028601	0.052362	-0.030983	0.025324	0.043696	0.000671	-0.011096	-0.007663	0.016634	0.009604	0.034568	-0.027701	-0.02043
299	-0.038162	-0.009383	0.041845	0.023843	-0.036797	-0.039395	-0.009448	-0.030905	-0.009274	-0.014606	-0.035956	0.018685	-0.044151	0.020497
300	-0.015968	0.041043	0.046652	-0.010674	-0.019548	-0.01541	0.008368	0.006055	0.059193	0.041902	0.016301	0.020476	0.092024	-0.03147
301	-0.015587	-0.020911	-0.00769	-0.03108	-0.0138	0.01323	-0.013225	-0.036507	-0.025489	-0.02576	-0.025642	-0.027089	0.044213	0.000647
302	-0.018937	-0.064622	-0.026267	-0.048252	0.001457	-0.001637	0.032581	0.003166	-0.011909	0.029062	-0.026429	0.017098	-0.004562	-0.009026
303	0.002379	0.047989	0.015133	0.011641	-0.013362	-0.01272	-0.005577	-0.007366	-0.016245	-0.021783	-0.051431	-0.001298	-0.017442	-0.007767
304	0.047567	-0.028901	0.043447	0.033006	-0.019862	0.013676	0.004022	-0.019262	-0.008985	-0.036601	-0.075842	0.051826	-0.029575	-0.024685
305	0.003699	0.051069	0.000721	0.012437	0.037259	0.007859	0.034337	0.017086	0.051993	0.1242	-0.018076	-0.048903	0.039318	-0.021704
306	0.032489	0.042489	-0.049177	0.034949	0.025113	0.027573	0.014434	-0.005651	-0.002084	0.015953	-0.012602	-0.023334	0.043234	-0.027793
307	-0.030752	0.059526	-0.052806	-0.00499	-0.002165	0.023664	0.004736	-0.023001	-0.006052	0.030296	0.045008	-0.016529	-0.055035	-0.023714
308	0.06657	0.022732	0.016026	0.008041	0.012657	0.022025	0.001363	-0.022899	-0.03996	-0.048692	0.01021	0.013408	0.011693	-0.005797
309	-0.007844	-0.004354	0.007015	0.015891	0.010466	-0.011705	-0.013449	0.004739	-0.027353	-0.0184	-0.010313	0.007291	0.022697	0.004115
310	-0.024217	-0.019487	0.036089	0.019759	-0.002602	-0.028265	-0.008449	0.000097	-0.02611	-0.012842	-0.003112	-0.005332	-0.031509	0.000161
311	-0.03957	0.062947	0.026174	0.01243	0.028183	0.020344	-0.009291	0.00341	-0.011146	0.036415	-0.018722	0.01008	0.07457	-0.018104
312	0.059253	0.036508	0.036716	-0.054513	-0.034923	-0.033678	-0.015433	0.00396	0.033111	-0.019698	-0.020049	-0.03337	-0.063467	-0.019632
313	-0.013109	-0.004849	-0.012117	-0.002978	-0.005642	-0.004468	-0.004112	-0.011527	-0.002132	-0.003804	0.007221	0.017849	0.024641	-0.015444
314	0.022883	-0.110266	0.001032	0.021908	-0.012882	-0.004874	0.010404	-0.006932	0.009493	0.038675	-0.018716	-0.014529	0.064269	-0.017703
315	-0.016797	0.000685	0.021782	0.000431	0.009611	0.001167	0.008897	0.025103	0.026096	0.029846	-0.007937	-0.019911	0.016072	0.001947
316	-0.02112	-0.036796	-0.041577	0.076074	0.010249	0.009017	-0.012926	-0.009548	0.006263	-0.038767	0.051125	0.004466	0.009535	0.019898
317	0.060308	0.010046	-0.007938	-0.007751	0.006692	0.012347	-0.012576	-0.021311	-0.019065	-0.000753	-0.012984	-0.027816	0.060461	-0.001779
318	0.055345	-0.004723	-0.027966	0.040742	0.031933	0.038636	0.020246	-0.002137	0.043718	0.002435	0.001666	-0.011534	-0.003224	-0.028772
319	0.036429	-0.025446	0.048506	-0.024574	0.004964	0.017282	0.01065	0.009792	0.014343	0.011786	-0.016348	-0.038375	0.03534	0.012674
320	-0.025937	0.000346	0.050152	0.006151	-0.020096	0.029474	0.011442	0.037783	0.039395	-0.064561	0.051782	0.044977	-0.068664	-0.062297
321	-0.067359	0.011096	-0.033662	-0.036572	0.020292	-0.002486	0.016532	0.073072	0.019226	-0.009474	0.033557	0.027976	-0.026739	0.015522
322	0.068558	-0.036555	-0.049325	-0.020758	-0.024785	-0.033333	-0.019442	-0.020809	0.044658	0.007187	-0.045408	-0.0654	-0.03355	0.000355
323	-0.056095	-0.106152	-0.03662	0.042938	-0.026384	-0.010599	-0.028462	0.017046	0.012214	-0.010831	0.001148	-0.00647	0.022083	0.037643
324	-0.069804	0.039857	-0.070508	0.018544	0.025353	0.001347	0.008768	0.061401	0.047791	0.023248	-0.044518	0.025157	0.049672	-0.010943
325	0.030042	0.067386	0.022865	0.001315	0.002146	-0.021534	-0.027047	0.031982	-0.008787	-0.021759	0.014631	0.033609	-0.006598	0.021867
326	0.070074	-0.01429	-0.035324	-0.067858	0.010098	-0.005146	-0.009201	0.025585	0.048271	0.027008	-0.001035	-0.048169	0.002787	0.016439
327	0.026303	-0.013466	-0.039484	0.027172	0.023476	0.021808	0.020391	0.012092	0.00633	-0.037196	0.005619	0.023289	-0.030836	-0.014509
328	0.01264	0.07438	-0.001219	-0.048651	0.020876	-0.01979	0.008424	0.024331	-0.030135	-0.017656	-0.022364	0.01652	0.081832	-0.019065

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
329	-0.042409	-0.028267	-0.040026	0.00304	0.00944	0.031327	0.023468	0.016957	0.024817	0.016931	-0.007236	-0.007882	0.033484	0.00585
330	0.024239	-0.021209	-0.03061	0.003351	-0.047075	-0.018414	-0.032279	-0.028659	-0.002935	0.025778	-0.008815	-0.102326	-0.04819	0.001848
331	0.00442	-0.027204	-0.041865	-0.008597	0.005115	0.015982	0.006669	0.010286	0.000697	0.009945	0.0112	0.01266	-0.005756	-0.00445
332	-0.070183	-0.052462	0.044836	-0.013621	0.017545	0.02095	0.000477	-0.021731	0.015816	-0.017523	-0.012123	0.02643	-0.025452	-0.01317
333	0.01729	0.009797	-0.018677	0.00491	0.041955	0.023328	0.015901	0.007269	-0.007097	-0.015111	0.015495	0.028313	0.015806	-0.007457
334	-0.062769	0.023719	-0.027155	-0.001005	-0.007341	0.012104	0.020005	-0.044024	0.006688	0.030413	0.037099	-0.014875	-0.019557	-0.025873
335	-0.017221	0.028758	0.019056	0.016813	-0.009812	-0.007092	-0.014098	0.006916	-0.014053	-0.049123	0.008461	0.00227	0.014667	0.040458
336	-0.040975	0.034021	0.032352	0.035266	-0.002462	0.020397	-0.02505	-0.017253	0.001693	-0.005442	0.0181	0.030596	-0.033173	-0.017491
337	0.042381	0.028623	0.070672	-0.049154	0.009091	-0.021511	-0.010629	0.007746	-0.019373	-0.009521	0.089447	0.030231	0.067202	0.061977
338	-0.030385	-0.018282	0.009787	0.020054	-0.018171	-0.009386	-0.032567	0.031683	-0.002776	0.041523	0.036338	-0.00908	-0.004862	-0.002539
339	-0.008643	-0.065674	-0.018161	-0.044604	0.003126	0.005577	-0.008652	0.004902	-0.006997	0.005053	0.000618	-0.018611	0.078462	0.034233
340	-0.022465	-0.042065	0.037309	-0.058503	0.035785	0.07061	0.004484	-0.004279	0.00002	-0.039252	0.023786	0.034075	0.01318	0.022595

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
1	-0.070147	-0.065169	-0.072032	-0.079937	-0.067952	0.059341	-0.04182	-0.083738	-0.027568	-0.037226	0.03544	0.025903	0.018329	-0.108682
2	0.032747	0.00022	0.000342	0.004684	0.025018	0.070324	-0.025421	0.021144	0.029604	0.038716	0.042823	-0.00443	0.02157	0.000621
3	0.018537	0.055984	0.032665	0.068128	0.073442	-0.032148	-0.006385	0.047449	0.044304	0.016757	0.008864	0.107769	-0.019705	0.062207
4	-0.005425	-0.031354	-0.0331	-0.061706	-0.03297	-0.10909	-0.067681	0.025543	0.021166	-0.005861	-0.071302	-0.006039	0.00226	-0.060995
5	-0.019591	0.001092	-0.026362	0.047104	0.034316	-0.005583	0.033864	-0.024238	0.031066	-0.000871	0.077688	0.045213	0.000444	0.068243
6	-0.00216	0.038263	0.02582	0.030582	0.029769	0.000941	0.010497	0.04723	-0.021795	-0.059301	-0.005332	-0.008144	-0.036014	-0.012051
7	-0.011157	-0.019936	-0.009653	-0.01939	-0.031509	0.074759	-0.060876	-0.135343	0.011643	-0.007202	-0.044426	-0.123188	-0.052375	-0.080409
8	-0.007302	0.00542	0.01919	-0.042933	-0.020055	-0.00311	-0.010076	0.025727	0.024906	0.046576	0.037134	0.002549	-0.019971	0.056996
9	0.028775	-0.003679	-0.022235	0.011177	0.039008	-0.028803	0.002212	-0.030538	-0.033939	-0.051903	-0.019888	-0.023755	-0.091984	0.072143
10	0.005419	-0.064366	-0.053484	-0.023389	0.037006	0.075412	-0.052052	-0.0418	0.013471	0.062113	0.057259	0.069238	0.003399	-0.04642
11	0.039509	-0.002289	0.005195	0.002045	0.033961	0.017712	0.010368	0.012083	-0.010958	0.008187	0.015061	-0.008981	0.056848	0.004277
12	0.03057	-0.004148	-0.007193	-0.00309	0.019358	-0.037092	-0.010703	-0.027505	0.000122	0.005009	0.012936	0.006577	0.057157	0.043468
13	-0.02993	-0.02628	-0.037229	-0.036581	-0.03334	-0.026163	0.006441	0.003798	0.058957	0.014111	0.101701	-0.072647	-0.072698	0.050804
14	-0.001538	0.048964	0.057099	0.059412	-0.037288	-0.056923	-0.075706	0.019785	0.036952	-0.015493	-0.018003	0.05655	0.027846	0.044952
15	0.029157	0.047574	0.041001	0.065221	0.029169	-0.081216	-0.007498	-0.030039	0.021495	-0.039091	-0.014192	0.065479	0.062359	0.02482
16	-0.010818	0.007064	0.000693	0.015671	-0.009545	-0.038004	0.043123	0.047358	0.016244	0.008585	0.017493	-0.00326	-0.026861	-0.024455
17	0.026401	0.004641	0.005821	0.032862	0.067228	0.084004	0.056781	0.031174	-0.031276	0.052593	-0.01471	0.007039	0.021906	0.10394
18	0.000583	0.035348	0.038476	0.012735	-0.034628	-0.026268	-0.033234	0.044154	0.018403	0.054778	-0.014153	0.000019	0.026946	-0.03401
19	-0.03463	-0.022466	-0.025527	0.018718	-0.005789	-0.144558	0.065819	-0.054277	-0.032565	0.00716	-0.038948	-0.035793	-0.055409	-0.026438
20	-0.005699	0.018379	-0.028244	-0.030449	-0.047294	-0.007898	0.045483	-0.073069	-0.031208	-0.126511	-0.119732	-0.05127	-0.074348	-0.064911
21	-0.005096	0.002091	-0.013616	-0.043684	-0.001757	-0.059864	0.045315	0.070944	-0.050135	-0.038258	0.03995	-0.042315	0.020442	0.03176
22	-0.00608	0.001936	0.016527	0.004303	-0.064185	-0.100879	-0.022574	0.106445	-0.002374	0.000448	0.031188	-0.042542	0.001517	-0.000381
23	-0.000662	-0.075141	-0.035318	-0.056972	-0.006745	0.032368	-0.019301	-0.079385	-0.041966	-0.019902	-0.041277	-0.002606	0.051091	-0.048222
24	0.012057	0.028964	0.005356	0.083171	0.0345	0.041278	0.026414	0.029673	0.008882	0.029717	-0.006441	-0.006184	-0.014734	0.017985
25	-0.005327	0.007405	0.021847	0.042383	0.031639	0.044495	-0.055699	0.074297	0.07549	0.033958	0.0129	-0.055028	-0.065928	0.038144
26	-0.04782	0.017948	-0.007174	0.012203	0.023768	0.15354	-0.006904	0.017944	0.112988	0.101469	-0.015039	0.10742	0.083933	-0.013395
27	-0.104505	0.006206	-0.036882	0.007861	-0.113201	-0.160178	-0.025843	0.055188	0.028076	0.059237	0.141222	-0.005296	-0.019574	-0.002517
28	0.062238	0.041159	0.018669	-0.004461	0.006611	-0.034847	0.118681	0.061531	0.022875	0.05943	0.07685	0.072764	0.006031	-0.090007
29	0.033594	0.027735	0.019924	-0.024995	-0.006124	-0.062868	0.011093	0.030372	0.012276	0.015518	0.00811	0.009099	-0.001071	0.040129
30	-0.000233	-0.001991	0.005014	-0.022163	-0.038262	-0.112333	-0.087605	0.046527	-0.023252	-0.019568	-0.069519	-0.063664	-0.025793	-0.140541
31	0.032784	-0.031437	0.004265	0.065887	0.119302	0.062076	0.022352	0.012834	-0.023246	-0.032261	0.026987	0.018789	-0.032169	0.022814
32	0.004482	0.019198	0.001272	-0.005005	-0.006753	-0.001933	-0.064263	0.050271	0.053867	-0.051498	-0.111199	-0.003387	0.100258	-0.062304
33	0.048195	0.000374	0.003913	-0.085904	0.002813	-0.018651	-0.040035	-0.005352	0.001867	0.102194	0.158798	0.012631	-0.017969	-0.055732
34	0.009563	-0.006455	-0.027291	-0.027446	0.033035	0.022074	-0.06041	-0.020072	0.001371	0.027801	-0.027179	-0.025396	-0.011612	0.039117
35	-0.012878	0.033295	0.025126	0.051212	-0.056601	-0.036157	0.095179	0.029215	-0.001054	0.048188	0.051991	-0.008722	-0.039492	-0.015289
36	0.014211	0.021233	0.024977	0.012076	-0.024464	0.062302	0.075304	0.048653	-0.04504	-0.011962	-0.003779	0.017	0.057431	-0.092188
37	-0.023558	-0.006946	0.020593	0.043013	0.008775	-0.028319	-0.022671	-0.099484	0.008464	0.047043	0.031831	0.05364	0.042464	-0.077928
38	-0.016042	0.003373	-0.005457	0.024231	0.084996	0.088363	-0.04698	0.040021	0.009604	-0.015002	-0.045984	0.005153	-0.017122	-0.026124
39	0.020314	0.051661	0.054635	0.026947	-0.017855	0.03275	-0.074042	-0.101576	-0.032219	-0.034812	-0.022012	0.079827	0.085071	-0.03824
40	-0.086875	-0.10925	-0.093158	-0.013754	-0.030275	0.053132	0.237137	-0.015975	0.065773	0.055016	0.012638	-0.074869	-0.038131	-0.047999
41	0.009258	0.009381	0.039642	0.006265	0.03917	0.021891	-0.037745	-0.04648	0.01733	0.03122	-0.010807	0.037857	-0.054318	-0.03804

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
42	0.037285	0.082103	0.059468	0.008018	-0.006503	-0.029331	0.065164	0.065025	0.00776	0.026213	-0.045737	0.046979	0.056391	0.021218
43	0.041122	0.039957	0.035354	0.001927	0.001002	-0.025139	0.033618	-0.064588	-0.014721	-0.096364	-0.115394	0.094844	0.010019	0.003326
44	0.014545	0.017592	-0.004485	0.024575	0.03599	0.052578	0.050596	-0.044227	-0.064555	-0.031642	-0.00851	-0.02178	-0.028716	-0.042958
45	-0.05628	-0.030613	-0.045405	-0.080977	-0.083402	0.034915	-0.034179	0.179033	0.043657	0.015733	0.027913	0.081229	-0.015602	-0.034973
46	0.054647	0.020705	0.002784	0.00473	0.07453	0.004393	0.022418	0.02108	-0.010224	0.02545	-0.001677	0.031253	0.09308	0.033169
47	-0.001887	0.028673	0.004768	0.017998	0.041538	0.031329	0.06883	0.128002	0.032471	0.001213	-0.063295	-0.005619	0.027064	0.02768
48	0.016811	-0.040752	0.003787	0.009883	-0.05777	-0.121924	0.087412	0.076194	0.029186	0.025403	0.03026	0.000176	0.029086	-0.030456
49	-0.037468	-0.057637	-0.040053	-0.008969	0.085244	0.12888	-0.070023	0.023029	0.024786	0.001627	0.042374	-0.048821	-0.098424	0.07894
50	0.029402	0.04274	0.04478	0.052678	-0.056458	-0.052292	0.076344	0.048074	0.123015	0.031286	0.001805	-0.01311	0.002751	-0.015868
51	-0.029551	0.033999	0.030448	-0.04465	-0.023251	0.022869	0.048442	0.073288	-0.069486	0.027088	0.112746	0.06367	-0.014799	-0.107608
52	0.051505	0.070098	0.084604	0.032899	0.066476	0.081822	0.109847	0.076082	-0.008232	-0.058515	-0.004465	0.001059	0.011973	0.03804
53	0.082329	0.029578	0.027721	0.076892	0.009547	-0.075393	0.103496	-0.073375	0.083007	0.0724	0.038268	-0.106786	-0.086496	0.023739
54	-0.01121	-0.032648	-0.005598	0.015324	0.051219	0.09062	-0.029899	-0.029014	0.053995	0.147323	0.098589	-0.098707	-0.020847	-0.01081
55	0.016474	0.01167	0.001266	0.01787	0.029736	0.033038	0.006763	0.051813	0.035163	-0.025377	-0.041286	0.091816	0.047461	0.053597
56	0.035099	0.046909	0.040342	0.045354	-0.013668	-0.057576	0.001674	-0.064952	-0.009115	0.010913	-0.047799	-0.02077	0.116664	0.055842
57	0.026375	0.036513	0.055901	0.02556	0.074254	0.052434	0.067857	0.132477	0.045777	0.082101	0.036024	-0.039734	-0.012851	0.11768
58	0.010491	0.023693	-0.016675	0.014127	-0.003252	-0.069671	-0.055784	-0.00002	0.045644	0.012812	-0.021766	-0.031466	-0.02959	0.024085
59	-0.042522	0.019087	-0.011118	-0.000545	-0.045715	0.023202	-0.033849	0.006057	-0.000337	0.038172	0.088127	0.066287	-0.036432	0.041766
60	0.026824	0.098529	0.065491	0.010986	-0.040969	0.011429	0.049354	-0.138986	0.030804	0.053039	0.081386	-0.01137	0.037949	-0.07982
61	-0.023905	-0.009255	-0.003142	0.019416	-0.004785	-0.006793	-0.044169	0.111792	0.049239	0.011899	0.004443	-0.012753	-0.007773	0.026281
62	0.022931	0.000826	0.022775	-0.011791	0.010742	-0.022025	0.020847	-0.017326	-0.003293	0.034025	-0.000651	-0.044544	-0.054556	-0.039047
63	0.053584	0.005481	-0.003233	0.02043	0.062502	-0.015783	-0.025345	0.019391	-0.066675	-0.05311	0.015827	0.006094	0.078689	0.021097
64	0.022541	0.00378	-0.000034	0.0107	0.00643	0.02244	0.036851	0.029688	-0.006187	-0.005361	0.016965	0.023466	0.020872	-0.011531
65	-0.01617	-0.003435	-0.020748	-0.031051	-0.071621	0.040706	-0.004883	-0.067702	0.039027	0.028471	0.019306	-0.000926	0.011819	-0.061492
66	0.000384	0.020249	0.020568	0.046665	-0.00929	0.011247	0.096959	-0.10252	0.038189	0.01167	0.074296	0.009249	-0.002721	0.030347
67	0.008303	0.02105	0.052198	0.040077	-0.042847	-0.095696	0.039961	0.065486	-0.023238	0.007264	0.014387	-0.102964	-0.028687	-0.071693
68	0.040826	-0.01951	-0.009192	0.019032	0.080448	0.026205	-0.036288	0.03303	0.002904	-0.027893	0.010629	0.009458	0.004151	0.011711
69	-0.02679	0.015601	-0.007124	-0.037928	-0.030489	-0.089684	0.007523	-0.058306	0.045112	0.043777	0.041552	0.071278	0.087577	-0.062465
70	0.060325	0.032438	0.001383	0.015081	0.008323	0.001094	-0.045931	0.092109	-0.013517	-0.026312	-0.02337	-0.017512	0.069591	0.107377
71	-0.009411	-0.00327	-0.004618	0.029133	-0.000693	-0.043055	-0.039504	-0.066472	0.002567	-0.012	0.02184	0.002545	0.001979	-0.065589
72	0.004046	0.020434	0.042786	-0.043514	-0.002917	0.044119	0.173819	0.0723	0.026914	0.006571	0.045579	0.028785	0.046711	-0.064696
73	-0.022071	-0.026003	-0.025443	0.018	-0.004328	0.093205	-0.023168	-0.013714	0.001674	0.009156	-0.005123	0.022654	0.071222	0.134579
74	0.013109	0.003239	-0.025985	-0.041993	-0.030441	0.034247	-0.009413	0.022519	0.012919	-0.005202	-0.024339	-0.031393	0.014016	-0.041385
75	0.082777	0.033521	0.030725	0.028218	0.103744	0.102225	0.09953	-0.034401	-0.03919	-0.019353	0.00808	0.020186	-0.076542	0.011306
76	-0.025405	0.005895	0.020498	0.053672	-0.014484	-0.046278	0.025464	-0.017265	-0.058296	0.021345	-0.143231	0.033945	0.000053	-0.104402
77	0.000529	-0.028974	0.000743	0.010555	0.034127	-0.009366	0.007065	0.022542	0.084843	0.034067	0.067607	-0.029059	-0.031257	0.010776
78	-0.021208	-0.075234	-0.070509	-0.063135	0.007419	0.019761	-0.06842	-0.017314	0.001487	-0.024011	0.017824	-0.057328	0.041934	0.00013
79	-0.026287	-0.001981	0.01581	-0.075331	-0.024485	0.087904	0.045096	-0.022615	-0.128208	-0.049564	-0.002438	0.01424	-0.057125	-0.116753
80	-0.013646	-0.031253	-0.035014	-0.03651	0.012538	-0.004819	0.035302	-0.005895	0.022411	0.035676	-0.026806	-0.037185	-0.012043	0.026042
81	0.006164	-0.008627	-0.007464	0.007646	-0.005335	0.066131	-0.000244	0.069106	0.00688	-0.012313	-0.021968	-0.016112	0.002369	0.007088
82	-0.059479	-0.066531	-0.063871	-0.058248	-0.011395	-0.004511	0.060352	-0.044567	-0.060094	0.016628	0.092152	0.031086	-0.053238	0.112936

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
83	0.052667	0.049211	0.04718	-0.029871	0.033794	-0.060941	0.092498	-0.008801	0.047388	-0.0238	-0.04796	0.002896	0.003192	-0.013905
84	0.023003	-0.034808	-0.016202	-0.102911	0.038186	0.008587	0.123601	0.049561	0.018137	0.009828	-0.057085	0.054389	0.004506	0.030338
85	0.019347	0.073001	0.060052	0.001642	0.016146	0.128329	0.05242	-0.088779	0.017284	0.0244	-0.011417	0.030874	-0.072604	-0.103764
86	-0.019585	0.003306	-0.006424	-0.00816	-0.018973	-0.071133	0.058134	0.115115	0.021896	0.015589	-0.078704	-0.074133	0.00385	-0.023891
87	0.032252	-0.056435	-0.028922	0.006298	0.010111	0.037458	-0.09425	-0.006114	-0.076751	-0.050088	-0.038227	-0.105123	-0.058144	0.078085
88	-0.02635	-0.017217	-0.016294	-0.004967	0.011095	-0.073031	-0.063603	0.051497	-0.136215	-0.068553	-0.031196	-0.057921	-0.069308	-0.173698
89	-0.082762	-0.021426	-0.023397	0.030805	-0.06692	-0.055726	0.079868	0.041173	0.033458	-0.015072	-0.042194	-0.065626	0.017843	0.03503
90	0.063081	0.051453	0.123215	0.129072	0.105322	0.177577	-0.079983	-0.085723	-0.080497	-0.099282	-0.037606	-0.015673	-0.069983	0.072664
91	-0.075362	-0.064902	-0.066495	-0.036033	-0.046092	-0.01217	-0.006201	-0.010469	0.051989	0.033338	0.092902	-0.086339	-0.060628	0.087148
92	0.033656	0.019151	0.018554	0.030369	0.001723	0.018818	-0.094475	-0.01004	0.111322	0.071341	0.02425	0.006606	0.026422	-0.001028
93	0.016062	0.007558	0.000806	0.066652	-0.038657	-0.180628	-0.036239	-0.09594	-0.070758	-0.040379	-0.016268	0.051555	0.013947	0.079793
94	0.086325	0.021518	-0.008446	-0.024436	0.030192	0.131119	0.022814	0.047027	0.00403	0.019896	0.0043	-0.007448	0.067877	0.103661
95	0.01944	0.038316	0.020086	0.018288	-0.038798	-0.009735	-0.087724	-0.157441	-0.015114	0.06671	0.129337	-0.001956	-0.007752	-0.028649
96	-0.020729	-0.01023	0.021395	0.011515	-0.031884	-0.029698	-0.127002	0.016166	0.039352	0.030218	-0.016249	0.089276	-0.006772	-0.009497
97	0.002022	-0.030072	-0.022799	-0.036642	0.047927	-0.036091	-0.107752	0.030108	-0.058185	-0.039993	0.095479	0.008293	0.005861	0.007558
98	-0.037205	-0.026458	-0.036581	-0.082369	0.02288	0.033847	0.025635	0.089524	0.035995	0.04057	-0.004914	0.047735	0.045541	-0.06498
99	0.030774	0.072591	0.048459	-0.004922	-0.053113	-0.008208	0.095892	0.10476	-0.016846	0.013611	0.039358	-0.088406	-0.044288	-0.089341
100	-0.015436	-0.01815	-0.029853	-0.075384	-0.090258	-0.063743	-0.036568	-0.086214	-0.056047	-0.046752	-0.054818	-0.012639	0.010311	-0.005957
101	-0.032641	-0.049972	-0.059508	-0.026096	0.053813	-0.047957	0.028283	0.081756	-0.0057	-0.01968	-0.060742	0.036792	-0.032244	0.106355
102	-0.003017	0.007178	0.010989	-0.024828	0.019126	0.040438	0.036892	-0.060216	-0.050423	-0.149174	-0.084994	-0.012635	0.00678	0.052449
103	-0.021291	-0.016248	0.013583	0.009229	0.001969	-0.012195	0.097621	-0.059116	-0.018739	0.038284	-0.044101	-0.019269	-0.025224	0.043706
104	-0.018366	0.002496	-0.011912	0.003894	-0.033869	-0.01634	0.086207	0.015788	-0.060915	-0.037767	-0.000658	-0.021195	-0.048704	-0.036832
105	-0.01688	-0.025427	-0.030146	0.041263	0.00023	0.051334	0.001843	0.039547	0.020931	-0.014235	-0.057471	-0.053521	-0.099682	-0.029467
106	0.068123	0.021394	0.036205	0.115088	0.083199	-0.034909	-0.109492	0.03293	0.075579	0.003961	0.099614	-0.012563	-0.015002	-0.06125
107	-0.019042	0.026278	0.022639	-0.004225	-0.121277	-0.153698	0.065451	0.016209	0.004809	-0.01368	-0.018795	-0.021485	0.008986	0.077937
108	0.035664	-0.013196	0.009173	0.01982	0.054783	0.042684	-0.008022	-0.016032	0.0043	0.032009	-0.021453	0.014548	0.069157	-0.018477
109	-0.00624	0.011689	0.012425	0.04076	-0.018753	0.011158	0.031162	-0.01798	0.036685	-0.002874	0.027073	0.018469	-0.048865	0.060703
110	-0.032183	-0.007031	-0.011633	-0.016112	-0.02267	0.065338	0.028271	-0.013845	0.014654	-0.046437	-0.039372	0.003565	0.033196	-0.03529
111	-0.039236	-0.010928	-0.001122	-0.018454	-0.019344	-0.045505	0.016057	0.037107	-0.028746	-0.022161	-0.014559	0.04875	-0.028082	-0.017088
112	-0.005604	-0.027366	-0.019605	-0.062816	-0.006519	0.057345	-0.053704	0.029523	-0.06087	-0.030591	0.036138	-0.013394	-0.033232	0.00283
113	0.032877	0.013068	0.009105	-0.001213	0.0216	-0.006497	0.022323	0.101151	-0.003308	-0.016966	-0.021123	-0.023485	0.055559	-0.011945
114	-0.007701	-0.006037	0.009265	-0.054241	-0.066829	-0.066709	0.008875	-0.000014	-0.033705	-0.027084	0.021928	-0.051903	0.015273	0.091204
115	-0.025903	-0.020411	-0.012139	-0.049129	-0.027198	0.09876	-0.044514	-0.07741	-0.017781	-0.005416	0.011267	-0.030908	0.048673	0.008839
116	0.023065	-0.038449	-0.035824	-0.063872	-0.000535	-0.021584	-0.069254	-0.034629	0.024553	0.027302	0.058129	0.080378	0.0281	-0.050603
117	-0.052306	0.012456	-0.072452	-0.043141	-0.026681	0.047143	-0.056992	0.005112	0.025851	0.02833	-0.026801	-0.035273	-0.063026	-0.055008
118	-0.049108	-0.027855	0.016151	0.000558	0.010248	-0.012705	0.075262	0.060415	0.034875	-0.00961	-0.020778	0.017085	-0.000635	-0.09905
119	0.046184	0.054597	-0.00406	-0.085059	-0.048407	-0.051318	0.036115	0.105475	0.02255	-0.053484	-0.021699	-0.041489	-0.172581	-0.045797
120	-0.028384	-0.031819	0.024195	0.081913	-0.01291	-0.053134	0.005173	-0.044324	0.01711	0.021386	0.034571	-0.071972	-0.054654	0.030033
121	0.039929	0.003631	0.021785	-0.053172	-0.015831	0.005453	-0.078991	-0.036313	-0.078167	-0.067631	0.050572	0.052124	0.039927	0.028999
122	-0.033502	0.002529	-0.001532	0.033312	-0.013273	-0.035367	0.01367	-0.032658	0.002431	0.035956	0.041014	0.104937	0.051603	0.024732
123	-0.003938	0.029395	-0.017636	0.017452	0.001528	0.003212	-0.038438	-0.043635	0.065321	0.021684	-0.105426	-0.03966	0.10037	0.000837

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
124	0.049982	0.030382	0.085631	0.056215	-0.016114	-0.070454	0.12029	-0.037472	-0.018691	-0.00089	-0.015993	-0.018269	-0.038923	0.017473
125	0.064498	-0.028275	0.003735	-0.010858	-0.013725	-0.046685	0.014676	0.023817	-0.143026	-0.07183	-0.063851	-0.056044	-0.060783	0.051459
126	0.053066	0.040165	0.012524	0.016099	0.029689	-0.044382	-0.03525	0.046747	0.005222	0.090283	0.07203	-0.002843	-0.007828	0.017892
127	-0.069335	-0.029692	0.047522	0.02713	0.078269	0.058316	-0.177508	0.151286	0.005598	0.018743	0.073997	0.08473	-0.036547	-0.057449
128	0.010759	0.029808	0.057852	-0.020771	-0.089667	-0.103964	-0.111837	-0.016671	-0.089168	-0.049552	-0.072907	-0.008337	0.006077	0.045803
129	0.005842	0.002499	-0.003337	0.001032	0.013415	0.006485	-0.064708	0.025353	-0.014984	0.027817	0.027266	0.035071	-0.053414	0.049281
130	0.007408	-0.001906	-0.016837	-0.030705	0.031146	0.017678	-0.00173	-0.105747	0.031187	0.02095	0.006653	0.004716	0.041872	-0.065246
131	0.008608	0.028501	0.017445	0.022375	-0.036044	0.01755	0.013056	0.01545	0.04968	0.032108	-0.010751	0.008495	0.019993	0.007823
132	0.011522	0.036774	-0.013115	0.009321	0.017046	-0.069069	-0.068425	0.078489	0.131392	0.017176	-0.027737	-0.011392	-0.080976	-0.036386
133	-0.020681	0.007272	-0.005701	-0.008685	0.015829	0.095989	0.108595	-0.000762	0.075357	0.084558	0.083179	-0.089062	-0.018326	-0.007949
134	0.058323	0.028466	0.018165	0.05957	0.006611	0.004455	-0.107595	0.062687	-0.04038	-0.02847	-0.055253	-0.007682	-0.037012	0.006992
135	0.009831	-0.01746	-0.035548	-0.075604	0.028052	0.051376	-0.080902	0.035493	-0.021025	-0.023512	0.049211	0.021059	-0.063136	-0.001948
136	-0.032339	-0.003585	-0.000582	0.023517	-0.053008	0.001493	0.030879	-0.06943	-0.076855	-0.045658	-0.008316	-0.033373	0.005095	0.051845
137	-0.059179	-0.019126	-0.015739	-0.038851	-0.05934	0.015594	-0.062735	0.029833	0.06828	0.009439	-0.008191	0.032595	0.055813	0.011077
138	-0.029268	-0.011138	0.005058	0.011355	-0.012884	0.03301	0.02819	-0.049276	-0.018177	-0.006203	-0.058558	-0.068666	0.001694	0.012669
139	0.010819	0.014148	0.0191	0.026728	-0.002292	0.006796	-0.030845	-0.007658	-0.018801	0.011644	0.000728	-0.002422	0.021021	0.045388
140	-0.013302	-0.010156	-0.00303	-0.001165	0.011313	-0.025063	0.066496	-0.048176	-0.007953	-0.036378	0.034522	0.077305	-0.058136	0.016248
141	0.030502	0.028807	0.038708	0.062218	0.020278	0.081093	0.000061	0.01781	0.022271	-0.003537	0.030788	-0.021677	0.002421	-0.006161
142	-0.039552	-0.011574	0.013065	-0.000003	-0.000229	-0.02802	-0.054625	0.042673	0.043588	0.003827	-0.011639	0.056304	-0.009731	0.026125
143	0.004386	0.029863	0.014416	0.005169	0.017838	0.001254	-0.043702	-0.037906	0.00835	0.039059	0.027664	-0.005254	-0.014268	-0.013704
144	0.01988	0.004447	-0.007903	-0.0691	-0.011875	0.0171	0.001468	0.017157	0.006492	-0.004179	0.026503	-0.002595	0.014039	-0.026701
145	-0.014745	-0.050449	-0.01163	0.037533	0.005348	0.010104	-0.062878	-0.02457	-0.01013	0.004834	0.042454	-0.004399	0.029051	-0.000851
146	-0.013291	0.023416	0.027572	0.014771	-0.022323	-0.009021	0.027371	0.008142	-0.011222	0.004594	-0.052459	0.047673	0.046519	-0.083971
147	-0.0329	-0.042573	-0.014688	-0.018144	-0.012661	0.022536	0.099467	0.003526	0.015522	0.016608	-0.025058	0.004993	0.027678	0.030592
148	0.005391	-0.013715	-0.000722	-0.026582	0.008766	0.017209	-0.042586	0.028173	-0.012422	-0.057157	-0.079706	0.003519	-0.001107	0.023206
149	0.014765	-0.009565	-0.013862	-0.025501	0.004226	-0.050689	-0.055662	0.024579	0.03898	0.029762	0.048685	-0.02199	-0.040795	-0.016474
150	0.036066	0.035244	0.020807	-0.035419	0.008061	0.035077	0.042549	0.00051	0.022367	0.010288	0.050433	0.076686	0.044736	-0.06821
151	0.017499	0.017732	-0.015998	0.011574	0.054515	-0.007878	0.02839	0.034257	0.038134	0.005135	-0.008012	-0.065444	0.010951	0.031335
152	-0.038281	-0.030543	-0.036147	0.03036	0.008463	-0.043327	0.023465	-0.064764	0.044458	0.067472	0.057435	-0.000377	0.017777	-0.004037
153	0.017382	0.006074	-0.023029	-0.000246	-0.032161	-0.029199	-0.019017	-0.032093	-0.001641	-0.003541	0.008903	0.004584	0.024292	0.009682
154	0.003438	-0.00101	0.007831	-0.007518	0.011299	0.037673	0.007565	-0.03802	0.009526	0.009886	0.023495	0.01737	0.042304	0.007957
155	0.026123	0.041097	0.021962	-0.009103	-0.015071	-0.026546	0.004661	0.050323	0.006527	-0.019317	0.007305	0.034596	0.006678	-0.025178
156	-0.002943	-0.000611	0.0097	0.028183	0.021595	0.011979	-0.003598	0.075072	0.031206	-0.006013	0.029034	0.021804	-0.066835	-0.018209
157	0.049111	0.012156	0.018394	0.031783	-0.00092	0.000663	-0.033925	0.007429	-0.033671	0.012866	-0.083604	-0.016814	-0.014777	0.033761
158	0.023307	-0.009647	-0.013424	-0.015771	0.008347	-0.027283	0.07288	0.027019	-0.020284	-0.029681	-0.03223	-0.019667	0.037392	0.026744
159	-0.016058	0.000139	-0.003081	-0.040017	-0.013827	0.023337	0.02823	0.003958	-0.006371	-0.010161	-0.045205	-0.010953	0.021414	0.01832
160	0.026684	0.016972	0.009843	0.028946	0.032965	-0.054901	0.034187	-0.029198	0.020365	0.008433	-0.037476	-0.027259	0.004446	-0.034636
161	-0.00442	0.008581	0.011109	0.031155	0.0538	0.012737	0.065138	-0.059455	0.032538	0.051186	0.037129	0.009766	-0.015674	-0.056842
162	-0.012622	-0.021724	-0.000756	0.010221	0.01598	0.058546	0.051518	-0.012036	-0.034713	-0.033492	-0.006153	-0.079487	0.01114	0.012233
163	-0.009673	0.010395	0.024173	0.050598	0.010873	-0.011949	-0.045113	-0.008154	-0.009251	-0.013586	-0.020067	0.018	0.033756	-0.021806
164	0.034673	0.040456	0.03209	0.02978	0.039356	0.032233	0.026582	-0.032277	-0.00141	0.016106	-0.047147	0.036501	0.086768	-0.035764

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
165	-0.000971	-0.008406	0.005756	-0.025651	-0.014781	0.000991	-0.009842	-0.008567	-0.068033	-0.070136	0.015892	0.031	0.051952	-0.011991
166	0.005535	-0.015175	-0.009188	0.000732	0.059357	-0.020993	-0.021064	0.028266	-0.012457	-0.006523	0.030258	0.011022	-0.009504	0.014737
167	-0.053213	-0.055385	-0.044261	0.005748	0.004069	0.013538	0.036503	0.001558	-0.03096	0.010499	0.02485	-0.008147	-0.013539	0.009427
168	-0.06985	0.001296	0.02646	-0.017583	-0.086742	-0.067947	0.021774	-0.016283	0.041097	0.021775	0.005709	-0.04208	-0.015665	-0.098353
169	-0.022193	-0.008338	-0.001955	-0.002491	0.004046	0.021183	0.038125	0.024117	0.023211	0.001413	0.005353	0.006999	-0.006094	0.033459
170	-0.011972	-0.025241	-0.024428	-0.055262	-0.000277	0.015479	0.099533	0.047954	0.03045	0.022667	0.061121	-0.015384	-0.013763	0.041062
171	-0.055204	-0.008614	-0.019431	0.008266	-0.079227	-0.068763	0.041442	-0.02854	0.052463	0.042384	0.027363	-0.025591	0.008547	0.039449
172	0.027032	0.051829	0.065281	0.038082	0.041434	-0.011525	-0.013604	-0.016371	-0.000361	-0.036052	-0.023236	0.040817	-0.004062	-0.024287
173	0.040589	0.009944	0.021513	0.016012	-0.000056	-0.054746	0.016711	-0.021169	-0.061151	-0.025308	-0.002016	-0.000848	0.005485	0.017478
174	0.000401	0.021237	0.005212	0.014967	0.02453	-0.00931	0.009094	0.031411	0.018168	-0.073363	-0.055911	-0.014908	-0.026621	0.012547
175	-0.019124	0.007983	-0.009952	-0.026154	0.002166	0.051644	0.02069	0.075157	0.053709	0.013959	-0.083558	-0.029472	-0.009943	-0.039441
176	-0.001753	0.024108	0.01066	0.027104	0.006409	0.009836	-0.00556	0.00375	0.009584	-0.014183	-0.081052	-0.040975	0.073882	0.008344
177	0.009268	0.026044	-0.00168	-0.041987	-0.035343	0.050198	-0.01341	-0.019373	0.036488	0.022925	0.069034	-0.015158	-0.018156	-0.009492
178	-0.059379	-0.090469	-0.079011	-0.052689	0.022942	0.006439	-0.038132	0.040277	0.025057	0.021057	0.070091	-0.007528	-0.014792	0.012953
179	0.838351	-0.083437	-0.084692	-0.060474	-0.098984	-0.01879	-0.007069	-0.011375	0.027071	0.037938	0.019861	-0.028953	-0.032035	-0.042103
180	-0.081663	0.854137	-0.111673	-0.069413	-0.005101	0.015583	-0.030117	-0.002368	-0.011856	0.018226	0.023213	-0.051636	-0.056329	0.00484
181	-0.072366	-0.110551	0.863023	-0.091619	-0.025227	0.008074	-0.029482	0.001219	0.007559	0.028662	0.021931	-0.0492	-0.044788	0.014777
182	-0.052298	-0.075119	-0.093488	0.78018	-0.080095	0.003212	-0.006492	0.038181	-0.041213	-0.008838	0.03926	-0.013446	-0.02677	-0.044511
183	-0.090399	-0.008806	-0.030191	-0.077376	0.741733	-0.177281	0.038365	-0.050363	-0.012642	-0.000872	-0.009091	-0.065502	0.005743	-0.054054
184	-0.018652	0.044768	0.025413	0.046802	-0.194397	0.493022	0.031064	-0.001762	0.001954	-0.016302	-0.034593	-0.030186	0.014569	-0.031213
185	0.002797	-0.056558	-0.041607	-0.0088	0.003413	-0.013634	0.415969	-0.044791	-0.043636	-0.034055	0.009033	0.037627	0.020621	-0.0342
186	0.009317	-0.03594	-0.020766	0.01109	-0.020694	0.032088	-0.022067	0.522945	-0.069519	-0.023919	-0.003685	0.017538	0.043193	-0.039416
187	0.027272	-0.025905	0.010141	-0.038702	-0.01516	-0.012467	-0.012941	-0.071536	0.709552	-0.156232	-0.080486	0.011427	-0.010939	-0.022485
188	0.015174	-0.002319	0.004688	-0.006634	-0.013329	-0.028071	-0.035329	-0.012095	-0.16391	0.755738	-0.179924	0.000337	-0.018733	0.00571
189	0.024904	0.030353	0.026723	0.013408	-0.032709	-0.032287	0.034347	0.006815	-0.086404	-0.170586	0.603216	-0.038613	0.023882	-0.027441
190	-0.003999	-0.026411	-0.019145	0.001364	-0.030375	-0.022343	0.069328	-0.036703	-0.007799	0.005216	-0.019321	0.692125	-0.171855	0.043115
191	-0.021377	-0.007729	0.002179	0.001369	0.004003	-0.028633	0.000939	0.010309	-0.009467	0.002732	0.066989	-0.101028	0.695128	0.014211
192	-0.033504	0.030088	0.008666	-0.061507	-0.051859	-0.018522	0.032057	-0.029679	0.013873	0.010532	-0.000202	0.007186	-0.036832	0.570831
193	-0.036351	-0.00195	0.022837	-0.076172	-0.023788	0.005203	-0.019378	-0.025022	-0.088483	-0.035023	0.061855	0.055068	-0.0147	-0.122047
194	-0.022389	-0.015384	-0.010305	0.047178	-0.034003	-0.064915	-0.006609	-0.058417	-0.039731	-0.075807	-0.0652	0.018067	0.020034	0.023787
195	-0.009226	-0.035601	-0.021873	-0.014183	-0.010149	0.019634	-0.030764	-0.052127	-0.023209	0.035937	-0.012641	-0.069566	-0.020388	0.001419
196	-0.021594	-0.027313	-0.013624	-0.027568	-0.013617	-0.052953	-0.028081	-0.033886	0.024977	0.011408	-0.036197	-0.05869	-0.048373	0.006338
197	0.005352	0.009059	-0.000396	-0.015402	0.026423	0.040198	0.009102	-0.027897	0.028708	0.011493	0.024163	-0.094799	-0.127417	-0.048984
198	0.016586	0.028177	0.019328	-0.015106	0.013003	-0.023351	-0.008578	0.017368	0.018115	0.009892	-0.005567	0.052	0.031146	-0.038852
199	0.018876	-0.007581	0.00289	0.023364	0.014425	-0.015635	0.026557	-0.049653	-0.019048	0.000464	-0.016982	0.016029	0.003399	0.041978
200	-0.05123	0.002195	-0.014133	0.00432	-0.045426	0.046053	0.022858	-0.031276	-0.054819	-0.013243	-0.009904	0.058507	0.059345	0.006057
201	0.00541	-0.025754	-0.018563	-0.00219	-0.007523	0.024969	-0.037612	0.009891	0.014924	0.018545	-0.001195	-0.045368	-0.000115	0.031401
202	0.005144	0.000983	0.008546	-0.011803	0.030655	0.050212	0.054768	-0.04824	0.002022	0.010586	0.043166	0.005068	-0.002599	-0.044739
203	-0.011822	0.001288	0.014551	-0.002926	-0.040871	0.014423	0.04078	0.080494	-0.009572	-0.025612	-0.040653	-0.021587	-0.022812	0.01255
204	0.002605	0.007772	-0.020503	-0.024258	-0.016936	-0.005901	-0.009256	-0.03848	-0.003857	0.035355	0.045639	-0.05456	0.010239	0.04617
205	0.000327	-0.016998	-0.02069	-0.030449	-0.033057	-0.021939	0.035059	0.00712	0.029861	0.03736	0.036988	-0.084214	-0.02211	0.057577

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
206	0.035087	0.032215	0.035435	0.04713	0.031769	-0.084838	-0.01802	-0.035046	0.022831	-0.012074	0.004632	-0.007905	0.027309	-0.045733
207	0.001182	-0.018635	-0.029833	-0.020899	-0.022003	0.021991	-0.039118	-0.085591	-0.010873	-0.025471	-0.056083	0.001692	0.018329	0.01936
208	0.002482	-0.013975	-0.002966	0.035338	0.005702	-0.019936	-0.01127	0.00583	0.004444	0.010558	-0.00014	-0.031315	-0.006974	0.045883
209	0.000693	0.010659	0.001579	0.008936	0.009404	-0.04234	-0.03209	0.012109	0.006979	0.00748	0.01864	0.064863	0.029433	-0.003057
210	0.010406	-0.032414	-0.026806	-0.019375	0.000957	-0.025869	-0.008707	-0.004213	0.001283	0.036235	0.035618	-0.002773	0.037694	0.000834
211	-0.01088	0.003448	0.024047	0.069513	0.001482	-0.008462	-0.043639	-0.001778	0.011026	0.015193	0.05362	-0.002423	-0.026846	0.017367
212	0.011166	0.045133	0.016558	-0.004311	-0.020043	-0.006831	-0.038355	-0.012761	0.018647	0.034079	0.052323	-0.019692	0.019199	0.040349
213	-0.00455	-0.014438	0.004597	-0.057484	-0.015367	-0.038548	-0.039287	-0.003111	0.018236	0.029359	-0.015635	-0.001027	-0.006868	0.024343
214	-0.111647	-0.053584	-0.036052	0.000946	-0.067732	-0.047409	0.015973	-0.047469	0.055716	0.025242	-0.048	-0.014067	-0.010085	-0.045161
215	-0.055459	-0.041558	-0.057112	-0.050721	-0.028236	0.05262	-0.026668	-0.076269	-0.00537	0.020392	0.017565	0.01142	-0.018278	-0.004181
216	0.024201	0.004458	-0.001633	-0.000107	-0.010109	-0.001293	-0.040579	-0.046026	-0.022677	0.000153	0.000419	-0.005959	-0.017774	0.04009
217	0.003173	0.020855	0.032341	-0.00057	-0.027513	0.04395	-0.025352	-0.040548	-0.013952	-0.010211	0.012318	-0.014423	-0.017899	0.025714
218	0.035878	-0.003471	-0.00033	-0.000868	0.03821	0.035351	0.022559	-0.010596	0.026141	0.022903	-0.002625	0.021473	-0.003372	-0.001688
219	0.030278	0.023008	0.017645	0.041084	0.008413	-0.01044	-0.005079	-0.014114	0.007157	0.01967	-0.011189	0.019251	0.013819	0.045448
220	-0.007237	-0.000873	0.006235	-0.025128	0.012077	0.02845	0.039433	-0.041345	-0.031308	0.02449	0.038874	0.02726	0.005134	0.036835
221	0.002345	0.012219	0.022444	0.034086	-0.033625	-0.027674	-0.010579	-0.013319	0.014995	0.010084	-0.000906	-0.008378	0.013261	0.009578
222	0.011412	0.023706	0.013788	0.029979	-0.015514	-0.012391	0.035287	0.019991	0.02517	-0.025025	-0.0196	-0.008328	0.004784	-0.019949
223	0.015872	0.016149	0.00415	-0.0106	-0.007203	0.027477	0.049382	0.039178	0.000714	-0.003086	0.009689	-0.001856	0.058228	0.049642
224	0.020542	-0.015027	-0.019872	0.024062	0.045271	-0.004661	-0.002795	0.001019	0.025746	0.021167	0.006419	-0.019564	-0.014983	-0.049139
225	0.036726	0.017999	0.006219	0.033059	0.02315	-0.044272	0.015621	-0.02493	0.020866	0.020638	0.021387	0.003028	-0.009021	-0.059064
226	0.016706	0.027348	0.013697	-0.002157	-0.021007	-0.017218	-0.006468	0.00877	-0.005852	-0.013709	-0.029344	-0.007808	0.032894	-0.010219
227	-0.028603	0.000429	0.029664	0.031849	-0.033398	-0.00313	0.027883	-0.022378	0.025124	0.0513	0.003428	0.002262	0.047474	-0.012187
228	0.008724	-0.000987	0.000549	-0.0064	0.043053	0.008994	0.03886	0.058702	0.023893	0.032614	0.00095	0.010342	0.010658	-0.062846
229	0.008361	0.005278	-0.014788	-0.006446	0.015718	-0.038966	0.029375	-0.034492	-0.031329	-0.009554	0.056903	0.060536	0.008415	0.037305
230	-0.020423	-0.015008	-0.017549	0.00061	0.014564	0.041489	0.00579	-0.043515	0.006946	-0.006766	0.030759	0.013666	0.000087	-0.009598
231	0.01345	0.030546	0.006078	-0.051571	-0.049502	-0.073601	0.024424	-0.009201	-0.055456	-0.018051	-0.009006	0.011164	-0.006793	0.011065
232	-0.016519	0.001692	0.024125	0.026163	-0.012092	-0.036455	0.003052	-0.017729	0.081197	0.008269	0.023765	0.013965	-0.031914	0.068807
233	-0.015782	0.018456	0.032328	0.006346	-0.030535	-0.01505	-0.057781	0.004651	0.002457	0.000016	0.021669	0.054346	0.006892	-0.026896
234	0.009487	0.005573	0.001266	0.001285	0.026136	0.026365	0.008718	0.01987	0.002749	-0.023963	-0.004206	-0.011581	0.046492	0.009535
235	-0.029292	-0.012366	-0.000751	0.033782	0.020553	0.023262	0.013375	-0.005433	-0.007294	-0.012077	-0.012343	0.007904	-0.00461	-0.007836
236	0.006829	0.009349	0.016431	-0.015716	-0.007138	0.01453	0.009586	-0.009702	0.001822	-0.004459	-0.004083	-0.027094	0.000136	0.040898
237	-0.014515	0.001902	-0.008404	0.00592	0.019443	0.000401	0.017886	-0.049719	-0.013406	-0.000566	-0.039695	0.015616	0.040263	-0.044224
238	-0.009825	0.016467	-0.001138	0.006687	0.007061	0.003701	-0.000957	0.001644	0.010012	0.006395	0.022046	0.005558	-0.019049	-0.011801
239	-0.01107	0.013065	0.004726	-0.011004	-0.002483	0.005125	-0.031666	0.020873	0.022164	0.019949	0.043246	0.016396	-0.037978	-0.028899
240	-0.016456	-0.021549	-0.004608	0.000674	0.015679	0.034915	0.003699	0.021055	-0.039998	-0.022275	-0.024855	-0.033924	0.0008	-0.006946
241	0.010828	0.013525	0.014075	0.000317	0.000769	0.036685	-0.005949	-0.013336	0.006222	-0.020042	-0.032817	0.002622	0.009203	0.011492
242	0.01858	-0.004447	0.004164	-0.049513	-0.035125	-0.003317	-0.035686	0.018488	-0.035359	-0.01347	-0.004719	-0.047791	-0.052482	0.025367
243	0.013827	-0.011632	-0.010454	0.008633	-0.012447	-0.026698	-0.031695	-0.048251	-0.028319	-0.002622	0.008396	-0.016302	0.000801	0.022493
244	-0.005104	-0.006216	0.013373	0.001868	-0.021443	-0.034579	-0.011533	-0.023165	-0.030412	-0.011799	0.019126	-0.01166	-0.026728	-0.014153
245	-0.013723	0.012619	-0.011467	0.031583	-0.00552	-0.003553	-0.017081	-0.007446	0.083343	-0.030928	-0.03864	0.043579	-0.011671	-0.017558
246	-0.000885	-0.016784	-0.014749	-0.033033	0.01246	0.000523	0.002239	0.036723	0.020518	0.039258	0.027975	0.023164	-0.012351	-0.00312

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
247	-0.0172	-0.010747	-0.008284	-0.012864	-0.039923	-0.00211	-0.006767	0.000527	0.028292	-0.003848	0.004672	-0.071988	-0.010655	0.024647
248	-0.008921	0.00842	-0.013709	-0.001794	-0.034551	-0.005616	-0.031131	-0.004151	0.011364	-0.014725	-0.003667	-0.023358	0.01025	0.010929
249	0.026125	0.019828	0.010038	0.02016	0.029705	0.031311	0.001134	-0.030695	0.026293	-0.009269	0.010865	0.007298	0.042431	-0.027178
250	0.028277	-0.020412	0.00863	-0.028065	0.017921	0.012607	0.029662	-0.007917	-0.043456	0.016013	0.045275	0.002316	-0.0133	0.050398
251	-0.003322	-0.015752	0.001204	0.002314	0.007702	0.009397	0.030064	-0.004888	-0.019988	0.001577	-0.004971	0.002133	0.0093	-0.001327
252	-0.020152	0.010665	-0.012283	0.010517	-0.02368	-0.000376	-0.11488	-0.006015	0.040593	-0.006111	0.004139	-0.014071	0.005849	-0.031811
253	-0.024024	-0.017322	-0.0312	-0.00143	-0.003703	-0.040302	-0.010042	0.047852	0.014165	0.040235	0.023175	0.031073	0.018531	0.018261
254	0.036146	0.03907	0.021358	0.02323	0.03016	-0.013997	-0.029846	-0.002581	0.014555	0.014216	0.044943	-0.038035	-0.02574	0.008555
255	0.020903	-0.006185	0.006769	-0.013667	0.025066	-0.000081	-0.008981	0.028875	-0.04582	-0.0154	0.009965	-0.006817	-0.0123	0.032776
256	0.010265	-0.012017	-0.016196	0.000219	0.050253	0.008428	-0.037697	0.008917	0.043289	-0.065816	-0.009389	0.025784	0.011779	0.029802
257	-0.015789	-0.00338	0.005667	0.018145	0.004988	0.007638	-0.037015	0.013491	0.02941	0.021774	0.013367	-0.004361	-0.012331	-0.007287
258	-0.001016	0.015368	0.009939	0.016735	0.014128	0.027081	0.010615	0.009076	0.014605	-0.006535	-0.019152	-0.049957	-0.047404	-0.010305
259	0.024357	-0.003061	-0.010366	-0.019696	0.010157	0.035421	0.029605	0.007754	-0.038194	-0.027256	-0.035057	0.000384	0.011964	-0.033124
260	-0.003713	0.005795	-0.003307	0.008718	-0.015402	-0.040118	-0.007366	0.000137	-0.014353	0.017028	0.016588	0.017194	0.003975	-0.00266
261	0.0002	0.018283	0.002193	-0.007684	-0.024075	-0.023805	0.007146	0.022489	0.006917	0.001136	-0.023925	-0.018816	0.042117	-0.004346
262	-0.008037	0.013782	0.001782	0.001359	0.007932	0.018441	-0.011708	0.026019	0.036374	0.032086	0.035262	-0.016	0.00677	0.032051
263	0.004901	0.021068	-0.012953	0.012888	0.025616	0.010154	-0.022463	0.022283	0.019937	0.014852	0.016124	0.051402	0.026504	0.019437
264	0.001921	-0.016009	-0.017951	0.003865	0.010411	-0.014048	0.00392	0.007906	-0.028582	-0.035296	-0.042184	-0.011162	-0.017051	-0.058825
265	-0.019312	-0.014198	0.000861	-0.007304	0.024079	0.029356	0.008073	0.021398	-0.01745	-0.013636	-0.03234	-0.043696	-0.057399	-0.014881
266	0.00295	0.016704	0.006263	-0.006554	-0.010108	-0.038693	-0.019151	-0.020937	0.010652	-0.024588	-0.042164	0.022853	0.030266	0.037093
267	0.007256	-0.015256	-0.020475	0.009369	0.017173	-0.01242	0.057044	-0.023759	0.032471	0.004276	0.023579	-0.032937	-0.025507	0.084525
268	0.010984	0.011723	0.012514	0.016908	-0.013675	-0.031633	-0.000758	0.011879	-0.016051	-0.016243	-0.04001	-0.018638	0.002067	0.003882
269	0.010644	0.009578	0.002989	0.002805	-0.036315	-0.028813	-0.020503	0.001553	-0.017787	-0.018371	-0.00659	0.006648	0.011535	0.052263
270	0.021935	0.002783	0.014306	-0.002058	-0.00222	-0.004132	-0.020142	0.070466	-0.003402	-0.012188	-0.0058	0.005039	0.001547	0.020534
271	0.00424	0.004762	-0.007149	-0.034889	-0.025675	-0.008179	0.006624	-0.059496	0.034895	-0.010798	0.010757	-0.022016	0.002131	-0.017611
272	0.007349	0.010303	-0.000609	0.014968	0.02351	-0.003903	0.045715	0.014812	-0.008344	0.033764	-0.015026	0.015985	0.018177	-0.024782
273	-0.007713	0.005396	0.006199	0.015192	0.001237	0.008836	0.026597	-0.009697	-0.010246	0.000349	-0.029311	-0.04137	0.007593	-0.051078
274	-0.009809	-0.004158	0.000839	0.002362	0.00845	0.022749	0.020465	-0.002508	-0.016836	0.00088	-0.020166	-0.0353	0.003599	-0.051276
275	-0.017162	-0.004161	0.007353	-0.006108	-0.001935	0.003593	0.028497	0.050996	-0.007216	-0.023371	-0.000085	0.01796	0.025553	0.068222
276	0.005156	0.00269	-0.00118	0.027415	0.009797	-0.001698	-0.009372	-0.026232	0.024934	0.020147	0.002035	-0.01299	0.010205	0.025934
277	-0.003934	-0.018071	-0.014044	-0.035609	-0.014109	0.005338	0.009421	0.008405	-0.018712	0.000592	0.011351	0.004726	0.008403	-0.026323
278	-0.019793	-0.012829	-0.030322	-0.083594	-0.044827	0.016248	0.004951	0.049763	-0.029493	-0.012802	-0.012948	-0.001536	0.022801	-0.000109
279	-0.014969	-0.004586	-0.012475	-0.003872	0.006748	0.004636	0.000847	0.043135	0.013054	-0.00836	0.028159	0.029196	-0.017159	0.008655
280	0.016959	0.019466	0.033305	0.020035	-0.009177	0.010814	0.046683	-0.058563	0.003622	0.001746	-0.033906	0.030967	0.035231	-0.022078
281	0.023781	0.009678	0.003125	-0.000271	-0.019381	-0.03171	0.051378	0.028802	0.018232	0.008912	-0.01036	0.041351	0.003336	0.016249
282	0.000329	0.004244	-0.019085	-0.052442	-0.052631	0.004481	0.03403	0.049056	-0.003028	0.005024	0.019627	-0.012621	-0.014312	0.046527
283	-0.031948	-0.032673	-0.014261	-0.00062	-0.028832	-0.008456	0.008566	-0.019027	0.030618	0.020846	0.008569	-0.038859	0.008265	0.034122
284	-0.009285	-0.020248	0.007997	0.026973	0.015872	-0.008396	-0.039197	-0.00008	0.026575	0.017168	0.018055	0.016525	-0.012113	0.002925
285	0.000979	-0.041532	-0.018564	-0.004289	0.027666	0.014001	-0.023204	0.024198	0.007509	0.017045	0.017009	-0.019471	-0.017892	0.002369
286	-0.007918	-0.006186	-0.009624	-0.012956	0.004663	0.03014	-0.001011	0.009061	-0.000815	-0.004799	0.007216	0.043052	-0.019098	-0.023717
287	0.007014	-0.004276	0.001974	0.00864	0.034141	0.039467	0.006349	0.026905	0.014189	0.005979	-0.011818	0.03448	0.023914	0.019033

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
288	0.01351	0.018106	0.018194	0.029322	0.04106	-0.021933	0.018229	-0.004229	-0.040143	-0.006427	-0.026155	-0.006721	0.000694	0.039877
289	0.029568	0.009061	0.021075	-0.020912	0.041477	0.040662	0.027328	0.054179	0.015583	0.011686	0.033976	-0.022371	-0.012022	0.055554
290	0.004415	0.011694	0.018838	0.016593	-0.001836	-0.01781	0.002177	0.017541	0.018303	-0.003943	0.018991	0.004904	0.020907	-0.006629
291	0.00834	0.01485	0.017254	0.012302	0.002861	-0.008238	-0.014746	0.011864	0.023388	-0.003638	0.028375	0.012047	0.015404	-0.002732
292	0.01791	-0.013627	0.017072	0.025942	0.036707	-0.00833	-0.027285	0.029462	0.018355	-0.010796	0.038212	0.027539	-0.005654	0.001321
293	-0.007374	-0.00719	-0.005935	-0.008588	0.007775	0.007991	0.039605	-0.002511	0.017724	0.02791	0.036556	0.009165	-0.001647	0.03666
294	0.045017	0.027085	0.029277	0.022626	0.044455	0.005307	-0.044828	-0.017311	-0.02199	-0.015685	-0.004613	0.02883	0.000129	-0.005024
295	-0.000185	-0.004394	-0.010895	0.009979	0.035766	0.054437	-0.031209	-0.027781	0.021848	0.03009	0.026573	-0.008274	-0.006111	-0.038007
296	0.005725	-0.035793	-0.04355	-0.024206	0.024026	0.044352	-0.019528	-0.011496	-0.013244	0.005601	0.012578	-0.033491	0.01151	0.017613
297	-0.006456	-0.022263	-0.014812	0.028203	0.031631	0.034698	-0.046465	-0.017163	0.038115	0.008107	0.005829	-0.016757	-0.010929	0.001413
298	-0.017529	0.016183	-0.001329	-0.022262	-0.057698	-0.020943	-0.029013	-0.028516	0.030144	-0.004153	-0.040008	-0.003259	-0.029865	0.020239
299	0.000486	0.043868	0.024265	-0.001681	-0.005234	-0.016228	0.053108	-0.005084	0.008151	-0.01889	-0.004717	-0.034459	-0.05327	-0.004489
300	0.023423	-0.004032	0.014873	0.048574	0.03261	-0.031955	0.016225	0.027064	0.039739	-0.024323	-0.051994	-0.036173	-0.042791	0.011799
301	0.002232	0.013964	0.003411	0.013281	-0.006791	-0.013849	-0.032906	-0.020868	0.02037	0.042521	0.017144	0.010763	0.020123	0.013732
302	0.019425	0.021874	0.017363	-0.009782	0.012236	0.020929	0.012682	0.034077	-0.0034	0.034628	0.007882	0.028984	0.044956	0.022024
303	-0.014725	0.024801	0.013438	-0.019865	-0.03608	0.037684	-0.000122	-0.017923	-0.03905	-0.019434	-0.023048	-0.011608	0.008434	0.01793
304	-0.018996	0.021815	0.010196	0.003695	-0.000484	0.013619	-0.020246	0.016584	-0.012656	-0.016569	0.009777	0.009199	0.000179	0.007563
305	0.02746	0.014699	-0.007668	-0.018314	0.003796	0.013874	-0.088187	0.00827	0.012205	0.043214	0.009582	0.054632	0.031396	0.030928
306	-0.011311	0.006993	0.019177	0.01206	-0.037834	-0.019811	0.029103	0.017726	0.049904	0.01976	0.020386	0.00132	0.01148	0.035624
307	-0.012007	-0.013135	-0.009009	-0.006777	0.020025	0.041404	-0.055309	-0.013188	-0.030613	-0.021691	-0.012101	-0.049499	-0.032799	-0.045592
308	0.003655	0.010743	0.007215	0.013327	0.002496	-0.038514	0.065495	-0.001386	-0.005661	-0.00365	0.004441	0.02262	-0.004218	-0.020964
309	0.008201	0.006455	0.008685	0.013561	0.015763	0.008247	0.034979	0.001567	0.017798	-0.00759	0.00343	0.01715	0.032353	0.03029
310	-0.033372	-0.015894	-0.005229	-0.037657	-0.038948	-0.030808	-0.008976	0.070236	-0.055059	-0.038743	0.005063	0.057131	0.032444	-0.008286
311	-0.024094	0.005051	0.003948	0.023224	-0.037269	-0.027653	-0.000525	-0.004046	0.022817	-0.016444	-0.008932	-0.038071	0.028139	0.042292
312	-0.019659	-0.001671	-0.007353	0.002045	-0.021062	-0.024134	-0.014861	0.023034	-0.039925	-0.046349	-0.055835	-0.037313	-0.039112	0.021399
313	-0.000126	0.010079	-0.018903	0.024826	-0.009245	-0.009534	-0.011442	-0.003552	0.027289	-0.002743	0.039682	0.021909	0.012403	-0.017503
314	0.007833	-0.013709	-0.010321	0.006133	0.021879	0.025733	0.025509	-0.040556	0.020024	-0.000297	0.024598	0.028002	0.023638	-0.001409
315	0.004986	0.003631	0.002157	-0.008219	0.006136	0.031502	0.016269	-0.026821	0.025273	0.016387	0.008282	-0.004995	0.02073	-0.007508
316	-0.010523	0.019171	-0.003236	0.013965	0.011188	0.001961	0.004071	-0.008178	-0.021485	-0.003456	0.015488	-0.028955	-0.067735	0.056166
317	0.001534	-0.020358	-0.019674	-0.008194	0.011005	0.021121	-0.02755	0.003417	0.020018	0.014645	0.012939	-0.000647	-0.025334	0.046045
318	-0.001825	-0.001737	-0.003937	-0.014115	-0.024782	-0.035757	-0.045141	0.045029	0.015413	-0.0405	-0.045348	-0.008655	-0.010879	-0.025793
319	-0.001642	-0.022202	-0.022713	-0.013902	0.006455	0.006622	-0.031326	0.002145	-0.008447	0.011355	-0.022422	0.003799	0.001409	-0.030522
320	-0.013372	-0.023761	-0.037873	-0.02287	0.035559	0.013751	-0.062804	-0.013038	0.007106	-0.017433	0.011295	0.010674	0.009767	0.049552
321	0.004496	0.03221	0.051195	0.038594	-0.027142	-0.093841	0.041908	-0.010924	0.013748	0.015475	0.037363	0.015687	0.014323	-0.087668
322	0.012074	0.022406	0.016475	0.013816	0.012532	-0.011088	-0.00615	0.017649	0.043678	0.003021	-0.007162	0.02063	0.006888	0.037992
323	-0.001254	0.027604	-0.010976	-0.017789	-0.016892	0.024313	-0.041506	-0.011096	0.03236	-0.009994	0.025219	0.012864	0.022874	0.009623
324	-0.020235	-0.00703	0.00158	0.002528	-0.009059	0.036746	0.075716	0.039515	0.006335	0.01584	-0.047556	-0.00701	-0.034549	0.025395
325	-0.021345	-0.013112	-0.010793	-0.022914	-0.02233	-0.022552	-0.002253	-0.037679	0.021685	0.014356	-0.040497	-0.000537	0.019485	-0.016352
326	-0.021015	-0.018894	-0.014512	-0.010639	-0.025929	-0.005924	0.088927	-0.037688	0.006549	0.001167	-0.071401	-0.044645	-0.040463	0.004007
327	0.016675	0.001394	-0.00888	-0.008298	0.023545	-0.000821	0.042247	-0.030975	0.020176	0.008388	0.032499	-0.030533	-0.060704	-0.033876
328	0.009116	-0.002538	-0.010595	-0.004699	0.015721	-0.011398	0.009585	-0.006208	-0.008299	-0.003777	0.024987	-0.014935	-0.010354	0.00552

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
329	0.005154	0.009873	0.008438	0.005526	0.019955	-0.004888	0.00462	0.011755	0.010693	0.014595	-0.002941	0.032197	-0.008587	-0.063532
330	0.011564	0.022296	0.005912	-0.011522	-0.010032	0.037294	-0.037639	0.02266	-0.024779	0.009947	-0.032857	0.003443	-0.018764	0.012781
331	-0.000291	0.004463	0.0141101	-0.026768	-0.001931	0.010577	0.014504	-0.012914	0.003778	0.00186	-0.016285	-0.015675	-0.014764	0.012499
332	-0.064839	-0.014401	-0.00863	-0.027879	-0.024078	-0.006141	-0.045135	0.029204	0.043572	0.002052	-0.005774	-0.036969	-0.012599	-0.005798
333	0.003479	-0.024118	-0.00141	-0.034096	-0.011032	-0.06469	-0.067038	0.028632	0.022297	0.022601	0.015219	-0.007855	-0.051925	-0.025222
334	-0.01058	0.014544	0.029176	-0.00275	0.019287	0.019175	-0.041206	0.000338	0.000486	-0.014614	-0.058459	0.01215	0.003971	-0.032217
335	-0.000396	0.020207	0.001493	0.00595	-0.009115	-0.030718	-0.008661	-0.013531	-0.006143	-0.009456	-0.032793	0.074572	0.015056	0.008066
336	0.004295	-0.000589	0.012614	-0.000857	0.003844	-0.030101	-0.082123	-0.082614	-0.021572	-0.005789	0.065437	-0.029251	-0.068944	0.021191
337	-0.001087	0.009362	0.024858	0.032692	-0.02626	-0.009101	-0.005563	0.021434	-0.021	0.012907	0.021115	-0.05083	-0.031711	0.013544
338	-0.002903	0.001205	-0.016379	-0.020522	-0.025017	0.003009	0.009901	-0.01963	-0.004973	0.037519	0.042814	-0.019507	0.000815	-0.001925
339	-0.014473	-0.00139	0.008973	-0.010702	0.004716	0.034896	0.088509	-0.031747	-0.024185	0.018447	0.044969	-0.013761	0.026926	0.011445
340	-0.02553	-0.003587	0.000297	0.01478	0.013222	0.055089	-0.025552	0.013969	0.00718	-0.001804	0.049075	0.036884	-0.020937	0.009593

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
1	-0.048719	-0.038534	-0.012	0.048233	-0.023775	0.049269	0.132338	-0.0291	0.0081	-0.019013	0.051005	-0.174309	-0.030461	0.028787
2	0.036173	0.053924	-0.018474	0.089826	0.05065	0.05407	0.019313	0.025177	-0.107738	-0.025641	0.055027	0.024849	-0.136226	0.042591
3	0.078722	0.039827	0.04393	0.026012	0.020118	-0.064566	0.009392	-0.050719	-0.015752	0.006476	-0.00707	0.056333	0.164376	-0.020317
4	0.038428	-0.030966	-0.025662	-0.03292	-0.048206	-0.012198	0.035786	0.044372	-0.060388	0.060092	-0.039532	-0.036804	0.030292	0.091125
5	0.044938	0.059594	0.045074	-0.010978	0.033746	0.013978	-0.009161	-0.033499	0.024372	-0.079835	0.013985	-0.053156	0.012911	-0.009164
6	-0.097339	-0.00841	0.01735	0.005432	-0.05716	0.024196	0.047533	-0.062155	0.078274	0.054799	-0.006996	-0.050331	-0.123676	-0.018324
7	0.054962	-0.083372	-0.075402	-0.059322	-0.018382	-0.057141	0.00241	-0.000167	-0.036655	-0.051966	-0.103892	-0.025121	0.028919	-0.050325
8	-0.049289	0.019866	0.02944	-0.018243	-0.050287	-0.025309	0.007849	0.000844	0.034483	0.023419	0.028491	-0.000143	0.025238	-0.008749
9	0.125479	-0.022451	-0.048166	-0.009735	-0.045912	0.097297	-0.092414	0.010085	-0.040888	0.004582	0.033212	0.036937	0.032198	0.02847
10	-0.036087	-0.062608	-0.011251	-0.091225	-0.015608	0.059961	0.132596	0.054099	0.042155	-0.037334	0.020202	0.001351	-0.022179	0.139631
11	-0.034064	-0.009758	-0.041521	0.040675	-0.016836	-0.032718	-0.006619	-0.021965	0.008911	0.004526	-0.03522	0.015537	0.00764	-0.015405
12	0.040185	-0.033698	0.003061	0.000108	-0.012758	-0.031514	0.053489	0.016542	-0.044924	0.002938	0.059556	-0.000227	-0.078134	0.047081
13	0.021558	0.018023	-0.020197	0.022448	-0.062693	0.034586	-0.025665	0.118323	0.040304	-0.06273	0.035158	-0.034592	0.065739	-0.009023
14	-0.00941	-0.085727	-0.00824	0.009881	-0.012373	0.035682	-0.049529	0.022256	-0.134877	0.039578	0.041217	0.001108	0.012833	-0.025449
15	0.039185	0.066964	0.049427	0.005333	0.086521	0.019071	-0.034943	0.095607	0.044443	0.129044	0.100834	-0.001594	-0.019346	0.069281
16	0.021709	-0.017727	0.007173	-0.025407	0.038791	-0.017883	0.02159	-0.031644	0.040363	0.010222	0.047436	-0.01621	-0.018953	-0.03165
17	0.035467	0.096461	-0.104223	-0.021634	-0.034408	0.029594	0.047297	-0.03376	0.077511	0.038292	0.047659	-0.053212	-0.004355	-0.023312
18	0.017444	-0.039621	0.004837	0.031762	0.031095	-0.01537	0.070524	0.042873	0.015286	0.072694	0.001906	-0.084399	0.001097	-0.075079
19	0.027908	-0.034334	-0.005358	-0.008323	-0.018866	-0.02891	-0.044154	-0.010714	0.056139	-0.046408	-0.113208	0.162769	-0.07014	-0.1337
20	-0.073568	-0.140474	-0.016072	-0.016904	-0.038434	-0.032317	-0.085082	0.021456	0.012457	0.023687	-0.015366	0.034658	-0.236873	-0.039217
21	-0.036003	-0.017187	0.021312	0.018239	0.026288	-0.02826	-0.05252	0.009083	-0.018278	-0.002806	0.026808	-0.12926	0.081102	0.03236
22	0.013171	0.00081	-0.079427	0.017586	0.028878	-0.114586	0.071157	0.013422	0.064972	-0.084452	-0.021411	-0.107389	-0.043366	-0.012754
23	-0.010077	0.02671	-0.010279	0.037257	0.031317	0.057428	-0.136302	-0.062644	-0.055177	0.03908	0.085226	0.011123	0.134877	0.012722
24	0.052574	-0.015731	0.052637	0.014037	-0.05882	0.014312	-0.04711	-0.105124	0.057711	-0.005574	0.027915	0.022578	0.034269	0.082188
25	-0.007996	0.02792	0.020865	0.021661	-0.009007	0.032812	-0.029666	-0.017355	-0.055913	0.098737	0.044442	0.084724	0.004787	0.037711
26	-0.038762	-0.00889	0.167466	0.108678	0.099706	0.034605	-0.116683	0.031821	-0.000119	0.107252	0.040008	-0.113755	0.096744	0.154665
27	-0.043767	0.074512	0.096341	0.058546	0.045268	0.183493	0.091786	-0.055228	-0.132502	0.123104	0.03448	-0.018229	0.044498	-0.137191
28	-0.004783	0.035967	0.004284	0.078068	0.035557	0.050221	0.12125	-0.044191	-0.066237	0.010145	-0.114405	0.020758	-0.118355	-0.117113
29	0.01603	-0.063286	0.030882	-0.013151	0.078227	-0.066756	-0.071877	-0.126658	0.107307	-0.079266	0.042037	0.024998	-0.013238	-0.016319
30	0.020725	-0.098013	0.061117	-0.045057	-0.089204	0.075051	-0.160318	0.159455	0.087896	0.013691	-0.134795	0.03923	-0.010433	0.020566
31	0.019618	-0.044133	0.003305	-0.044474	-0.013782	0.001929	-0.045143	0.098807	-0.056582	-0.008043	0.061358	0.007486	0.101445	0.011141
32	-0.010802	0.06308	0.035837	-0.026118	0.022295	-0.039284	0.093225	-0.077762	-0.055153	-0.050957	0.031467	-0.026914	0.01998	-0.101013
33	-0.110522	0.048339	-0.036577	-0.065412	-0.030766	-0.016916	-0.07266	0.073587	-0.093323	-0.031544	0.000071	-0.043787	-0.057233	0.016272
34	-0.074762	0.042727	0.012728	0.045467	-0.056081	-0.100595	0.26947	0.048115	-0.107559	-0.115529	0.084947	-0.021485	0.071278	0.06395
35	-0.028064	-0.018558	0.025962	-0.001442	-0.05646	-0.001323	0.021496	-0.041481	0.044238	0.056923	-0.001684	0.001613	0.068615	0.02453
36	0.024672	0.028447	-0.034645	-0.048461	0.067165	0.025866	0.10484	0.023965	-0.084035	0.006062	-0.070602	0.041852	-0.036501	-0.096662
37	0.008503	0.069297	-0.000924	0.035563	-0.031939	-0.058925	0.046321	-0.039559	-0.109088	-0.01799	0.040944	0.169696	-0.162125	-0.052782
38	0.000048	0.028574	0.018409	0.000598	-0.076007	-0.010902	-0.024748	0.074626	-0.017532	0.005442	0.032658	0.033745	0.032486	-0.009465
39	-0.063354	0.002989	-0.015749	-0.033916	-0.032878	0.037982	0.035329	-0.094553	-0.034662	-0.094779	-0.059151	0.032576	0.008509	-0.126155
40	0.071148	0.047783	0.10246	0.039512	0.019081	0.074823	-0.091943	0.006813	-0.027404	-0.042944	-0.042434	0.026807	0.051459	-0.045796
41	-0.024678	0.013808	0.008151	-0.065517	-0.004346	0.087082	-0.071125	0.049311	0.038857	0.053364	-0.02458	0.001979	0.077711	-0.057126

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
42	0.031501	0.063204	-0.019078	-0.009744	0.025303	0.060974	-0.085095	0.020991	0.097087	0.075852	-0.038087	0.106729	-0.041788	0.152814
43	0.053709	-0.018427	-0.142081	-0.104262	0.041727	-0.088079	0.031289	0.028081	-0.007964	-0.081664	0.054342	-0.010798	0.037524	0.033304
44	0.013975	-0.039336	-0.018923	0.016189	-0.014127	0.074698	-0.072286	0.046166	-0.151137	-0.039486	0.161211	-0.037692	-0.080023	0.043308
45	-0.036991	0.000698	0.023576	0.064659	0.021852	-0.049424	0.023233	-0.078222	-0.000228	0.018678	-0.241163	0.003246	-0.131519	0.039941
46	0.011911	0.031983	0.079413	0.02654	0.049623	-0.036572	0.037233	-0.063957	0.047366	-0.04002	0.03223	0.075736	0.066603	0.014189
47	0.037194	-0.095188	0.00305	0.015587	0.025079	-0.068803	0.052897	0.09576	0.020768	-0.015452	0.017036	-0.061034	-0.012004	0.019696
48	0.040166	-0.001027	0.044113	0.060614	0.047164	0.022807	-0.011669	0.004006	-0.027695	0.00067	0.020621	0.058814	-0.063069	-0.110283
49	0.040866	0.038778	-0.083125	-0.056181	-0.012472	-0.03585	0.039024	-0.122363	0.105008	-0.013876	-0.03522	-0.000437	-0.013735	-0.042479
50	0.108675	0.005545	-0.048844	-0.057769	0.06466	-0.002434	-0.104522	-0.019977	0.065535	-0.047103	0.047642	-0.035262	-0.08631	0.023675
51	-0.146058	-0.013479	-0.095222	0.036706	-0.034338	-0.077366	-0.024599	0.010012	0.121686	-0.027691	0.09801	0.0131	-0.041546	0.072425
52	0.038318	0.125393	0.071014	0.050889	-0.003381	-0.009441	0.013308	0.039789	-0.093878	-0.03428	-0.098896	-0.044233	0.162224	0.014561
53	0.080894	0.060023	-0.00311	0.043401	-0.003415	0.162077	0.002787	0.025165	0.027831	0.052027	-0.020626	0.08643	0.043303	0.076843
54	0.04126	0.091063	-0.071896	-0.122665	-0.069837	0.037496	-0.031475	-0.048153	-0.055348	-0.050798	0.030598	-0.059131	-0.115924	-0.02246
55	0.073506	-0.069046	-0.032691	-0.010542	0.085591	0.020518	-0.074242	-0.170167	0.035204	-0.0745	-0.057722	-0.031553	0.071361	0.071612
56	-0.000547	-0.017128	-0.014273	0.083934	0.137874	0.040415	0.02502	0.010847	-0.038362	0.041477	0.104564	-0.133546	-0.07034	-0.016472
57	-0.017728	0.037244	-0.040052	-0.04543	-0.012612	0.057633	0.043757	0.079895	-0.074109	-0.036218	-0.022804	-0.115098	-0.100066	-0.049415
58	0.014999	0.034806	0.012443	0.007491	-0.064473	-0.039241	0.021871	-0.068342	-0.011478	-0.072323	0.145515	-0.008047	-0.027058	0.077946
59	0.000256	0.057839	0.015537	0.04983	0.026893	-0.066854	-0.083502	-0.02992	0.041669	-0.049039	0.022058	-0.011002	0.040685	-0.104695
60	-0.087955	0.085736	-0.026435	0.015201	0.014188	-0.085596	-0.226212	-0.051844	0.014496	-0.107326	-0.036999	-0.019581	0.056338	-0.070636
61	-0.063327	-0.086233	-0.026228	-0.051523	-0.072607	0.043418	0.036216	0.026919	0.048015	0.063054	0.040033	0.162421	0.018758	0.084551
62	0.029303	0.068507	0.015708	0.001003	-0.016243	-0.014533	0.033063	0.085162	-0.094815	0.037653	0.024844	-0.120081	-0.029245	-0.026061
63	0.005863	-0.031789	0.034902	0.080492	0.054778	-0.102784	-0.008964	0.053701	0.068557	-0.059593	0.003519	0.047089	0.100509	0.060929
64	0.033261	-0.004925	0.002971	0.021664	0.034069	0.019319	0.010558	-0.002253	-0.019712	0.033212	-0.029015	0.005626	0.010626	-0.01019
65	0.247851	0.040644	0.042411	0.006454	-0.01269	-0.065595	0.030659	-0.095671	0.014352	0.010078	-0.164021	0.152951	0.071673	0.123143
66	-0.049053	0.005809	-0.054676	-0.051801	0.019473	-0.032925	0.063659	-0.036914	0.108665	0.105998	-0.039154	-0.0633	-0.049385	-0.00184
67	0.040223	-0.00285	0.048991	-0.094146	-0.086445	0.046007	0.04078	-0.059576	0.092574	-0.017346	-0.00117	-0.085396	0.027288	0.034791
68	-0.038238	-0.038474	-0.031837	-0.008195	0.018899	0.056817	-0.013389	-0.019352	-0.053307	-0.010104	0.073531	0.000604	-0.006717	-0.039791
69	0.018442	-0.087814	-0.026662	-0.054458	0.04456	-0.086703	0.06684	-0.10559	0.051016	-0.1247	0.079707	0.032614	0.027489	0.018742
70	0.092582	0.038226	0.045314	-0.013793	-0.017241	0.033055	-0.027482	0.001549	-0.071385	0.148632	-0.251412	-0.12524	-0.185589	0.020267
71	0.033984	0.033116	-0.005066	0.0159	0.01909	-0.030671	0.026703	-0.037069	-0.03436	0.015614	0.027404	-0.081781	0.095681	-0.010455
72	-0.102979	0.058422	0.066763	0.074183	0.034274	0.035698	-0.088049	-0.182736	0.096783	0.042377	-0.007465	0.135929	-0.097913	0.06513
73	0.054155	0.033859	0.07576	0.012547	-0.083504	0.034715	-0.188111	0.103388	-0.031555	-0.050335	-0.072968	-0.002908	-0.032901	-0.062002
74	0.04245	0.018176	0.029188	0.013637	-0.02245	-0.069827	-0.003359	0.06531	0.01725	0.0256	-0.001279	-0.01723	0.011447	0.00277
75	-0.068846	0.098322	0.043679	0.038021	-0.005943	-0.156439	-0.046401	0.044107	-0.052087	0.016555	0.009124	0.07032	-0.1192	-0.027395
76	0.021769	-0.02453	-0.084003	-0.006703	0.146255	0.048171	-0.029724	-0.054853	0.081837	-0.016449	0.03642	0.02721	0.013961	0.031193
77	0.037715	-0.079473	0.056976	0.025767	-0.015165	-0.090873	-0.096319	0.024396	-0.050038	-0.07423	-0.02708	-0.039384	0.025461	-0.098725
78	-0.040178	0.120891	-0.011173	-0.022993	-0.005879	0.155822	0.04319	0.057717	0.088494	0.052214	-0.001839	0.112325	-0.03234	-0.111491
79	-0.065229	-0.002292	0.056224	-0.021578	-0.063367	0.043253	0.13379	-0.064092	-0.018817	-0.090251	0.04257	0.071748	0.177587	0.222929
80	0.062486	0.021146	-0.109873	-0.00258	-0.023925	0.00317	0.022982	-0.063943	-0.043616	0.023069	0.025364	0.038882	0.025512	0.01116
81	-0.011557	-0.02092	-0.075041	0.062393	-0.042432	0.008083	0.090124	0.022282	0.065044	-0.032336	0.035326	-0.070262	0.029921	-0.042435
82	-0.036372	-0.099846	-0.035177	-0.041371	0.018469	-0.059717	-0.180361	-0.119484	-0.045449	-0.111594	-0.031122	-0.08599	-0.095728	0.215163

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
83	0.028868	0.042067	0.093982	-0.09567	-0.08034	0.027702	0.030497	0.100662	0.116638	-0.068076	0.081337	-0.155287	0.023349	-0.28944
84	0.081717	-0.066756	0.11244	-0.030719	0.017095	0.038495	0.081346	0.239617	0.052199	0.006135	-0.003965	0.020626	0.040367	0.073022
85	-0.002298	0.033114	0.059979	0.029741	-0.083491	0.040473	0.102191	-0.080407	0.131174	-0.048388	0.031167	0.020222	-0.031557	-0.031808
86	-0.097194	-0.078973	-0.135588	-0.156809	0.030007	-0.071947	0.062985	0.093005	-0.138599	0.044972	-0.032154	-0.028119	0.027443	-0.107598
87	0.035211	-0.037015	-0.005202	0.043252	0.031103	-0.083992	0.077882	0.040638	0.005047	-0.011743	0.030264	0.113961	0.004093	-0.002248
88	-0.090888	0.115627	-0.005262	-0.038045	-0.126597	-0.047872	-0.071614	-0.02362	0.080902	0.004171	-0.052843	-0.065049	0.075556	0.021542
89	0.031423	0.010255	-0.112773	-0.044727	-0.081519	0.075844	0.020308	-0.035155	-0.019815	0.005391	-0.050122	-0.073981	0.03015	0.12462
90	-0.077689	-0.063844	0.027854	0.111376	-0.099869	-0.001402	-0.048731	-0.044715	-0.01933	-0.045983	-0.12768	0.116174	-0.062556	-0.022582
91	0.060645	0.092415	-0.040263	-0.03404	0.00848	-0.024134	-0.024568	0.044844	0.0315	-0.077253	0.072825	0.06271	-0.235231	0.17357
92	0.11961	0.062898	-0.106559	-0.018104	0.066221	0.048598	0.018224	0.074675	0.049976	0.063998	0.03847	-0.135053	0.076793	0.073473
93	0.077548	-0.098589	-0.010644	0.027632	0.064	-0.046069	-0.104726	-0.029681	-0.006511	0.132805	-0.09831	0.003912	0.1035	-0.023315
94	0.018841	0.017749	-0.125756	-0.054243	0.046228	0.097183	-0.002333	-0.104993	0.018006	0.035688	-0.036817	0.079009	0.182579	-0.091154
95	-0.027113	0.002088	-0.02615	0.030836	0.041541	-0.020405	-0.052883	0.01597	0.02511	0.004992	0.02936	-0.032375	0.023074	0.090673
96	0.023775	0.022458	-0.005125	0.046932	0.005304	-0.088849	0.109219	0.05911	-0.04711	-0.01513	0.02483	0.038126	-0.005976	-0.017659
97	0.017436	-0.027972	-0.038168	0.007853	0.081701	0.006689	0.031001	0.078663	0.030637	0.092608	-0.003887	0.011592	0.056717	-0.044022
98	0.034486	0.153059	-0.011755	0.028932	0.037583	-0.162719	-0.014664	0.035227	-0.024661	0.017003	-0.098125	0.060302	0.038456	0.049284
99	0.060942	-0.003602	-0.056006	-0.027845	-0.043632	-0.057585	0.08874	-0.017705	-0.138459	-0.007512	-0.017755	0.106734	-0.115782	0.123395
100	-0.063492	0.01602	0.029406	0.008648	0.012356	0.008719	0.066826	-0.080414	-0.04259	-0.026493	0.000677	-0.149116	0.04465	-0.004077
101	0.040857	0.039614	0.032284	-0.112672	0.008944	-0.000943	0.014479	-0.13649	-0.096334	0.049216	0.027306	-0.062723	-0.037739	0.012874
102	-0.027364	-0.027424	0.074169	-0.029692	0.051694	0.051545	0.047049	0.023822	-0.085258	0.009345	-0.057487	0.037413	-0.043675	0.060958
103	-0.052883	0.027585	-0.055382	-0.021724	-0.04318	-0.078243	-0.087836	0.036417	0.072238	0.013904	-0.057485	-0.005245	0.011739	-0.055275
104	0.062934	-0.020892	-0.015691	0.07691	-0.026018	0.079948	-0.063743	-0.011872	0.070119	-0.035776	0.010228	-0.007508	-0.006978	-0.090057
105	-0.022853	-0.006699	0.010124	0.008501	0.056835	0.033413	-0.053296	-0.04157	-0.048183	-0.067966	-0.058003	-0.015018	0.059127	0.001732
106	0.0128	0.020353	0.077041	0.012343	0.010545	-0.067428	0.077256	0.03454	0.107252	-0.071692	-0.097761	0.00848	0.030942	0.061323
107	-0.044724	-0.096022	0.01431	0.016708	0.060146	0.055153	0.058659	0.027333	-0.062625	-0.049889	0.066924	0.187001	0.02606	-0.024887
108	0.081841	0.072253	0.026051	-0.005811	-0.053319	0.074019	0.07844	-0.042793	0.027915	-0.020019	-0.009316	-0.059786	-0.00647	-0.066454
109	-0.009723	-0.014346	0.052222	0.004305	0.003201	-0.017114	0.067614	0.008652	0.020874	0.039091	-0.016546	-0.021229	0.027196	0.083367
110	-0.005067	0.009909	-0.001334	0.05532	0.050209	0.009984	0.012355	-0.005205	0.074943	0.031062	-0.004863	-0.040074	-0.045056	-0.055389
111	-0.109241	0.011005	-0.047173	0.010617	-0.039962	-0.04701	-0.049968	-0.004046	-0.115968	-0.011849	-0.070043	-0.001674	0.137011	0.028974
112	-0.016261	-0.041956	-0.036493	-0.053823	-0.001058	0.032474	-0.041622	-0.012124	-0.108927	-0.008198	0.061605	-0.06042	-0.031868	0.034919
113	-0.056758	-0.021038	0.060884	0.036091	-0.03054	-0.029313	-0.05009	-0.032926	0.011204	-0.0562	0.068688	-0.006102	0.00012	0.026436
114	-0.041216	0.053141	-0.021174	-0.033623	0.015422	-0.042795	-0.04295	-0.035014	-0.012337	0.00282	-0.010923	-0.038153	0.015409	-0.039553
115	0.01275	-0.054395	-0.087848	-0.051132	-0.018631	-0.02654	0.004685	-0.025083	-0.018536	-0.00968	0.013529	0.036329	0.007335	0.017147
116	0.020908	0.154518	-0.028105	-0.111037	0.051471	-0.021175	-0.023172	0.057698	-0.063959	-0.009539	0.041417	0.069803	0.020269	-0.029893
117	-0.05	0.098467	0.041904	0.034452	-0.086943	0.015687	-0.023917	0.049768	0.108026	0.119247	-0.044759	-0.149448	0.072298	0.066384
118	-0.08057	0.055662	0.04899	0.049273	-0.010926	-0.006777	-0.02188	-0.015641	-0.046635	0.033632	-0.081798	0.086401	-0.011325	-0.018891
119	0.084626	0.060563	0.053174	0.031666	-0.026417	-0.030802	-0.031837	0.021837	-0.052835	-0.020089	0.06651	-0.010804	-0.093869	-0.028919
120	-0.00215	-0.129479	-0.060333	-0.090894	-0.012698	-0.058255	0.08602	0.014359	-0.009515	-0.012654	-0.075862	0.029788	0.116996	0.049426
121	-0.026556	0.021208	0.002296	-0.011959	0.032893	0.14386	-0.022898	0.043787	0.015393	0.018449	0.062299	0.027327	-0.107521	0.036182
122	0.002885	-0.073388	0.007864	0.043055	0.071559	-0.064563	-0.021751	0.042407	0.075056	-0.061601	-0.000978	-0.00706	-0.052419	-0.009657
123	0.095734	0.002191	-0.033698	0.008734	-0.032064	-0.045451	0.000934	0.017663	-0.12127	-0.025633	0.046863	0.016787	0.042103	0.113267

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
124	-0.103907	-0.000554	-0.001897	-0.017813	-0.004287	-0.052311	0.10249	0.010783	-0.00703	0.091421	-0.074237	-0.066952	0.085042	0.114525
125	0.102869	0.11341	0.040982	0.046771	0.072913	-0.022256	-0.070655	0.015757	0.062219	-0.008597	0.059767	-0.01799	0.068806	-0.013755
126	0.069842	0.001051	-0.040614	-0.033441	-0.096779	-0.051883	-0.038578	0.019559	0.011584	-0.004374	0.019085	-0.073133	0.042029	-0.031013
127	-0.019171	0.084031	0.02495	0.02649	0.182974	0.028111	0.016163	-0.064472	0.048113	-0.006079	0.028487	0.066957	0.05773	-0.044975
128	-0.123265	0.038553	0.071006	-0.030864	0.01548	0.001835	-0.012541	-0.051663	0.019733	-0.045924	-0.0041	-0.092499	-0.009023	0.101245
129	0.019749	0.02412	0.035997	-0.004571	0.027143	0.069903	-0.008217	-0.077687	-0.005619	-0.047387	-0.050527	-0.059731	0.040397	-0.024759
130	-0.017072	0.073647	0.005274	-0.019584	-0.060834	-0.036176	-0.00077	0.045291	0.069111	0.022692	0.054523	0.047769	-0.006918	0.014964
131	0.036551	-0.017441	-0.0133	0.019634	-0.043179	-0.048388	0.050129	0.014176	0.056432	0.03287	0.026487	0.016477	-0.01502	-0.055095
132	0.012503	-0.020428	0.005311	-0.06982	0.01485	0.006975	0.038851	-0.007725	-0.038142	-0.011977	-0.020019	0.019072	0.025286	-0.023982
133	0.004468	-0.001341	-0.035574	0.052358	-0.036968	-0.013196	0.079929	-0.03677	-0.048813	-0.055912	0.022448	0.027842	0.056125	0.01984
134	0.055796	-0.001766	-0.000315	-0.057936	0.07362	0.021148	0.029247	0.000977	-0.028697	-0.026867	-0.061842	-0.027523	0.015992	-0.027401
135	0.007769	-0.094103	-0.06958	0.051585	-0.04658	0.049804	0.009823	-0.060788	-0.044547	0.053364	-0.094553	0.123048	0.150971	0.053815
136	-0.002234	-0.070019	-0.055418	0.002699	0.05003	0.12901	0.048044	-0.039838	0.046569	0.057479	0.026978	-0.01231	0.006745	-0.052607
137	-0.02177	-0.034834	-0.028795	-0.023052	-0.014626	0.08596	-0.045468	0.080897	-0.024291	0.070093	0.006553	0.093818	-0.027542	0.038547
138	-0.026285	-0.010378	0.043039	0.063371	0.03018	-0.057731	-0.032561	-0.099234	-0.05722	-0.081751	-0.040819	-0.04148	-0.004342	0.005504
139	0.015869	0.039245	0.015496	-0.007328	0.03124	0.018778	0.065175	-0.041738	-0.019057	0.001954	0.014645	0.000894	-0.044352	0.036219
140	-0.012252	-0.021207	0.00335	0.031885	-0.001924	-0.001621	-0.034429	-0.010644	-0.018637	0.024148	0.022938	0.02245	-0.005002	0.034766
141	0.018362	0.045252	-0.010815	0.037082	-0.071622	0.032777	0.042964	-0.043157	0.02047	0.031422	-0.030585	-0.059753	-0.013929	0.00897
142	0.01247	-0.011175	0.077236	-0.006699	0.052521	0.011597	0.008916	-0.007577	0.029538	-0.036824	0.009341	0.088092	-0.058745	-0.007482
143	-0.027027	-0.065275	0.011374	-0.023599	0.000344	0.047503	-0.01549	0.050627	0.018615	0.016464	0.03354	-0.021516	0.022951	-0.004963
144	-0.062807	0.099186	0.01493	-0.017057	-0.04069	0.018032	-0.061592	0.033229	0.02746	0.037241	-0.002188	-0.037377	-0.039841	-0.006821
145	-0.008239	0.043554	0.016023	-0.014061	-0.008301	0.025187	0.018694	0.049014	0.070111	-0.019975	-0.044992	0.00833	-0.020652	-0.052745
146	-0.05768	0.031936	0.001957	-0.005557	-0.018952	-0.020484	-0.030547	-0.000917	0.011993	-0.024494	0.01188	0.029363	-0.025909	-0.007383
147	0.019332	-0.013629	0.055821	0.013969	-0.000852	0.012098	-0.007586	0.02509	0.029016	0.041404	-0.058199	0.062143	0.032655	0.067965
148	0.029366	-0.008773	0.009547	-0.034822	0.031516	0.051845	-0.017933	-0.02691	-0.031282	0.022104	-0.034695	-0.02282	0.000976	0.001497
149	0.014841	-0.001105	-0.008495	-0.045565	-0.08611	0.017979	-0.016011	-0.010586	-0.074919	-0.023968	0.025226	-0.000847	0.083024	0.025133
150	0.00666	-0.056087	0.036677	0.061874	0.044576	-0.088733	0.011747	0.027486	-0.05094	0.03026	-0.018838	-0.031896	-0.000796	0.026025
151	0.007722	-0.014828	-0.00634	0.001499	-0.0099	-0.009426	-0.007546	-0.003797	0.020001	-0.059105	-0.021258	0.003889	-0.045501	0.037181
152	0.002874	-0.069519	0.017934	0.041842	0.039844	-0.03877	-0.013424	-0.049715	-0.03766	-0.07697	0.0366	-0.117252	0.055982	0.04141
153	-0.032703	-0.011168	0.063129	0.024737	-0.03267	0.025587	0.050636	-0.053655	0.075181	-0.005539	-0.051303	-0.002632	-0.001267	0.05276
154	-0.018014	0.019343	-0.035427	0.038674	0.07408	0.017319	0.01056	-0.011721	-0.01588	-0.0049	0.035248	-0.062911	-0.044833	-0.019589
155	-0.002249	0.021555	0.004638	0.036467	0.013583	-0.031376	0.022283	0.028063	0.033988	-0.036465	0.049058	0.017334	-0.052976	0.015117
156	-0.028597	0.042176	-0.015704	-0.037732	-0.02701	-0.034892	-0.059477	0.024433	-0.04367	-0.001878	0.001147	0.076462	0.024596	-0.003805
157	0.022883	0.031651	-0.008844	-0.009861	0.025921	-0.016738	-0.019285	0.011466	0.01233	-0.005866	-0.081839	0.000287	-0.021794	-0.068975
158	0.055212	-0.0321	-0.028801	-0.046101	-0.041196	0.020072	0.03015	-0.000916	0.056186	-0.023573	0.050931	0.043303	-0.018798	-0.041963
159	0.024035	0.049498	-0.013646	0.013271	-0.035268	-0.014928	-0.02129	0.050287	0.062142	-0.028222	0.005816	-0.009251	-0.004593	0.025465
160	-0.031556	0.003064	-0.055038	-0.018511	0.000604	0.005698	0.023475	-0.047686	-0.018231	0.018054	-0.019121	0.049334	0.014183	-0.01563
161	-0.00917	0.004951	-0.03941	-0.014202	-0.00065	-0.059132	-0.009743	0.008514	-0.087884	0.043356	0.001488	-0.009842	0.004312	-0.009458
162	0.003027	-0.009165	-0.011179	-0.017231	0.008566	0.002324	-0.008657	0.024726	0.016814	-0.005117	-0.049997	0.05775	0.029323	0.019266
163	-0.005831	-0.021453	0.013774	0.014349	0.004712	-0.042056	-0.032897	-0.043145	0.005047	-0.025665	0.04248	0.01098	-0.028373	0.03388
164	0.010247	-0.00735	-0.017618	-0.000175	-0.001516	-0.008017	-0.028943	-0.044994	-0.014211	-0.012972	-0.027196	0.003831	0.003656	-0.024809

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
165	0.026864	0.021774	0.013704	-0.018793	-0.013303	-0.009039	-0.073207	-0.009134	-0.029464	-0.01165	-0.034257	-0.050055	-0.068467	0.042634
166	-0.008098	-0.009266	-0.044346	-0.036238	0.074601	0.045725	-0.002992	0.051221	0.030394	-0.061262	-0.007786	0.063704	-0.019239	0.013289
167	0.046287	0.010278	-0.051832	-0.031974	0.049448	-0.020017	-0.010886	-0.023146	0.007428	-0.009662	-0.001286	0.026004	-0.022222	-0.038017
168	-0.019292	0.039105	-0.015586	-0.00418	0.013278	-0.000649	-0.004603	0.002431	0.010735	-0.034826	-0.04041	-0.029238	-0.00762	0.030503
169	0.036584	0.008071	0.055603	0.015359	-0.010101	0.038751	-0.036725	0.00833	-0.023743	-0.019206	-0.012516	0.04824	0.027457	-0.018845
170	0.029052	0.003137	0.029744	0.018829	-0.029212	0.005816	-0.025452	0.030504	-0.051163	-0.068592	-0.010702	0.002478	0.029811	0.018249
171	0.024649	0.012847	0.00593	0.016127	0.016655	0.019432	-0.071044	-0.012409	-0.016446	-0.010026	-0.014657	0.015376	0.027957	-0.018276
172	-0.024452	-0.012917	0.019162	-0.061287	0.000115	-0.054238	-0.025869	-0.028284	0.065392	-0.074905	0.008819	0.031475	0.020653	-0.041676
173	-0.00122	0.005305	-0.063538	-0.044505	0.008011	0.013979	-0.007837	0.024732	0.000602	-0.022667	0.012629	0.00311	0.010117	-0.007593
174	0.019736	0.036449	0.003804	-0.009162	-0.015496	0.019727	0.01251	-0.02982	0.016842	0.005089	-0.00121	0.001733	0.014455	-0.014482
175	-0.041491	-0.071491	-0.019375	-0.056825	0.037971	-0.042403	-0.040273	0.017521	0.058372	-0.05328	0.023954	-0.017201	0.019092	-0.001693
176	-0.043559	-0.038077	0.041889	0.029594	0.005607	-0.028918	-0.061544	-0.01764	-0.055288	0.042744	0.042472	0.005388	-0.031626	0.006451
177	0.01289	0.054253	-0.035935	-0.017481	0.009592	-0.038484	0.030821	-0.031091	0.021338	0.004436	0.022433	0.009602	0.013383	-0.058199
178	-0.002397	0.018919	0.071491	0.00048	0.038051	-0.04396	-0.033334	-0.00154	0.031845	-0.016477	0.003332	0.016464	0.006372	-0.049225
179	-0.040686	-0.027854	-0.012746	0.005363	-0.009479	0.01759	-0.032483	-0.036819	0.003997	-0.02299	-0.011546	0.006739	0.01282	0.037533
180	0.021849	-0.011444	-0.017775	-0.028972	-0.006581	0.052701	-0.00663	0.023191	-0.021958	-0.016661	-0.011493	0.01382	0.015672	0.015627
181	0.039434	-0.001232	-0.032009	-0.019711	-0.015701	0.035624	-0.017983	0.013429	-0.024069	0.000449	0.00725	-0.010598	0.005878	0.033543
182	-0.033975	0.032534	-0.023911	-0.023399	-0.025699	0.0113	-0.002886	0.03836	-0.044745	-0.014822	0.041658	0.010063	-0.05313	0.03743
183	-0.012693	-0.069867	-0.038463	0.025621	0.008484	0.002493	0.017466	-0.033004	0.024418	0.015332	-0.016567	-0.013275	-0.061689	0.015652
184	0.025795	-0.121612	0.002384	-0.030896	0.039572	-0.032737	0.01552	0.063903	0.039497	0.053611	0.052677	-0.020907	0.032691	-0.05962
185	0.001085	0.002825	-0.025947	-0.051491	0.026795	0.001684	0.050345	0.024068	-0.019074	0.017376	0.01305	-0.026006	0.072121	0.010029
186	-0.040851	-0.029987	-0.080335	-0.0066	-0.015257	-0.02742	-0.032202	-0.072171	0.041142	-0.078026	0.039999	0.001827	0.047656	0.033684
187	-0.104861	-0.044284	-0.03853	0.016541	-0.0217	0.003995	-0.020073	-0.042924	-0.025413	-0.033366	0.019228	0.015039	0.001721	0.009527
188	-0.039868	-0.082124	0.017119	0.007304	-0.007997	0.021721	-0.051867	-0.018471	0.003774	0.006196	-0.000946	0.041246	-0.020566	-0.003473
189	-0.009752	-0.095288	0.012309	-0.025899	-0.018689	0.00738	-0.029809	0.015853	-0.009372	0.035337	-0.017725	-0.009837	0.016547	-0.030922
190	0.024408	-0.029293	-0.048987	-0.04136	-0.133246	0.029545	0.034614	0.060792	0.006633	-0.016721	-0.007613	-0.038825	-0.059988	0.010854
191	0.006575	-0.014342	0.022415	-0.023442	-0.106419	-0.012888	-0.024467	0.037391	0.015566	-0.031291	-0.016426	0.025113	-0.006758	0.027438
192	-0.085162	0.055715	0.005611	0.001542	-0.079954	-0.03969	0.030722	0.011539	0.0356	-0.014672	0.010473	0.035604	0.02801	-0.00015
193	0.588121	-0.016993	0.006149	0.014844	-0.05174	-0.02741	-0.021199	-0.009906	-0.025499	-0.03127	0.036989	0.004108	-0.045809	-0.012762
194	-0.027755	0.573925	-0.03366	-0.006682	0.012403	-0.005351	-0.000496	-0.034374	-0.008424	-0.045851	-0.024443	0.028675	0.008691	0.068334
195	-0.001069	-0.062423	0.632988	-0.141704	-0.012273	-0.060276	0.090266	-0.03841	-0.066541	-0.025347	-0.004082	-0.022146	-0.04003	0.018725
196	0.017385	-0.03527	-0.129772	0.716547	-0.05979	0.011343	0.017955	0.046753	0.007372	-0.047766	-0.007191	-0.046393	0.005987	-0.036334
197	-0.034344	0.023053	0.013202	-0.056913	0.660447	0.009089	0.008948	0.074488	0.035681	-0.017444	-0.030104	0.006414	-0.007532	0.048005
198	-0.02157	-0.030237	-0.058621	0.009918	-0.008439	0.508006	0.042597	-0.052839	-0.013372	-0.17187	-0.032992	0.00656	-0.021824	0.029402
199	0.045653	0.022299	-0.006098	0.021571	0.029649	-0.008303	0.314524	-0.027994	0.034155	-0.002257	-0.03945	0.008957	-0.03148	0.029243
200	-0.043811	0.015937	-0.052978	0.028478	0.048037	-0.086645	-0.015258	0.450533	0.051642	-0.138933	-0.088938	0.031058	0.018093	0.02849
201	0.025031	-0.027284	-0.02751	0.013385	0.001842	0.001011	0.048572	0.018047	0.397672	-0.020597	-0.000568	-0.057375	-0.042232	0.021066
202	0.008417	-0.02815	-0.044964	-0.027972	-0.048316	-0.150191	0.034809	-0.101912	0.02886	0.571614	0.068576	0.024364	-0.00309	-0.001143
203	0.033792	-0.015249	0.037611	0.02182	-0.036092	-0.048303	-0.087474	-0.060393	0.007559	0.062418	0.479068	0.045209	-0.010875	-0.014126
204	-0.03703	0.023816	-0.009117	-0.036472	-0.007271	-0.008044	0.031741	0.055738	-0.042293	-0.023267	0.060109	0.296089	0.023205	-0.021297
205	0.001198	0.001147	-0.050476	-0.051417	0.005502	-0.003464	-0.010082	0.002171	-0.028603	0.074557	0.053346	0.022354	0.170707	-0.067475

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
206	-0.03986	0.026084	0.001857	-0.02608	-0.018647	0.05489	-0.003323	0.034619	0.045547	0.013349	0.01969	-0.009097	-0.021801	0.308561
207	-0.003821	0.002332	-0.009004	-0.038933	-0.017047	0.012496	-0.012233	0.015267	-0.033135	0.042257	-0.000026	0.039541	0.023472	-0.044903
208	0.013643	-0.039204	-0.011959	0.053354	-0.036121	0.011861	0.027119	-0.017148	-0.038838	0.00026	-0.046651	-0.021083	0.020916	0.003072
209	-0.001724	-0.066891	0.011078	-0.039942	-0.020243	-0.002486	-0.053678	-0.04356	0.030705	-0.004413	-0.028783	-0.043937	-0.008967	0.016385
210	-0.032122	0.02407	-0.029121	-0.004424	-0.005432	-0.010793	-0.01204	-0.021643	0.053122	0.037459	-0.046524	0.015831	-0.00065	-0.035568
211	-0.027529	-0.001434	0.0454	0.011693	-0.004892	0.03139	0.007564	-0.040122	-0.074964	-0.039513	0.026716	-0.068168	-0.044567	-0.016577
212	0.042061	0.046969	-0.027161	-0.038206	-0.017872	-0.053724	0.026511	-0.022238	0.053126	-0.01345	-0.010422	0.041495	-0.015832	0.049065
213	-0.009499	0.046742	0.036547	-0.023462	-0.006531	0.013075	-0.018961	0.031619	0.034865	0.041443	0.000908	-0.008371	0.008274	-0.00887
214	0.011754	-0.025003	-0.000012	-0.045365	-0.007466	0.026096	-0.002391	-0.004684	0.004554	-0.015286	-0.02027	0.014359	0.047061	-0.023892
215	-0.095879	0.017323	-0.032167	-0.059475	-0.005947	-0.020145	-0.031373	-0.063881	0.011458	-0.014705	0.015901	-0.015056	-0.018769	0.004344
216	0.045017	-0.012815	0.005022	0.029562	-0.006946	-0.009059	-0.011555	0.044795	-0.020662	0.039888	-0.005333	0.015966	-0.015751	0.053946
217	0.026166	-0.001766	-0.019308	-0.040137	0.010812	0.013677	-0.010995	-0.020748	0.022979	-0.029507	-0.034964	0.003766	-0.059859	-0.000502
218	-0.014385	0.008272	-0.042831	-0.017271	-0.001568	0.01635	0.002007	0.068969	-0.022606	0.013793	-0.014302	-0.003697	-0.056868	0.031263
219	0.029549	0.055805	-0.022956	-0.025314	0.034317	-0.017206	-0.017002	0.036111	-0.022841	0.025792	-0.009619	-0.014152	-0.004607	-0.034928
220	-0.031516	0.044831	0.034594	0.007668	-0.00777	0.013303	0.003619	-0.018476	-0.003535	-0.034895	0.002109	-0.030179	0.027429	-0.000717
221	0.049051	-0.009581	-0.020023	-0.008314	0.010409	0.013327	0.035064	-0.008374	0.034965	0.004205	-0.007992	0.011245	0.00786	0.025396
222	0.015711	0.001886	0.023747	-0.004763	0.037411	0.039042	-0.017561	0.028097	0.048044	0.050174	-0.007468	0.00927	-0.019671	-0.018055
223	-0.064431	-0.045933	-0.002325	0.027692	0.055479	-0.005243	-0.019211	0.036205	-0.030624	0.059201	0.000765	0.000919	-0.044201	-0.003387
224	0.027427	0.017432	-0.017595	-0.022958	-0.014538	-0.004463	0.001966	0.019295	0.004101	-0.015767	0.065596	-0.000183	0.006297	0.009768
225	0.029065	0.000256	-0.00313	0.00731	0.023388	-0.045058	-0.006731	0.018943	-0.006837	-0.019411	0.056762	0.005695	-0.01507	0.010053
226	0.007179	0.020766	0.003623	-0.000385	0.000308	-0.026519	-0.006854	-0.039073	0.038313	-0.033977	0.013478	0.010554	-0.042689	0.043515
227	-0.018007	0.005309	0.009615	0.018602	0.075046	0.032998	0.054469	0.016407	-0.033332	0.021361	-0.041614	0.008202	-0.000073	-0.018808
228	-0.001884	0.008687	-0.006921	0.004921	-0.043696	-0.000779	-0.00796	0.003079	-0.025242	-0.002308	-0.039038	-0.007288	-0.015795	0.029426
229	0.003274	-0.050569	-0.007708	0.015104	0.044865	0.016818	0.01723	-0.020731	-0.008875	-0.019575	-0.000621	0.023191	0.002054	0.021262
230	-0.011523	-0.035533	0.011151	0.005207	-0.000817	0.031486	-0.044147	-0.038903	0.013935	0.007526	0.014781	-0.034195	-0.018052	0.049621
231	-0.050316	0.011327	0.036645	0.029563	-0.000756	0.038246	-0.020604	0.022408	0.004073	0.032942	0.075687	-0.022078	0.008433	-0.002612
232	-0.030997	0.013524	-0.012204	-0.055028	-0.018688	-0.043049	-0.030857	0.022346	0.038653	-0.057035	-0.035437	0.003964	0.015499	-0.019365
233	-0.026528	-0.010714	-0.017174	-0.014982	0.029877	-0.0612	0.002296	-0.034401	0.004431	-0.032518	-0.046095	0.014835	0.029368	-0.008197
234	0.031918	0.04156	0.054966	0.000601	-0.068895	0.025398	-0.022145	-0.032879	-0.010443	0.015493	-0.011935	0.018197	-0.000799	0.063256
235	0.017002	-0.050436	0.071348	-0.003008	0.003525	0.086142	-0.058739	-0.075813	0.071134	-0.022974	-0.020425	-0.014158	0.045119	-0.04261
236	-0.008767	0.002052	0.024866	0.019636	-0.020751	0.028344	0.035772	-0.014396	0.076921	0.054327	0.007371	0.011032	-0.012073	0.01174
237	-0.046507	-0.029053	-0.021913	0.009517	-0.030058	-0.007726	0.039735	-0.017459	-0.022091	0.022313	0.015268	0.034909	0.014586	-0.024788
238	0.022805	-0.000356	-0.006818	0.01018	0.010948	-0.027599	-0.008607	-0.009786	-0.033416	0.001333	0.018131	-0.027555	0.037979	-0.048594
239	0.005453	0.005987	-0.020606	-0.012959	0.008769	-0.035261	-0.013181	0.014696	-0.047187	-0.002017	-0.002593	-0.000672	-0.023707	0.01214
240	0.000213	-0.000156	-0.022229	0.023991	0.035645	0.004157	-0.01294	0.015954	-0.012242	-0.023884	-0.009966	0.027653	-0.034869	-0.01216
241	0.024969	-0.008959	-0.013845	-0.016453	0.016685	-0.053492	0.041741	-0.033185	-0.026345	0.015396	-0.034471	-0.051401	-0.06283	0.015448
242	0.020097	-0.015894	0.027711	0.039132	0.04066	0.012748	0.043332	0.007787	-0.025801	-0.00359	-0.01991	-0.004727	-0.02569	0.001177
243	-0.010607	0.00986	0.002305	0.017084	0.024203	-0.004824	0.028138	0.003912	-0.030246	0.000435	0.037687	-0.068975	-0.007391	-0.037878
244	-0.029856	-0.02586	0.013255	0.033588	0.001443	-0.014043	0.042389	-0.005634	0.031393	-0.019742	0.030079	0.054098	-0.008387	-0.016531
245	0.029984	-0.001102	0.027134	-0.035068	0.01494	0.035918	-0.056952	0.013192	0.053292	0.041991	-0.035113	0.008826	-0.006975	-0.000955
246	-0.000599	0.027703	0.000143	-0.005495	0.001554	0.031441	0.025717	0.014594	-0.036924	0.018558	-0.009344	-0.000356	-0.048501	0.03369

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
247	0.051154	-0.022116	-0.015014	-0.023963	-0.001822	0.001122	0.019614	-0.034692	0.033437	0.018687	-0.026168	0.004291	-0.057293	0.008584
248	0.000985	-0.02948	-0.023082	-0.009584	-0.033924	-0.002941	-0.003996	-0.026683	0.05142	0.008546	0.009806	-0.001558	-0.039703	-0.006353
249	-0.049419	0.024937	0.034051	0.054639	0.011761	0.014151	-0.041611	-0.006266	-0.003899	-0.042711	0.02131	0.007166	0.006043	-0.028996
250	-0.027114	-0.028344	-0.000211	-0.027873	0.025506	0.051593	0.029205	0.06357	-0.011615	0.019187	0.038136	0.001018	-0.031418	-0.040188
251	-0.004396	-0.025279	0.018165	-0.008417	0.015337	0.008401	0.023722	0.027648	-0.014056	-0.016834	0.029047	-0.033158	0.031808	-0.03943
252	0.03312	-0.009428	-0.016262	0.013172	-0.021859	-0.04401	0.021147	0.023849	0.067164	0.028122	0.012703	-0.052377	-0.002607	-0.005803
253	-0.034291	-0.005598	-0.018693	0.011294	0.001227	0.03389	0.007472	0.029444	-0.029041	0.056744	0.011097	0.031012	-0.051153	0.026818
254	-0.110412	-0.028015	0.032534	0.068253	0.002626	-0.033876	-0.00175	0.041646	-0.085384	0.021519	-0.015731	0.009228	0.046056	0.032498
255	-0.029863	0.006464	0.022425	0.05888	0.018365	-0.012744	0.046127	0.017118	-0.002045	0.018136	0.032161	0.003904	0.015568	0.020937
256	0.007559	-0.012029	-0.01472	-0.037628	-0.02729	-0.002466	-0.011963	0.003998	0.007672	0.024732	-0.021629	-0.01455	-0.006235	-0.003792
257	-0.022718	-0.0204	-0.002993	-0.038359	-0.032422	0.001203	-0.044111	0.018095	0.008989	0.020489	0.005059	-0.029824	-0.014613	-0.008752
258	-0.012883	0.001254	-0.010643	0.00956	-0.01795	-0.005809	-0.063134	-0.008324	0.01399	0.015794	0.028291	-0.017457	-0.050087	0.060578
259	-0.003749	0.001306	0.03474	0.021781	0.030228	0.079203	0.020262	0.02343	0.009989	0.023007	0.016579	0.006053	-0.012566	0.004865
260	-0.014974	-0.028073	0.008227	-0.000059	0.039496	-0.041637	0.005463	0.041788	0.042244	0.012327	-0.033836	-0.004915	-0.028872	0.023659
261	0.028549	-0.005963	-0.060014	-0.04006	-0.038423	0.006043	-0.018316	0.02096	-0.03382	-0.013359	-0.023597	0.027152	0.00405	-0.018122
262	0.03388	-0.006747	-0.02947	-0.014522	0.002949	-0.038664	-0.021384	-0.052132	-0.014218	-0.06309	-0.029648	0.003495	0.017212	0.000482
263	0.007425	-0.022495	-0.001679	0.010645	0.000979	-0.033338	-0.0262	-0.016137	-0.007576	-0.014622	-0.011979	0.000836	0.057811	-0.013364
264	-0.003212	0.004894	0.052898	0.01013	-0.026458	0.039878	-0.008917	0.044908	0.030024	0.051416	0.020084	0.046428	0.034029	-0.034337
265	-0.091593	-0.015291	-0.067524	-0.029443	-0.027704	0.019543	-0.040601	0.016879	-0.024585	0.015881	-0.010302	-0.01174	0.005217	0.012646
266	0.009407	-0.041796	-0.086389	-0.068434	-0.002529	-0.018082	-0.062165	-0.004375	-0.044773	-0.000114	-0.011582	-0.009393	0.010188	-0.000697
267	0.006059	0.007595	0.035471	-0.029415	0.000727	-0.004366	-0.010105	0.032838	0.040811	-0.039519	-0.059878	-0.007321	-0.016582	0.020339
268	0.014104	0.005386	-0.011154	-0.002412	0.009309	-0.040753	-0.024953	-0.004757	0.025439	-0.017224	-0.034975	0.010015	0.002807	0.018195
269	0.041306	-0.004538	0.007618	0.018261	0.024065	-0.046039	0.01013	-0.033409	0.031371	-0.014489	0.011854	0.003748	-0.01941	-0.012289
270	-0.00236	0.005522	0.006654	0.019637	-0.006172	-0.013601	0.021392	0.047307	0.010449	0.004125	-0.012009	0.029418	-0.01081	0.006022
271	0.033307	0.019716	0.00934	0.02621	0.019356	0.040472	-0.020193	-0.031542	0.014655	0.032254	0.032399	0.027962	-0.022264	-0.037473
272	-0.048406	0.041084	-0.031886	-0.00885	0.017464	-0.045422	-0.011479	-0.021013	-0.012102	0.025634	0.026567	-0.053405	0.008702	-0.050917
273	-0.003682	0.0152	-0.041847	-0.016165	-0.006484	-0.007963	-0.045276	-0.029927	-0.00085	-0.031272	0.02528	-0.033664	0.032757	0.022917
274	-0.004456	0.022841	-0.041127	-0.025684	0.002082	-0.006002	-0.042127	-0.033761	-0.005849	-0.028335	0.037766	-0.043121	0.008202	0.009099
275	-0.006523	-0.023218	0.03586	-0.00963	-0.014604	-0.019994	0.019678	-0.049875	-0.035002	-0.007881	-0.020085	0.013272	0.012915	-0.016818
276	0.048544	0.031084	0.0374	0.011707	-0.022164	0.034997	0.00085	0.024054	0.042806	0.07843	-0.010496	0.014327	0.028933	0.004753
277	0.028193	0.015653	-0.035792	-0.005588	-0.000092	-0.018944	0.024087	0.026715	0.002314	0.008795	-0.022268	0.000789	0.014948	-0.005758
278	-0.035305	0.068074	-0.02018	0.007944	-0.003564	-0.00104	0.049457	0.023851	-0.029243	0.024702	-0.00453	-0.020821	-0.052708	0.02109
279	0.006874	0.006976	0.01354	0.011941	-0.014791	-0.016171	-0.016575	-0.00235	-0.000301	-0.004832	0.003468	0.008238	0.009894	-0.015528
280	-0.009664	0.018938	-0.013568	-0.037358	0.008352	0.008022	-0.032684	0.015204	-0.03085	-0.008845	0.028612	-0.002978	0.01934	-0.027117
281	0.046952	-0.033352	0.056863	0.012992	-0.006642	0.030861	-0.025566	-0.00622	0.001741	-0.022557	-0.052526	-0.026394	0.011303	-0.013139
282	0.031165	0.027242	0.042733	0.026232	0.009292	0.043423	0.031269	-0.045095	-0.001988	-0.026166	0.00611	-0.034759	0.01912	-0.004491
283	-0.002644	-0.022597	0.005324	-0.027864	0.007782	0.004334	0.053385	-0.064418	0.004113	-0.047848	-0.029935	0.016337	-0.018225	-0.035338
284	0.012452	-0.025291	0.03463	-0.03122	-0.037201	0.025049	-0.012487	0.012338	-0.003923	0.005881	-0.016865	0.003211	0.031671	-0.012097
285	0.009981	0.016216	0.016806	-0.025267	-0.031587	0.046363	0.016507	0.035842	0.001643	0.020953	0.037497	-0.031815	0.006213	-0.025814
286	-0.011171	-0.012816	0.03848	0.001908	-0.00657	0.002231	-0.067433	-0.005044	-0.032713	-0.014088	0.022387	0.00763	0.077931	0.001549
287	-0.014104	0.003055	0.043024	-0.004405	0.006453	-0.013206	-0.012554	0.013404	-0.058064	-0.028268	0.032619	-0.009495	0.0613	-0.015471

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
288	-0.002101	-0.017757	0.021259	0.006102	0.019432	-0.000574	0.017867	-0.003821	-0.017232	-0.01074	0.042789	-0.031119	0.024868	0.01034
289	0.003916	0.01067	-0.028432	-0.030282	0.003505	-0.057079	-0.009073	-0.030731	0.002822	-0.064961	-0.007413	-0.017818	-0.014208	-0.007752
290	-0.017693	-0.016964	0.035996	0.017862	0.019772	0.007236	0.006821	-0.010278	0.00366	0.013752	-0.013185	-0.016957	0.009293	0.033731
291	-0.009471	-0.027759	0.036103	0.012726	0.018921	0.008197	0.004574	-0.010012	-0.001563	0.007934	-0.007195	-0.010076	0.013785	0.035166
292	0.001313	-0.06297	0.052595	0.000845	0.0167	0.035748	0.028724	0.004095	0.024949	0.010735	0.022329	0.007328	0.004754	-0.016955
293	-0.044014	-0.040808	0.021698	0.008452	-0.00472	0.017408	0.039338	-0.016386	0.065984	-0.00999	-0.020399	-0.000138	0.008044	0.001735
294	-0.040552	0.037078	-0.005376	-0.012139	-0.021994	-0.031552	0.002363	-0.023482	-0.015494	0.015225	0.021557	0.035114	-0.010902	-0.032487
295	-0.013976	0.003979	-0.021851	-0.002622	-0.009052	0.020484	-0.043924	0.030545	-0.007647	-0.005318	-0.018542	-0.009945	-0.013739	0.007391
296	0.010277	0.049234	-0.048382	-0.026746	0.016845	0.025768	-0.063362	0.040964	-0.034183	0.035501	-0.054991	-0.013921	-0.004501	0.006047
297	0.020874	-0.028723	0.019762	0.003217	-0.006407	0.065657	0.01432	0.079214	0.003994	0.004038	-0.011795	0.016328	-0.020437	0.008377
298	-0.008328	0.008476	0.029319	0.014413	0.063461	-0.040097	-0.017629	-0.030283	-0.022667	0.038423	-0.006623	0.068865	-0.008429	0.070274
299	-0.045055	-0.026975	0.022187	0.006118	-0.036741	-0.00886	0.026559	0.044813	-0.012374	-0.024054	-0.019706	0.025789	0.02377	0.024331
300	-0.007143	-0.009808	0.117328	0.010447	-0.061521	-0.007343	-0.057176	0.036481	0.054013	0.026989	0.033286	-0.002124	-0.073625	-0.00509
301	-0.011062	0.01804	0.019409	0.006447	-0.034563	0.007879	0.028992	0.014525	0.014285	-0.008191	-0.013941	-0.008769	0.003188	-0.026477
302	0.01353	0.019003	-0.020935	-0.029636	0.006812	-0.005051	0.016541	0.030187	-0.035252	-0.024151	0.005198	-0.022168	0.002527	-0.007015
303	-0.008744	0.05256	-0.011813	0.014839	0.017527	-0.028298	0.032153	-0.043775	0.00909	-0.037219	0.025817	0.060002	-0.0507	0.024539
304	-0.016947	-0.006933	-0.005932	-0.049992	0.000187	0.072948	0.036441	0.011652	0.006867	-0.032915	0.029361	0.071496	0.030717	-0.012114
305	-0.060066	0.026362	-0.00819	-0.011359	-0.00195	-0.090298	0.018535	-0.07856	0.039449	0.013052	-0.0587	0.027046	-0.051207	-0.124163
306	-0.018646	-0.053291	0.019092	-0.007028	0.007952	-0.017557	0.01033	0.037616	0.00254	0.036204	-0.028851	-0.038297	-0.108313	-0.00649
307	-0.031812	-0.001063	0.017314	-0.020989	-0.02589	0.004131	0.015119	-0.022966	-0.043868	-0.035958	-0.011042	-0.0454	-0.047305	-0.044969
308	-0.006171	0.017202	0.015044	-0.011849	-0.000001	-0.024255	-0.009035	0.015922	0.023393	-0.011809	0.022083	-0.019977	0.027288	-0.017591
309	0.003223	-0.020698	0.015391	0.048742	0.030838	-0.038145	0.005447	0.017378	-0.004249	-0.02384	0.034749	0.009589	0.019765	-0.02877
310	-0.057409	-0.039632	-0.04858	0.034236	0.05995	0.023255	-0.052834	-0.050111	-0.057193	0.05313	-0.003372	0.053232	0.008675	-0.042377
311	0.026293	-0.073946	-0.015313	0.010872	0.01704	-0.030364	-0.010993	-0.059298	0.013999	-0.010448	-0.045691	-0.003936	-0.021187	0.002562
312	0.002371	-0.016044	0.004838	0.02288	-0.000809	-0.017859	0.002337	-0.051846	0.027045	0.061544	0.057361	0.012415	-0.02264	-0.007452
313	0.045182	-0.032974	0.01484	0.034322	-0.052098	-0.01042	0.053748	-0.034353	0.011494	0.010643	-0.019188	-0.00504	0.041571	-0.0073
314	0.074058	-0.024167	-0.025383	-0.015861	0.042348	-0.044819	0.059466	-0.029561	-0.054731	-0.055947	0.050195	-0.101816	-0.0449	0.045368
315	0.016325	-0.032526	0.019094	-0.014929	-0.020121	-0.009877	-0.027199	-0.012639	0.00492	-0.02683	-0.026376	-0.050033	-0.055096	-0.018916
316	-0.003904	-0.002609	0.00919	0.007118	-0.032846	-0.016613	0.044056	0.002803	0.12471	-0.0383	0.04006	0.027856	0.00578	-0.011218
317	-0.018239	-0.050005	-0.001062	0.002164	-0.004482	-0.004077	-0.007338	-0.00633	-0.029857	-0.022772	0.005486	0.010029	-0.036409	-0.016391
318	0.033372	-0.044687	0.021112	-0.012019	0.009714	-0.037943	0.016878	0.021736	0.033899	0.017657	0.060664	0.022838	-0.025059	-0.048141
319	-0.001409	-0.03094	-0.003805	-0.00179	-0.00252	0.017405	-0.047313	-0.014972	-0.001106	-0.028042	0.018807	-0.024935	0.017404	0.023462
320	0.054025	-0.014107	-0.052856	-0.021244	0.050188	0.003199	-0.049669	-0.046965	-0.052671	0.094122	-0.001889	-0.083922	-0.02986	0.044295
321	-0.013695	0.013613	0.063204	0.000869	-0.06717	-0.028553	0.050891	0.046499	-0.024286	-0.019288	-0.02924	0.001649	0.071078	-0.007016
322	-0.013226	0.000739	0.066913	0.001239	0.029328	-0.03162	-0.09496	-0.020621	0.021532	0.00552	0.051758	-0.025468	0.001558	-0.045879
323	0.015407	0.008217	0.014777	0.032402	-0.030327	0.047	-0.032596	0.032591	-0.050229	0.048561	-0.011711	0.030013	-0.027677	0.042154
324	0.041553	-0.02206	0.007759	0.036766	-0.049516	-0.057286	0.029225	0.018097	-0.045429	-0.033065	-0.024446	-0.016842	0.004244	0.014001
325	0.02324	0.010086	-0.021834	0.029985	-0.018034	-0.008228	-0.016269	-0.028239	-0.044935	-0.003428	-0.005377	0.045428	0.041981	0.007958
326	-0.054419	0.039641	-0.056549	-0.032133	0.004341	-0.010898	0.01839	-0.03378	0.010599	0.001414	-0.107914	-0.094782	0.009376	0.03308
327	0.02901	0.006297	0.008059	-0.003283	-0.015824	-0.028509	-0.038975	0.015492	0.016497	0.005346	0.003632	-0.012916	-0.001355	-0.041076
328	-0.011342	0.02559	0.006746	0.016292	-0.035308	0.047791	-0.031133	0.063473	-0.007089	-0.053505	0.037958	-0.005865	0.048642	0.008253

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
329	-0.013717	0.02572	0.011354	-0.001574	-0.026106	0.00897	0.009065	0.038457	0.002464	0.082978	-0.025301	-0.04939	0.053887	-0.010542
330	0.038503	0.000789	0.036388	0.01293	0.002697	-0.040571	-0.027041	-0.033227	-0.134132	-0.013907	0.029839	-0.033669	-0.044361	-0.004927
331	-0.006713	0.027821	-0.015297	-0.003183	0.041643	-0.029462	0.013334	0.004842	-0.000095	0.025463	0.002804	-0.008071	-0.061823	0.004845
332	-0.020378	0.052733	0.010126	-0.025115	-0.014832	0.012167	0.021895	0.062443	0.094404	-0.015126	0.105627	0.05556	0.05567	0.023612
333	0.000416	0.042185	-0.010349	0.002946	-0.028959	-0.004645	-0.029166	0.060923	0.014196	0.024352	0.035715	0.01414	-0.011709	-0.006725
334	-0.031641	0.01335	0.015062	-0.022133	-0.024937	0.043257	-0.05694	0.042225	-0.059621	-0.04311	-0.002038	0.002586	-0.005025	-0.013051
335	-0.014839	-0.009587	-0.012299	0.019925	-0.001068	-0.011655	-0.007064	-0.064896	0.023699	0.047795	0.004908	-0.026396	0.017137	-0.011947
336	-0.013131	0.009682	0.045875	-0.003265	-0.012165	-0.056392	-0.003664	0.010026	-0.002655	-0.002915	-0.03692	0.082652	0.037293	-0.061286
337	0.014755	0.000536	-0.017704	0.087007	0.029899	0.008185	0.002745	0.007486	-0.027891	0.047978	-0.094436	-0.127151	0.002968	0.071991
338	0.00702	-0.070779	-0.033706	0.003715	-0.018518	-0.044597	0.037581	-0.043235	-0.012294	0.015153	-0.034548	0.075582	-0.026185	-0.051081
339	-0.052266	-0.014742	-0.001693	-0.043291	-0.004188	0.111009	0.017009	-0.006808	0.024149	-0.058937	-0.010943	-0.031671	0.022157	-0.029673
340	0.022243	0.017752	0.02066	0.000331	0.026492	0.007636	-0.06274	0.013463	-0.010411	0.012302	-0.038336	-0.039326	0.050437	-0.001878

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
1	0.061809	0.028024	0.03968	0.098533	-0.14903	-0.041224	0.111792	0.012378	-0.000626	-0.020942	-0.094898	0.002616	0.059509	-0.018446
2	0.073633	0.010217	0.10007	0.153534	0.017532	0.025752	-0.325065	0.054255	0.000046	0.010527	0.062239	-0.079642	-0.009402	0.093979
3	0.061709	-0.108425	-0.058973	-0.060632	-0.018222	-0.052088	0.12002	0.023511	0.029216	0.006395	-0.022789	0.038274	-0.112839	-0.010155
4	-0.0031	0.01397	0.060429	0.063868	-0.062419	-0.009459	0.09014	-0.005238	-0.032308	-0.04509	0.009296	-0.046023	0.041658	0.04058
5	-0.073093	0.027851	-0.083584	0.040124	0.040994	-0.057992	0.064997	-0.036446	-0.030364	0.013841	0.024033	-0.008974	-0.035763	-0.006
6	-0.018785	-0.015644	-0.050236	0.030347	0.023253	0.009155	-0.048435	0.018247	0.000243	0.009632	0.024261	0.01451	0.021681	-0.119171
7	0.055689	0.014266	0.016621	-0.046285	0.045818	-0.108586	-0.072371	-0.053614	0.058145	-0.082691	-0.094895	0.01208	-0.027565	-0.092141
8	-0.04278	0.040549	-0.08929	-0.04195	-0.065253	0.035056	-0.021226	-0.00012	-0.044396	0.064417	0.031058	0.002558	-0.0002	-0.001914
9	0.032651	-0.042184	-0.019455	-0.053441	0.018179	0.01061	-0.189462	0.013003	0.004019	-0.042226	-0.038402	-0.02622	-0.017454	0.012366
10	-0.027877	-0.08832	-0.020698	-0.055	-0.035791	0.054225	-0.02188	0.000235	-0.088561	0.037897	0.005711	-0.059606	-0.002526	-0.027254
11	0.107281	-0.028427	0.063339	-0.04439	-0.005218	0.02347	0.088633	0.042952	0.02517	0.015034	-0.021046	-0.014652	0.021151	-0.052582
12	0.012341	-0.011716	0.076463	-0.059548	-0.038152	0.018672	-0.043685	0.038478	0.079921	-0.018976	-0.036713	0.012065	0.025711	0.002826
13	0.033377	-0.035808	0.042702	0.013114	-0.045538	-0.148637	-0.063898	-0.009526	0.071085	-0.060643	0.081842	-0.007124	0.031561	0.037706
14	0.225923	0.074886	-0.244276	-0.108497	-0.054508	0.107561	-0.038011	-0.017611	-0.036996	-0.00288	-0.063078	0.01721	-0.056355	0.055294
15	0.025817	0.215561	0.048288	-0.08909	0.027849	-0.001439	-0.116778	0.004331	0.01501	-0.137579	0.031273	0.002965	-0.089508	0.096979
16	0.018245	0.054845	-0.050142	-0.001729	-0.015846	0.008215	0.063323	-0.052828	-0.031711	-0.001652	-0.036057	0.005682	-0.005343	0.018678
17	-0.039955	0.059221	0.09273	-0.050576	0.004454	0.062809	0.053351	0.003151	-0.030563	0.016029	-0.023654	-0.037003	0.006515	-0.095434
18	0.076762	-0.00176	-0.009508	0.050221	-0.047708	-0.10042	-0.057572	0.001106	-0.00624	0.015331	-0.011202	-0.000119	-0.007636	-0.00476
19	0.012838	-0.066263	0.0196	-0.034616	-0.024257	0.04367	-0.119212	-0.003905	0.07549	-0.006018	-0.084281	-0.06805	-0.004197	-0.041114
20	0.106797	-0.071945	-0.008618	-0.041587	0.124826	0.011228	0.09186	-0.002569	-0.121183	0.001417	-0.039015	0.00365	0.021261	0.102672
21	0.001165	0.130008	-0.085392	-0.040456	0.07323	0.032348	0.08445	0.025096	0.063758	0.000823	0.005471	-0.03041	-0.000206	-0.025874
22	0.0259	-0.108995	-0.019522	-0.015487	-0.076593	-0.03572	-0.017606	-0.030211	0.009745	0.006211	-0.047913	-0.013343	-0.025629	-0.04341
23	-0.0894	-0.010489	-0.118538	0.029033	-0.004764	0.081255	-0.007603	-0.007358	0.037599	0.031715	0.05774	-0.000852	0.009571	0.061826
24	-0.08535	0.079299	-0.05552	0.082046	0.047985	-0.053977	0.012226	-0.020681	0.040535	-0.037515	0.006059	0.056205	-0.033204	-0.010434
25	-0.108522	-0.077092	0.097237	-0.077053	-0.041818	-0.106135	0.060888	-0.005963	0.006253	0.023368	0.031236	-0.051352	0.036052	0.054376
26	-0.062535	0.055664	0.102828	-0.091656	-0.023579	0.130714	-0.107568	-0.010321	-0.089758	-0.009587	-0.059663	0.021773	0.00512	-0.093514
27	0.046755	-0.050041	0.238838	0.159209	-0.096301	-0.054121	-0.025591	-0.088147	-0.118567	0.071011	0.039593	0.082656	0.021982	-0.026304
28	0.095117	0.042402	-0.163254	-0.028671	0.053467	0.105035	-0.012742	0.042257	0.143305	0.031976	-0.024044	-0.016121	0.044305	-0.094898
29	0.039828	-0.065484	0.026117	0.01959	0.025027	0.019972	0.008542	-0.003733	0.014773	-0.059144	-0.008454	0.048343	-0.022219	0.027596
30	0.048351	0.065987	-0.087858	0.013747	0.086983	-0.086358	0.141602	-0.013427	0.057938	-0.020778	-0.013843	-0.005469	0.014358	-0.045279
31	-0.014194	0.06532	-0.063082	-0.02337	-0.05245	-0.097851	0.106259	-0.007233	0.00872	0.141598	0.0767	0.034698	0.122705	0.052664
32	-0.079813	0.100635	-0.05272	0.021369	0.020352	0.029775	0.010492	-0.011712	-0.010876	-0.039767	-0.0103	0.027245	-0.019111	0.004142
33	-0.071493	-0.026689	-0.003069	-0.044712	0.140117	0.013651	-0.032033	0.058726	-0.101397	-0.083574	-0.036072	-0.103102	-0.080201	-0.056394
34	-0.086265	-0.086311	-0.017954	-0.055461	-0.088708	0.01007	0.004537	-0.002761	-0.037699	0.091077	0.097851	0.004059	0.003473	-0.012745
35	0.028019	-0.059738	-0.069271	0.035618	0.002027	0.042318	0.02575	-0.01732	0.045897	-0.079735	0.015505	0.020322	-0.030096	0.023471
36	0.107614	0.028631	-0.009871	-0.096952	-0.110683	-0.019071	0.003558	-0.00891	0.054052	-0.004484	0.001562	-0.065502	-0.085735	0.020191
37	-0.008497	0.032758	0.001636	-0.026819	-0.061718	-0.070341	0.045335	-0.075243	0.010711	-0.072298	0.023611	0.036525	-0.00885	-0.003006
38	0.012824	-0.042725	0.012052	0.013695	0.044885	-0.02778	-0.026341	-0.014195	-0.01174	-0.045873	-0.054145	0.004574	-0.001249	-0.022287
39	-0.081931	-0.035774	-0.030119	0.014344	0.067502	0.03736	-0.129423	0.007322	0.003931	-0.058153	-0.039566	0.02548	0.034799	-0.000562
40	0.024653	-0.085108	-0.085895	-0.014991	-0.052312	0.150335	-0.05917	-0.036025	-0.037518	0.041261	-0.056807	0.044099	0.017477	0.002072
41	-0.008055	0.111697	0.133474	-0.135763	-0.056708	0.092366	-0.068668	-0.018418	-0.001806	-0.060584	0.072479	0.004005	0.07821	-0.037455

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
42	-0.054367	-0.14872	0.043006	0.007231	-0.018934	-0.063679	-0.015705	0.034514	0.08529	0.040914	0.081268	-0.024668	-0.089678	0.00179
43	0.048226	0.109096	0.015188	0.17232	-0.05793	-0.064557	0.06944	-0.036029	0.043394	0.06144	0.000128	-0.042009	-0.074465	-0.02975
44	-0.007805	0.02525	-0.05592	0.041009	-0.055145	0.001857	0.070401	-0.017308	0.022504	0.023874	-0.025775	0.001903	-0.004647	0.061129
45	0.012401	0.04762	0.015607	-0.012121	0.035074	0.067204	0.049106	0.01883	0.112718	-0.021781	0.024828	-0.009998	0.025407	0.116502
46	-0.071485	0.029697	-0.047811	0.039762	-0.041966	0.026293	0.085669	0.037672	-0.01702	-0.024327	-0.004877	0.005672	0.052672	-0.0246
47	-0.059364	-0.012101	-0.009073	0.119821	-0.117616	0.003348	-0.001085	0.062501	-0.108288	-0.203273	0.112467	0.017219	0.039168	0.017484
48	0.032503	0.070572	0.041099	0.038311	-0.038899	-0.074086	0.128308	0.020524	0.069804	0.006459	0.051548	0.004529	-0.016475	0.072908
49	-0.056856	0.011871	-0.016232	0.027697	-0.005995	0.055482	-0.170955	-0.025249	-0.10765	-0.033862	-0.141093	0.009465	-0.019039	-0.065496
50	0.041146	-0.1478	0.098535	0.155815	0.015937	0.034161	-0.058049	-0.023214	0.006684	0.140197	0.00646	-0.034567	0.072062	0.090914
51	0.007545	0.108743	-0.054935	-0.036204	-0.024003	0.080288	-0.045587	0.048074	0.092466	0.021918	-0.013647	0.069564	0.045783	-0.005103
52	0.04032	-0.143533	0.071548	0.038029	0.045109	-0.000389	0.105062	0.042145	0.094073	0.044787	-0.041603	-0.023171	0.055975	-0.031515
53	-0.018391	0.10682	0.069668	-0.122315	-0.039129	-0.039109	-0.006772	-0.006251	0.035802	-0.006316	-0.021341	-0.051738	-0.104961	0.015461
54	0.105344	-0.036396	0.046891	0.075308	0.025809	0.031282	-0.015582	-0.00972	0.00939	0.022011	-0.067509	0.061062	0.035266	-0.032308
55	0.127329	-0.079303	0.025955	-0.059202	-0.10611	-0.170292	-0.010942	0.055583	0.043267	-0.031621	-0.10244	0.051523	0.021523	-0.021632
56	-0.050817	-0.175538	-0.006003	0.064073	0.00392	-0.09963	0.030521	0.080313	-0.027815	-0.022244	-0.050455	0.016736	0.014165	-0.087075
57	0.117585	-0.031374	-0.002762	-0.048001	-0.112326	-0.059688	-0.037301	0.023605	0.056604	0.004093	-0.032935	-0.018994	-0.019871	0.014904
58	0.161753	0.00228	-0.100225	0.00137	-0.042976	0.000317	-0.031335	0.063245	0.000401	-0.040635	0.001352	-0.072587	-0.042704	-0.060089
59	-0.043531	-0.014759	-0.008887	-0.02221	-0.021142	-0.121947	0.018545	0.006061	-0.085339	0.055679	0.077933	0.028861	-0.010709	0.014841
60	0.014756	0.070083	0.004467	0.103918	-0.095656	-0.0206	0.092055	0.077059	-0.070104	0.058013	-0.009312	0.008517	0.061789	-0.017435
61	-0.118957	-0.05153	-0.07183	0.019498	-0.009045	-0.0811	-0.038774	-0.018342	0.028392	-0.005942	0.013305	-0.080063	-0.052116	0.003626
62	0.077467	-0.01967	-0.16295	0.004042	0.081184	0.028404	-0.134354	0.004372	0.161642	-0.06089	0.046713	0.016606	-0.069575	-0.090886
63	0.175847	0.075563	0.141582	-0.068941	0.035308	0.101367	0.011629	0.019896	-0.005033	0.000993	0.043997	0.049926	-0.009337	0.012672
64	0.037873	-0.079268	0.008126	-0.022644	-0.001571	-0.031142	-0.002393	0.014609	-0.023975	-0.024371	-0.030409	-0.046752	-0.04332	-0.064671
65	-0.030894	0.07487	-0.060226	-0.038959	0.065522	-0.041346	-0.004199	0.000566	0.023639	-0.089397	-0.000126	0.043857	0.037212	-0.012521
66	-0.01666	0.08843	-0.034363	-0.007098	0.118139	0.014067	-0.01238	0.035075	0.008826	0.012625	0.013241	0.036722	0.007388	0.017391
67	-0.043767	-0.010668	-0.03545	-0.018254	-0.056906	-0.057608	-0.077957	-0.031385	0.046937	0.059353	-0.008619	0.062397	0.073283	0.03904
68	0.035095	0.018142	-0.001866	-0.051843	0.073529	0.062147	0.031844	0.043308	-0.029265	-0.006543	-0.00089	0.008086	-0.023359	0.019394
69	-0.013274	-0.103112	-0.021569	0.021189	0.114724	-0.006646	-0.053289	-0.019914	0.072057	0.055085	-0.078419	0.056338	0.044046	-0.074435
70	-0.020547	-0.052552	0.010526	-0.054989	-0.055279	-0.024034	0.133667	0.046438	0.067804	-0.002592	0.024981	-0.016172	-0.02601	0.038808
71	-0.005923	-0.064406	-0.010284	-0.082833	0.041955	-0.098463	0.052468	-0.001655	-0.010571	0.034212	-0.022062	-0.038266	-0.032839	-0.037954
72	0.15739	-0.033045	-0.080025	-0.136284	0.027385	-0.067934	-0.143015	0.003221	-0.16075	0.097425	0.034969	0.023423	0.072474	0.004235
73	0.039222	0.01818	0.01712	0.082028	-0.103757	0.109378	-0.020952	-0.009256	0.005131	-0.0335	-0.05254	0.007819	-0.053161	-0.038191
74	-0.0413	0.017716	-0.070864	-0.061186	-0.089782	0.017214	-0.067871	-0.01393	0.020728	-0.013964	-0.089562	0.009892	0.004558	-0.063016
75	-0.192404	0.034783	-0.073343	0.037151	-0.025638	-0.025629	-0.007649	0.022603	-0.016542	0.024256	0.027251	-0.106371	-0.056762	-0.054357
76	0.019442	0.028165	-0.032654	0.078677	-0.005542	0.224582	0.009959	-0.061377	-0.065729	0.012672	0.066955	-0.046227	-0.004175	0.071595
77	-0.006858	-0.127539	-0.005505	0.015619	-0.075181	0.020115	0.01837	-0.038295	-0.126872	0.030044	-0.03911	-0.004324	0.030518	-0.018052
78	-0.038358	-0.003967	0.001773	-0.099481	0.104049	-0.126238	-0.085259	0.022619	-0.022914	0.018713	0.064265	0.101532	0.076578	-0.004892
79	0.061726	0.080888	0.141898	0.182739	0.003528	0.02211	0.019453	0.000688	-0.019497	-0.018187	-0.007521	0.068706	0.004045	-0.103257
80	-0.001606	-0.045227	-0.087229	0.018322	-0.076752	-0.049303	0.04523	-0.015786	-0.044151	-0.080996	-0.047092	0.019504	0.020748	0.020573
81	-0.016422	0.040216	0.130401	-0.084344	-0.0305	0.061772	-0.05724	0.0148	0.061542	0.045946	-0.037399	-0.005939	-0.000567	0.022494
82	-0.035753	0.067836	-0.021683	-0.111886	-0.098568	-0.126911	-0.108086	0.033709	0.097449	-0.039774	0.022009	-0.038826	-0.003953	-0.079605

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
83	-0.206807	0.028512	0.019651	-0.081424	-0.163874	0.130147	-0.179295	0.006889	0.08089	0.040738	0.01969	0.001084	0.022721	-0.001261
84	0.129712	-0.014929	-0.106332	0.201062	0.28927	-0.077371	-0.064459	-0.028502	0.029469	-0.008371	-0.075487	-0.063186	0.020315	-0.013159
85	0.005492	0.069781	0.028306	-0.066117	-0.033978	0.034174	0.191016	0.006672	-0.051646	-0.039389	-0.009314	-0.107884	-0.050804	0.027264
86	-0.03927	-0.00248	0.024207	0.061271	0.028896	-0.085607	-0.068447	-0.016786	-0.009437	-0.009523	-0.006493	0.069498	0.003747	0.034827
87	-0.090624	-0.079548	0.082932	-0.001482	0.072378	0.077897	0.067921	0.085082	0.11309	-0.053553	-0.026099	-0.00924	-0.042696	-0.009768
88	0.135415	-0.034122	0.034791	0.015637	-0.024435	-0.089575	-0.047814	0.022622	-0.002376	0.018176	0.080729	-0.041791	-0.054952	0.066057
89	-0.117627	-0.09314	-0.122111	-0.000388	0.09588	0.220826	0.062021	-0.069142	0.034559	0.043296	0.09196	0.028051	0.027817	0.027423
90	0.067958	-0.098439	-0.011306	0.154856	-0.040807	-0.01484	-0.065311	0.075549	0.028172	0.006757	0.021735	0.015861	0.040033	0.037442
91	0.089421	0.048736	0.058924	-0.00396	-0.083362	0.129147	0.207545	-0.038318	-0.106021	-0.00554	-0.120155	-0.030764	0.012129	-0.071769
92	-0.088968	0.047804	-0.074349	0.139947	-0.005349	-0.080211	0.047279	-0.000493	0.074556	0,01747	-0.010123	-0.012671	-0.009206	0.037281
93	-0.083202	0.013293	0.109574	0.050107	-0.095002	0.069801	-0.077228	0.005614	0.048671	0.004235	-0.018444	0.038952	-0.031612	-0.040743
94	0.07953	0.117217	-0.026181	0.051507	0.196614	-0.051548	-0.000674	0.079391	-0.042811	-0.009261	-0.087995	-0.02009	-0.008821	0.005555
95	-0.017322	-0.008211	-0.037114	0.11194	0.011836	-0.000816	-0.03712	0.041217	-0.025982	-0.037346	-0.017959	0.017497	-0.013954	-0.027103
96	0.079474	-0.070038	0.029534	0.010111	0.049279	0.059636	-0.011136	-0.051585	-0.020008	-0.032206	-0.021307	-0.014869	0.029381	0.037689
97	0.116033	-0.147995	-0.138292	-0.074362	0.004181	0.11575	-0.008718	0.037851	-0.084094	0.060089	-0.030495	-0.023636	0.023	-0.022835
98	-0.027756	0.076668	0.089555	-0.036984	0.057264	-0.235458	-0.094023	-0.025873	-0.209538	-0.018	0.007744	0.015309	-0.037899	0.028984
99	-0.130223	0.124596	-0.00663	0.091838	-0.08315	-0.02131	-0.115769	0.049103	0.067682	0.058749	-0.071927	0.11315	0.075201	0.006028
100	0.042957	0.002772	-0.114478	-0.05183	0.004532	-0.029359	0.000886	-0.085329	0.077996	0.058441	0.077981	0.010117	0.053643	-0.010049
101	0.037191	0.042848	0.01751	0.159184	0.050737	0.082877	-0.079232	-0.035342	-0.055019	0.03864	0.127737	-0.013276	-0.042671	-0.043288
102	0.04266	0.080224	0.018573	-0.048764	-0.056805	-0.032093	-0.051505	0.010134	-0.031447	0.101483	0.077247	0.064024	0.024248	0.065829
103	0.014467	-0.029089	0.044537	0.033978	0.027468	-0.129243	0.03678	-0.076309	0.016225	-0.007689	0.009095	-0.043512	-0.049399	-0.002996
104	-0.032774	-0.052869	0.13419	-0.0637	0.066744	0.023347	0.064634	-0.005047	-0.022723	0.000359	0.005731	0.014591	0.040869	-0.047795
105	-0.016336	0.043916	0.034385	-0.052065	-0.057741	0.004931	0.006888	-0.007654	-0.022742	0.04114	-0.044209	-0.004244	0.012471	-0.02385
106	-0.004285	-0.027049	-0.043138	0.028545	-0.07254	0.075592	-0.074135	0.03415	0.016301	-0.009966	-0.075688	-0.022328	-0.068484	0.042969
107	-0.04823	0.010473	0.027726	-0.034473	-0.056892	-0.023131	-0.075433	-0.004632	0.007154	-0.086389	-0.044615	-0.067438	-0.064245	-0.027964
108	0.007327	0.101862	-0.000231	0.047266	-0.077599	-0.091201	-0.025843	0.021896	0.032178	0.066093	-0.05456	-0.025128	-0.011868	-0.052143
109	0.066484	-0.079032	-0.006156	-0.018617	0.018939	-0.01219	0.033551	-0.005325	0.03545	-0.030214	-0.040078	-0.043335	-0.013074	0.013918
110	-0.074538	0.025216	-0.023143	0.013446	-0.001734	0.046669	0.040516	-0.016476	0.016765	0.005039	0.002969	0.016616	-0.015404	-0.004742
111	-0.065174	0.043843	-0.013414	-0.025963	0.040473	0.074622	0.025941	0.004845	-0.079127	-0.05476	-0.038955	-0.022014	-0.017913	-0.009255
112	-0.018614	-0.057989	0.03119	-0.018592	0.077979	0.019743	-0.029767	0.008956	-0.001878	-0.066029	-0.015669	-0.015339	-0.03118	0.058589
113	0.036996	0.02852	0.051236	-0.025314	0.005673	0.025801	-0.012892	0.03151	0.066235	0.017437	0.048648	-0.008646	-0.000063	0.013209
114	0.040095	0.06534	-0.077707	0.110848	-0.001702	0.013764	0.059287	0.048592	0.002807	0.006463	0.006382	-0.020074	-0.069877	0.082575
115	0.038447	-0.110698	0.054153	0.05357	-0.004166	0.051684	0.033362	-0.047023	-0.00784	0.010446	0.094132	-0.021537	0.029034	0.058636
116	0.008166	-0.025133	0.071587	-0.057884	-0.001873	0.004599	0.038466	0.009374	0.03078	0.033008	0.098236	-0.02914	-0.021525	0.002954
117	0.020246	0.007397	-0.073784	0.014313	0.005054	-0.0718	-0.06608	-0.023478	-0.076038	-0.00958	-0.003537	-0.04923	-0.041166	-0.017605
118	-0.016184	-0.094824	0.032546	0.099703	-0.073702	0.020662	0.040298	-0.038707	0.021885	-0.05369	-0.04102	-0.034529	-0.031302	-0.038846
119	-0.123362	0.051558	0.017677	0.04804	0.031752	-0.04188	-0.035102	0.071733	0.052059	-0.008287	-0.086104	0.065121	0.052276	-0.021453
120	0.005493	0.051693	-0.013026	-0.077641	0.00646	0.020477	-0.021134	-0.060633	-0.084287	0.09097	0.011593	0.043472	0.073046	0.038905
121	-0.122582	0.030381	0.006301	0.013445	-0.046576	0.042317	0.122592	0.016897	0.001239	-0.014424	-0.128102	-0.022913	-0.0484	-0.104264
122	-0.076413	0.016064	-0.089181	0.014956	0.044789	-0.045631	0.049744	0.020443	-0.001406	-0.022229	0.107172	-0.027577	0.011805	0.023705
123	0.063426	-0.017916	0.095522	-0.018837	0.09106	-0.016482	-0.112395	-0.050082	-0.002676	0.021394	0.012802	-0.031849	0.020673	0.002409

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
124	0.091523	0.005689	0.121638	0.031877	-0.008989	0.21397	-0.026012	-0.015529	-0.053064	-0.042373	-0.107998	-0.033645	-0.03788	-0.073376
125	0.029927	-0.054365	0.040652	0.001183	0.076611	0.059639	-0.031011	0.047886	0.042746	-0.112841	0.015862	0.055952	0.031003	-0.077699
126	0.005935	-0.045077	-0.031887	-0.134408	0.019635	-0.008773	0.001176	0.046323	-0.090518	-0.042331	0.103459	0.038945	0.001157	0.115707
127	0.089627	0.124135	-0.024381	0.068859	-0.037178	-0.038723	-0.021378	-0.093239	0.17133	0.099152	-0.027921	0.043784	0.028416	-0.054665
128	-0.044262	-0.009234	0.052986	-0.106721	-0.054047	-0.104698	-0.121566	0.04345	-0.045113	-0.012442	-0.180459	0.047287	0.008424	0.000809
129	-0.038779	-0.076028	-0.011532	-0.009411	-0.03547	0.075498	-0.010835	-0.006018	0.007862	-0.031971	0.030165	0.051696	0.009941	0.002445
130	-0.026763	0.030133	-0.000721	0.016339	-0.031798	0.023461	-0.015508	0.016055	-0.000611	-0.018902	0.029193	0.030921	-0.019612	0.055087
131	-0.054727	-0.035849	0.112132	0.017309	0.01517	0.024564	-0.038542	0.031618	0.00723	-0.007328	0.050206	0.021457	0.025251	0.039182
132	-0.003892	0.068505	0.077415	0.045918	0.102083	0.051788	0.038308	-0.007235	-0.041581	0.087809	0.026481	-0.040641	-0.040582	0.005849
133	0.040069	0.038835	0.019056	-0.00218	0.07639	0.007044	0.089648	0.059234	0.085053	-0.061154	0.10954	-0.006851	0.01254	0.073548
134	0.019992	0.029469	-0.026455	-0.021021	-0.081422	-0.059427	0.034554	0.083481	-0.076987	0.014996	0.008517	0.04524	0.027594	0.060635
135	-0.043437	-0.100998	-0.050793	0.085897	-0.073692	0.054204	-0.007401	0.05718	0.071007	-0.028665	0.087773	-0.004618	0.083358	0.080937
136	-0.064693	-0.035763	-0.0504	-0.020853	-0.025659	-0.096464	0.019042	-0.071922	-0.034061	-0.030258	-0.049206	-0.012	-0.038852	-0.003119
137	-0.004455	0.00863	-0.085115	0.025464	-0.079253	0.033475	0.075962	-0.064297	0.041472	0.07291	0.027669	-0.032024	0.066872	0.011177
138	-0.038988	-0.081694	-0.079076	-0.060755	-0.013807	-0.010039	0.009473	-0.064086	-0.034325	0.034558	0.043102	0.001369	-0.000036	-0.002839
139	0.000406	-0.016382	0.037173	0.004738	-0.034229	-0.015006	-0.006473	0.009896	0.027984	-0.031308	0.002558	-0.004555	-0.039967	0.04382
140	0.037082	-0.041088	-0.046913	0.069994	-0.043668	-0.053939	-0.050112	-0.020626	-0.036254	-0.018557	0.017504	-0.031719	0.021561	-0.064294
141	-0.001939	-0.001934	-0.061012	0.062244	0.010959	-0.036858	0.009906	0.02283	-0.018818	-0.017716	-0.060248	0.002928	-0.003497	0.02116
142	-0.040676	0.066776	-0.060526	0.061111	0.015528	-0.058151	-0.02722	-0.05258	0.029406	0.050402	0.00025	0.033601	0.023482	-0.010639
143	-0.032553	0.005586	-0.05643	0.035572	-0.069065	-0.018712	0.017263	0.007005	-0.070942	-0.00335	0.009593	-0.03013	-0.002125	-0.008918
144	0.043191	0.020809	0.022583	0.002024	0.009082	0.013283	0.006865	0.031509	-0.08019	-0.035824	-0.011874	-0.015926	-0.027687	-0.010715
145	0.021635	-0.021967	-0.014153	0.008594	-0.096039	0.030971	0.025512	-0.016143	-0.015403	0.019439	-0.008922	-0.023897	-0.021539	-0.020588
146	-0.000777	-0.026326	-0.03599	-0.009648	-0.04695	0.01737	0.02766	-0.038168	0.017094	-0.008839	0.003616	-0.032603	-0.035908	-0.018398
147	-0.033127	0.048837	0.020651	0.017146	0.014701	-0.023271	-0.063861	-0.033963	0.028676	-0.002519	-0.074638	0.054305	0.04013	-0.01362
148	0.049514	0.075092	-0.035912	-0.10494	0.013427	0.030696	0.003998	-0.03113	0.045524	0.031949	-0.023794	-0.029446	-0.003283	0.027197
149	-0.01327	0.02162	-0.001366	-0.029536	-0.068068	0.073733	-0.018948	0.016011	0.050109	-0.028105	0.068406	0.020648	-0.018628	0.036205
150	0.029087	0.001251	-0.013166	-0.079574	0.010748	-0.035342	0.041698	0.024247	-0.054202	-0.008717	-0.083783	-0.029212	0.002354	-0.041897
151	-0.02855	-0.004871	-0.037674	-0.052261	0.038792	0.057394	0.009144	0.053042	-0.024609	0.017998	0.007671	0.034901	0.035271	-0.011857
152	0.056246	-0.070117	-0.043879	-0.052406	0.086468	0.011313	-0.034673	-0.003696	0.053979	0.006886	0.093946	0.003409	0.029908	0.022568
153	0.021107	-0.003049	0.07844	-0.04261	-0.016643	-0.025926	0.026644	0.017084	0.034418	-0.000817	0.056114	-0.046439	-0.027065	0.037935
154	0.04083	0.001529	-0.030884	0.050246	0.001978	-0.005764	0.047433	-0.000513	-0.02391	-0.016856	-0.0094	-0.009671	0.001416	-0.016746
155	0.020624	-0.030656	-0.002768	-0.047079	-0.019052	-0.019229	0.017105	0.052402	0.053091	0.058502	0.085813	0.019013	0.038739	0.04027
156	-0.030881	-0.002184	0.018212	0.013097	0.000825	-0.012106	-0.006799	-0.025347	0.021699	0.026835	-0.034327	-0.003266	-0.030767	0.023977
157	-0.023466	0.046406	-0.039499	-0.011344	-0.012257	0.004914	0.049262	0.009152	-0.034804	-0.017927	0.032415	0.032228	-0.021545	0.033053
158	0.056302	-0.009912	0.044425	0.001799	0.019653	0.029915	-0.009028	-0.00384	-0.038855	0.037017	0.053368	0.037519	0.010603	0.028541
159	0.018352	-0.011126	0.004338	0.038242	0.00717	0.038025	-0.04508	-0.016496	0.013211	-0.009913	-0.003707	-0.014824	-0.02158	-0.032011
160	0.005283	0.011432	0.00763	-0.015866	0.05324	0.002037	0.004277	-0.016118	-0.045235	0.039529	0.029833	0.033995	0.048969	-0.001334
161	0.071744	0.088319	-0.093207	0.021808	-0.010575	0.007582	-0.029468	0.004258	-0.00445	-0.023426	0.016849	-0.036528	-0.054769	0.01903
162	-0.023133	0.003833	-0.023535	-0.080779	-0.02143	-0.018231	0.053091	-0.032733	0.058655	-0.000172	-0.004337	-0.002645	-0.020366	0.000781
163	-0.003149	0.050674	-0.059687	0.02043	0.058605	-0.037514	-0.038192	0.005	-0.013071	0.012944	-0.008775	0.009395	0.031013	0.022824
164	-0.099818	-0.032997	0.073612	-0.009758	0.065541	0.031861	0.037022	0.00062	-0.002277	-0.001085	-0.056248	0.00385	-0.004663	-0.011311

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
165	-0.121334	-0.006728	-0.014562	0.019733	0.026368	-0.027446	-0.075737	-0.011793	-0.01491	0.055638	-0.011983	0.011568	0.006417	-0.025554
166	0.05961	0.005037	0.023446	-0.071753	-0.054092	-0.033489	-0.03916	0.04326	-0.001617	-0.011793	0.062433	0.012957	-0.00789	-0.039171
167	0.070159	0.006008	0.122578	-0.009221	0.033778	-0.007757	0.000058	-0.010107	0.022351	-0.010559	0.040515	0.007598	-0.043035	-0.00714
168	0.008511	0.008623	0.040932	0.081185	0.053759	-0.054881	0.02833	-0.039242	-0.036199	-0.094581	0.000431	-0.01842	-0.018962	0.010268
169	-0.034955	-0.01018	0.006948	0.003461	-0.027916	0.0088	0.03058	-0.027449	0.058102	-0.007833	-0.026145	-0.006943	-0.027992	-0.00747
170	-0.019741	-0.008642	0.006291	0.01622	-0.004375	-0.033375	0.045413	-0.003833	0.062231	0.004654	-0.010724	-0.02359	-0.035375	-0.010978
171	-0.036169	-0.032936	-0.019047	-0.001178	-0.03463	-0.000592	-0.009625	-0.055294	-0.004278	0.001338	-0.020786	-0.000378	-0.028955	-0.01528
172	-0.007357	0.009562	-0.038112	0.061007	-0.036337	0.009967	-0.020921	-0.02013	0.05798	0.016018	-0.026969	-0.017852	-0.022495	-0.014343
173	0.001355	-0.019753	-0.027811	-0.006204	-0.028849	-0.030979	-0.01567	0.002948	-0.024207	-0.027514	0.014118	-0.037734	-0.046111	-0.011209
174	0.007667	0.034495	0.025226	0.062324	-0.002619	-0.004879	-0.018079	0.011142	0.016869	0.007414	-0.022687	0.001029	-0.018451	-0.016243
175	-0.009049	0.065107	0.003588	-0.057014	-0.005478	0.015446	0.04573	0.036518	0.014003	-0.012883	-0.003167	-0.005514	0.02871	0.045576
176	-0.021249	-0.053468	-0.013832	0.012667	0.048363	0.017141	0.037692	-0.015443	0.0415	0.002969	0.05534	0.016906	-0.020855	0.010681
177	-0.004043	-0.086427	-0.041567	-0.051599	0.009021	-0.044714	0.022103	0.018273	-0.006689	0.038282	-0.005649	-0.019436	-0.018027	-0.018486
178	0.061712	0.010989	-0.010499	-0.067655	-0.053472	0.03895	-0.031132	-0.039344	-0.039307	0.020662	0.005327	0.001296	-0.003809	0.000072
179	0.020793	-0.017359	-0.011718	0.021945	-0.043548	0.025354	-0.012244	-0.100861	-0.051275	0.029582	0.002084	0.012636	0.028727	-0.002699
180	0.047818	-0.02948	-0.008908	-0.034511	-0.010632	0.040301	0.007053	-0.054218	-0.009352	0.01454	-0.009278	-0.00455	0.016539	-0.020975
181	0.012936	-0.032703	-0.00851	-0.046074	0.009048	0.020586	0.012159	-0.026485	-0.029191	-0.000485	0.016797	-0.008531	0.007275	-0.0089
182	0.016384	0.02239	-0.018654	-0.015482	0.028257	-0.034179	-0.004918	0.006938	-0.023216	-0.020069	-0.013125	-0.005609	0.012511	-0.027327
183	-0.016368	-0.00308	0.029548	0.022345	-0.019294	-0.001151	0.005828	-0.051458	-0.000392	0.001408	-0.013965	0.028792	0.025832	0.010052
184	-0.020548	-0.002431	0.033698	-0.027711	0.006575	-0.031789	-0.066898	-0.048201	0.053851	0.001971	0.043769	0.026715	-0.034238	0.009566
185	-0.077093	-0.002898	-0.019364	-0.030418	-0.059187	-0.054713	0.006565	0.019753	-0.005935	0.007992	0.021707	0.003627	0.006668	0.023817
186	-0.022651	-0.034582	-0.011668	-0.054821	-0.004924	0.053958	0.024685	-0.020073	-0.059961	-0.014933	-0.017491	-0.032756	-0.008392	-0.057988
187	-0.010548	-0.01849	-0.001664	-0.019524	-0.037432	-0.002	0.014342	0.027899	0.024342	-0.045267	-0.008042	0.013314	-0.014375	-0.052489
188	-0.009632	0.005643	0.000653	0.009102	0.000427	-0.020256	0.01133	0.004707	0.039893	0.007617	-0.026858	0.019142	0.009125	-0.007322
189	-0.045125	0.020765	0.048702	0.029687	0.055318	0.011797	-0.021366	-0.02784	0.028452	-0.022179	-0.008057	0.011999	0.015568	0.021777
190	0.037218	-0.039308	0.049281	-0.001846	0.001345	-0.012713	-0.014843	0.002102	0.027342	0.012936	-0.018343	0.035967	0.052159	0.01161
191	0.049787	-0.00269	0.019185	0.018448	-0.018467	-0.000046	-0.038818	-0.009084	0.041684	-0.00364	-0.026122	-0.002119	0.005757	-0.017749
192	0.035276	0.079781	-0.021005	0.042555	0.0054	-0.007008	0.008118	-0.038156	-0.005542	0.030265	0.01392	0.000202	0.031685	0.030736
193	0.001001	0.027056	-0.045979	-0.039434	-0.042613	0.031767	0.010985	0.008123	-0.102314	-0.01378	-0.002173	-0.032182	-0.038366	0.005342
194	0.027634	-0.098743	-0.08903	-0.005818	0.017471	0.078652	0.010897	-0.009647	0.054354	-0.022723	-0.034266	0.029789	0.07427	0.02367
195	0.015516	-0.02646	-0.019652	0.043997	0.033986	-0.029799	0.026978	-0.001864	-0.008646	0.014743	0.005137	-0.007828	0.01434	0.014716
196	-0.011049	0.065966	0.005724	-0.01551	0.044181	-0.015352	-0.055378	-0.051515	0.001208	0.045637	0.021348	0.01015	-0.003294	0.024197
197	-0.033752	-0.046125	0.000371	-0.01624	-0.01882	0.019409	-0.017202	0.008339	0.051446	-0.031503	0.032537	-0.027582	0.000161	0.051072
198	0.008382	0.001443	-0.00532	0.010076	0.059505	-0.069424	0.014754	0.027081	-0.028353	-0.051775	0.014782	-0.020247	-0.038852	-0.003975
199	-0.021015	-0.008585	-0.028017	-0.057981	0.014497	-0.044864	0.015263	0.019681	-0.057691	-0.036953	-0.005995	-0.021092	-0.008792	0.030809
200	-0.002813	-0.016022	-0.037274	0.020099	-0.043905	0.036023	-0.00965	-0.027728	-0.026721	0.058583	0.011046	0.053597	0.030783	-0.021401
201	0.033054	-0.063229	-0.018546	0.025789	-0.04465	-0.069156	0.000357	-0.002683	0.006474	-0.009502	-0.00853	-0.001253	-0.014586	0.020109
202	0.072712	-0.071876	-0.037573	0.026253	-0.092871	0.008026	0.008713	0.00889	0.040838	0.035667	-0.019739	-0.023008	0.033541	-0.04015
203	0.044856	-0.039458	0.002186	-0.049047	0.044982	-0.034889	-0.002529	0.016981	0.053998	-0.018431	-0.032484	0.020581	0.029291	0.029133
204	-0.012287	0.00659	-0.073589	0.027635	-0.016015	0.049362	0.007324	0.033642	-0.007026	-0.0148	0.010025	-0.00472	-0.001973	-0.02602
205	0.051679	0.026619	-0.012494	-0.015637	-0.031073	-0.021561	0.062871	0.020576	-0.022918	0.003031	-0.030988	-0.004315	-0.01125	0.006897

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
206	-0.088396	-0.042246	-0.035289	-0.048498	-0.010685	-0.00944	-0.057801	-0.008818	0.003116	0.010076	0.01328	0.036778	0.018655	0.036865
207	0.252282	0.005651	0.018269	-0.06477	-0.081509	-0.01804	-0.034322	0.000514	0.02668	-0.010029	0.035726	0.002841	0.031595	-0.031683
208	0.008127	0.367231	-0.039993	-0.01269	-0.035774	0.03245	-0.006211	0.012457	-0.044164	0.033031	-0.009461	-0.053721	0.025859	-0.020449
209	-0.045575	-0.001141	0.260151	-0.022844	0.049114	0.03073	0.0395	0.003842	0.047182	0.023855	0.029204	-0.008474	0.002523	0.020298
210	0.017859	0.035359	-0.04653	0.28655	-0.059123	-0.003306	-0.054857	0.013534	-0.016562	0.013785	0.032309	-0.00148	-0.019679	0.035679
211	-0.040489	0.017164	0.038028	-0.038457	0.359913	0.015465	0.0415	-0.0299	-0.015767	0.047617	-0.001467	-0.0303	-0.007962	-0.008744
212	-0.041677	0.024512	0.004476	0.023582	-0.018419	0.174899	-0.002061	0.01572	-0.010152	0.025918	0.039803	0.027174	0.008438	0.046751
213	-0.011665	0.024895	-0.020174	0.016279	-0.019363	-0.007806	0.178298	0.007611	-0.033948	0.00162	-0.02962	0.031084	0.007604	0.010173
214	0.007672	-0.004387	-0.009699	0.012901	-0.007726	0.029492	-0.010409	0.823788	-0.03373	0.062362	-0.009326	-0.005267	0.00656	-0.006592
215	0.01461	-0.013315	0.074663	-0.063427	-0.009359	-0.000402	0.024393	-0.048307	0.473764	0.006859	-0.028065	-0.037139	-0.036794	0.029758
216	-0.034368	-0.013214	0.021054	-0.036507	0.096152	-0.022394	-0.008735	0.053045	0.005002	0.678311	-0.061801	-0.022236	-0.09447	-0.034565
217	0.038044	0.039063	-0.011483	0.026301	-0.014727	-0.009241	-0.023083	0.005169	-0.038366	-0.045966	0.594036	0.01329	-0.033974	-0.148635
218	0.026656	-0.041989	-0.017466	-0.037301	0.017062	0.001248	0.081424	0.007102	-0.011439	-0.043573	-0.011758	0.811471	-0.105015	-0.012795
219	-0.014528	0.013826	0.008534	-0.039684	0.041333	-0.040573	0.022657	-0.008349	-0.004979	-0.099394	-0.024549	-0.097687	0.778828	-0.016986
220	-0.013182	-0.003271	0.00909	0.00397	-0.013541	0.001656	-0.028021	-0.002972	0.004399	-0.014295	-0.177738	-0.00341	-0.028019	0.706315
221	0.013061	-0.006859	0.036582	0.02967	-0.022045	0.039767	0.006353	-0.017748	0.034548	-0.02756	0.027409	-0.036135	-0.035669	0.010528
222	-0.003315	-0.025903	-0.018852	0.001672	0.018212	-0.001623	-0.018898	0.002268	-0.004952	-0.013688	0.011286	-0.020917	-0.036727	0.000583
223	-0.026101	-0.01431	0.031916	0.001667	0.057696	-0.020578	-0.003796	0.023942	-0.029338	-0.051583	-0.00271	-0.037078	-0.051385	-0.047013
224	0.014925	-0.024813	0.036156	-0.015126	0.050043	-0.013924	0.027069	-0.012379	0.017799	-0.005088	0.03996	-0.037334	-0.020284	0.006256
225	0.011686	-0.006836	0.022622	-0.019519	0.021583	-0.042775	0.039881	0.011306	0.00986	0.003123	0.057486	-0.018455	0.001366	0.016749
226	0.016301	0.016263	0.000504	-0.022869	-0.024457	-0.028985	0.031485	0.002839	-0.037519	0.035742	0.04717	-0.007571	0.008737	0.033037
227	0.040545	0.034717	0.024652	-0.053316	0.008787	0.05052	-0.010422	-0.048581	0.005013	0.027553	-0.015825	0.047697	0.038202	0.009375
228	-0.058533	-0.013136	0.024497	-0.044684	-0.057097	-0.039453	-0.020032	-0.013696	0.045055	0.038089	0.049307	-0.034464	-0.006385	0.022145
229	-0.023673	0.006293	-0.01423	0.007941	0.016322	-0.048297	0.00047	0.013931	0.010328	-0.018428	-0.008151	0.01943	0.019515	0.015768
230	-0.032773	0.010992	0.014125	0.001813	0.018634	0.040777	0.020757	-0.014544	-0.050351	-0.073574	0.022476	0.004024	0.016925	0.015856
231	0.057374	-0.030225	-0.01892	-0.006988	0.015253	0.045157	-0.005982	0.038844	0.093815	-0.031022	0.017272	0.066286	0.040785	-0.010209
232	0.032477	0.056675	0.038461	-0.024226	0.044575	-0.002676	-0.025606	-0.038896	0.019012	0.062359	-0.011219	0.017429	-0.009878	-0.06224
233	0.031689	0.004436	0.018022	0.014496	-0.002852	-0.024944	-0.042789	-0.001831	0.033934	0.0034	-0.022675	0.011845	0.020454	-0.000401
234	0.018833	-0.045566	0.008638	-0.015453	0.016544	-0.067553	-0.034951	-0.000543	-0.059411	-0.007206	0.063508	0.002649	-0.02507	0.020887
235	-0.000209	-0.023709	-0.046754	0.08284	-0.040995	0.056477	-0.007652	-0.027002	-0.035477	0.082496	0.046568	0.050342	0.024131	0.011042
236	-0.009133	-0.010852	-0.041682	-0.018286	0.006895	-0.008791	0.026186	0.020968	0.000406	-0.021557	-0.013058	0.017813	0.035975	-0.012143
237	-0.050723	0.007494	-0.028467	-0.032289	0.018946	0.001654	-0.016053	0.013472	0.025594	-0.006678	-0.003298	0.005254	0.026797	0.041498
238	0.008971	-0.003193	0.008479	0.026214	0.032829	0.001434	0.004035	-0.017272	0.011834	-0.020956	-0.014713	0.049827	-0.044139	0.017622
239	0.007642	-0.025067	-0.032632	0.017801	0.010689	0.008895	-0.028338	-0.010433	-0.007086	-0.037373	-0.004504	0.041295	-0.03358	0.039842
240	0.008324	-0.031821	0.051014	0.047969	-0.00952	0.016123	0.014288	-0.007643	-0.003355	-0.000468	-0.012176	0.00319	0.01991	0.019583
241	0.016565	0.059123	0.052755	0.04013	0.045973	-0.016231	-0.001344	0.026588	-0.000126	-0.004432	-0.004411	0.015484	0.017192	0.023643
242	-0.011467	0.006238	0.004485	0.039738	-0.000246	0.014305	-0.027221	0.054803	-0.013781	-0.032994	-0.015106	0.017461	0.025168	-0.041481
243	-0.015849	0.016785	0.059517	-0.022555	-0.014194	0.011613	0.026437	0.03884	-0.039814	-0.039093	0.001446	0.000405	-0.052829	-0.009154
244	0.042847	-0.015184	-0.010796	0.007419	-0.049356	0.027573	-0.022463	0.01078	0.03026	0.046808	0.0171	0.032201	0.066357	0.012543
245	0.055685	-0.044956	-0.010484	-0.008778	0.018144	0.068685	-0.057819	-0.035529	-0.083057	0.031873	-0.005341	-0.016514	0.009557	0.062326
246	0.005996	0.0274	0.00477	-0.037669	-0.021558	0.028437	-0.002568	0.010118	0.001387	0.003991	0.037772	-0.016488	0.008071	-0.041252

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
247	0.039708	0.053469	0.032234	0.003421	-0.013493	-0.005962	-0.002609	-0.019066	-0.006066	0.034134	0.005358	0.036534	0.016002	-0.003103
248	0.002675	0.01214	-0.00061	0.009646	-0.022757	-0.01626	0.031886	0.006253	-0.040962	-0.000788	-0.002415	-0.00908	-0.024309	-0.011672
249	-0.016348	-0.009926	0.028359	0.049962	-0.025578	-0.021017	0.048502	0.033109	0.051037	0.020569	-0.018279	-0.012902	-0.011797	-0.016271
250	0.00886	0.03269	0.042351	-0.013166	0.000994	-0.020251	0.033251	0.025859	0.007919	-0.006572	-0.007906	-0.001831	0.008133	-0.019211
251	-0.0051	-0.046136	-0.000204	0.020809	0.034865	0.053558	0.008867	-0.01122	-0.068817	0.023202	0.015827	0.013457	0.011732	0.024643
252	-0.046307	0.008592	-0.003548	0.062365	0.03712	0.057176	-0.005449	0.003955	-0.004324	-0.016495	-0.0052	0.005738	0.01663	0.0713
253	-0.008917	0.004536	-0.036641	-0.026132	-0.001115	0.023546	0.049261	0.003823	-0.00528	-0.05165	-0.001602	0.00321	0.012152	-0.009354
254	-0.019021	-0.017413	-0.020531	0.036371	-0.050711	-0.027935	-0.011385	0.06303	0.045571	-0.021308	0.030681	0.019694	0.023272	-0.007128
255	0.052554	0.000774	0.045514	0.037729	-0.041391	0.00912	-0.012346	0.043839	0.050111	-0.015454	0.030871	0.026238	0.022415	-0.020188
256	0.001112	-0.036635	0.031987	-0.009106	0.037424	-0.067732	0.004026	-0.00338	-0.001793	0.024354	0.024165	-0.004349	0.008782	0.007044
257	-0.001212	-0.020331	0.019002	-0.017269	0.015912	-0.005467	0.005994	-0.009296	0.004947	-0.004322	0.034077	0.022242	0.009794	0.022118
258	0.049808	0.006137	-0.002052	0.016558	-0.050256	0.018072	0.005857	0.031713	-0.0056	-0.007494	0.012934	0.008048	0.030702	0.034118
259	-0.011267	-0.021604	0.000881	0.016823	-0.00737	0.021154	0.014992	0.008755	-0.033938	-0.007781	-0.01236	-0.033759	-0.020477	0.001192
260	-0.055045	-0.003987	-0.024307	-0.012114	0.00857	0.034887	-0.023142	-0.015421	-0.032468	0.003766	-0.01615	-0.007429	0.008265	0.004651
261	-0.057013	-0.001486	0.029804	0.011525	0.015773	0.038775	-0.015846	-0.003216	-0.004203	-0.012045	-0.022114	0.00596	-0.003559	0.027603
262	-0.021808	0.001611	-0.035234	0.039464	-0.018347	-0.026079	-0.001409	-0.011297	0.020989	-0.022826	-0.049619	0.018422	0.030896	-0.041721
263	-0.014557	-0.01612	-0.04153	-0.005236	-0.019661	-0.017713	0.010438	0.008569	0.017329	-0.056283	-0.013255	-0.009428	-0.014025	-0.025535
264	-0.008327	-0.03878	-0.027317	-0.030269	-0.02018	-0.011492	-0.029734	0.003665	-0.028626	-0.000888	0.019257	0.037291	0.024535	0.001468
265	0.036189	0.031671	0.004563	0.056789	-0.024127	-0.010379	-0.01461	-0.005995	-0.06146	0.009752	-0.044776	0.027147	0.045098	-0.030981
266	-0.012325	0.013672	0.019554	0.025686	-0.00612	-0.067464	0.004387	-0.021215	0.011347	0.004988	-0.042832	0.024587	0.027005	-0.036955
267	0.058027	-0.014316	-0.006661	0.008957	-0.006751	0.040292	0.010427	-0.00728	-0.010094	-0.008336	0.004199	-0.030903	-0.006493	-0.004954
268	-0.000996	0.036411	0.003174	-0.011246	0.001641	-0.03092	0.004431	0.001365	-0.00416	0.012868	0.053592	0.001928	0.005831	0.017909
269	-0.040463	0.048291	-0.013265	0.014569	0.019693	-0.039422	0.020737	-0.002282	-0.013848	0.028481	0.026762	0.023302	0.004755	-0.005372
270	-0.001827	0.019667	-0.026276	0.00554	0.040669	0.018098	0.03793	0.024761	0.0372	-0.012416	0.001586	-0.015606	-0.003534	0.016223
271	-0.026124	0.034463	-0.013487	0.029545	0.004609	0.013629	0.009945	0.002415	0.002094	0.004977	-0.012368	0.054753	0.028378	0.010558
272	0.016447	-0.005979	0.050238	0.065863	-0.039073	0.040046	-0.011099	-0.00506	-0.050114	0.032712	0.026285	0.00665	-0.02187	0.055685
273	0.00199	0.025215	0.072912	0.010514	-0.024511	0.006917	0.013938	-0.009286	-0.018134	0.066053	0.021075	0.000123	0.027805	0.023944
274	0.002626	0.042418	0.067285	0.016667	-0.007316	-0.001416	0.030669	-0.010747	-0.018289	0.079808	0.013571	0.002497	0.0211	0.022226
275	-0.065965	0.024672	0.028508	-0.003495	0.027771	0.048668	-0.017431	-0.018718	-0.036148	-0.043442	-0.004275	0.014024	-0.013914	0.008907
276	-0.022956	-0.038108	-0.028259	-0.044317	0.011856	0.020994	0.016822	0.00319	0.060723	-0.057309	0.031153	0.010214	0.002436	0.000315
277	0.01013	0.015396	-0.020423	0.011574	0.005356	-0.016651	-0.038755	0.012375	0.016167	-0.000183	0.007161	-0.024496	0.017235	0.053947
278	-0.006625	-0.008936	-0.018859	-0.020736	-0.004668	-0.01472	-0.037927	0.000824	-0.015516	0.003451	0.010127	-0.00818	0.012755	0.069326
279	-0.031482	-0.0549	-0.064911	0.024839	0.022597	0.02076	-0.005558	-0.031798	-0.013292	-0.037321	0.010769	0.010095	-0.068432	0.027002
280	-0.000884	-0.002335	0.043933	0.009792	0.070638	0.032086	-0.012407	-0.000424	-0.011095	-0.043447	0.002135	0.000686	0.001463	-0.010176
281	-0.016528	-0.004951	-0.000874	0.018187	-0.00031	0.042903	-0.023183	0.011031	0.04086	-0.006259	0.070989	-0.017077	0.011599	-0.029445
282	0.01207	0.029382	-0.017161	0.00376	-0.009427	-0.002804	-0.000995	0.006598	0.007097	0.002891	0.042245	0.017341	0.022782	-0.033462
283	0.01282	-0.002409	-0.021244	-0.000887	-0.059524	0.013867	0.007537	-0.066202	-0.016596	0.046374	-0.011911	0.011062	-0.007655	-0.020366
284	-0.046457	-0.032911	0.009894	0.016755	0.001502	0.019064	-0.004412	-0.024052	0.038766	0.012888	0.027394	0.02559	0.013944	-0.000762
285	0.007827	-0.012974	0.027997	-0.015286	0.036791	-0.003292	0.041803	-0.001762	-0.009288	0.0085	-0.006296	0.019574	0.006432	-0.002391
286	-0.010132	-0.01285	-0.027328	0.014124	-0.007282	-0.013637	-0.024168	0.013399	0.005214	-0.035493	-0.015662	0.010526	0.007733	0.00444
287	-0.009275	0.007091	-0.030056	-0.038212	-0.017656	-0.011961	-0.008468	-0.000683	0.015302	-0.024067	-0.018761	0.002221	-0.014648	0.024551

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
288	-0.031056	0.00431	-0.045817	-0.011536	-0.055511	-0.076624	-0.011432	-0.003569	-0.005519	-0.005516	0.018797	0.001476	-0.005646	-0.003695
289	0.037503	-0.000872	-0.032397	0.031581	0.027621	-0.056741	0.02928	0.017781	-0.004224	0.000088	-0.032199	0.01439	0.028797	-0.045276
290	0.002765	0.021995	0.017551	0.009026	-0.002841	-0.017681	0.023989	-0.001995	-0.007268	-0.014634	0.009349	0.004103	0.01022	0.015166
291	0.001986	0.022608	0.006754	0.005573	-0.016113	-0.01842	0.028174	0.004442	0.00416	-0.01742	0.015019	0.006891	0.014511	0.028086
292	0.001964	0.048043	-0.000413	0.029201	-0.00071	0.018344	0.06049	0.002097	0.014286	0.006916	0.004199	0.019004	0.018942	0.011765
293	0.012087	-0.019569	-0.02485	-0.024037	-0.003213	-0.049271	-0.049487	0.012857	-0.064189	-0.006463	0.032821	-0.033788	-0.001786	0.041151
294	-0.019653	0.005327	-0.027468	-0.008796	0.016976	0.006879	0.027669	0.045091	0.01349	0.013576	0.052236	-0.026816	-0.027894	0.039355
295	-0.003398	-0.008564	0.013791	0.0201	0.003465	0.018291	0.039945	0.003764	0.056028	0.039944	0.010594	-0.030264	-0.000273	0.009921
296	0.001969	0.020402	-0.006908	0.004205	0.018952	0.00566	-0.010115	0.031431	0.057065	0.050216	-0.006801	0.016227	0.013419	-0.038243
297	-0.010018	-0.061088	-0.006123	0.018069	0.020336	0.009225	0.010232	-0.004811	0.091085	0.014468	-0.040306	-0.018411	0.020723	-0.030801
298	0.003926	-0.020402	-0.002795	0.025185	-0.043199	-0.027385	-0.010406	-0.034901	-0.045673	0.02927	0.003115	0.033671	0.030166	0.006834
299	0.026651	-0.032337	0.019461	-0.005901	0.0378	-0.037295	0.01655	0.008858	-0.024029	0.035601	-0.002774	0.002623	0.021979	-0.017699
300	0.05224	0.053552	0.03264	0.038229	0.034357	0.018695	0.033669	-0.025134	0.074415	-0.041776	-0.016955	0.013799	0.024663	0.002116
301	-0.028619	-0.044847	0.037591	0.02946	0.017635	0.00979	-0.01192	0.018502	-0.000741	-0.010591	0.02734	0.017522	-0.004505	-0.030428
302	0.012928	-0.036708	0.038354	-0.003645	0.026792	0.000161	-0.010278	0.029148	-0.036514	-0.034912	-0.012204	-0.002681	-0.035949	-0.041164
303	0.009084	-0.031432	0.029604	-0.000224	-0.032332	0.029537	0.008453	-0.006646	-0.08888	0.048378	0.010183	0.000458	-0.002297	-0.001275
304	-0.033963	-0.02906	-0.063372	0.010063	-0.034068	0.020262	-0.012068	-0.001538	-0.021172	0.049278	-0.059029	-0.024423	-0.012162	-0.017767
305	-0.090289	0.002378	-0.029684	-0.058019	0.108733	0.005948	-0.010696	0.016011	-0.012726	-0.026811	0.04945	-0.008273	-0.037444	0.031667
306	0.00092	0.062591	0.00193	0.028329	0.034034	0.038813	-0.024017	0.008398	-0.034245	-0.000401	0.029595	0.0089	-0.011899	0.039957
307	0.030009	0.007256	-0.057273	0.021195	-0.007658	-0.006674	-0.05753	-0.036253	0.035985	-0.028347	0.030285	-0.010405	0.01992	-0.000032
308	0.02312	0.039568	0.003808	-0.006375	0.018252	-0.040643	-0.033813	-0.014634	-0.020191	-0.010521	-0.022887	-0.012373	-0.038818	-0.024455
309	0.047574	-0.024491	0.009434	0.056428	-0.007607	0.002009	0.002194	-0.002063	-0.011133	-0.007811	-0.005063	-0.030383	-0.03824	0.010603
310	-0.061783	-0.03121	-0.043433	0.024019	-0.026795	-0.057988	0.028616	-0.014633	-0.06616	0.02898	-0.015147	-0.026367	-0.021756	-0.015266
311	0.002982	0.01105	-0.02935	0.012732	0.007562	-0.002154	-0.039904	-0.012989	-0.009739	0.010965	0.009818	0.015161	0.039045	0.044269
312	-0.083588	0.006922	0.057238	0.019839	0.014089	-0.029388	-0.007974	0.012436	0.031721	-0.019285	-0.042032	0.013131	-0.016198	-0.048104
313	0.060293	0.012822	0.015198	0.010228	-0.024019	0.004097	-0.064686	0.014457	0.045608	0.016895	0.032074	0.005794	0.013837	-0.002899
314	-0.005251	-0.030085	-0.043372	-0.063632	0.009469	-0.00497	0.008936	-0.010383	-0.006739	0.032021	0.018162	-0.018966	0.000306	0.019288
315	0.058428	0.052216	0.018446	0.007189	-0.012306	0.018348	0.021902	-0.001534	-0.007844	0.014429	-0.026945	0.012848	0.016223	0.006951
316	0.010971	-0.016666	0.013143	0.017251	-0.006708	-0.007907	0.002425	0.018174	0.006693	-0.06098	-0.007842	0.015183	0.01059	0.007589
317	0.024801	-0.004886	-0.013865	0.039064	0.006836	0.002188	-0.007557	-0.00773	-0.006284	-0.021831	0.033565	-0.018659	-0.023234	0.037496
318	0.011575	0.058856	-0.009178	-0.002147	0.011575	-0.021728	-0.021332	0.00767	0.025018	0.054488	-0.00663	0.060598	0.039974	0.04577
319	0.054641	-0.009955	0.033122	0.002858	-0.043648	0.053722	0.022363	0.011906	0.022685	-0.024129	0.015421	-0.018644	0.005166	0.021753
320	-0.052716	0.016831	-0.011301	-0.065314	-0.047583	0.026249	-0.03374	0.021811	0.018815	0.003087	0.001818	-0.002598	0.006918	-0.029796
321	0.00678	0.021918	0.054656	-0.076478	-0.000933	-0.020833	0.037612	-0.017623	-0.013516	0.028806	0.045777	0.010791	0.003995	-0.02053
322	0.061578	0.069232	-0.011985	0.049365	0.046789	0.015451	-0.000625	0.027167	0.014171	0.002398	-0.010378	0.001199	-0.009756	-0.034335
323	-0.027273	-0.014019	0.065	-0.009779	-0.030598	-0.030653	0.058709	0.017156	-0.044218	-0.008878	0.00429	0.020355	0.045427	0.024706
324	0.010483	-0.061504	0.04234	-0.007657	-0.05649	0.038838	0.023845	-0.01603	-0.026599	0.026531	-0.012878	0.002359	-0.011943	-0.050591
325	-0.056024	-0.012447	-0.03748	-0.005301	0.010265	0.015632	-0.01612	-0.035395	-0.004844	0.014521	-0.018577	-0.016882	0.002421	-0.059935
326	0.00931	-0.027541	0.044337	-0.052164	0.042487	-0.015283	0.001247	-0.015442	0.039669	-0.022196	0.056383	-0.026347	-0.057914	0.024689
327	-0.000059	0.004066	0.032155	0.036717	0.036622	-0.003136	0.003848	0.017489	0.014531	0.032791	-0.003116	0.001886	0.002599	-0.012754
328	0.066366	-0.018513	-0.036803	-0.00002	-0.013326	-0.067262	0.037105	-0.005981	0.010933	-0.013324	-0.01592	-0.028016	-0.028045	0.032682

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
329	0.020322	-0.018028	-0.002052	0.041066	0.03192	-0.033258	-0.004244	-0.002548	0.021641	0.005275	0.035126	0.000885	-0.005404	-0.00237
330	-0.001573	-0.035384	-0.009135	-0.03092	-0.031242	-0.002977	-0.004316	0.009453	-0.007881	-0.03716	0.048609	-0.002423	-0.011636	-0.002389
331	0.019606	0.037183	0.00717	0.020947	-0.009873	-0.045381	0.004338	0.002434	-0.023185	-0.015461	-0.025979	0.006625	-0.02677	-0.002776
332	0.012635	0.029255	-0.031485	-0.01803	0.043192	-0.021905	-0.015896	-0.033185	-0.00138	0.037827	-0.013322	0.013762	0.021085	-0.036866
333	-0.002952	-0.026282	-0.009335	0.043948	0.042623	0.001026	-0.021209	0.017368	-0.00099	-0.015882	-0.014723	0.011125	-0.006265	-0.000269
334	-0.055404	0.022902	-0.031203	0.002455	-0.023828	-0.033293	-0.051096	-0.027897	-0.017511	-0.006528	-0.012662	-0.032876	-0.004831	0.029466
335	-0.034113	-0.001118	-0.009696	0.040115	0.055612	-0.000076	0.020533	-0.003297	-0.015938	-0.022796	-0.020914	-0.014697	-0.042805	-0.021284
336	0.033305	0.041936	0.079524	-0.060942	0.043006	-0.009572	0.029948	-0.009422	-0.061424	-0.060279	-0.060559	0.012933	-0.007797	-0.002016
337	-0.015556	0.020473	-0.063746	0.064414	0.058975	0.015393	0.018936	0.026378	0.012998	0.035558	-0.0024	0.047377	0.032291	-0.016986
338	-0.02031	-0.031194	0.014598	-0.034826	0.038421	0.048012	-0.029058	0.004033	0.033854	0.017379	-0.020389	0.012479	-0.012823	-0.015108
339	0.000685	-0.027098	-0.062775	0.012787	-0.005583	-0.029761	-0.039347	0.010414	-0.065474	-0.011654	-0.015252	0.009096	0.002375	0.009183
340	-0.049525	-0.000163	0.020241	0.034815	0.019303	0.022917	0.003623	-0.004022	0.032641	-0.002927	0.012527	0.02984	-0.004627	0.031802

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
1	-0.086363	-0.09882	-0.026921	0.09895	0.053775	-0.019997	0.133592	0.050583	-0.048268	-0.026262	0.087618	0.025366	0.062051	0.084986
2	-0.04869	-0.009969	0.00264	-0.134401	-0.117549	-0.020247	-0.135826	-0.101719	-0.054746	-0.026968	-0.027844	0.004006	-0.01273	-0.056996
3	0.075318	0.055752	0.02031	0.0843	0.042847	-0.048555	-0.020985	-0.040686	-0.00756	0.031963	-0.06048	-0.087153	-0.026776	-0.063471
4	-0.012415	0.04115	0.001081	-0.039384	-0.009663	-0.010096	-0.013883	-0.107571	0.054274	0.002018	-0.063545	-0.073534	-0.070531	-0.079812
5	0.058657	0.008841	0.014255	0.052803	0.070817	-0.03437	-0.007195	0.043315	0.008238	-0.009904	-0.00636	0.035831	-0.047667	-0.048966
6	-0.06442	-0.058978	-0.093018	0.012045	0.037376	0.022026	0.009921	-0.019236	-0.007275	0.0439	0.07155	0.017209	0.04702	0.049285
7	0.029646	0.027108	-0.012163	0.031886	-0.002163	-0.017654	-0.006246	-0.019497	0.044023	-0.069992	-0.037488	0.024618	-0.037	-0.058036
8	0.045911	0.021227	0.018628	-0.006856	-0.03424	-0.038287	-0.069891	0.003811	-0.039716	-0.007287	-0.031599	0.010615	0.048473	-0.022517
9	0.054286	0.038334	0.036641	0.02352	0.021634	0.009106	-0.028408	-0.00717	0.042952	-0.053523	-0.034263	0.043683	-0.01455	0.028504
10	0.056809	-0.070819	-0.022832	-0.028319	0.026802	0.051784	0.005491	-0.000996	-0.059114	-0.0581	0.040729	-0.013224	0.019547	-0.023445
11	-0.038488	-0.044748	-0.039236	0.00077	-0.012488	-0.009969	-0.071413	-0.038754	-0.026459	-0.015242	-0.040902	0.012509	0.044302	0.067113
12	-0.040415	-0.035551	-0.004715	-0.008894	-0.011848	0.034198	0.045186	0.040439	0.013176	0.031097	-0.005697	-0.007482	0.053315	-0.000304
13	-0.016103	0.009714	0.01642	-0.06559	-0.092577	0.024036	-0.042987	-0.008443	-0.066087	-0.053334	-0.004723	-0.03657	-0.005822	-0.145147
14	-0.016127	-0.065219	-0.029039	0.093153	0.092671	-0.046026	-0.02557	0.254444	0.198255	0.083848	0.048702	0.060658	-0.061689	0.071611
15	-0.067356	-0.081804	-0.05709	-0.046856	-0.033865	-0.004978	0.027571	-0.03943	-0.055845	-0.023378	0.067722	-0.059667	-0.04768	0.047701
16	-0.010039	-0.053619	0.003308	-0.039463	-0.025347	0.03717	-0.016381	-0.040918	0.029134	-0.024604	-0.059066	-0.007328	0.020433	0.002847
17	-0.024616	0.051026	-0.004759	-0.011758	-0.026107	0.04193	0.043865	-0.000609	-0.059686	0.027762	0.023566	0.014307	-0.052807	-0.105692
18	-0.007008	0.036104	-0.008358	0.025869	0.023313	-0.011175	-0.004455	0.019113	0.043653	0.045989	0.007644	0.004817	0.023833	-0.011118
19	-0.01784	-0.017445	0.030176	0.03653	0.024324	-0.0225	0.125663	-0.027059	0.02314	0.052306	-0.019203	0.021561	-0.002961	0.06223
20	0.10308	-0.033028	0.002999	-0.081156	-0.094695	0.014609	-0.062843	0.02284	-0.129502	-0.100435	-0.000642	-0.079214	-0.061983	0.017669
21	0.049461	0.035281	0.00263	-0.010859	0.027781	0.020433	0.05384	0.060099	-0.006257	-0.006345	0.003712	0.06623	-0.03497	0.040311
22	-0.055691	-0.026172	-0.041326	-0.036084	-0.032583	0.009894	-0.158375	0.051197	-0.00294	0.056582	0.054486	-0.042597	0.007922	0.124896
23	0.030181	0.086334	0.049126	-0.057547	-0.024561	-0.015965	0.001508	-0.033962	0.013198	-0.00244	0.048537	-0.023804	0.004895	-0.071222
24	0.001967	0.027433	0.047081	-0.062588	-0.069279	0.028793	-0.039279	0.02228	0.027159	0.018245	-0.056668	-0.04926	0.035048	-0.059364
25	-0.033579	0.044473	0.043181	0.036065	0.046085	0.043211	0.042512	0.094593	-0.006848	-0.054301	0.028453	-0.002148	0.00071	0.069263
26	0.034745	0.000535	-0.041735	-0.018735	-0.014635	-0.015823	-0.121239	0.00962	-0.015844	-0.055992	0.029115	0.109344	0.042439	0.054775
27	0.047624	0.028225	-0.003184	0.065147	0.041025	-0.052262	-0.066983	0.049852	-0.105991	-0.072241	-0.04153	0.042668	-0.052402	-0.012319
28	-0.013549	0.016812	0.04646	-0.060345	-0.097571	0.037644	-0.022038	0.0582	-0.10036	0.064791	-0.044199	0.042169	-0.03628	-0.004136
29	-0.010985	-0.046413	-0.021634	0.100044	0.094888	-0.033101	0.042351	-0.019355	0.032331	0.008924	-0.043192	-0.060126	-0.017698	-0.001908
30	-0.008182	-0.028904	0.071167	-0.004211	-0.016697	-0.124252	-0.045278	-0.082835	-0.049501	-0.010845	-0.094262	-0.011811	0.026414	-0.058896
31	-0.044261	-0.011545	-0.013795	-0.017941	-0.044571	0.035127	0.080841	-0.023724	-0.087178	-0.023391	0.06698	-0.083458	0.011534	0.140685
32	0.050709	0.049699	0.101728	0.022997	0.057341	-0.007892	0.015727	-0.101584	0.071498	0.040582	-0.063809	-0.028255	-0.013704	-0.113359
33	-0.064512	-0.063638	-0.140793	0.03956	0.060089	0.063528	0.103818	-0.099236	0.078244	0.004482	0.048316	-0.036539	-0.057053	-0.09017
34	-0.020123	0.052985	0.04484	0.067918	0.04777	-0.073092	0.058782	-0.054398	0.15313	0.06921	0.03208	-0.025076	0.040627	0.002786
35	-0.026943	-0.08018	-0.098014	0.007654	0.017448	-0.015981	0.023255	-0.108623	0.038436	0.030439	0.095342	-0.10394	-0.068845	0.009161
36	0.003972	-0.076733	-0.052855	0.076216	0.080652	-0.002699	0.014017	0.020535	0.055185	0.04	0.004069	0.095673	-0.047345	-0.168567
37	0.008818	0.000779	0.031429	-0.14452	-0.137377	0.030269	-0.03218	0.001458	-0.022344	-0.042094	0.021616	-0.046575	0.151787	0.023968
38	-0.003178	-0.016734	0.061112	-0.034211	-0.012075	0.000417	0.010563	-0.0374	-0.049793	-0.019892	0.03249	0.042483	-0.139065	-0.060794
39	-0.011099	0.004562	0.006439	0.028911	0.000379	-0.021213	0.008321	0.091797	-0.10054	-0.029393	0.088858	-0.010795	-0.02772	0.024928
40	0.047436	-0.025807	0.052978	-0.09275	-0.050355	0.077882	0.03967	0.032947	0.03391	0.023838	0.079142	-0.013703	0.020993	0.017521
41	0.081964	0.013879	-0.023735	0.01595	0.000707	-0.002097	-0.252445	-0.076512	0.100614	-0.055602	-0.016082	-0.076341	-0.085952	-0.025795

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
42	-0.144054	-0.138093	-0.062287	0.033822	-0.020042	0.006592	0.078518	-0.029216	0.028893	0.045892	-0.067582	0.017995	0.098153	-0.060105
43	0.028469	0.022753	-0.006191	0.023492	-0.000209	-0.044417	0.043635	-0.033212	-0.071849	0.020141	0.119494	-0.07988	-0.00414	0.0829
44	0.013776	0.036108	0.007319	0.073882	0.054306	0.030297	0.109536	-0.029585	-0.025921	0.044365	-0.037779	0.069632	-0.049685	-0.082579
45	0.008364	0.018584	0.031948	0.069317	0.077129	-0.040815	0.024423	-0.094938	-0.046895	-0.024103	0.013387	0.04938	-0.042688	0.146846
46	-0.024665	-0.006484	-0.080537	-0.030817	0.003905	-0.065309	-0.017644	0.052443	-0.024517	-0.034874	-0.035105	0.169093	0.008865	-0.071389
47	0.002755	-0.034693	-0.001621	0.01577	0.00916	0.000326	0.062437	-0.002091	0.031227	-0.242898	-0.013032	0.030478	0.073183	0.015626
48	0.005596	0.041472	0.011494	-0.01864	-0.015991	0.070239	0.015385	-0.00658	0.034913	-0.027843	0.017863	0.039845	-0.034545	0.044829
49	-0.017289	0.068745	0.031257	0.068422	0.123238	0.061737	0.172748	-0.023563	0.010871	0.003396	0.145957	0.005738	0.048282	0.058407
50	-0.025051	-0.011913	0.066646	0.033678	0.027295	-0.098568	0.004973	0.012625	-0.005812	0.085622	0.143403	0.012264	-0.13439	-0.072183
51	0.074879	0.05152	-0.009846	0.003286	0.004981	0.009113	0.003297	-0.031821	0.014847	-0.070456	-0.069255	0.018399	-0.025896	0.011096
52	0.111508	-0.006787	0.020744	0.055048	0.043176	-0.046608	-0.086579	-0.034271	-0.000517	0.030078	-0.003068	-0.040068	0.010968	-0.025862
53	0.031548	-0.027352	0.015642	-0.037323	-0.011136	-0.014827	0.063219	-0.043044	-0.123722	0.023222	0.167388	-0.058403	0.021926	0.005382
54	0.041678	-0.011791	0.030864	-0.031943	0.004863	0.03025	-0.093245	0.076786	0.146721	-0.0202	0.007568	0.046584	0.065516	0.152466
55	0.077591	-0.021691	-0.022896	-0.076423	-0.026578	0.038852	0.008116	0.011055	0.007336	0.046839	-0.083241	0.061959	0.014067	0.032368
56	0.082456	0.019213	-0.069727	-0.064322	-0.089364	0.05494	-0.043215	0.019785	0.038929	0.053787	-0.04989	0.020795	-0.009224	0.037669
57	-0.129203	0.042378	0.013093	-0.04193	0.00481	-0.028109	-0.095803	-0.101816	-0.104342	-0.024097	-0.133997	-0.140976	-0.057683	0.017945
58	0.032307	-0.032781	-0.007606	-0.006211	-0.012758	-0.024696	0.103934	0.037898	-0.138386	-0.033044	0.01111	-0.07009	0.019562	0.010962
59	-0.038119	-0.011325	-0.040592	0.010951	0.014882	0.020706	-0.00679	0.027438	0.016659	0.053275	-0.014739	0.037244	0.002693	0.017572
60	0.003053	0.06533	0.065582	-0.022577	-0.038808	0.041899	0.027021	0.025052	0.041267	0.037176	0.000506	-0.154107	-0.043585	0.053513
61	0.012019	-0.020834	-0.03668	-0.204837	-0.113224	-0.015612	0.038001	0.004688	0.039439	0.050998	0.093834	-0.018613	-0.03369	-0.014376
62	-0.017185	-0.013786	0.001248	0.044222	-0.006167	0.011241	-0.013015	-0.05242	-0.012745	0.019996	0.02509	-0.026821	-0.029805	-0.046626
63	0.02447	0.021351	0.024984	0.019763	-0.000675	-0.012331	0.03466	0.012581	-0.075609	-0.041389	0.037793	-0.140931	-0.028418	-0.012902
64	-0.010694	-0.023726	-0.04285	0.00006	0.017977	0.015192	-0.041287	-0.047998	-0.04226	0.008967	-0.0101	-0.001182	-0.007928	-0.046826
65	-0.158388	-0.005599	0.015295	0.019086	0.002172	-0.017196	-0.005668	0.105293	-0.002899	-0.050019	0.073127	0.176269	0.008989	-0.049021
66	0.032093	0.012381	0.034156	0.091419	0.057001	0.052564	-0.017835	0.14939	0.049016	-0.021119	-0.063345	-0.048549	-0.027119	-0.027671
67	-0.033692	-0.072965	0.023762	-0.025876	-0.022451	-0.02707	-0.075822	-0.099354	0.010626	-0.023131	0.056605	-0.038052	0.083665	0.033121
68	0.025186	0.036583	0.017401	-0.002991	0.001725	-0.005862	0.01542	-0.027808	-0.021936	0.017778	0.049141	-0.037005	0.054932	-0.05624
69	0.000769	0.024827	0.063346	-0.028262	-0.054279	0.014388	-0.083422	-0.063033	-0.108168	-0.03568	-0.052957	-0.058991	-0.089102	0.04937
70	0.056555	0.047588	-0.033075	0.004125	0.012852	0.015838	0.067874	-0.083997	0.040872	0.048782	0.080132	-0.006531	0.011509	-0.032228
71	-0.031553	0.006531	0.107445	-0.037768	-0.025369	0.030947	0.021231	-0.008152	0.081328	-0.025428	0.029002	-0.035744	0.015203	-0.0123
72	0.047955	-0.033607	-0.072905	0.082344	0.031575	-0.07693	0.043787	-0.045952	0.061029	-0.090252	-0.079889	0.018866	0.008924	-0.13283
73	-0.046932	0.028111	0.026923	0.047477	0.061732	0.066453	0.034625	0.031115	0.045083	0.039463	-0.039625	-0.126551	0.089592	-0.016221
74	0.017117	-0.02971	-0.044902	-0.0635	-0.011547	0.011341	-0.046743	0.008493	-0.01015	-0.000831	0.057622	-0.040253	-0.003992	-0.012725
75	0.015286	-0.006831	-0.058231	0.023727	0.015177	-0.063308	-0.050899	-0.104339	0.01931	-0.015445	-0.049119	0.034093	0.108463	0.079398
76	-0.028575	0.024439	0.074314	-0.043438	-0.050618	-0.022894	-0.077521	0.010258	-0.051279	-0.036452	0.073717	0.128893	0.059673	0.104064
77	0.036698	-0.050348	-0.090001	-0.019763	-0.009906	0.059063	0.171158	-0.056778	-0.105563	-0.059541	0.189435	0.02355	0.000857	-0.088155
78	0.072174	0.010184	0.008392	0.053925	0.084346	-0.023729	-0.042171	0.01795	0.017413	0.044025	-0.112609	-0.084366	0.037148	-0.001765
79	-0.053174	0.004809	0.027929	0.004225	0.041043	0.02533	0.020562	0.057916	0.032262	0.049598	-0.066331	-0.092865	-0.090318	0.003244
80	-0.020679	0.021699	0.070456	0.029655	-0.002908	-0.048015	-0.114765	0.065266	-0.066965	0.00035	-0.110025	0.0971	-0.020953	-0.030958
81	-0.02058	-0.004553	-0.01897	0.005228	0.009212	-0.028372	0.042223	-0.000763	0.086117	0.024376	-0.103045	0.013052	0.060248	-0.028085
82	0.026384	0.117129	0.063946	0.022098	0.01476	-0.030543	-0.039489	-0.041882	-0.069865	-0.013376	-0.015975	-0.012073	-0.08779	-0.0463

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
83	-0.007227	-0.042742	0.016377	0.035475	0.004542	-0.027139	0.061729	-0.014229	-0.007528	0.017103	-0.124076	-0.051141	-0.025966	0.027715
84	0.036094	0.09943	0.044758	-0.003968	-0.004613	0.095755	0.020426	0.035092	-0.014184	0.083381	-0.000217	0.065416	0.108415	0.080504
85	-0.033441	0.022896	0.066251	-0.042672	-0.032805	-0.002765	-0.002377	0.01145	-0.058384	0.017484	0.027819	-0.072598	-0.086166	0.058709
86	0.050413	-0.030294	-0.06048	-0.059588	-0.03285	0.013386	-0.069791	0.047006	-0.018968	0.044767	0.135556	0.0725	-0.052606	0.005885
87	0.064762	-0.010261	-0.042343	0.015047	0.015822	0.007139	-0.087653	0.022865	-0.005254	0.032701	0.015368	0.025238	-0.065371	0.039351
88	-0.003647	0.091774	0.078754	-0.037662	0.002559	-0.020158	0.086569	-0.024636	0.10136	0.080019	0.039092	0.320146	0.051565	-0.077643
89	-0.036825	-0.021359	-0.043399	0.002492	0.059336	0.022744	-0.011977	-0.05101	-0.067486	-0.090631	-0.001507	-0.104765	0.04591	-0.044411
90	0.00134	-0.032424	0.00235	0.06787	0.066663	-0.008048	0.039058	0.017296	0.033457	-0.053597	0.153318	-0.033175	-0.010856	-0.075068
91	-0.042281	0.028568	0.014897	-0.047079	-0.065018	-0.091631	-0.045967	0.04133	0.112223	0.051813	0.008882	-0.0729	0.066995	-0.017699
92	-0.04269	-0.096156	-0.067515	0.101054	0.072655	-0.020849	0.063225	0.043758	0.049548	-0.035022	-0.043033	0.005985	-0.000581	0.047693
93	-0.009705	0.011796	-0.004518	-0.033956	-0.05299	0.0393	-0.001341	0.044388	-0.002005	0.054374	-0.004136	-0.022958	-0.001876	0.051196
94	-0.024428	-0.063291	-0.056626	-0.041298	-0.017653	-0.018205	0.015791	-0.022602	0.004558	-0.019958	-0.017745	-0.087688	0.048158	0.054495
95	-0.01807	-0.004561	-0.011056	-0.015378	-0.022082	-0.073815	-0.028875	-0.043401	-0.091582	0.016926	-0.030928	0.062979	-0.022976	-0.004269
96	-0.001249	0.001125	0.016509	-0.011003	0.0104	0.011472	0.011276	-0.01025	0.049247	0.025189	-0.076763	-0.00327	-0.040581	0.007666
97	0.023534	0.005618	-0.000492	-0.017639	-0.014334	-0.016382	0.024551	0.039073	-0.093303	0.021298	-0.007731	0.045022	0.03326	-0.024389
98	-0.004099	-0.063037	-0.041412	0.038272	-0.039052	-0.063775	0.047205	-0.036034	-0.027102	0.078036	0.142618	-0.082088	0.006599	-0.051659
99	0.073365	0.065248	0.051149	0.06447	0.03539	0.017217	-0.010552	-0.053769	0.024052	0.027752	0.027999	-0.068412	0.009851	0.073062
100	-0.005339	-0.048084	-0.003433	-0.069386	-0.052432	0.012081	0.036964	-0.008922	-0.014517	-0.010796	-0.025914	-0.062022	0.072107	0.054653
101	-0.006223	-0.034381	-0.035031	-0.06564	-0.057782	0.029673	0.00299	0.089087	-0.011873	-0.041	0.004619	-0.048343	-0.029187	-0.081181
102	-0.014174	-0.008874	-0.009017	0.015888	0.01571	-0.024305	-0.095583	0.017806	0.000729	-0.018786	0.023934	0.069148	0.052926	-0.054336
103	0.017071	0.016158	-0.016438	0.042944	0.023811	0.050247	0.004182	0.074409	-0.021102	-0.029348	-0.00777	-0.02905	-0.046733	0.04039
104	-0.001361	0.007287	0.016817	-0.017802	0.005593	-0.002791	-0.045869	-0.090068	0.124866	0.008402	0.068459	0.090048	-0.00625	0.008457
105	-0.027126	-0.051516	-0.039809	-0.028143	-0.045004	0.013519	-0.026669	0.034907	0.014208	0.031133	-0.02286	-0.016863	0.013979	0.06803
106	0.007061	-0.056527	0.0327	-0.100201	-0.108054	0.040621	-0.036816	0.029882	0.092845	-0.018755	0.044203	0.022435	0.000214	0.047318
107	-0.01344	-0.015457	-0.082889	0.161669	0.114356	0.054763	-0.009762	0.003537	-0.046612	0.013966	0.020942	0.062749	0.063218	0.074976
108	0.04705	0.040184	0.079944	-0.034107	-0.007371	-0.000785	-0.022789	-0.069612	0.037605	-0.024238	0.052333	0.018544	0.05558	-0.025816
109	-0.058165	-0.043327	-0.033332	0.003507	-0.008277	0.000915	-0.000731	-0.027719	-0.012628	-0.004599	-0.013416	-0.058153	-0.003354	0.007342
110	-0.009865	-0.032669	-0.045801	0.045883	0.033854	-0.008303	0.000729	-0.073256	-0.025848	0.017767	0.05256	-0.023441	-0.018152	-0.031514
111	-0.025737	0.037044	0.046954	-0.034598	-0.048197	0.035682	-0.01884	0.035459	-0.015891	-0.03343	-0.015065	-0.01144	0.00854	0.044138
112	-0.023137	-0.015204	-0.029472	-0.007735	0.021367	-0.003507	0.024079	0.08693	-0.011117	-0.01612	-0.056625	-0.109099	0.036065	-0.00157
113	-0.039776	0.034894	-0.057754	0.005186	-0.010851	-0.055672	0.004239	0.007918	0.049311	-0.013536	-0.055112	0.050999	-0.048826	-0.047892
114	-0.024193	-0.009386	0.038422	-0.025123	-0.029162	-0.00002	-0.019197	-0.00314	-0.010299	0.016724	-0.037136	0.036875	0.010391	-0.048556
115	0.015658	0.030845	-0.037654	-0.033691	-0.018362	-0.026616	-0.007385	-0.016631	0.047603	0.003362	-0.071673	0.054082	-0.008488	-0.035354
116	0.000236	-0.008781	0.047058	-0.040803	-0.038344	-0.024588	0.058987	0.028735	0.040329	0.004112	-0.023037	0.003934	0.001896	0.048975
117	0.062767	0.029191	-0.015812	0.002572	0.024956	0.011635	0.0035	0.016736	-0.011032	0.003727	0.001213	-0.054325	-0.004198	0.095289
118	0.008458	-0.033893	-0.016541	-0.049619	-0.057835	0.029018	-0.070982	0.008112	0.052222	-0.006166	-0.061749	-0.094035	0.016771	-0.006474
119	0.033619	-0.017721	0.086858	-0.000582	-0.017236	-0.019405	0.109	0.033433	-0.038121	0.023062	-0.057932	0.048097	0.004042	0.063683
120	0.02374	0.05095	0.026764	0.024804	0.042353	0.012058	-0.02679	-0.053929	0.000091	0.072401	0.009688	-0.116767	-0.015379	-0.004838
121	-0.014901	0.017824	0.028432	-0.026776	-0.033996	-0.016575	-0.027096	-0.025488	-0.008247	-0.023398	0.076799	0.096374	0.048432	-0.064579
122	0.084638	-0.035447	-0.074804	0.016401	-0.030978	-0.051592	-0.020391	0.0345	-0.024517	-0.083723	0.062163	-0.032062	-0.014345	0.070177
123	-0.00741	0.018987	-0.024684	-0.022866	0.017892	-0.056225	0.053781	-0.110731	0.065811	0.017923	0.025192	0.021697	0.084133	-0.003388

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
124	-0.063172	0.068951	0.010718	0.050586	0.076839	0.006242	-0.020203	-0.009505	0.003934	-0.007701	-0.016653	-0.011054	-0.072115	-0.005854
125	-0.002598	-0.03502	-0.023176	-0.014165	0.027	-0.048151	0.086654	0.120773	-0.004396	-0.030292	-0.034756	-0.050554	-0.037584	-0.009181
126	-0.069456	0.059623	0.132628	-0.049794	-0.060116	0.011144	-0.02486	-0.040842	-0.111584	-0.015543	0.06306	0.085394	0.074311	0.018546
127	0.008187	0.01019	-0.004304	-0.063638	-0.032194	0.094926	-0.047738	-0.008167	-0.064778	0.048443	0.127383	-0.042658	-0.128091	-0.005552
128	0.063996	0.031449	0.063289	-0.021372	-0.040486	0.003102	0.0307	0.047625	-0.048092	-0.006347	-0.050804	0.003276	0.007168	-0.059438
129	0.013659	0.062022	0.014943	0.011348	-0.022364	-0.035583	0.009379	-0.085119	0.008256	-0.027021	0.020989	0.067722	0.012391	0.01555
130	0.038763	0.015422	-0.024477	-0.036613	-0.025193	0.023132	-0.026683	0.035045	-0.010704	0.011924	-0.005047	0.059475	0.039214	-0.016504
131	-0.016108	0.030902	0.044457	-0.060853	-0.037311	-0.009896	-0.016672	0.040324	0.014068	-0.000805	0.033758	0.003809	-0.006326	-0.024269
132	-0.009226	-0.020867	-0.037126	-0.012968	-0.022235	-0.021731	-0.051042	0.000088	0.031748	0.040271	-0.01628	-0.067414	0.038286	-0.013761
133	0.039333	-0.038524	-0.074858	-0.012507	-0.056837	0.006631	0.04389	0.013588	-0.000508	-0.026092	0.008654	0.091212	0.043205	-0.00294
134	-0.006035	-0.00918	0.024566	0.02157	-0.035732	-0.01131	-0.034098	0.002479	-0.003316	-0.01198	-0.085825	0.074914	-0.05452	0.006927
135	-0.000861	0.006226	0.056893	0.030275	0.015876	0.043372	0.034894	-0.076292	-0.109625	-0.017767	-0.084725	0.025321	-0.030568	-0.01108
136	-0.028002	-0.030878	-0.003238	-0.032797	-0.001645	0.042618	-0.022871	-0.034326	-0.031537	-0.008439	0.010524	-0.013284	0.030546	0.028274
137	-0.038587	-0.015472	0.074221	0.098259	0.063517	0.025537	0.027261	-0.10899	0.08955	-0.02896	0.013931	-0.12479	-0.09681	0.07394
138	-0.023692	-0.044973	0.023035	-0.006638	-0.00616	-0.005173	-0.036201	-0.015442	0.035053	0.031569	0.060036	-0.019387	-0.036811	0.05674
139	-0.067158	-0.044848	0.041704	-0.035892	-0.033284	0.029922	-0.027483	0.048632	-0.010586	-0.002108	-0.01213	0.042608	-0.043185	0.06349
140	-0.010214	0.001358	0.017631	-0.018166	-0.015574	0.030026	-0.006219	0.009745	-0.007591	0.014447	-0.051459	0.02415	-0.027203	-0.028315
141	-0.010473	-0.036114	-0.020159	-0.009531	0.025669	-0.009503	-0.04311	0.036319	0.042793	-0.000962	-0.006981	-0.005446	-0.044309	0.012669
142	-0.001971	0.046735	0.017603	0.023401	0.029568	0.021355	-0.042066	0.022351	-0.019367	0.019249	0.029565	0.0113	0.004966	-0.052393
143	-0.00732	0.018278	0.002103	0.009957	-0.026743	-0.016322	-0.005526	-0.021739	-0.031188	0.019352	0.055029	-0.022763	-0.015056	-0.018399
144	0.059269	0.036224	0.027799	0.022594	0.03583	0.01606	0.042899	0.040774	0.049002	-0.004053	0.033906	0.0194	0.017632	0.003015
145	0.008036	0.001825	0.01935	0.017306	0.013865	-0.007005	-0.019743	-0.008189	0.06239	0.007976	0.018658	-0.000284	-0.011681	-0.012102
146	-0.029822	0.012806	0.016651	-0.0008	0.001857	-0.021094	-0.034619	0.001575	0.016475	-0.032729	-0.015663	0.029193	-0.006858	-0.032757
147	-0.002066	-0.015995	-0.019929	0.036602	0.050471	0.026501	0.005553	-0.010832	0.013189	0.003125	-0.056867	-0.073092	0.020389	0.044532
148	-0.059204	-0.055194	0.009397	-0.006547	-0.002682	-0.03976	0.004435	0.011049	-0.031795	-0.013728	0.051019	-0.029473	0.009171	0.040083
149	-0.056818	-0.014024	-0.010568	-0.011652	-0.017026	0.024563	0.042406	-0.049047	-0.008423	0.013108	-0.035838	-0.012269	-0.003208	-0.016674
150	-0.006525	-0.007193	0.006409	0.003641	-0.018557	0.037876	-0.010047	-0.057481	-0.058578	-0.020282	-0.007262	-0.003953	-0.012008	-0.074976
151	0.073685	0.008505	-0.027768	-0.001685	0.016018	0.029999	0.008855	-0.009102	-0.062023	0.036716	0.032014	-0.008299	-0.009669	-0.014349
152	0.011848	-0.014187	-0.013404	-0.024578	-0.040835	-0.004969	-0.005138	-0.04372	-0.010525	0.010548	-0.026909	-0.010419	0.033846	0.012301
153	-0.022421	0.010923	-0.051972	0.024399	0.037864	-0.031639	0.02963	0.000764	0.021825	-0.001899	-0.019845	-0.018956	-0.024743	-0.010217
154	-0.021655	-0.019678	-0.004789	0.040551	0.034938	-0.029195	-0.024602	0.016955	-0.030111	-0.029049	0.016357	0.003672	0.011452	0.015158
155	-0.00228	-0.018459	-0.007955	0.022031	-0.009335	-0.0051	0.034392	-0.029054	0.04826	0.043558	0.033411	0.001041	0.007488	-0.007269
156	-0.054226	-0.008904	0.003742	-0.014925	-0.017199	0.001567	0.027279	0.085805	0.010453	0.011806	0.009	-0.007364	-0.014578	-0.00428
157	-0.024599	-0.014552	0.004547	-0.006517	-0.032385	0.029055	0.008333	0.1037	-0.037768	0.02056	-0.018152	-0.008692	0.040477	0.065906
158	-0.003275	-0.045512	-0.054341	-0.006589	-0.012726	-0.000432	0.029017	0.040896	0.038856	0.024272	-0.036334	-0.050854	0.006865	-0.034591
159	0.026479	-0.003871	-0.007117	-0.017047	0.012051	0.026486	-0.032376	0.011809	-0.03557	0.002393	-0.00413	-0.02213	0.007187	-0.003626
160	0.0247	-0.024012	0.004885	0.019024	0.007641	-0.017613	0.004048	-0.024615	0.025985	0.00373	-0.004042	-0.027382	-0.009681	-0.024771
161	0.054381	0.047714	0.001631	0.023336	0.044356	-0.019272	0.004907	0.02398	0.050157	0.001745	0.009084	0.043139	0.015324	-0.012524
162	-0.014241	-0.049999	-0.008978	0.053979	0.049934	-0.002235	-0.039694	0.015596	-0.077053	0.020473	0.065882	0.010257	0.012778	-0.006532
163	0.018023	-0.018656	0.003424	0.034936	0.014646	-0.01203	0.039614	-0.026966	0.044011	0.013259	-0.044218	0.022215	0.009183	-0.04533
164	0.013415	0.030866	-0.014028	-0.01244	0.00764	0.04339	0.037405	-0.000742	0.00387	-0.005597	0.024742	0.077771	0.017986	-0.010614

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
165	-0.024021	-0.006325	-0.02714	-0.034058	-0.017583	-0.003329	0.023127	0.024203	0.017197	0.012814	0.029885	-0.05085	-0.031305	0.02436
166	0.010887	0.023405	0.022313	-0.016733	-0.0129	-0.009406	0.001076	-0.015549	-0.012979	0.013448	-0.015882	-0.061843	0.008037	0.022332
167	-0.000808	-0.023724	-0.074012	-0.005714	0.00252	0.033357	-0.032486	0.025856	-0.000286	0.030666	0.014585	0.019073	0.014745	0.030018
168	-0.023128	-0.035827	-0.037104	-0.00104	-0.007766	-0.020508	-0.011776	-0.021906	0.003784	-0.096275	0.027013	-0.020542	0.002113	-0.066501
169	0.00999	0.021736	0.006875	0.011333	0.013168	0.015728	-0.022382	-0.001377	-0.007144	0.009275	-0.015572	0.020038	-0.013258	-0.012209
170	0.022502	0.035659	0.002635	0.011224	0.016438	0.007934	0.009309	-0.040906	-0.024376	0.014457	0.019056	0.031972	-0.001885	-0.031093
171	0.009411	0.003372	-0.021167	0.006526	0.009535	0.012277	-0.028115	0.025551	0.037455	0.029381	0.015559	0.011184	-0.016322	-0.022344
172	-0.067687	-0.020354	-0.002812	-0.001426	-0.009917	0.017154	-0.000574	0.001373	-0.007744	0.009252	-0.004592	-0.051198	-0.057455	-0.015793
173	-0.087643	-0.054833	-0.053112	0.003252	0.000841	0.004222	0.021583	0.040787	0.014339	-0.008122	0.009379	-0.012517	0.025792	0.006196
174	0.003326	-0.019619	-0.058933	0.016412	0.023854	0.052902	0.022862	0.017402	0.000084	-0.01489	0.030184	-0.018882	0.016161	0.00074
175	0.006729	-0.024	-0.049284	-0.012459	-0.031143	0.014087	-0.019121	-0.006682	0.023045	0.023916	0.00939	0.057948	0.020719	0.064359
176	-0.021689	0.004115	-0.058223	-0.048554	-0.025483	-0.013282	0.013547	-0.009193	0.061284	0.033113	-0.019172	-0.001677	0.025241	-0.034553
177	-0.001816	-0.011635	0.019647	0.008411	0.01081	-0.033446	-0.041902	0.022136	0.02996	-0.009503	-0.02606	-0.050509	-0.036353	0.002016
178	0.024794	-0.000934	-0.008796	-0.022142	-0.001673	0.011495	0.041651	-0.006308	0.003813	0.013626	0.052812	0.032571	-0.019107	-0.017171
179	0.016995	0.021878	0.01	0.003058	0.01064	0.013414	-0.016821	0.007106	0.013018	-0.016749	0.024112	0.01653	-0.002486	0.015583
180	0.017233	0.025786	0.004888	-0.02181	0.005953	0.022187	0.017726	0.014605	0.010138	-0.004097	0.010619	0.032317	0.038676	-0.007481
181	0.030209	0.024166	-0.004802	-0.015236	0.001227	0.002633	0.033904	0.007373	-0.012365	-0.006427	-0.020749	0.047349	0.039525	0.013218
182	0.008864	0.031578	0.019936	0.020032	0.027594	-0.007578	0.053665	-0.035304	-0.01325	0.001094	-0.049225	0.036748	0.012761	-0.018203
183	-0.008766	-0.009359	0.016317	0.034233	0.024908	-0.022116	-0.006536	0.013013	0.029829	0.016068	0.006998	0.009399	-0.036978	0.025807
184	0.009826	0.010062	0.024006	-0.035589	-0.060377	-0.011902	-0.026715	-0.005087	-0.029302	0.054047	-0.010051	-0.00014	-0.041762	0.007979
185	-0.025428	0.007879	0.024813	0.004132	0.001924	-0.045808	-0.019582	0.028748	0.045786	0.012523	0.020374	0.057973	-0.02419	-0.001535
186	0.036128	0.019336	0.021604	-0.019014	-0.030875	0.011664	0.003005	0.059345	-0.020172	-0.002372	0.035858	-0.058452	0.018383	-0.001387
187	0.002425	0.049252	0.024129	0.004285	0.015983	-0.004817	0.019629	0.029364	-0.015717	0.030725	-0.007739	0.068915	-0.016882	-0.026523
188	0.01789	-0.008115	0.007674	0.05227	0.062318	-0.012412	0.045894	0.012411	0.00271	0.021129	0.015479	-0.020932	-0.038734	-0.008685
189	0.015634	-0.017774	0.00161	0.020706	0.022097	-0.036471	0.004377	-0.002977	0.020501	0.011159	-0.031551	0.002402	0.022206	0.034759
190	0.032086	-0.003732	-0.002316	0.027014	0.041121	-0.025009	0.032541	-0.021132	0.023009	-0.001619	0.010735	-0.009911	0.032046	0.001523
191	-0.011405	0.037855	0.044405	0.043622	0.033501	0.0053	0.027006	-0.007237	-0.043625	0.002009	0.026429	-0.028505	-0.067813	0.048715
192	0.002073	-0.046849	0.063841	-0.055162	-0.064501	-0.014977	0.005786	-0.043445	0.056171	-0.019093	0.005724	0.083191	0.015508	-0.028883
193	0.012125	0.001881	-0.052118	-0.022674	-0.026738	0.012778	-0.047862	-0.011865	-0.007975	-0.020935	-0.045532	-0.03491	-0.037234	-0.012863
194	0.040261	-0.019071	-0.012772	0.032988	0.018817	0.03608	-0.009558	-0.052521	-0.074382	-0.031298	0.040646	-0.050592	-0.044447	0.042584
195	-0.009315	0.009779	-0.014524	0.021407	0.00933	-0.005003	-0.005196	0.020658	-0.004787	-0.002081	-0.004462	0.007743	0.02014	0.021281
196	-0.032549	0.005801	0.019081	0.006984	0.021885	0.008759	-0.013766	0.022936	0.028405	0.026729	-0.003997	-0.058075	0.029537	0.021544
197	-0.032111	0.020768	0.077394	0.024598	0.04205	-0.005302	0.075001	-0.076965	0.064508	-0.034866	-0.010896	-0.076923	0.054461	-0.003852
198	0.012999	0.037528	-0.007049	-0.008861	-0.029626	-0.020615	0.058408	-0.019924	0.019221	0.002799	0.064559	-0.033972	-0.020602	0.027833
199	0.031157	0.055112	0.045903	-0.054213	-0.05725	-0.027616	-0.013842	-0.006283	0.011305	-0.025659	-0.014301	-0.008471	-0.056972	-0.056529
200	0.040539	0.032354	0.022019	-0.016585	0.00179	-0.000383	-0.01228	0.017633	-0.021561	-0.028203	0.014644	0.052865	-0.048782	-0.05138
201	0.023842	0.059029	0.012819	0.030678	0.030975	0.005401	-0.029876	-0.006174	0.020563	0.003872	0.021312	0.014391	-0.038057	-0.023739
202	0.002554	0.015669	0.057627	-0.023836	-0.028264	-0.008488	0.043401	-0.05776	0.015008	0.006221	0.054642	-0.037346	-0.007215	0.000994
203	0.002232	-0.006041	0.020399	0.077482	0.065984	-0.002017	-0.019928	-0.036793	-0.023108	0.006591	0.024514	-0.016581	-0.007235	0.002523
204	0.032043	0.044566	-0.021701	-0.028612	-0.007657	-0.003173	-0.032917	0.015775	-0.039646	-0.013593	-0.043071	0.033262	0.005753	0.037448
205	-0.012545	-0.00518	-0.014271	-0.002319	-0.023368	-0.009165	-0.010747	0.009752	0.034777	-0.040494	-0.019763	0.01911	0.049068	-0.003764

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
206	0.04227	-0.039007	-0.006065	0.012141	-0.014321	0.051025	-0.003908	0.106337	0.020178	0.038228	-0.019858	0.040822	-0.017199	-0.019714
207	-0.016335	0.024008	0.007326	0.027858	0.031189	0.035602	-0.011756	-0.084965	-0.005184	-0.020292	0.037849	-0.031967	0.018148	0.014437
208	0.009053	-0.051249	-0.034627	-0.020534	-0.017312	0.012392	-0.0021	-0.059929	-0.025294	0.004539	0.004334	0.016712	0.002288	-0.065993
209	0.009045	-0.029937	0.023012	0.028845	0.026598	0.026989	0.012567	0.036186	-0.033751	0.023272	-0.015554	0.021085	0.042799	0.030117
210	0.02215	-0.01077	-0.031141	0.006436	0.008626	-0.042894	-0.032968	0.001069	0.013315	0.005123	-0.025653	0.018996	0.05082	-0.013029
211	-0.029956	-0.009879	0.010086	0.018376	0.010475	0.007501	0.014774	-0.035613	0.044497	-0.032593	0.038616	-0.008073	0.012066	0.023482
212	0.048091	-0.030618	-0.011519	0.034933	0.012508	-0.013635	0.029683	-0.008814	-0.024329	0.042076	-0.001099	0.016279	-0.004202	-0.031463
213	0.000676	-0.002969	-0.005815	-0.009143	0.014642	0.00883	-0.039303	-0.050509	-0.043641	0.024179	0.013827	0.018046	-0.015132	-0.038257
214	-0.021019	0.000497	0.006591	-0.002773	0.017095	0.013524	-0.027678	-0.002747	0.011579	0.008645	0.058518	-0.041873	-0.000229	0.013105
215	-0.011786	-0.000698	-0.041234	-0.046024	-0.021173	-0.022303	-0.008919	0.03605	0.004316	-0.047585	0.0866	0.051906	0.080357	-0.032169
216	-0.022451	-0.009144	-0.024119	-0.023784	-0.0244	0.008812	-0.01322	0.0365	-0.016479	-0.055347	-0.021869	0.028656	-0.041967	-0.019602
217	0.012272	0.007133	0.042064	0.018479	0.029073	0.04842	0.018712	0.069878	0.003603	0.07297	0.029933	-0.012565	-0.032589	0.047438
218	-0.053901	-0.010708	-0.029842	-0.026446	-0.0168	-0.011663	0.020736	-0.033374	-0.006589	-0.001437	0.024928	0.022375	0.008277	-0.002149
219	-0.053687	-0.0069	-0.048756	-0.026175	-0.017568	0.001969	-0.000385	0.057557	0.031371	0.051468	0.030881	0.020146	-0.006089	-0.029879
220	0.024362	0.030361	-0.01021	0.001297	0.011574	0.018937	-0.052694	-0.002823	-0.00707	0.045887	0.00667	-0.045316	-0.023343	-0.010781
221	0.754754	-0.066969	-0.002428	-0.000454	-0.0099	-0.001633	0.068693	-0.002157	0.037689	0.013878	0.010036	-0.009799	0.040628	0.033377
222	-0.08938	0.755495	-0.148771	0.007043	0.000569	-0.010312	0.051225	0.036722	0.034559	-0.009361	0.022749	-0.071059	0.029676	0.032535
223	-0.037865	-0.145152	0.72267	0.0373	0.046076	-0.009185	0.028908	0.023927	0.01128	0.011517	0.023559	-0.008993	0.00545	-0.016945
224	0.005558	0.023872	0.014262	0.610962	-0.321353	0.030698	-0.134181	0.0084	-0.052435	-0.014947	0.026676	0.022817	0.030637	-0.011634
225	-0.002201	-0.002693	0.010851	-0.323187	0.66277	0.014037	-0.137894	0.012722	-0.070415	-0.02478	-0.003159	0.016195	0.032172	-0.005564
226	-0.016158	-0.024299	0.000757	0.055761	0.035543	0.805978	-0.053769	-0.053843	0.024753	-0.006313	-0.037975	0.012444	0.008598	-0.035377
227	0.022992	0.021334	0.0267	-0.113435	-0.124994	-0.034909	0.501226	-0.009814	-0.024113	-0.022716	-0.130607	-0.002442	-0.019061	-0.002006
228	0.018	0.02508	0.0311	0.001713	0.010222	-0.026579	-0.013272	0.557824	-0.039323	-0.030978	0.014211	-0.097999	0.02242	-0.073439
229	0.00137	0.007982	0.032886	-0.07298	-0.09672	0.041817	-0.00068	-0.046853	0.507734	-0.087885	0.045194	-0.0534	-0.031884	0.003662
230	0.008861	-0.019119	-0.00931	-0.012156	-0.014981	-0.013171	-0.044286	-0.036224	-0.089001	0.765528	-0.030483	-0.002718	0.024107	-0.013457
231	0.013691	0.045849	0.022352	0.013569	-0.019281	-0.044599	-0.102534	0.004789	0.039198	-0.006201	0.484414	-0.0241	-0.016857	-0.043839
232	-0.02169	-0.050367	-0.013537	0.013924	0.008913	0.047764	-0.001129	-0.126144	-0.031935	0.003824	-0.026249	0.343734	-0.098616	0.094183
233	0.017493	0.018448	0.029745	0.055479	0.048682	0.006846	-0.054421	-0.008755	-0.067989	0.028559	0.026045	-0.111693	0.650642	-0.083222
234	0.017794	0.049097	0.026556	-0.008449	0.018324	-0.059722	0.017642	-0.103836	0.012832	-0.01043	-0.032754	0.040087	-0.069644	0.570752
235	0.001486	0.012721	0.061585	-0.008944	-0.00061	0.005881	-0.047288	-0.104209	0.029998	0.005837	-0.069491	-0.045431	0.034782	-0.152448
236	0.007205	0.025084	0.008918	0.015637	0.01942	0.01841	0.011427	-0.002883	-0.008751	-0.041793	-0.02879	-0.004876	0.016782	-0.025229
237	0.075023	0.040502	0.019864	0.012613	-0.017034	0.052531	-0.004365	0.000919	-0.019623	-0.003662	-0.024326	0.023716	0.036499	0.0269
238	0.033103	0.013078	-0.003483	-0.002324	0.000225	0.055102	0.007162	0.040968	-0.00568	-0.019233	-0.033127	0.008418	-0.031068	-0.031125
239	0.005083	0.004615	0.012764	0.025742	0.010799	0.00869	-0.007899	-0.01252	-0.002339	-0.032888	-0.073009	-0.010003	-0.042225	-0.040476
240	-0.006589	0.039247	0.042267	0.007297	0.020725	0.010412	0.025697	0.001301	-0.002833	0.021107	-0.001568	0.044843	-0.039471	-0.011416
241	0.044636	0.051119	0.043489	0.010749	0.017765	0.018666	0.004002	-0.014209	-0.059129	0.004867	0.034824	-0.041349	-0.146475	-0.096188
242	0.009023	-0.030533	-0.014963	0.055449	0.035278	0.017505	0.021335	-0.026538	-0.007025	0.006158	0.034417	-0.023144	-0.074133	-0.050036
243	0.026069	-0.007337	-0.033545	-0.018953	-0.016587	0.030024	0.002843	-0.023986	0.005468	0.027215	0.049903	0.031811	-0.037688	-0.046859
244	-0.072666	0.020478	0.045617	0.011969	-0.021672	0.019265	0.030971	-0.025965	0.013853	0.006737	-0.032741	-0.038514	0.028183	0.051149
245	-0.037524	-0.013518	0.036631	0.021686	0.005968	0.028272	-0.046502	0.023165	0.029029	-0.006646	-0.035047	-0.029695	0.007459	0.05698
246	0.036788	0.028889	0.017536	0.020928	-0.003326	0.022906	-0.048364	-0.012234	-0.028022	0.000804	0.003742	0.061385	-0.000877	-0.010149

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
247	0.015892	-0.005142	-0.013344	0.000225	0.007324	0.008847	0.026391	0.01366	0.025055	-0.022497	0.009667	0.036996	-0.014973	-0.019264
248	-0.025673	-0.030381	-0.013119	-0.017801	-0.019668	-0.028702	0.026606	-0.034823	0.017538	-0.039975	-0.040753	-0.089393	0.019915	0.000788
249	0.014213	-0.088246	-0.062348	-0.017144	-0.019108	-0.0065	0.014396	0.005539	0.010228	-0.014984	-0.044352	-0.099279	-0.036384	-0.027593
250	0.020706	0.05731	0.013586	-0.018138	0.003284	0.046904	0.017322	0.034336	-0.028483	0.036149	-0.021982	0.024987	-0.023568	-0.043605
251	-0.031242	0.008454	0.016108	0.003029	0.001158	0.023693	0.02768	0.003459	0.003545	0.001022	0.028042	0.031802	0.072195	-0.014319
252	-0.000329	-0.012935	0.011051	0.032217	0.020038	-0.015261	0.009261	-0.005376	0.012622	-0.027986	0.004697	0.021498	-0.01676	0.026152
253	0.046597	0.046491	0.000456	-0.00091	0.007453	0.001665	-0.017648	-0.078227	-0.074836	0.008599	-0.014911	0.010997	-0.012791	-0.009912
254	0.016596	-0.031107	-0.122927	-0.007319	-0.038835	0.029558	-0.015539	-0.007932	-0.017448	0.034502	-0.002758	-0.042557	-0.050335	0.008848
255	-0.044688	0.03229	0.008922	-0.014766	-0.017565	0.033467	0.008564	-0.035273	-0.019114	0.007977	-0.02962	0.052471	0.033292	0.045936
256	-0.010192	0.021645	0.025671	-0.043323	-0.009548	0.030067	0.017776	-0.031278	-0.075025	-0.020392	0.073188	-0.018208	0.018222	0.000189
257	-0.003102	-0.02173	0.012995	0.011453	0.003403	-0.011697	-0.018804	0.053078	0.047486	0.001519	0.02261	-0.035005	-0.032431	-0.00381
258	-0.006795	-0.027731	0.026351	-0.009771	-0.046877	-0.021406	0.003735	-0.003317	0.047855	-0.020734	-0.054861	0.002224	0.028776	0.028161
259	-0.021931	-0.107968	-0.087449	0.002318	-0.006276	-0.013506	0.018911	-0.006875	0.00469	0.00242	0.010777	0.062708	0.027546	-0.004488
260	0.00709	-0.001827	-0.03427	-0.007663	-0.043629	-0.000168	-0.023928	-0.013409	-0.021741	0.021853	-0.061365	0.001926	-0.042421	-0.007124
261	-0.028665	0.014551	0.003077	0.026151	0.018206	0.005304	0.040443	-0.032067	0.038387	0.008764	-0.006269	0.033688	0.042191	-0.049077
262	-0.005628	-0.000493	0.000856	0.002262	0.002876	0.0058	-0.002226	-0.022223	-0.003374	-0.014799	-0.001873	-0.010447	-0.032706	-0.019654
263	-0.006727	-0.016799	-0.014243	-0.002712	-0.007763	0.000696	-0.003705	-0.032944	0.009402	-0.0183	-0.037357	-0.010836	-0.007457	-0.012815
264	0.023849	-0.1031	-0.034314	-0.011926	-0.00497	0.009782	-0.004486	-0.004298	0.006181	0.038483	-0.035637	-0.020317	0.007663	0.013872
265	0.063846	-0.030528	-0.064106	0.006319	0.013102	0.012536	-0.00856	-0.029368	0.004404	0.032855	-0.023301	-0.007444	0.018371	0.025887
266	0.029812	0.033746	-0.025517	-0.009408	0.010287	0.006668	0.033788	0.000276	0.007848	0.007278	-0.013422	0.00299	0.026533	0.004986
267	0.008638	-0.001836	-0.025346	-0.006021	-0.004548	-0.058068	0.05843	0.038088	-0.093024	0.041555	-0.043574	-0.053131	0.008333	0.013214
268	0.002593	-0.017808	-0.010377	0.01719	0.022479	-0.127411	-0.015613	-0.024696	0.039409	0.019398	-0.019061	-0.013503	-0.009783	-0.031764
269	0.00661	-0.013489	-0.015477	0.01775	0.02857	-0.105498	-0.021288	-0.002228	0.033187	0.029152	0.001403	-0.052591	-0.003166	-0.000471
270	0.00768	0.001651	0.008466	0.007956	0.021508	-0.100327	-0.125216	-0.037609	0.056081	0.005508	-0.029264	0.005817	0.02025	-0.008705
271	0.025476	0.007836	0.024493	0.049261	0.059988	-0.004036	-0.016875	-0.003441	-0.081286	0.016088	0.008949	0.037505	0.021361	0.03008
272	-0.011054	0.010683	-0.001815	0.00341	-0.001044	-0.002778	0.07677	-0.035103	-0.193056	-0.025948	-0.068457	0.058779	0.075432	0.022873
273	0.012234	-0.016302	-0.003211	0.01325	0.015646	-0.037693	0.016837	-0.036807	-0.046212	-0.072684	0.006613	0.027242	0.03496	0.006675
274	0.013132	0.002048	0.001253	0.002796	0.007614	-0.034443	0.013005	-0.03235	-0.049678	-0.067277	0.016263	0.042647	0.052559	0.002893
275	0.007468	0.0137	-0.006939	0.024361	0.040496	0.015158	-0.11194	-0.014836	-0.022046	-0.127835	0.034875	0.005392	0.040722	0.008095
276	-0.024273	0.001159	0.006898	-0.028218	-0.012031	0.02721	0.062273	0.010031	-0.031565	-0.01052	-0.013255	-0.019508	0.047491	-0.023834
277	0.018864	0.003909	0.008682	-0.023804	-0.004931	0.066034	0.087453	-0.000443	0.024616	0.034466	0.018986	0.005444	0.003672	0.004045
278	0.040169	0.033224	-0.006209	-0.026337	0.0064	0.0614	0.025333	-0.005665	-0.007066	0.027069	-0.006792	0.014888	-0.033038	0.002427
279	0.007544	0.012334	0.013907	-0.032933	0.005401	0.01831	0.04345	-0.008002	-0.003662	-0.027547	0.00665	-0.034163	-0.030679	-0.056603
280	-0.049242	-0.042285	-0.007667	-0.042031	-0.032453	0.019932	-0.021066	-0.069513	0.027711	0.012137	0.015951	-0.021434	-0.051808	-0.035618
281	-0.021789	-0.021714	0.00738	-0.002757	-0.01053	-0.0071	0.029602	-0.018285	-0.014665	0.006239	-0.001638	0.008684	-0.007523	0.031337
282	0.021366	-0.003388	-0.028449	0.0009	0.030616	0.004309	-0.012604	0.034842	0.00204	0.02892	-0.002604	0.029879	-0.069776	0.057297
283	0.005494	0.041953	-0.005169	0.004635	0.034701	-0.021661	-0.022439	-0.018512	-0.011977	-0.022484	-0.003647	0.027489	-0.014258	-0.034439
284	-0.013241	-0.003835	0.036736	0.006141	0.014946	0.012073	-0.016331	0.025419	0.005886	0.004821	0.060588	-0.044481	-0.021398	-0.028055
285	0.036343	0.022875	0.003488	-0.013518	0.027507	0.004535	-0.014932	0.036297	0.019049	0.002955	0.037785	0.017396	0.024782	-0.032454
286	-0.005436	-0.026672	0.014029	0.004316	-0.01123	0.011054	0.010441	0.039002	0.032478	0.004987	0.002609	-0.017694	-0.027251	0.049877
287	0.004039	-0.017594	-0.022092	-0.014671	-0.017339	-0.002546	-0.040736	0.031739	0.022703	0.004447	0.035682	-0.011982	-0.000244	0.051295

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
288	0.033935	0.043801	0.043756	-0.025837	-0.028786	-0.012883	-0.056558	-0.054224	-0.02984	0.007577	0.012479	0.001156	0.02679	0.024745
289	0.015561	0.022249	0.008937	-0.025617	-0.01215	-0.009767	-0.003075	-0.003154	0.001066	-0.002017	0.024814	0.005884	0.013088	-0.024936
290	0.014636	0.017488	-0.004562	-0.023913	-0.011781	0.004612	0.025011	0.020483	0.031653	0.004061	0.037819	0.01761	0.013914	-0.0167
291	0.009705	0.014957	0.008886	-0.025126	-0.01952	0.012563	0.035752	0.018541	0.016247	0.002137	0.037216	0.008604	0.014238	-0.005479
292	0.018656	0.016116	0.013413	-0.038485	-0.016274	0.023989	0.050591	0.00819	0.005135	-0.011207	0.049045	0.001128	0.051111	-0.027114
293	-0.002171	0.003839	-0.012261	-0.002786	0.016006	0.003028	0.027886	-0.015176	-0.062666	-0.025783	0.036515	-0.003672	-0.032754	-0.016171
294	0.012333	0.006178	0.001698	-0.052873	-0.04459	-0.011343	-0.005437	0.015504	0.029477	0.016256	-0.052082	0.001114	-0.028474	-0.01384
295	0.011234	0.005014	0.000077	0.00099	0.001416	0.005711	0.011533	0.015878	-0.042673	-0.054624	-0.012994	0.044133	-0.019734	0.033116
296	0.04058	-0.028425	-0.037242	0.016757	0.015118	-0.011937	-0.023728	0.012427	0.029097	-0.020905	-0.064068	0.005211	0.042576	0.023695
297	0.009354	-0.006613	-0.00877	-0.023802	-0.008566	0.024568	0.001562	0.032745	-0.05251	-0.042245	-0.043366	0.023876	-0.009369	0.004098
298	-0.015398	0.005721	-0.022454	0.044893	0.014996	0.009888	-0.000511	0.032077	-0.064177	-0.00185	-0.033214	-0.006977	-0.049781	-0.022405
299	0.025073	0.012749	-0.018764	-0.006418	-0.013106	-0.020363	0.01363	0.002698	-0.070373	-0.008229	-0.033813	-0.050563	-0.047775	0.018392
300	0.007577	0.010254	-0.000921	-0.015889	-0.011264	-0.000679	-0.005465	-0.010022	0.010134	-0.024698	-0.056048	-0.000078	0.01249	-0.029826
301	-0.005612	0.005933	0.010354	-0.031945	-0.019578	0.019542	0.003909	0.031862	-0.033512	-0.015172	0.002226	-0.02015	0.003656	-0.019465
302	-0.023672	-0.021474	0.016318	-0.043382	-0.03145	-0.013713	-0.058203	0.002922	0.017733	0.013808	0.014138	0.011562	0.034589	0.029483
303	-0.021213	0.000988	-0.034842	-0.03523	-0.039619	-0.026295	0.024122	0.018013	-0.008274	0.042995	0.032411	0.029071	-0.000116	0.020262
304	-0.038364	-0.005883	-0.000008	0.015775	0.005606	-0.035031	-0.012108	-0.026834	-0.008162	0.018172	0.036973	0.049182	0.049672	0.044984
305	-0.02692	0.025908	-0.022777	-0.001988	-0.010386	-0.050022	-0.028386	-0.035022	-0.029236	0.011974	-0.013004	-0.019639	-0.016408	-0.005554
306	-0.053105	-0.026654	-0.003743	0.024693	-0.006636	0.027105	0.013831	0.020436	0.027455	0.002569	0.022171	-0.078999	0.041681	0.040594
307	0.027488	-0.013625	-0.041973	0.000829	0.025031	-0.012573	-0.002029	-0.042017	-0.000321	0.005478	-0.016184	-0.040857	0.00239	0.015325
308	-0.020287	0.005025	0.01517	-0.014698	-0.007428	-0.002159	-0.012984	-0.010382	-0.011908	-0.010182	-0.013131	-0.031936	0.017898	-0.010869
309	0.008479	-0.022626	-0.047227	0.002119	0.013156	-0.000084	-0.01787	-0.005677	0.047168	0.009616	-0.002532	0.045528	0.022561	0.009582
310	0.004645	0.022271	-0.01528	-0.021865	-0.021889	0.010299	0.006312	-0.002218	0.044941	0.033214	0.024519	0.025523	-0.015128	0.033085
311	-0.001294	-0.041601	-0.024223	0.014684	0.006318	-0.045078	-0.001822	0.004459	-0.03142	-0.031804	0.097518	0.014643	-0.040856	-0.038767
312	0.027406	0.011585	-0.026499	-0.041554	-0.023481	-0.013899	0.054067	-0.002979	-0.018742	-0.006461	0.004963	0.004262	-0.036808	-0.044279
313	-0.001912	-0.028084	0.008111	-0.014131	-0.011339	-0.009608	0.016221	-0.00377	-0.017618	-0.011167	0.04548	-0.002798	-0.014815	-0.04152
314	-0.017418	0.027828	-0.010318	0.037755	0.040658	-0.008109	0.02658	-0.009715	0.038141	0.023249	-0.03458	0.026525	0.027644	-0.025341
315	-0.0066	0.010598	-0.005281	-0.009266	-0.013106	-0.028396	-0.011326	-0.017484	0.011602	0.004899	-0.00516	-0.009958	0.034735	-0.01591
316	-0.018333	0.022841	0.022216	-0.001396	-0.014859	0.025331	0.044349	0.012589	-0.0105	0.000224	0.039157	0.056132	-0.043597	-0.038233
317	-0.018689	0.022719	-0.030113	0.005799	0.020861	0.024967	-0.018748	0.014675	0.014037	0.011329	-0.02571	0.033481	0.00934	-0.003934
318	-0.029084	-0.014803	-0.022919	0.052331	0.043222	0.004462	0.076314	-0.019675	0.017078	0.015075	0.009602	-0.021406	-0.005223	-0.005468
319	-0.027281	0.022886	-0.004207	-0.053801	-0.057217	-0.014178	0.00929	0.000234	0.021634	-0.003839	-0.071458	0.02449	0.042315	-0.002876
320	0.065035	0.002179	0.011766	0.038329	0.002975	0.002874	-0.028266	-0.005127	-0.031972	-0.035756	-0.021191	-0.027055	-0.029681	-0.006456
321	0.025031	-0.003129	0.017699	-0.022891	-0.011875	0.027648	-0.009806	-0.0182	0.02415	0.007669	0.079556	-0.007693	0.008658	-0.028049
322	0.040819	0.022214	0.003313	-0.065403	-0.061863	0.002963	0.022837	-0.045012	0.023618	-0.016564	0.017692	0.03647	0.043281	-0.008728
323	0.044005	-0.017622	-0.009331	0.01902	0.017418	-0.039489	0.014428	0.02653	-0.005842	-0.032197	-0.009992	0.001619	0.005604	0.01544
324	0.009315	0.005686	0.022584	-0.03879	-0.042	-0.010531	-0.02119	-0.055023	0.035447	0.030793	0.048584	-0.032381	0.029462	0.037409
325	0.00532	0.011319	0.012561	0.042235	0.050605	-0.011848	-0.012385	-0.115276	0.037205	-0.005925	0.041454	0.025402	-0.001374	-0.021641
326	-0.003654	0.004659	0.012068	-0.057659	-0.044088	0.027585	-0.025271	0.045817	0.033056	0.007683	-0.038066	-0.001195	-0.016541	0.010989
327	0.013432	-0.022895	-0.000808	0.017555	0.007914	0.007456	0.027549	-0.030066	-0.021038	-0.011885	0.00156	-0.03806	0.04479	0.026757
328	0.002656	0.000932	0.013987	0.029757	0.044667	0.03452	0.024565	-0.046167	-0.018427	-0.012294	0.015509	0.011059	0.000349	0.002258

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
329	-0.013536	-0.047835	-0.014705	0.017937	0.001441	0.003021	0.014163	0.000095	0.015045	0.00605	-0.042394	0.013776	0.046517	0.041234
330	0.053033	0.033861	0.0498	0.042286	0.025046	0.006699	0.051334	-0.012297	-0.01505	-0.017224	0.042809	-0.059933	-0.014481	0.038939
331	0.008842	-0.01415	-0.019641	-0.001562	-0.002539	-0.007903	-0.02675	-0.004207	-0.019581	0.023174	0.005299	-0.005515	0.007234	0.017395
332	-0.004967	-0.004118	0.034331	-0.016316	0.008082	0.006134	0.030661	0.039108	0.06147	0.011201	-0.019247	-0.027133	-0.016854	-0.013517
333	-0.02488	0.001633	0.035115	-0.00627	0.005976	0.007565	-0.0157	-0.038897	0.040912	0.009556	-0.015211	0.009286	-0.007518	-0.020841
334	-0.023692	-0.022003	0.010728	0.00861	0.025467	-0.029197	0.020731	0.035367	-0.064693	-0.009407	-0.012908	0.006658	-0.089951	-0.029297
335	-0.000553	0.034188	0.023557	-0.020265	-0.004003	0.027484	-0.040758	-0.004391	-0.022706	-0.007387	-0.026927	-0.00901	-0.018757	0.026905
336	-0.01504	0.021329	0.01922	0.005485	-0.034061	0.030451	-0.006112	0.012016	-0.032847	0.002048	0.014822	-0.000526	-0.004745	0.056361
337	-0.007196	0.035796	0.022272	0.012725	-0.040941	0.009566	-0.041453	0.043512	-0.033681	-0.000644	-0.018312	0.057284	0.041504	-0.050796
338	-0.022131	-0.000403	-0.021903	-0.025901	-0.005892	0.020397	0.060134	0.054957	0.001433	0.019717	-0.024726	-0.026478	0.007301	0.009713
339	-0.015077	-0.01492	0.013462	-0.034277	-0.056935	-0.035458	-0.032988	-0.006779	-0.016616	-0.00539	0.028617	-0.003146	0.030357	-0.009547
340	-0.025645	-0.008286	-0.022429	-0.002765	-0.00343	0.027714	0.034918	0.026152	0.029851	0.025843	0.013212	0.017101	-0.043881	0.007044

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
1	0.041839	-0.010107	-0.033995	0.06608	0.071382	0.015315	0.011749	0.039603	0.007715	-0.083085	0.047138	0.008356	0.011439	-0.035298
2	-0.049603	0.064782	0.049542	0.044785	0.003063	-0.139564	-0.106411	-0.009925	0.043573	0.008768	-0.007302	0.014347	0.019351	0.040095
3	-0.102596	-0.02749	-0.025197	-0.109035	-0.084244	0.012805	0.049963	0.009731	-0.026971	0.036795	0.077249	0.051479	0.077249	0.03838
4	-0.026653	-0.073529	-0.02792	0.010015	-0.001974	-0.05023	-0.127548	-0.113934	-0.083547	0.001976	-0.00332	-0.039859	-0.027851	-0.058875
5	0.002627	-0.014327	0.019939	0.006502	-0.000939	-0.004012	-0.019572	0.036294	-0.014929	0.033598	0.004636	0.005201	-0.025298	0.027726
6	0.060548	-0.039789	0.085693	0.055883	0.045808	-0.015505	-0.003896	-0.00376	-0.040732	0.026363	-0.033418	0.021886	0.007072	-0.012261
7	-0.030629	-0.035578	0.023996	-0.040944	-0.057388	-0.036687	-0.040106	0.000657	-0.051396	-0.027664	-0.02649	0.027381	-0.084168	-0.062195
8	-0.044972	-0.066503	0.01559	0.018172	0.01796	0.036505	0.048972	-0.056029	-0.037016	0.050866	0.037843	-0.035823	0.00573	-0.012168
9	0.039536	0.034234	-0.006092	-0.052158	-0.0465	0.049135	-0.010139	0.025542	0.00631	0.034966	-0.024763	0.007532	0.032223	0.02254
10	0.045178	-0.022911	-0.009124	0.004013	0.007638	0.088972	0.027111	0.007626	0.03298	0.017312	-0.041409	-0.058815	-0.025989	-0.005481
11	0.023102	-0.009882	0.00182	0.027031	0.013412	0.048424	0.005138	-0.011562	0.057159	-0.011843	0.012945	-0.016872	-0.026799	-0.029936
12	0.009689	-0.003896	0.06355	0.004235	-0.029469	-0.046539	0.027267	0.055016	-0.012208	-0.009559	-0.004986	0.027939	0.01078	-0.036191
13	0.038459	-0.030002	-0.021558	-0.034663	-0.037463	0.127664	0.036221	-0.029965	-0.049849	-0.02642	-0.01412	-0.006509	-0.048688	-0.008187
14	0.100728	-0.012236	0.01076	0.01176	0.009173	0.007928	0.027062	0.039183	0.007151	0.006357	-0.008664	0.042692	-0.042912	-0.027375
15	-0.020919	-0.041008	-0.037992	0.001328	0.017963	-0.032378	-0.00944	-0.048228	-0.055491	0.002057	-0.038314	0.014303	-0.013385	0.008162
16	-0.01949	0.049003	-0.011585	0.000469	-0.003142	0.012538	0.007346	0.047894	-0.060777	-0.02341	0.001553	-0.019514	-0.011663	0.05206
17	-0.104997	-0.060311	-0.036421	0.020821	0.069752	0.038841	-0.081411	-0.015926	0.022637	0.020303	0.033871	-0.046949	-0.013862	-0.067326
18	0.030285	-0.006021	-0.03754	-0.040097	0.022645	-0.062454	-0.079046	0.016575	0.030772	0.038009	0.039042	-0.057948	-0.036197	-0.041665
19	0.031877	0.044042	-0.055043	0.059962	0.05686	0.016335	0.022313	-0.019123	0.062749	-0.06242	0.027072	0.042862	0.059904	0.051624
20	0.082797	-0.030633	-0.070394	-0.09062	-0.062427	-0.023699	-0.140599	0.032533	0.022831	0.009676	-0.133064	-0.01265	-0.014294	-0.016868
21	0.077372	0.086713	-0.043763	-0.050838	-0.005181	-0.007032	-0.047546	0.055148	-0.032318	0.016488	0.054353	0.026547	-0.016725	-0.035994
22	0.023957	0.034287	0.002611	-0.022782	0.018572	-0.050764	0.040198	-0.009762	-0.009064	0.02581	0.067907	0.003468	0.007611	0.019079
23	0.002794	-0.045239	-0.000079	0.004578	0.017997	0.033745	-0.038532	-0.013978	0.007059	-0.02162	0.015467	0.037829	0.02879	0.017705
24	-0.046304	0.035122	0.048292	-0.018438	-0.017516	0.011889	-0.049765	0.066637	0.010563	-0.038699	-0.087278	0.021369	0.015637	-0.000955
25	0.04166	-0.089871	-0.063546	-0.001859	-0.057583	0.007771	0.028392	0.030221	0.064507	-0.027508	-0.088559	-0.013483	0.000971	-0.00221
26	0.042535	0.118084	0.01364	-0.033718	0.032338	0.025963	0.007847	0.116401	0.022148	0.049367	-0.009264	-0.019745	0.049045	0.048149
27	-0.048572	0.025078	0.019809	0.000836	0.02566	-0.026338	0.077551	-0.03189	0.00104	-0.034806	-0.066614	-0.009114	-0.001326	-0.001514
28	0.005649	0.00831	0.012841	-0.007288	-0.028271	0.05516	0.042511	-0.027166	0.043105	-0.020176	-0.00062	-0.11834	0.01265	0.060401
29	-0.041578	-0.024814	0.006694	-0.008663	-0.004909	-0.025799	-0.073024	-0.005706	0.054655	0.030629	-0.005383	0.032304	0.009383	0.025813
30	-0.08011	0.005377	0.060564	0.094226	0.06126	-0.002576	0.023515	0.042032	0.110031	0.029957	0.039062	0.011166	-0.00461	-0.022249
31	0.070674	0.016012	0.076781	0.085084	0.089165	-0.087503	0.002	0.015551	-0.022671	-0.08461	-0.021741	0.049167	0.021266	0.039835
32	-0.044319	-0.021857	0.056124	0.028527	-0.014718	-0.028192	-0.044113	-0.03851	0.012578	0.048474	-0.092704	-0.042149	-0.037163	-0.023359
33	0.028502	-0.017648	0.103371	0.026499	-0.019303	0.066724	0.005009	-0.073967	-0.063476	0.00139	0.0588	0.019225	0.011202	-0.000008
34	0.023751	0.003317	-0.030711	-0.045354	-0.059847	0.003545	0.011991	-0.041131	-0.030403	-0.019307	0.056342	-0.011951	0.046004	0.021232
35	0.062269	0.052633	-0.057833	0.008003	0.054307	-0.031939	-0.033273	0.051657	-0.018098	0.021544	0.029203	0.012179	0.027358	-0.049511
36	-0.094901	0.120393	0.029893	-0.016838	-0.044064	-0.046273	-0.106203	-0.072237	-0.036898	0.107866	0.028555	-0.018444	0.025508	0.019964
37	0.017948	-0.029113	-0.092351	-0.011918	-0.01237	0.116709	0.011301	0.090191	-0.018463	-0.009264	0.008986	0.08242	0.070394	-0.026638
38	0.019866	-0.004213	-0.00014	0.011538	0.009955	-0.023832	-0.030667	0.010068	-0.030395	0.046292	0.004435	0.011382	0.023158	0.009483
39	0.048972	0.037615	-0.038673	0.034405	0.042222	-0.007883	-0.025851	0.070954	0.062286	-0.006521	-0.021774	0.02767	0.013268	0.016061
40	-0.057962	-0.068055	0.058507	0.059651	0.059336	-0.050653	-0.039852	-0.010885	-0.039576	-0.039134	-0.063407	0.06362	0.003123	0.010537
41	0.006565	-0.055209	-0.028402	0.026856	0.019927	0.065555	-0.049741	-0.067326	-0.070786	0.034751	0.020206	-0.087693	-0.051988	0.015144

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
42	-0.023371	-0.024008	0.011283	-0.021205	-0.004229	-0.000064	0.081985	-0.006542	0.035847	-0.024301	0.014697	-0.033821	-0.00928	-0.023361
43	0.142656	0.114518	-0.026888	0.031166	0.061248	0.126346	0.023208	0.081201	0.005039	-0.005465	-0.0443	-0.016995	0.063642	0.024487
44	-0.038844	0.032655	-0.071682	-0.05634	-0.024389	-0.042324	0.001761	0.001139	-0.001052	-0.031044	0.03563	-0.006039	0.012103	0.099078
45	0.073106	-0.021948	-0.01627	-0.038532	-0.065255	-0.006581	0.015011	0.008092	-0.048231	0.017053	0.027971	-0.014924	-0.044408	-0.059171
46	0.037285	0.055052	-0.019184	0.016406	0.021561	-0.031325	-0.020155	0.080921	0.072792	0.040993	-0.000513	0.048018	0.076432	0.023749
47	0.013684	-0.083505	-0.022868	0.000961	0.042062	-0.012517	0.056482	-0.038231	0.059123	0.041328	0.039588	-0.023075	-0.023682	-0.03277
48	0.020324	0.045888	0.004132	-0.04228	-0.011597	-0.047592	-0.017855	0.011419	-0.086136	-0.010351	0.043389	-0.002852	-0.087768	-0.001276
49	-0.015524	0.013968	-0.025069	-0.067249	-0.027051	-0.08116	-0.060336	-0.006044	-0.065197	-0.019011	-0.015168	0.059593	-0.013337	0.028719
50	-0.00101	-0.020002	0.066522	0.064268	0.018831	0.016974	-0.101499	-0.05608	-0.008309	-0.018497	-0.078687	0.022388	0.032424	0.056447
51	-0.001873	-0.042207	0.038576	-0.091372	-0.160556	0.019251	0.004525	-0.065674	-0.015708	-0.108312	0.027338	0.034897	0.019753	0.028704
52	0.063881	-0.005534	-0.0708	0.022942	0.010921	-0.049647	-0.051835	0.038436	0.055572	0.021484	-0.034779	-0.004419	0.044614	0.051654
53	0.084614	0.016024	0.082281	-0.073657	-0.056465	-0.012047	-0.055778	0.029488	-0.028416	0.062218	0.111391	0.003319	-0.072436	-0.046224
54	0.063198	0.010025	-0.062454	-0.061012	-0.028024	0.048457	0.098832	0.019703	0.036256	0.033341	0.011404	-0.047475	0.010623	0.053974
55	-0.098383	0.037093	0.044249	-0.024822	-0.047653	0.056575	0.04928	-0.019449	-0.021764	0.045582	-0.082198	-0.030473	-0.028086	0.090427
56	-0.027843	-0.103831	-0.002715	-0.018503	-0.036715	0.013513	-0.014999	-0.09067	-0.129557	-0.053239	0.083047	0.064482	0.001171	-0.040348
57	0.010326	0.003071	0.061952	0.035046	-0.019808	-0.036718	0.011457	0.095784	-0.024788	-0.188074	0.016553	0.122213	0.046189	-0.03686
58	0.065457	-0.081279	-0.00227	0.068645	0.09663	0.033351	-0.023683	-0.031368	0.024539	0.004751	-0.110807	-0.060497	0.002227	-0.077885
59	-0.04656	0.037826	0.069102	-0.017786	0.000068	0.006441	0.047709	-0.089829	-0.081875	-0.044711	0.0156	0.03653	0.013645	-0.016961
60	-0.005036	-0.034079	0.009027	0.012887	0.080983	0.004048	0.034506	0.003833	0.01249	-0.014887	0.009747	-0.024048	-0.001698	-0.018494
61	0.021116	0.041325	0.008808	0.084279	0.03288	0.001454	0.010363	0.03093	0.059636	0.026912	0.038385	-0.061967	-0.059892	-0.060369
62	0.011424	0.083605	-0.028658	0.010269	0.011809	0.04222	0.013016	-0.040601	-0.022568	-0.002291	0.001004	-0.094081	-0.027743	-0.024711
63	0.028134	0.002013	0.069927	-0.079554	-0.072248	-0.03369	-0.007974	-0.031695	-0.033986	0.021988	-0.037844	0.030196	0.016584	-0.028529
64	-0.015674	0.002685	0.012539	0.008103	0.005492	-0.013506	-0.019806	-0.015774	-0.006617	0.02322	-0.010424	-0.015291	-0.002787	-0.031127
65	0.08778	-0.03857	0.073787	0.00434	0.005298	0.00952	0.004866	-0.063263	0.013023	-0.085501	0.051474	0.03873	-0.019369	0.059072
66	0.087758	-0.03162	0.007262	0.00602	-0.01549	-0.083349	-0.100059	0.072908	0.095052	-0.01598	-0.069829	-0.00274	-0.044232	0.000676
67	-0.05915	-0.038496	0.061921	0.0152	0.017137	0.096429	0.074412	-0.013597	0.042969	-0.054508	-0.005163	0.009972	-0.014057	-0.007041
68	-0.072236	-0.007315	-0.006985	0.028054	0.010869	0.009136	0.071777	-0.038473	-0.040025	0.001282	-0.022006	-0.030469	0.021148	-0.028518
69	0.010663	0.000375	-0.054738	-0.017337	-0.026377	-0.044135	-0.058159	0.069336	0.029049	-0.00714	0.010305	-0.01852	-0.048837	-0.081333
70	0.07563	-0.034741	0.03058	0.045939	0.063129	0.039979	-0.103944	-0.039823	-0.026307	0.046122	-0.023703	-0.01333	-0.002386	0.065833
71	-0.05333	0.030197	0.014701	-0.01786	0.047636	-0.005957	0.012885	-0.019349	0.06889	-0.040947	-0.074284	0.021374	-0.003931	-0.041312
72	-0.025706	-0.055917	-0.041347	0.029498	0.001931	0.062267	0.049378	-0.001112	0.037891	-0.028306	-0.019233	-0.040085	-0.070296	-0.012801
73	-0.044243	0.006524	-0.037157	-0.025531	-0.037585	-0.01332	-0.008921	0.02831	-0.000461	-0.033291	-0.006885	-0.004579	-0.036617	-0.114937
74	0.005091	-0.048907	0.030056	0.018109	0.035017	-0.024874	0.01233	-0.056909	0.021419	0.028037	-0.019256	0.042045	-0.005886	-0.011675
75	0.025716	-0.001925	-0.023384	0.014411	-0.012033	-0.029113	0.043702	0.069912	0.026521	-0.018702	0.03811	-0.006349	0.025617	-0.001394
76	-0.091904	0.014693	-0.008562	0.036473	0.001184	-0.013837	0.077968	-0.09585	-0.073202	-0.033642	-0.034619	0.021767	0.032634	0.004209
77	-0.027784	0.029015	0.030722	-0.025844	-0.010977	0.01293	0.033839	-0.019666	0.015562	0.084782	0.059789	0.002464	-0.010785	0.015824
78	-0.001571	0.050501	-0.047208	0.008143	0.023501	-0.074667	0.005475	0.004947	0.001032	-0.032519	-0.008227	-0.016005	0.104218	0.064411
79	-0.027919	0.036224	0.057976	-0.036797	-0.045608	-0.01366	-0.029261	-0.029155	0.006882	-0.024254	0.047292	-0.018262	-0.042729	-0.024387
80	-0.016799	0.004852	0.013834	-0.008514	-0.026295	-0.013488	-0.009483	0.03071	0.031692	0.041049	-0.006357	-0.012394	0.01022	-0.013269
81	-0.083399	-0.060472	0.027964	0.02336	0.05144	-0.024185	0.036617	0.044243	0.033346	0.02876	0.038105	0.067241	0.022072	-0.010074
82	0.036522	-0.000599	-0.018653	0.058504	0.054036	-0.054338	-0.022146	-0.013153	0.019966	0.026994	0.064394	-0.076956	0.091618	0.071901

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
83	0.044249	-0.001611	0.029296	-0.018405	-0.074974	0.032707	0.02766	0.025624	0.054863	-0.028477	-0.049294	-0.012176	-0.027821	-0.023789
84	-0.02869	-0.097466	-0.133506	-0.011509	0.050752	-0.015983	0.046711	-0.035946	0.051548	-0.015814	-0.000093	-0.005249	0.020691	0.042555
85	0.015691	0.013234	-0.057722	-0.004907	0.025161	-0.0227	-0.020733	-0.031911	-0.044868	0.055524	0.042652	0.002848	0.033371	0.028626
86	0.082396	0.031815	-0.03276	-0.094998	-0.075878	-0.038906	-0.020188	0.050106	0.046017	0.063771	0.064492	0.060672	0.051173	0.078388
87	0.065601	-0.041266	0.025879	0.103677	0.083623	0.051029	0.061176	-0.107719	-0.097078	-0.071582	0.011664	-0.041011	0.02186	0.083682
88	0.06701	-0.028185	0.035257	0.020422	-0.005066	-0.054885	0.037858	0.173307	0.010643	-0.00435	-0.010592	0.000633	-0.023449	-0.006463
89	-0.04122	-0.060524	-0.072394	-0.045024	0.006221	-0.043071	0.014887	0.084798	0.031494	0.069979	0.089749	0.02485	-0.066883	-0.093705
90	-0.165951	0.022924	0.018993	0.028582	0.006397	-0.025385	-0.009506	-0.112613	-0.059184	-0.052848	0.079841	0.027186	0.006157	-0.037882
91	-0.030403	0.053512	0.087459	0.069791	0.001243	-0.040202	0.042389	0.018107	0.023192	-0.034227	0.005813	-0.013845	-0.050459	-0.089184
92	-0.003311	-0.034386	0.051943	-0.014582	-0.078164	0.036308	-0.038508	-0.063801	-0.057026	0.034186	-0.070993	-0.024215	-0.032725	0.018498
93	0.045772	0.017282	-0.055493	-0.04341	0.028801	0.008666	-0.002868	0.035497	-0.040913	0.013634	0.071591	0.03989	-0.051375	-0.064124
94	0.020296	-0.032969	-0.020986	0.031251	0.054067	0.076734	0.039115	-0.00172	-0.001961	-0.022047	0.029664	0.082622	-0.004745	-0.080232
95	-0.034309	-0.033374	0.016431	-0.023067	-0.050228	-0.012944	-0.002904	0.02156	-0.018716	0.0782	0.073499	0.037545	0.003524	-0.012933
96	0.153198	-0.009714	0.030497	-0.005244	0.034244	-0.039739	-0.061637	0.028379	0.063103	-0.009015	-0.009796	-0.025487	0.03042	0.074194
97	0.000771	0.030264	0.069308	0.024237	0.037113	0.01203	0.036966	0.002139	-0.035495	-0.009423	-0.011104	0.002685	-0.041485	-0.032837
98	0.062351	0.030075	0.043373	0.037837	-0.043253	-0.008406	-0.008672	0.001322	0.015557	-0.009624	-0.006651	-0.005696	-0.014925	-0.069615
99	-0.006871	0.049054	-0.056375	0.026962	0.014715	0.010396	-0.001092	-0.023529	0.063405	0.036691	0.003094	-0.016916	-0.034595	0.011909
100	-0.016012	-0.001256	0.042983	0.056784	0.00937	0.019864	0.065759	-0.055792	-0.004314	-0.056667	0.055798	-0.00789	0.01568	0.023687
101	-0.113451	0.076703	-0.029125	-0.052102	-0.007954	0.078165	-0.080439	-0.026726	-0.126973	0.040542	0.04318	-0.069957	-0.02152	0.02454
102	-0.104168	-0.074216	0.055081	-0.04261	-0.038479	0.071142	0.000046	-0.006087	0.000181	-0.0076	-0.098501	0.005802	-0.079767	-0.001493
103	0.009236	0.008873	0.103999	-0.029979	-0.03869	-0.033086	0.005425	-0.047859	0.023873	0.026775	-0.006302	-0.000553	0.006416	0.029771
104	-0.01921	0.029557	-0.044137	0.02221	0.047664	-0.052646	0.049264	0.014162	-0.003171	0.003488	-0.032586	-0.05719	0.01112	0.0033
105	0.006384	-0.017743	0.009365	-0.0195	0.004608	-0.03178	0.03171	-0.058686	0.036669	-0.018818	-0.048799	-0.018866	0.000001	0.045889
106	-0.017741	0.046285	-0.015584	0.005902	-0.015814	-0.015003	0.04216	0.008837	-0.020886	-0.014974	-0.106729	0.004335	-0.006424	0.022459
107	0.028988	-0.047898	0.015816	0.054934	0.019725	0.041725	0.023139	-0.035341	-0.036763	-0.027962	-0.098132	-0.072759	0.017363	-0.002773
108	0.00333	-0.080018	-0.07071	-0.035373	0.055141	0.003678	-0.022109	0.006221	-0.015277	0.010249	0.07956	0.021802	-0.020691	-0.025932
109	-0.020078	0.025067	0.043318	-0.007777	-0.039066	0.025373	0.006064	0.055174	0.026291	0.003698	-0.021538	0.048253	0.032329	-0.007941
110	0.012729	-0.011829	0.025687	-0.008504	-0.036396	-0.005623	0.012353	0.016899	0.050245	-0.015743	-0.029243	0.010118	-0.010121	-0.010613
111	0.01482	-0.003976	0.044881	0.01928	-0.085263	-0.032027	0.010967	-0.019929	0.038834	0.000448	-0.076256	-0.057917	0.051421	-0.003552
112	0.072401	0.004277	0.032889	-0.04874	-0.053685	0.022356	0.043251	-0.010338	0.019305	0.017062	0.04624	0.061655	0.00025	-0.014393
113	0.037325	-0.014417	-0.024065	-0.001116	0.031987	0.036791	-0.027658	0.002039	0.066578	-0.041922	0.004973	0.02646	-0.010204	-0.000162
114	0.018862	-0.009131	0.041173	0.014006	0.026156	0.025839	0.02281	-0.006564	0.0128	-0.029496	-0.006122	0.029368	-0.002147	0.009409
115	0.002914	-0.001743	0.093217	0.004978	-0.032945	-0.082944	-0.030216	0.008713	0.072698	0.030984	-0.024841	-0.011113	-0.039886	-0.040874
116	-0.036267	-0.019094	-0.000967	0.031072	0.038306	-0.006027	-0.025293	0.041673	-0.007012	-0.00711	0.022737	0.027088	-0.01717	-0.012183
117	0.004637	-0.001709	-0.036308	0.045542	0.030548	0.054934	-0.014544	-0.033603	0.025899	0.051655	-0.046764	0.003273	0.03708	-0.052213
118	0.04779	0.009008	0.016827	-0.049304	-0.010393	0.024722	0.087229	-0.014648	-0.061347	0.001439	-0.024655	0.058409	0.038341	-0.018906
119	0.013687	0.031844	0.119311	-0.008578	-0.035641	0.00451	-0.016955	-0.081852	-0.028222	0.002927	0.046801	0.003654	-0.038614	-0.064631
120	-0.106068	0.012779	-0.018339	0.03347	0.010544	0.065246	0.009772	-0.015961	-0.038757	-0.088273	-0.013398	0.019508	-0.033836	0.014403
121	0.03174	-0.019271	0.089448	0.007145	-0.026745	-0.06226	-0.021467	-0.015762	0.020597	-0.006419	-0.002047	-0.070197	-0.055237	0.008574
122	-0.062301	0.020571	0.029967	0.045712	-0.03674	-0.002453	-0.025659	0.017585	0.051422	-0.006712	0.023417	0.008097	0.044804	0.028653
123	0.169126	0.050094	-0.017969	0.029965	0.033599	-0.013596	0.109678	0.065868	0.002899	0.038473	0.08599	-0.003504	-0.081654	-0.002179

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
124	0.013784	-0.057456	0.088177	0.072529	0.009694	-0.003876	-0.08452	-0.006067	0.034731	-0.067749	-0.033665	0.027023	0.020391	0.097589
125	0.062852	-0.041594	0.117534	-0.003819	-0.012539	-0.018484	0.02773	-0.055534	0.036311	-0.006616	0.027313	-0.004084	0.015509	0.027188
126	-0.092773	0.062175	0.051495	0.029837	-0.039147	-0.070319	-0.056711	0.055819	0.006932	-0.081827	-0.088301	-0.062308	0.050855	0.061391
127	0.027606	-0.065499	0.050448	0.007242	0.02318	-0.079543	-0.094027	-0.024106	0.113147	-0.008217	0.105284	-0.057377	-0.042331	0.074839
128	-0.038064	0.037342	-0.081968	0.023505	0.028298	-0.048885	-0.012847	-0.046976	-0.146284	0.004375	0.112042	0.044272	0.009163	0.016112
129	0.038087	-0.010226	0.001923	0.022243	-0.029963	0.014202	0.045215	0.007682	-0.009917	-0.0179	-0.016064	-0.052023	-0.021887	-0.009473
130	0.008173	-0.005964	-0.036801	-0.001643	0.003949	0.04462	0.024432	-0.016906	0.00211	-0.017804	-0.00807	-0.024456	0.018054	0.0449
131	-0.02354	-0.023046	-0.050725	0.025301	0.027388	-0.004446	-0.00996	0.022699	0.000256	-0.032584	0.007637	0.026296	0.004797	-0.029284
132	-0.06278	0.063363	0.065806	-0.045084	-0.005965	-0.004357	0.057319	0.000819	0.053808	0.027392	-0.052289	0.035117	0.062901	0.017166
133	0.053771	-0.01671	-0.043941	-0.030985	-0.006088	0.006374	-0.047703	-0.061917	-0.054563	0.00755	0.130523	-0.005288	-0.043241	0.035564
134	0.042602	-0.007634	-0.041979	-0.044766	-0.028001	-0.010339	-0.056642	-0.053509	0.008298	-0.020968	0.020996	0.006709	-0.016278	-0.023868
135	-0.070606	0.002305	-0.044591	0.003319	-0.042079	-0.047395	-0.043311	-0.008707	0.090223	-0.068541	0.010611	0.019608	0.018038	-0.023347
136	-0.003028	-0.011195	-0.01578	-0.017182	0.020605	0.011764	0.006777	0.049343	0.041159	0.059222	0.081318	0.032062	0.002389	0.005636
137	-0.009704	0.032549	0.008513	-0.010879	-0.038573	0.009319	0.016015	-0.004823	-0.000381	-0.056845	-0.070762	0.00101	0.031234	0.030255
138	0.001597	0.029284	0.002808	-0.019335	0.039346	-0.044751	-0.05429	-0.011042	0.028794	0.001113	-0.01982	-0.001197	-0.031387	0.000334
139	0.00673	0.01747	0.024558	0.00072	-0.007775	-0.001673	-0.001949	-0.010031	0.000349	-0.003221	-0.039933	-0.028173	-0.058002	-0.022192
140	0.021594	-0.011493	0.027432	-0.036124	-0.020141	-0.019502	-0.042357	0.016879	0.01675	-0.004339	-0.035898	-0.007783	0.003151	-0.028239
141	0.001002	-0.025977	0.038194	0.047999	0.03537	0.000322	0.047727	0.027985	-0.007392	-0.007321	-0.078231	-0.006786	0.009981	0.032473
142	-0.068742	-0.013218	0.007291	0.016816	0.015658	0.012879	0.01694	-0.019716	-0.020053	-0.036253	-0.039279	-0.017911	0.001697	0.017998
143	0.026105	-0.02828	0.002821	0.023257	0.018049	0.047749	-0.017897	-0.016598	0.052389	-0.049038	-0.083357	-0.014776	0.020967	-0.003968
144	0.033982	-0.01704	0.023289	0.002161	0.009298	-0.016279	-0.015124	-0.015158	0.002801	0.028691	-0.081592	-0.03005	-0.007526	0.031315
145	-0.079961	-0.003385	-0.012961	-0.015528	-0.002416	-0.005004	0.016479	0.034481	-0.025454	0.019837	0.068717	0.012221	-0.039831	-0.012074
146	0.021546	0.006647	0.005505	0.016537	-0.012272	0.009906	0.047264	0.022553	0.017648	-0.022036	-0.040367	-0.025252	0.019497	0.014494
147	-0.048782	-0.022003	-0.000424	0.017137	0.001028	-0.020966	0.017796	-0.000786	0.055929	0.002828	-0.015433	0.031967	0.024791	0.006297
148	0.014259	-0.02896	0.045385	0.012372	-0.028461	-0.035542	0.016329	-0.007766	0.011544	-0.001063	-0.001135	0.024754	0.040567	-0.009828
149	0.024831	0.022496	-0.012696	-0.038929	-0.034688	0.004867	-0.008467	0.032662	0.01844	-0.020009	-0.018562	-0.017488	-0.023653	0.000384
150	-0.001701	0.028809	0.013792	-0.014445	-0.043629	0.041243	0.005687	-0.003283	-0.023577	0.024084	-0.001105	-0.011377	-0.03273	-0.058098
151	-0.02563	0.042986	-0.029752	-0.03693	-0.006167	-0.009179	0.022888	-0.010595	-0.051607	0.020589	0.043025	-0.003447	0.006687	-0.012832
152	-0.026263	0.018886	-0.056648	0.005075	0.003836	0.017806	0.02488	-0.004932	-0.04502	-0.013279	0.018118	0.005628	0.027273	0.012957
153	0.018763	-0.014351	0.020916	0.046113	0.04959	0.035084	0.014755	0.024521	-0.025546	-0.036875	-0.030323	0.033813	0.014276	-0.015453
154	0.006329	0.020539	0.033609	-0.014891	-0.024984	-0.026775	0.01124	-0.028121	-0.007355	0.021887	-0.017784	-0.003335	0.050572	0.006028
155	0.01848	0.016367	0.000518	-0.01289	0.004205	0.016814	-0.024454	0.024302	-0.019277	-0.007212	-0.021601	-0.015864	-0.022523	-0.063615
156	0.044044	0.013458	-0.032561	-0.039746	-0.013272	-0.004323	0.014941	0.02513	-0.0461	-0.001683	-0.043636	-0.013967	0.038789	0.040412
157	-0.014723	-0.0146	0.004084	-0.02595	-0.013217	0.014262	-0.030418	-0.012949	-0.028058	-0.034027	0.031296	0.017943	-0.048107	-0.043523
158	0.006419	0.020817	0.027577	0.008121	0.018927	0.001393	0.004747	-0.022906	-0.017138	0.002288	-0.013016	-0.005414	-0.0258	0.007249
159	0.027518	0.018806	-0.003472	0.010008	0.038182	0.00157	0.014827	0.006787	-0.039687	0.028036	0.050334	-0.029645	0.011616	0.00804
160	-0.01952	0.003541	0.002589	0.00286	0.030103	-0.031792	-0.012529	-0.003913	0.010904	-0.002575	-0.012051	-0.010055	0.00309	-0.00543
161	-0.028234	-0.022074	-0.02071	-0.001356	-0.029055	0.001222	-0.022511	0.053249	0.002899	0.039096	0.035127	-0.00946	-0.010459	-0.005264
162	-0.040389	0.022386	-0.022341	0.009145	0.048607	-0.045218	0.0356	0.002241	0.013632	-0.009597	-0.03995	-0.032033	0.03998	0.068002
163	-0.049118	-0.022824	-0.044168	0.032626	0.014231	0.004856	-0.027203	0.029911	-0.000307	0.013291	-0.018121	0.001289	-0.015553	-0.036245
164	0.067959	-0.019935	-0.048512	-0.015934	0.027242	0.008778	0.000896	0.045849	0.022376	0.036084	0.00254	-0.027821	-0.001894	0.017973

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
165	-0.034891	-0.027043	-0.006891	-0.004738	-0.013254	-0.015313	-0.018362	0.009866	0.000342	-0.01552	0.023436	0.046751	-0.023343	-0.021658
166	0.013087	0.000485	-0.019875	0.027144	0.031139	-0.029697	0.036421	0.01807	-0.00655	0.027014	0.012998	-0.017593	0.010221	-0.026657
167	-0.016156	-0.001802	-0.065149	0.004668	0.026814	-0.030939	-0.008076	0.008827	0.001706	0.020783	-0.021764	-0.012721	-0.02155	-0.024328
168	-0.060808	0.018313	0.074858	0.021803	-0.049643	-0.00015	-0.066282	0.02305	0.049144	-0.006705	-0.019646	0.037258	-0.004561	-0.01228
169	-0.01607	-0.004663	-0.00436	0.000243	0.001052	-0.029059	-0.007153	0.029002	0.024702	0.0005	-0.024816	0.005399	0.001052	0.033148
170	-0.013719	-0.010004	0.009796	-0.001551	0.010839	-0.033138	-0.012972	0.018244	0.023672	0.011075	-0.003781	-0.00577	0.020277	0.052329
171	-0.006007	0.010212	-0.006639	0.008091	0.012803	-0.016989	-0.000969	0.002852	0.00596	0.010002	-0.032065	-0.00116	-0.001459	0.035576
172	-0.029173	0.037256	0.027987	-0.00174	-0.023963	0.006145	0.015721	0.019007	0.013327	-0.006639	-0.030921	0.021292	-0.003702	-0.004942
173	-0.013246	0.041305	0.066295	0.023501	-0.004245	0.009137	0.038159	-0.008113	-0.007991	0.002964	-0.010949	0.010226	0.036187	0.011356
174	0.011132	0.016464	0.028024	0.001193	-0.000243	0.008441	-0.031191	-0.003273	-0.014258	0.033416	-0.053969	-0.011837	0.01137	0.017401
175	0.041206	0.006015	-0.031145	-0.024929	-0.000917	-0.015964	-0.024355	-0.032357	-0.00277	0.033451	0.035867	-0.015125	-0.003546	0.025659
176	-0.001631	-0.030793	-0.000483	-0.012563	-0.03132	-0.009126	0.028291	0.030472	0.024003	-0.021253	0.003806	0.016718	-0.043172	-0.022557
177	-0.014966	-0.016903	-0.041253	-0.03269	0.011859	0.025631	-0.041238	0.015382	0.013136	-0.000005	-0.007897	0.032302	-0.012435	-0.029147
178	0.037717	-0.012064	0.035867	0.005938	-0.00671	0.006834	0.000102	0.010429	0.001151	-0.035401	-0.009553	-0.001805	-0.028717	0.006383
179	-0.00301	-0.001854	-0.024149	-0.007121	0.006205	-0.015803	0.013764	0.007907	0.010981	-0.007536	-0.007047	0.000962	0.006062	-0.002824
180	-0.007175	-0.027508	-0.006608	0.006522	0.021079	-0.003664	0.009139	-0.00692	-0.00942	-0.023164	0.02318	0.006782	0.006237	0.007293
181	0.031413	-0.013616	-0.016028	-0.003432	0.014937	0.005078	0.012383	0.002892	0.005491	0.00493	0.002156	-0.008108	0.0048	-0.00915
182	0.061991	-0.026264	0.015545	-0.011368	-0.023864	0.001454	-0.004663	-0.033327	0.022844	-0.008745	0.023065	-0.032728	-0.014643	-0.022632
183	0.025445	-0.01645	0.020576	0.015992	0.012991	-0.002067	-0.010714	-0.037396	-0.006863	-0.014224	0.008425	-0.017104	-0.051089	-0.03393
184	0.005095	0.006749	0.033754	0.027082	0.02265	0.032654	0.012889	0.023765	-0.023538	-0.015178	-0.029135	-0.017772	-0.039193	-0.038142
185	0.01366	-0.007913	0.006428	0.036061	0.035702	0.024428	0.013688	-0.041087	-0.078972	-0.028609	0.030164	-0.009464	-0.015257	-0.017856
186	-0.021311	-0.034335	-0.045747	0.010951	0.029516	0.041383	-0.027279	-0.015743	-0.047927	0.000302	0.01413	0.008244	-0.002216	-0.022845
187	0.016717	0.00671	0.00437	0.035798	0.020733	-0.023798	-0.020677	-0.016644	-0.021839	-0.027846	0.063944	-0.027881	0.008096	0.002556
188	0.011084	0.016524	0.010569	0.013636	0.001898	-0.028283	-0.020112	-0.00319	-0.009084	-0.003404	-0.046986	-0.006408	-0.00627	-0.002629
189	0.041278	-0.008727	-0.053274	0.008803	0.036603	0.001434	-0.009045	-0.011746	0.007563	0.031179	-0.015371	0.004694	0.017394	0.008248
190	0.010582	-0.044164	0.031388	0.000133	0.006714	-0.014114	0.007478	-0.023171	0.002886	-0.006544	0.034389	0.037879	-0.033395	-0.02811
191	0.010431	-0.0046	0.032298	-0.016848	-0.031002	-0.010554	-0.016137	-0.028226	-0.016007	-0.043786	0.017822	0.007607	0.008553	0.007408
192	0.056139	0.019153	-0.004509	-0.012979	-0.004237	0.00445	0.009945	0.021974	0.080943	0.014435	-0.045504	-0.007263	0.004117	0.017128
193	0.046707	0.009467	0.010994	-0.017886	-0.044513	-0.006393	0.025798	0.019702	0.002786	-0.030072	-0.016867	-0.003175	0.049318	0.007611
194	-0.038936	0.01224	-0.07561	-0.003783	-0.004534	0.009827	0.006516	0.017953	0.005423	0.007511	-0.000604	-0.005699	0.006243	0.011454
195	0.020916	-0.013118	-0.00023	-0.014734	-0.020922	0.026214	-0.013229	-0.006289	0.000895	0.002892	0.048397	0.006979	0.004272	-0.000877
196	-0.001475	-0.00249	-0.013165	-0.00207	0.005278	0.046407	0.010803	0.0196	0.007294	-0.010878	-0.023834	0.000826	-0.004311	0.031044
197	0.017959	-0.014258	-0.025368	-0.000153	-0.017387	0.026345	0.032338	0.070578	0.061315	-0.018589	-0.034532	0.005323	0.01787	-0.037269
198	0.091776	0.014337	0.030183	-0.012084	-0.030806	-0.00584	-0.023726	0.018643	0.018535	0.013535	0.007407	0.023044	0.012791	-0.021143
199	0.020249	0.001285	0.040237	0.008506	0.012595	0.009238	-0.016235	0.029947	-0.009633	0.005571	-0.008475	0.024821	0.006053	0.007975
200	-0.048171	0.027148	-0.020759	-0.003958	0.022468	0.012323	-0.04042	-0.005739	0.002459	0.023871	-0.013644	-0.033881	-0.015703	0.014005
201	0.074134	0.042154	-0.027302	-0.037599	-0.025502	-0.005422	-0.026929	0.012218	-0.055534	0.005224	0.041295	0.014959	-0.002538	0.012648
202	-0.036193	0.021902	0.001029	0.00706	-0.009839	-0.005517	0.035687	-0.023707	-0.009246	-0.005804	-0.000731	-0.007076	0.034956	0.01523
203	0.001751	-0.014234	0.007004	0.002329	-0.011315	0.000508	-0.035781	-0.010407	0.031004	-0.002441	0.014177	0.032808	-0.017227	0.012415
204	0.044232	-0.024828	0.037589	-0.002756	0.007952	-0.034069	-0.028021	-0.007523	-0.060104	0.047704	0.043514	-0.007741	-0.024596	-0.008227
205	0.003188	-0.022041	0.02026	-0.013402	-0.027201	-0.009816	0.002254	-0.01553	-0.025587	-0.010915	0.010911	-0.042325	-0.053027	-0.02301

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
206	-0.018159	0.004139	-0.041704	-0.000237	0.036212	0.002369	0.026702	-0.015758	-0.016064	-0.00957	-0.046674	0.005854	0.053386	0.04375
207	-0.001573	-0.00953	-0.038939	0.027896	-0.00728	0.00662	-0.013147	0.005745	0.014616	-0.014479	-0.004626	-0.022652	0.025218	0.015328
208	-0.044809	-0.025796	-0.028014	0.015135	0.013624	0.006488	0.031377	0.005993	0.00608	-0.002244	-0.027816	0.023901	0.075405	0.009522
209	-0.028847	0.002121	-0.05695	0.023555	0.009264	0.055048	0.029169	0.022184	0.011458	-0.001895	-0.021579	-0.02232	0.047897	0.018906
210	0.031411	-0.028902	-0.003086	-0.00743	-0.013467	0.056298	0.033406	0.02185	-0.008816	-0.009419	0.011344	-0.015103	-0.029591	-0.002724
211	-0.01933	0.023634	0.038157	-0.001074	-0.002796	0.035487	0.010993	-0.008394	-0.005153	-0.020184	-0.012887	-0.023322	-0.018262	-0.015194
212	-0.013978	0.003865	0.010692	0.002176	-0.017187	0.007795	-0.031455	0.008875	0.036981	0.043364	0.017775	-0.00625	-0.008829	0.007919
213	-0.04156	0.007648	-0.012396	0.028086	0.00441	0.003694	-0.006947	-0.025342	-0.002247	-0.007449	-0.000786	0.021359	0.007269	0.016002
214	-0.009687	0.013553	-0.018059	-0.007089	0.012302	-0.000801	0.005719	0.028281	0.023056	0.000069	-0.035197	0.01104	0.008499	0.015703
215	-0.057152	0.023122	0.027746	-0.023311	0.011521	-0.000015	0.026672	-0.014714	-0.077045	0.025223	-0.041512	0.032441	-0.001386	-0.040974
216	0.068831	-0.01786	0.005863	-0.000562	-0.031	0.012506	-0.034404	-0.021052	-0.04716	0.031607	0.00394	-0.012927	-0.008473	-0.016309
217	0.02357	-0.000497	-0.016846	0.00776	0.017422	-0.032964	0.0085	0.009513	-0.025294	0.014792	0.012996	0.031192	0.002497	0.020965
218	0.049016	-0.00536	0.01629	0.035851	0.020063	0.023756	0.004256	-0.000305	0.006806	0.02831	0.002365	-0.014414	0.008627	-0.006414
219	0.035892	0.025764	0.036487	-0.014668	-0.010212	0.003674	-0.005803	0.028522	-0.034932	0.03267	-0.001785	0.002748	-0.016234	-0.017199
220	0.000013	-0.003792	0.014503	0.028574	0.042597	0.018896	0.019712	-0.009535	0.001084	0.038363	0.047202	-0.060125	-0.005928	-0.029892
221	-0.002282	0.012093	0.081794	0.022286	0.001433	-0.029761	0.035296	0.026207	0.020039	-0.087377	-0.011474	0.037606	-0.02356	-0.046652
222	-0.004092	0.031515	0.057667	0.00286	0.000276	0.021035	0.036623	-0.022503	0.003775	0.027391	-0.00164	0.034779	-0.002622	-0.026725
223	0.055333	0.004096	0.037405	-0.000068	0.002371	0.026426	0.01987	-0.038191	-0.042548	0.039729	0.059652	0.03463	0.00013	-0.010309
224	0.0019	0.01555	0.030648	0.007656	0.027328	0.006469	0.008025	0.037251	-0.017791	0.014075	0.02121	0.012561	-0.029958	-0.025451
225	0.000871	0.019743	0.021156	-0.001563	0.010862	0.024623	0.002179	0.017773	-0.013838	-0.006892	0.009075	0.002676	-0.029895	-0.034491
226	0.014952	0.015885	0.044008	0.037435	0.010065	-0.001642	0.030096	0.034687	0.043614	0.006006	0.019347	0.02636	0.009096	-0.021588
227	-0.065574	0.022173	-0.009054	0.008599	0.012871	0.011245	0.002271	0.013577	-0.007559	-0.022839	-0.024284	-0.007936	0.039225	0.062736
228	-0.051475	-0.021002	-0.040526	0.024573	0.017706	-0.002474	0.002764	0.045519	0.024509	0.015815	0.037537	-0.022243	-0.004583	-0.036471
229	-0.007929	0.020301	0.023944	0.022292	0.003873	-0.009616	-0.034663	0.021326	0.02428	-0.018851	-0.019015	-0.007339	0.034776	-0.002413
230	-0.025409	-0.022207	-0.00298	-0.033411	-0.039458	0.021921	0.014994	0.023736	0.015003	0.010951	-0.039362	0.012673	-0.003234	-0.017391
231	-0.039674	-0.045098	0.005763	-0.041279	-0.06331	-0.019088	0.006231	0.020877	0.053632	-0.04825	-0.01098	0.016867	0.001348	-0.011105
232	-0.078034	-0.040479	0.003581	-0.016454	-0.000165	0.007714	-0.039775	-0.050378	-0.004592	-0.051538	-0.007952	0.049293	-0.011995	-0.112153
233	0.014138	0.014853	0.04031	0.015668	-0.019265	-0.040292	-0.163593	-0.091063	-0.039215	-0.012907	-0.011851	-0.03856	-0.007773	0.052224
234	-0.139246	-0.002852	0.072223	0.004535	-0.026933	-0.013671	-0.094761	-0.010469	0.007287	0.046144	-0.016489	-0.025762	-0.03342	-0.017397
235	0.56956	-0.006369	0.004368	0.004382	-0.028268	-0.038417	0.002257	-0.081322	-0.065439	-0.004317	-0.021802	0.013151	0.018102	-0.030091
236	-0.002535	0.774662	-0.009995	0.009258	0.001735	0.006888	-0.00152	-0.056403	0.018026	-0.015208	0.001374	-0.008778	-0.060269	-0.04714
237	0.023066	-0.010636	0.67614	-0.047859	0.054028	0.02306	-0.003927	0.043385	-0.011952	0.023483	0.046124	-0.022029	0.033451	0.011058
238	0.007599	0.025306	-0.054454	0.816602	-0.114706	-0.010343	-0.027388	0.021888	-0.036744	0.033755	0.019794	0.033687	-0.008248	-0.003062
239	-0.033637	0.021086	0.042516	-0.138945	0.792647	0.001991	-0.022891	-0.000408	-0.023815	-0.010674	-0.033584	0.031192	-0.009346	-0.018403
240	0.00181	0.023551	0.045536	0.003744	-0.014039	0.755981	-0.101317	0.026903	0.031507	0.005279	0.013794	0.009173	0.006638	0.010523
241	-0.01832	-0.018179	0.023011	-0.008462	-0.023605	-0.114479	0.708164	-0.026927	-0.00156	0.025087	-0.020262	-0.01729	-0.039528	-0.005783
242	-0.116863	-0.066758	0.043605	0.015881	-0.011178	0.023574	-0.012826	0.704636	-0.158128	-0.003925	0.046165	-0.043935	-0.016524	0.00983
243	-0.07652	0.011096	-0.018069	-0.016372	0.003543	0.039673	0.004207	-0.134564	0.673889	-0.003165	0.07279	0.017084	-0.014644	-0.017838
244	-0.02671	-0.023202	0.021742	0.042854	0.008803	0.005575	0.02016	-0.010766	0.006216	0.797796	-0.049547	0.031059	0.011563	-0.003245
245	-0.030185	0.009403	0.058099	0.034862	-0.018103	0.0215	-0.000796	0.014738	0.065004	-0.058732	0.663085	-0.030543	0.03623	0.043621
246	0.019274	0.018535	-0.015276	0.02412	0.002394	0.031012	-0.001713	-0.03763	0.021565	0.040659	-0.04169	0.820912	-0.041837	0.020521

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
247	0.003996	-0.055803	0.025447	-0.03089	-0.028298	-0.002458	-0.029847	-0.017075	-0.015036	0.027732	0.036689	-0.040015	0.806347	-0.106932
248	-0.019255	-0.054309	0.010235	-0.019134	-0.01514	-0.004345	0.004694	0.036212	0.007246	0.019714	0.015253	0.028215	-0.12013	0.775801
249	-0.00065	-0.023699	0.046447	-0.016499	0.011731	-0.118778	-0.087203	0.039574	0.015649	0.052839	0.008472	0.033306	0.009029	-0.063431
250	-0.005841	-0.027256	0.012702	0.028389	0.043299	-0.119396	-0.118482	0.005597	0.017943	-0.007222	0.075684	-0.034557	-0.015909	0.028683
251	-0.085119	0.024768	-0.007809	0.006396	0.013485	-0.130341	-0.05631	-0.010407	-0.030884	-0.044618	-0.019001	0.009035	0.046476	0.036592
252	-0.025923	-0.01745	0.022657	-0.005323	-0.030602	-0.01868	-0.041629	-0.069853	-0.110951	-0.018806	-0.090411	0.039576	0.00928	-0.013655
253	0.024696	-0.009268	-0.024166	0.02918	0.021744	0.026827	0.01131	-0.020797	-0.105795	0.001675	0.008937	-0.018624	0.042215	0.045716
254	0.040022	0.010353	0.027547	0.003388	-0.002585	0.020727	-0.033736	-0.023839	-0.016543	-0.045967	0.012244	0.012827	0.033303	0.009636
255	0.017975	0.011549	0.051149	0.024039	0.006574	-0.033	-0.011301	0.011032	0.00566	-0.096003	-0.005954	-0.031757	-0.018433	-0.007583
256	-0.000081	0.022327	0.077764	0.014235	0.009726	0.002034	-0.026503	0.085508	0.045966	0.003895	-0.159946	-0.013468	-0.011656	0.003506
257	0.00703	0.005669	0.033832	0.016627	0.016267	0.031409	0.01642	0.006529	0.033123	0.01244	0.003838	0.011098	0.006415	0.018641
258	0.012788	-0.042996	0.024059	0.010673	-0.022332	-0.020221	-0.019586	0.017644	0.015402	0.010989	0.007367	0.019867	-0.070248	-0.081221
259	0.003154	-0.010515	0.013439	0.018092	0.024747	-0.055016	-0.003818	-0.055244	-0.047474	0.019412	0.018034	0.012096	0.006767	-0.009678
260	0.016585	-0.022552	-0.015092	0.037036	0.025306	-0.00198	-0.028911	-0.02058	-0.024702	-0.01591	-0.017869	0.012745	0.007226	-0.004882
261	-0.02805	0.011704	-0.020899	-0.008753	0.01407	-0.069207	-0.014551	-0.005801	-0.024501	0.009785	-0.030688	0.00892	0.016347	0.00855
262	-0.007488	-0.060074	-0.008031	-0.007053	-0.012504	0.004624	-0.000573	-0.066522	0.002749	0.027167	-0.009843	-0.010596	-0.019728	-0.004262
263	0.002035	-0.033208	-0.020812	-0.005863	-0.012066	0.036476	0.041487	-0.025957	-0.00715	0.035953	-0.033742	-0.009165	0.016339	-0.023101
264	-0.001925	0.047244	0.021063	0.004134	-0.008047	-0.016383	-0.002022	0.04646	-0.000183	-0.005958	-0.007166	0.00717	0.014647	-0.004837
265	-0.018235	0.037141	0.020083	0.000418	-0.045357	-0.000421	0.016359	0.018602	-0.035771	0.010731	0.019642	-0.00338	0.002746	0.006153
266	-0.024399	0.002814	0.029935	0.008247	-0.010468	0.012434	0.017948	0.026579	0.002827	0.008501	-0.036684	0.002176	-0.0201	-0.006419
267	0.033479	0.034151	0.049244	0.027145	0.015154	0.013461	0.024938	-0.019955	0.003646	0.018258	0.005985	0.001324	-0.015033	0.018517
268	0.001481	0.024747	0.048412	0.027656	0.001849	0.00178	0.012938	0.000168	0.010083	0.023646	0.058915	0.039728	0.007233	-0.000973
269	-0.030499	0.017968	0.035264	0.020586	0.034203	-0.003414	-0.009904	-0.003411	-0.004719	0.022824	0.061558	0.051855	0.016156	-0.015638
270	-0.016169	0.029037	0.049425	0.056561	0.018837	-0.0011	0.01855	0.013466	0.004976	0.007258	0.034858	0.034113	0.044356	-0.004706
271	-0.085001	-0.015547	-0.038764	-0.005146	-0.004047	0.036426	-0.032526	-0.055371	-0.051056	-0.00088	-0.03173	0.005403	-0.020639	0.002362
272	0.089107	0.028609	0.014549	-0.02267	0.012681	-0.019812	0.027089	0.089937	0.039682	0.006689	0.022821	0.017888	0.014249	0.012099
273	0.030911	0.005007	0.029588	0.027215	0.037519	-0.004858	0.041867	0.022452	0.007345	0.018385	0.050879	0.040645	0.009426	0.001946
274	0.008044	0.005321	0.026321	0.027803	0.039003	-0.011205	0.032016	0.025494	0.003878	0.014012	0.05787	0.037202	0.004752	-0.001987
275	-0.0009	-0.021438	0.016427	0.004392	0.012942	0.019285	0.011329	0.035228	-0.022567	-0.011047	-0.024379	0.008749	-0.009218	-0.030616
276	0.01996	-0.177541	0.022645	0.008557	0.006354	0.00206	0.021297	-0.028423	0.03821	0.011277	0.000142	0.010826	-0.03968	-0.025974
277	0.002533	-0.039141	-0.051276	-0.003658	0.005287	0.032395	0.006969	-0.039551	0.006937	0.024549	0.045647	0.006657	-0.011553	0.002589
278	0.05943	-0.026182	-0.024326	-0.004945	-0.015295	0.012003	0.00088	-0.028309	0.025143	0.020394	0.005195	-0.005891	0.006569	0.022883
279	-0.033082	0.024798	0.078471	-0.121896	-0.166479	-0.022778	-0.020637	0.032716	-0.008349	0.013416	-0.028458	0.062037	0.010297	-0.044242
280	-0.044548	0.02889	-0.005484	0.003453	0.018432	0.033786	0.035596	-0.093837	-0.225114	0.010245	0.036936	0.02294	0.018561	0.049304
281	-0.020592	0.024462	0.050539	0.039377	0.013982	-0.007815	0.011235	-0.037361	0.003586	0.052118	-0.005527	-0.096739	-0.055169	-0.036069
282	0.039183	0.002692	0.108664	0.037443	0.028378	-0.008116	-0.01305	-0.059599	-0.026287	0.045159	-0.011415	-0.070322	-0.0482	0.008647
283	-0.006002	-0.061455	0.045691	0.007821	-0.010934	-0.018292	-0.013353	0.030693	-0.013716	0.011117	0.027733	0.000836	-0.129471	-0.112122
284	-0.031604	0.004709	0.051256	0.021547	0.020923	0.022765	0.011653	0.009716	0.02169	0.011336	0.028707	0.024692	0.02831	0.033633
285	-0.001275	-0.016511	0.067778	0.034021	0.032968	0.034058	0.026043	0.011791	0.003031	0.008934	0.04587	0.028827	0.037869	0.047445
286	0.009125	0.030981	0.003393	0.003569	0.011569	-0.013741	-0.025686	0.009986	-0.012799	0.025182	0.019753	0.064024	0.03819	0.016787
287	0.03135	0.036633	0.031176	0.026692	0.028161	-0.004935	-0.010062	0.025678	-0.018862	0.015751	-0.010403	0.065068	0.059327	0.035964

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
288	-0.009893	-0.065354	-0.002009	0.049784	0.036183	-0.019593	-0.017407	0.029104	0.029293	0.042204	0.027084	0.00175	-0.020417	-0.076405
289	-0.040133	-0.073722	0.070038	0.036062	-0.004492	0.020189	0.009468	-0.04583	0.016553	-0.004268	-0.002185	-0.013787	-0.030115	-0.010433
290	0.028026	0.010001	-0.033047	-0.019161	0.02086	0.004842	0.024963	0.004433	-0.031476	0.006796	0.00301	0.027955	0.010451	0.008919
291	0.023668	0.016579	-0.034372	-0.024216	0.011127	0.001949	0.019927	0.002905	-0.02733	0.003523	-0.002414	0.024298	0.004341	0.003317
292	-0.052654	0.017372	-0.036723	-0.050803	-0.015908	-0.005893	-0.004373	0.021413	-0.038515	-0.013996	0.035314	0.025904	0.001213	-0.003274
293	-0.030019	-0.042696	0.014561	0.023025	0.004586	-0.010031	0.041651	-0.05528	-0.039019	0.052022	0.029676	-0.0079	-0.012707	0.008652
294	-0.045702	0.012269	0.01041	0.025955	-0.004651	0.022498	-0.022655	-0.002135	-0.04527	-0.006458	0.01293	0.006608	-0.012263	-0.019786
295	0.004172	0.014611	0.001073	0.003614	-0.019171	-0.001813	0.034741	-0.032529	-0.021218	0.036572	0.006299	-0.014746	-0.002079	0.011829
296	0.004944	0.025647	0.017831	0.007128	0.000579	0.022377	0.000671	0.011723	-0.004993	0.012881	0.007401	-0.001056	-0.018226	-0.014314
297	-0.03614	0.002162	0.031111	0.016353	-0.018517	-0.0029	0.031093	-0.035678	-0.002552	0.043842	-0.02013	0.005328	0.022071	0.025395
298	0.057444	-0.015513	0.018269	-0.017978	-0.026075	0.011714	-0.005844	0.013481	0.022911	-0.052427	-0.03604	0.023085	0.003056	0.005643
299	0.020515	-0.031735	-0.011635	-0.014256	-0.027685	-0.001586	-0.019247	-0.018606	-0.025629	-0.001434	0.000796	0.02496	-0.008239	0.007294
300	-0.030382	0.007176	-0.033678	-0.006601	-0.007548	-0.033012	-0.015462	0.048519	0.022302	-0.016948	-0.011885	0.041946	0.049967	0.016781
301	-0.014394	-0.026745	0.019274	0.002229	-0.017613	0.04085	0.031483	-0.020494	-0.019932	0.011618	-0.001067	-0.018404	0.010768	-0.003467
302	-0.025525	0.013082	0.050331	0.016392	-0.021061	0.030182	0.028312	0.00338	0.002279	0.027402	-0.013524	-0.023461	0.022451	0.000968
303	0.056484	-0.009015	0.015688	-0.005173	-0.000415	-0.028515	-0.040625	0.001218	-0.045251	-0.038279	0.015292	0.028597	-0.037114	-0.008963
304	0.007157	0.002223	-0.02961	0.024797	0.004537	-0.010003	0.06013	0.029655	-0.020414	-0.022924	-0.008304	0.006532	0.003605	-0.011471
305	0.073917	-0.00317	-0.009288	0.01018	0.026787	0.032868	0.01907	0.045599	0.039761	-0.035472	0.011757	-0.025083	0.011839	0.012724
306	-0.020162	0.006863	0.008655	-0.014665	-0.023449	0.002118	0.03052	-0.020617	-0.007126	-0.030411	-0.004315	-0.023644	-0.048721	-0.021225
307	0.014614	0.00521	0.037173	0.001061	0.017121	0.018504	0.043732	-0.052759	-0.003593	0.018458	0.003812	0.034425	0.064299	0.032417
308	0.032759	-0.002508	0.043276	-0.003177	-0.003975	0.029074	0.029478	0.039108	0.027307	0.005861	-0.037	-0.007563	0.02185	0.022736
309	0.017697	0.007828	0.012955	-0.023283	0.001763	-0.006322	0.029992	0.018392	-0.014288	0.045193	-0.007595	-0.002616	0.004699	0.009832
310	-0.001766	0.013989	-0.001619	0.023646	0.035839	-0.027156	0.032598	0.008793	-0.010666	-0.020791	0.017667	-0.01704	0.007865	-0.005306
311	-0.013027	0.009853	0.023137	0.020223	0.006723	0.002367	-0.000527	-0.039358	-0.006373	0.01492	0.010305	0.03629	-0.003807	-0.012923
312	-0.011566	0.035372	-0.032254	0.026014	0.043628	0.002546	-0.029742	-0.023055	0.005028	-0.004802	0.052417	0.002156	-0.018673	0.001912
313	0.006882	0.030144	0.016639	-0.012406	0.003415	0.049324	0.01708	0.036485	0.045812	-0.001651	-0.017269	-0.006197	-0.010669	-0.033773
314	-0.066001	-0.011379	0.000248	0.03987	0.00916	-0.042363	-0.036148	-0.010845	-0.007298	-0.007148	-0.065429	0.019922	0.012366	-0.007097
315	-0.037709	0.003707	-0.026489	-0.009718	-0.002002	0.021547	-0.023623	0.010785	0.01506	-0.004752	-0.014176	0.004013	-0.007067	0.004934
316	0.026875	-0.003675	-0.013371	-0.011072	-0.010113	0.036705	-0.023488	-0.005267	-0.051967	-0.018556	-0.002797	0.00488	0.022046	0.025129
317	-0.018272	0.01669	0.011981	0.004443	-0.006047	0.018014	0.036466	0.002999	-0.014161	0.010138	-0.029096	-0.012033	0.012111	0.012375
318	0.003988	-0.038127	-0.071558	-0.00013	0.029824	-0.006313	-0.008965	0.016039	0.023096	-0.026909	0.023173	0.013979	-0.035374	-0.038009
319	0.010431	0.016482	-0.023988	0.012324	0.022254	0.014359	0.017164	0.033823	0.012377	-0.019094	-0.004402	0.011502	0.028252	0.016846
320	0.058432	0.024148	-0.009659	0.003305	0.000278	0.029636	-0.044549	0.012804	0.035128	0.039547	0.023339	-0.054565	-0.017067	0.02303
321	-0.034404	0.012124	-0.008442	-0.010144	-0.006676	0.033367	-0.04334	-0.001179	-0.03622	0.028915	-0.0007	-0.020093	0.000476	0.044878
322	-0.035861	-0.011654	-0.01585	-0.013512	0.006921	0.014306	0.0087	0.006991	-0.033504	0.037607	0.017399	-0.01243	-0.032999	-0.017429
323	0.002797	0.024195	-0.027149	-0.006552	-0.004983	-0.025874	-0.000059	-0.007912	0.005808	0.037071	0.018279	-0.017033	-0.010326	-0.009038
324	0.017498	-0.011111	0.000932	0.014867	0.025716	0.004088	-0.027589	0.002297	0.034832	-0.015403	0.020579	-0.010207	-0.009342	-0.013719
325	0.031275	-0.01168	-0.014973	-0.005733	0.035204	0.004626	0.011474	-0.00188	-0.000685	0.021156	0.011237	-0.005149	0.034023	0.04039
326	0.040042	-0.019954	-0.001119	-0.00755	0.00361	-0.046428	-0.08713	-0.022761	-0.023752	0.006964	-0.022182	0.02516	-0.016474	0.003856
327	-0.036029	0.008994	-0.00205	-0.014347	-0.016094	0.003166	0.006308	-0.00092	-0.001654	0.010533	0.00791	-0.010464	0.007988	0.004863
328	-0.02384	0.013038	-0.005843	-0.009581	0.000976	0.003005	0.028068	0.033368	-0.005392	0.036695	0.021298	-0.002148	-0.004826	0.015502

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
329	-0.035169	-0.00546	-0.043984	-0.010752	-0.027691	0.007538	-0.003552	0.015593	-0.001828	-0.001857	0.001394	0.009066	0.014051	-0.007207
330	-0.019672	-0.006165	-0.018866	0.021335	0.002795	0.004671	-0.029678	-0.060123	0.007117	0.006892	0.006719	-0.040212	0.016587	0.024105
331	0.005417	-0.011836	0.010843	-0.018933	-0.013393	-0.03565	-0.036001	-0.022866	-0.001713	0.011403	0.030782	0.004451	-0.023295	0.001209
332	-0.03145	0.007981	0.0132	-0.015291	0.001375	-0.025329	-0.000375	0.014545	0.010501	0.019315	0.015466	0.011455	0.004739	-0.02481
333	-0.014338	-0.021309	0.036141	-0.010997	-0.010081	-0.011113	0.014644	-0.012784	-0.019438	-0.011521	0.022647	0.014042	0.013362	-0.007535
334	0.018148	0.008426	0.001978	-0.007392	-0.016807	0.004285	-0.015135	-0.028378	-0.000728	-0.00396	0.004287	0.031067	-0.020199	-0.010507
335	-0.000161	0.0005	0.005599	0.004208	0.022029	-0.01943	-0.010805	0.025229	-0.013561	0.010164	-0.009803	-0.008631	0.033814	0.030811
336	0.065411	-0.0462	-0.074779	-0.021623	0.003757	-0.002977	0.021399	-0.026205	-0.046751	0.023208	0.050059	-0.008111	-0.074559	-0.05206
337	-0.01333	0.013017	0.024087	-0.021815	0.002751	-0.027014	-0.020987	-0.002349	-0.007682	0.002557	0.033584	-0.007976	-0.009359	0.011709
338	-0.009032	-0.04251	0.055437	0.010368	0.010459	-0.034896	-0.019335	0.009518	0.036632	-0.015976	0.001886	0.028663	-0.029958	-0.021888
339	-0.029576	-0.007019	-0.007837	-0.01857	-0.049853	0.001564	0.011165	-0.016492	0.01765	0.009138	-0.028319	-0.000594	0.051836	0.009838
340	0.025908	0.052135	-0.01038	0.002037	0.001828	-0.005375	-0.013538	0.018895	-0.012889	0.0076	-0.054538	-0.010917	0.003998	-0.001505

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
1	-0.0295	0.02971	-0.015373	0.063959	0.014096	-0.02634	-0.006469	0.051215	-0.029678	-0.08132	-0.015859	0.134025	0.075053	0.012287
2	-0.095516	-0.085126	-0.06698	-0.0275	0.086201	0.037225	-0.007339	0.040799	0.034017	0.004732	-0.061275	-0.033098	-0.036482	0.010398
3	0.041857	0.028168	-0.004541	0.089579	-0.07946	0.010146	0.065206	0.075403	-0.04635	0.068896	0.056046	0.129731	0.036803	-0.005147
4	-0.038123	-0.047078	-0.038133	-0.115029	-0.135477	-0.00357	-0.040171	0.007261	0.076462	-0.054022	0.025961	0.031547	-0.039408	-0.00486
5	0.002965	-0.019555	0.000196	-0.021398	-0.048513	0.00682	0.022365	0.045428	0.003908	-0.007835	-0.044715	-0.084157	0.021799	0.015844
6	-0.070355	0.085426	0.0829	-0.065321	-0.084013	0.017583	-0.001416	-0.161749	-0.004794	-0.017222	-0.025273	0.03596	0.050058	-0.020787
7	-0.01714	-0.030144	-0.039402	-0.03114	0.044354	-0.007343	0.027272	0.017895	0.013444	-0.011104	-0.015692	-0.001572	-0.032529	-0.005134
8	-0.013857	-0.016389	-0.029557	-0.036919	-0.064269	0.083359	0.020027	0.03809	-0.018197	-0.008639	-0.010473	-0.016722	-0.031169	-0.012933
9	0.015678	0.013297	0.069788	-0.034204	0.030376	0.02914	0.0463	-0.048366	-0.045822	-0.00541	0.006285	-0.011982	-0.061461	-0.029659
10	0.059166	-0.077951	-0.006587	0.074733	-0.071555	0.007096	0.007127	-0.065238	0.006431	0.081219	-0.028248	0.009425	0.050011	0.014755
11	-0.006353	0.073534	0.000769	-0.028538	0.036486	0.03161	-0.019105	-0.041685	0.018868	-0.016087	-0.012624	0.037109	-0.011299	0.000866
12	-0.034702	-0.033353	0.015339	0.001432	0.007719	-0.01179	-0.01676	-0.018181	-0.038299	-0.001234	-0.031678	-0.048636	-0.011433	-0.013591
13	0.058116	0.063904	0.071471	-0.01085	-0.056201	-0.051839	-0.032331	-0.036696	0.022936	-0.039962	0.057452	-0.000557	0.022265	-0.042997
14	-0.029909	0.022161	0.008121	-0.025156	0.086125	-0.043524	0.051846	0.062438	-0.002879	-0.033777	-0.011319	-0.001408	-0.007414	0.036543
15	0.007198	0.006647	0.055317	-0.033918	0.004309	-0.024763	-0.004248	-0.049791	0.038934	0.03786	-0.025806	-0.007278	0.023187	0.029755
16	-0.056673	-0.01389	0.000392	0.041033	-0.023789	0.031282	0.020537	0.060286	-0.014212	-0.019486	0.000223	0.04155	-0.011794	-0.007002
17	-0.026559	0.003898	-0.002529	-0.011969	0.011469	-0.010024	0.020054	-0.055296	-0.013526	0.002491	0.013925	0.00078	-0.054561	-0.007257
18	-0.055711	-0.022089	-0.029669	-0.096919	-0.017909	0.026532	-0.033075	-0.043044	0.03099	0.021879	0.027993	0.021289	-0.058623	-0.003141
19	-0.01392	0.067722	-0.010141	-0.018771	-0.041658	-0.027047	-0.007182	0.052752	0.04488	-0.007689	-0.008693	-0.074567	-0.071514	-0.007528
20	-0.065301	-0.03043	-0.023962	-0.004715	0.032724	0.006545	0.071099	-0.009609	0.04362	0.010981	-0.028605	-0.002451	0.028851	0.045156
21	-0.02249	-0.013723	0.053499	-0.042753	0.023877	0.013369	-0.006159	-0.015355	0.014834	0.011308	0.017362	-0.020727	-0.032972	-0.036637
22	0.062185	-0.073859	-0.024349	0.013213	-0.003369	-0.000692	-0.030953	0.040374	-0.010734	0.015511	0.025531	0.011399	0.024614	-0.01449
23	0.054259	-0.020891	-0.015375	-0.0149	0.08747	0.037982	0.019299	0.009885	0.024761	-0.001408	0.017436	0.013703	0.022145	-0.001808
24	0.018321	-0.036856	-0.064799	-0.066027	-0.018614	-0.002043	-0.000038	-0.006379	-0.054937	-0.055654	-0.005208	-0.123526	-0.038431	-0.016629
25	0.024715	0.025096	0.033562	0.020726	0.068798	0.03936	0.027385	0.070551	0.013938	-0.024168	0.03923	0.061434	0.127541	0.022246
26	-0.029041	0.024358	-0.015805	-0.007206	-0.030115	-0.039645	-0.061675	-0.047832	-0.060686	-0.019751	0.045078	0.047001	0.085662	0.139337
27	0.029712	0.024713	-0.026862	-0.075006	-0.050789	-0.041952	0.002827	-0.020832	-0.015643	0.07379	-0.038822	-0.095847	-0.090319	-0.077458
28	0.058454	0.027368	0.051062	0.067901	-0.031141	-0.019713	-0.006379	0.043956	0.000671	0.016878	0.059288	0.007227	0.023431	-0.020886
29	-0.03899	-0.042016	-0.055077	0.031403	0.036287	0.003343	0.018025	0.058289	-0.01698	-0.029834	-0.020051	-0.028362	0.010246	-0.021997
30	-0.0307	-0.045375	0.069116	0.075748	0.069786	0.075961	0.041479	-0.034106	-0.119163	-0.035249	0.021731	0.032534	0.079098	-0.011433
31	-0.015383	-0.118403	-0.170894	-0.093703	-0.122832	-0.101732	-0.086037	-0.041902	-0.021624	-0.052644	-0.087373	-0.156002	-0.13386	-0.014789
32	-0.034427	0.023926	0.015323	-0.044902	-0.036891	0.022822	0.010874	-0.077131	-0.022564	0.017544	0.015846	-0.013592	-0.03096	-0.078622
33	-0.018114	-0.057021	0.053517	0.068712	-0.048278	0.015959	0.055236	0.038312	-0.05173	0.039782	-0.021327	0.004143	0.060907	0.016311
34	0.002547	0.037461	-0.014994	-0.034121	0.074565	-0.060797	-0.029421	-0.024514	0.000475	0.012674	0.017659	0.00491	-0.011689	0.006181
35	-0.03627	-0.05957	-0.044005	0.007308	-0.038087	-0.077866	-0.021922	0.01777	-0.057532	0.013007	-0.032616	0.026584	-0.017533	-0.013286
36	0.017669	-0.044374	-0.054504	0.004952	0.01355	0.043443	0.059403	0.145323	0.022254	-0.021783	-0.059202	-0.026123	-0.093506	-0.026897
37	0.016757	0.074388	0.031726	-0.058798	-0.035252	0.012115	0.016811	-0.091294	-0.010941	0.012245	0.097474	0.028953	0.049226	-0.040415
38	-0.015037	0.058012	0.048214	-0.037906	0.029491	0.017015	0.037313	0.019042	-0.007924	-0.04219	0.0043	-0.019684	-0.002344	-0.034242
39	-0.000906	-0.023719	0.032359	-0.030288	0.012873	0.001049	0.030437	-0.049715	-0.038675	-0.007688	0.048892	0.029932	0.000237	-0.005435
40	-0.168223	-0.050762	-0.014936	0.042381	-0.001277	-0.023635	0.020038	-0.01323	0.012931	-0.022302	-0.062178	0.038595	0.041053	0.016681
41	0.095375	0.000178	0.012768	-0.029225	-0.053754	-0.025764	0.007692	0.037059	-0.020018	-0.054127	0.002248	-0.024798	-0.018026	-0.06304

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
42	-0.03669	-0.076705	-0.056087	0.019397	0.113477	-0.043428	-0.048661	0.026227	-0.018683	-0.011112	-0.085279	-0.124992	-0.095555	-0.002844
43	0.053874	0.072489	0.05637	0.043367	0.020923	0.060359	0.018179	-0.054087	0.023404	0.118896	-0.001827	-0.015596	0.027535	0.046764
44	0.058142	-0.039747	-0.037951	-0.001327	-0.042074	-0.008761	-0.018911	0.013472	-0.00451	0.009911	0.012009	-0.012107	-0.006735	0.004702
45	-0.074154	0.069257	0.059006	-0.140578	-0.075237	0.066243	0.003918	-0.019657	-0.012338	-0.021694	-0.026287	-0.070669	-0.016063	-0.007781
46	0.00288	-0.035864	0.021755	0.077316	0.004481	-0.033475	0.025548	-0.015921	0.065278	0.081545	0.032391	0.007452	-0.001277	-0.022906
47	0.019426	-0.022802	-0.000721	0.040795	-0.020916	0.062767	-0.001145	-0.016816	-0.029036	-0.062676	-0.011084	-0.017682	0.036237	-0.024042
48	0.013169	-0.083456	-0.033126	0.048377	0.008898	0.00356	-0.041484	-0.041707	0.022292	0.034813	0.00447	0.11498	0.036643	0.064317
49	0.079657	0.015145	-0.085959	-0.115128	0.040905	0.011263	-0.0729	-0.08956	0.08582	0.026148	0.04994	0.037926	-0.083958	-0.071405
50	0.04649	0.028808	-0.010594	-0.064592	0.002944	0.070615	0.076299	-0.053038	-0.030056	-0.01499	0.034056	0.033499	0.052007	0.03085
51	0.01895	0.008912	0.024067	-0.13755	-0.046733	-0.060276	-0.059873	0.069161	0.00031	0.041126	-0.024969	-0.053908	-0.01117	-0.036981
52	-0.087856	0.039359	-0.008013	-0.021635	0.009473	0.07136	0.032713	-0.020628	0.045073	-0.018045	-0.035126	0.037462	0.019025	-0.033748
53	-0.085334	-0.029665	0.042548	0.062769	0.002121	-0.026837	0.04923	-0.00348	0.037604	-0.011235	-0.000108	0.044765	0.042923	0.054446
54	0.020576	0.010671	0.006784	0.064994	0.046274	0.002257	0.006359	0.094456	-0.00725	0.043674	0.01308	0.068953	0.030452	-0.050966
55	0.042821	0.00861	0.074219	0.028026	-0.030006	0.021083	-0.020206	-0.14262	0.007519	-0.000825	0.025153	0.079928	0.004577	-0.040831
56	-0.012116	0.014525	0.006042	0.045874	-0.018934	-0.126113	-0.013565	0.184876	0.049787	-0.051185	-0.082774	-0.046523	0.051904	0.041613
57	0.02911	-0.007612	0.029936	0.03513	-0.026938	-0.058445	-0.154564	-0.061768	0.025763	-0.013225	0.09083	0.065634	0.051029	0.013821
58	-0.08746	0.013514	-0.026359	-0.013259	-0.052737	0.057146	0.011693	-0.005566	0.027346	0.019996	-0.053744	0.045027	-0.00557	0.030629
59	0.040923	0.017954	-0.003864	-0.024524	0.049564	0.018779	0.003624	0.022165	-0.002666	0.010385	0.041172	-0.001182	-0.006088	-0.018577
60	-0.086297	-0.042027	0.054708	0.029676	0.029429	-0.168863	-0.056867	-0.056124	0.008945	-0.004611	0.113618	0.00839	-0.043486	-0.069167
61	0.031026	0.015209	0.016831	0.001678	-0.086013	-0.071266	-0.01453	0.061547	0.003832	-0.026793	0.014337	0.022186	-0.00556	-0.039363
62	0.060385	0.006693	-0.022302	0.055114	-0.029553	-0.073908	-0.055451	-0.039703	-0.023739	0.011118	-0.012841	-0.02089	-0.003738	0.062009
63	-0.110918	0.077037	0.024768	-0.031846	-0.081865	0.001198	-0.004127	-0.002521	0.06276	0.045347	0.003237	0.000313	0.020554	-0.001607
64	0.047533	0.024791	0.009541	0.028633	-0.015928	0.029614	0.005732	0.006536	0.007774	0.026026	-0.008788	-0.00977	0.013152	0.000374
65	0.084484	0.015549	-0.040055	-0.033064	-0.031877	0.037809	-0.056113	0.022511	0.028493	0.121965	-0.019408	0.05611	-0.018	-0.023224
66	0.018493	-0.097932	-0.014018	-0.013653	0.058981	0.048174	-0.016705	-0.063002	-0.0817	-0.09439	0.084579	-0.006366	0.008781	0.006329
67	0.032361	0.054476	0.005989	0.059113	0.101608	-0.021561	-0.010371	0.000517	0.005719	-0.000337	0.003524	0.093781	0.009934	0.023079
68	0.033048	-0.013647	-0.057122	-0.007408	0.025434	0.022165	-0.006965	-0.018691	-0.055249	-0.023649	-0.029141	0.002957	-0.023974	0.016872
69	-0.096695	0.017312	-0.005348	-0.070561	-0.02994	0.017799	-0.025582	-0.106044	-0.01497	-0.08074	0.021871	-0.044331	-0.013541	-0.030311
70	0.106532	-0.058802	0.01012	0.025503	-0.106761	-0.04221	0.013223	-0.051728	-0.038726	0.04018	0.029535	0.023192	-0.021538	-0.021782
71	-0.074613	0.046905	0.005184	0.01885	0.098676	0.069605	0.01947	-0.041181	0.011447	0.040435	0.006129	0.03832	-0.060362	-0.005003
72	0.08296	0.039206	-0.004049	0.058662	-0.005426	0.029606	0.007363	0.045154	0.014296	-0.062989	-0.011975	-0.037948	0.003859	-0.00355
73	0.04912	-0.019905	-0.020034	-0.036758	-0.013551	0.042335	-0.011094	0.034663	0.040851	0.006249	0.07428	-0.033297	-0.018088	0.029502
74	0.01408	0.037075	-0.039928	-0.024957	0.022993	-0.009625	0.029789	0.01149	-0.006743	0.017021	-0.034818	0.059826	-0.007413	-0.047691
75	-0.046949	-0.050272	-0.027218	0.08209	0.009046	0.006857	-0.01162	0.009132	0.115265	0.02214	-0.037989	0.012952	0.047364	0.00818
76	0.161213	0.064949	-0.01008	-0.039388	-0.108256	0.106	0.004958	0.109422	-0.041239	-0.046357	-0.045615	-0.020741	-0.005126	-0.038143
77	-0.012325	0.030752	0.022027	-0.047517	0.08645	0.003817	0.066606	-0.078425	-0.058917	0.034299	-0.025159	-0.114289	-0.073646	-0.079575
78	-0.080475	-0.039696	-0.049144	0.004306	-0.073529	-0.035414	-0.025891	-0.00738	0.014096	0.103706	-0.024919	0.045182	0.015569	0.115855
79	0.037307	-0.014807	-0.032404	0.087508	0.107531	0.046092	-0.060355	0.109829	0.020929	-0.009376	-0.00171	0.093618	0.048597	0.037702
80	-0.057289	0.006092	0.050977	-0.023128	0.01391	-0.016733	0.018103	0.012278	0.00711	0.001521	-0.011575	-0.034595	0.006693	-0.012696
81	-0.069209	-0.059764	0.007457	0.063791	-0.01053	0.015855	0.018546	0.028554	-0.03104	-0.030484	-0.007723	0.049141	0.022679	-0.006364
82	-0.006198	-0.078839	0.009158	0.11602	0.007659	0.019432	0.016019	0.051545	0.006074	0.064532	0.050974	0.021464	0.040516	-0.046502

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
83	0.024808	0.016289	0.010363	0.027671	0.061973	0.05868	0.029952	0.051602	0.027378	0.014988	-0.007494	0.035783	0.025363	0.034479
84	0.120752	-0.060149	-0.062482	0.048688	0.003945	0.049541	-0.024309	-0.017249	0.059579	0.02305	-0.002491	0.014141	-0.014387	-0.016792
85	0.035098	-0.001123	0.048862	-0.034417	0.021031	0.080519	0.03464	-0.056593	-0.029092	0.016128	-0.012341	0.049898	0.069842	0.058006
86	-0.000234	-0.028279	-0.046802	0.044663	-0.030972	-0.063403	0.037445	-0.069519	-0.097708	0.061163	0.040543	0.072248	-0.022837	-0.055938
87	0.03764	0.03719	0.058225	-0.092902	0.027934	-0.050225	-0.054474	0.024344	0.037678	0.027885	0.012333	-0.072274	0.029539	0.049254
88	0.064151	0.04286	0.061363	0.013046	-0.054709	0.028856	-0.043993	-0.044491	0.011904	-0.068574	0.017831	0.008545	0.038731	0.140436
89	-0.029984	0.063077	-0.032602	0.034404	0.043877	0.043636	0.032733	0.003332	0.099376	0.031489	0.021965	0.060833	-0.099132	-0.005744
90	-0.105749	0.01106	-0.068287	-0.001211	0.017759	-0.099361	-0.071988	-0.007898	-0.048907	-0.024431	-0.022882	0.145926	0.011002	0.030863
91	-0.010395	0.023277	0.057587	0.001165	-0.035231	0.018676	0.020391	0.000351	-0.042468	-0.10435	0.009601	-0.022465	-0.048867	-0.070855
92	-0.12127	0.080745	0.024954	-0.146857	-0.009087	0.029623	0.056735	-0.03593	0.014813	-0.003103	-0.045892	-0.00746	-0.002412	-0.0789
93	-0.049023	-0.011548	0.051749	0.042817	0.057045	-0.002915	-0.013329	0.064092	-0.021233	-0.019218	-0.012885	0.00835	0.050156	0.030621
94	-0.012059	-0.023947	0.006483	0.039541	-0.023214	0.02496	0.019782	0.054172	0.018074	-0.000818	-0.092999	-0.04867	-0.044464	-0.057239
95	-0.028113	0.006228	0.021389	0.004201	-0.051825	-0.024073	0.048804	0.019155	0.021637	-0.030534	-0.002002	-0.003227	-0.027286	-0.039203
96	-0.034978	-0.070389	-0.048569	0.015891	-0.043127	-0.001829	-0.045783	-0.010818	0.01267	0.02512	-0.001333	0.017767	-0.067742	-0.018878
97	0.053854	-0.015889	-0.045614	-0.024677	0.028928	0.020097	-0.033134	-0.09499	0.000674	-0.033105	0.008642	0.016773	0.037598	0.054726
98	-0.003788	0.054409	-0.000698	-0.000603	0.065793	-0.02299	-0.018613	-0.029126	0.014236	-0.034529	-0.051047	-0.017937	0.003169	-0.000371
99	0.066078	0.093198	0.071549	-0.005838	-0.061519	-0.021395	0.063123	0.053078	-0.023506	-0.110607	0.048999	-0.092798	-0.098966	0.0415
100	-0.04396	0.013376	-0.018767	-0.034857	0.082554	-0.043976	-0.06124	-0.017441	0.046696	0.038159	-0.050056	-0.025048	0.051736	-0.026862
101	-0.008696	0.025978	0.020178	0.052781	-0.019655	-0.04097	-0.020492	-0.105891	0.013381	0.029433	0.067232	0.130036	0.107891	0.038183
102	-0.000391	0.04233	0.0453	0.005976	0.079016	-0.005637	-0.008121	-0.121893	-0.021258	0.002799	0.00188	0.033902	0.020781	-0.0068
103	0.031135	0.037759	-0.016795	0.018942	0.00688	-0.017099	0.020214	0.090946	-0.025925	-0.024294	-0.002219	0.05177	-0.006681	0.026383
104	0.06691	0.006886	-0.03321	-0.01015	-0.048379	0.036259	-0.054962	-0.045278	0.022551	0.04156	0.001364	-0.021303	0.013951	-0.003885
105	0.025189	0.032391	-0.005179	0.045758	0.009136	-0.018592	-0.000012	0.002877	0.04965	-0.032063	-0.011985	0.040139	0.016924	-0.04314
106	-0.012685	0.070825	-0.017743	-0.047395	0.058951	-0.02367	0.01336	-0.007592	0.020076	0.010538	-0.016494	-0.042989	0.066929	0.004435
107	-0.042526	-0.005972	0.05535	0.049004	-0.018784	-0.053616	-0.030046	-0.076235	0.001926	-0.016153	0.013056	0.135831	0.043921	-0.01962
108	-0.063341	-0.073726	0.026304	-0.014121	-0.01435	0.057833	0.028829	0.047276	0.022794	-0.000556	-0.010947	-0.028844	-0.007123	-0.00518
109	0.064691	0.058978	-0.033041	-0.017659	0.056229	0.003956	0.006352	0.02177	0.032993	-0.00234	0.044358	-0.016401	-0.019605	-0.003637
110	0.035095	0.045883	0.000158	0.040109	-0.022841	-0.003263	-0.007297	-0.003098	-0.037273	-0.070135	-0.006879	0.02421	-0.021327	-0.046626
111	0.041578	0.036651	-0.007871	0.038977	-0.018916	0.02169	0.068282	0.013345	0.033776	-0.005036	0.069705	0.068235	-0.003476	0.009798
112	-0.006527	0.017279	-0.009533	-0.022508	-0.034939	0.002819	0.039412	0.021781	-0.050652	-0.010263	0.004631	-0.008334	-0.043992	0.000039
113	-0.019286	0.065248	-0.01074	-0.008874	0.031112	-0.096272	-0.046058	-0.046329	0.014989	0.035324	0.003906	0.008605	-0.057907	-0.085746
114	0.079395	0.022063	-0.007341	0.006769	0.044112	-0.005354	-0.050837	-0.008654	0.001146	-0.021076	0.053273	0.064308	0.051316	0.027574
115	-0.032745	-0.039506	-0.02777	-0.003402	0.042097	0.011079	0.005874	-0.076914	-0.027757	0.028776	0.015053	0.085244	0.063537	0.059896
116	-0.041782	-0.023395	-0.028148	-0.007586	0.022167	0.060522	-0.004895	-0.014061	-0.04954	-0.013356	0.004658	-0.016873	-0.055931	0.003369
117	0.017179	0.052211	0.017552	-0.105659	0.007532	-0.111597	-0.015843	0.051614	-0.012086	-0.027137	-0.008572	-0.05298	0.022625	-0.034938
118	-0.068501	0.088075	0.055581	-0.027676	-0.051792	0.006317	0.086969	0.029707	0.009023	0.038287	-0.061261	-0.040102	-0.04157	-0.023643
119	0.022707	-0.026645	0.035085	-0.030111	0.018621	0.057303	-0.034568	0.003249	-0.013742	0.005191	0.009083	0.054433	0.095921	-0.00771
120	0.116473	-0.031665	-0.010379	0.003041	-0.027493	0.051309	0.05422	0.057259	-0.00291	0.088568	0.067551	-0.057522	0.079135	0.029217
121	-0.020697	-0.037593	-0.037495	0.025909	0.011903	0.062267	-0.018915	0.002959	0.06563	-0.011577	-0.069233	0.04351	-0.063039	-0.002388
122	0.004733	0.036335	-0.051115	-0.039226	0.045338	-0.026212	0.038236	0.057975	0.080622	0.057896	0.031318	-0.009967	0.034461	0.094793
123	0.078479	0.081915	0.075365	0.05839	-0.043791	0.016615	0.002543	0.048878	0.013086	-0.057421	0.037994	0.12226	0.021814	-0.017339

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
124	0.041488	-0.121695	-0.051536	0.006266	0.011231	-0.058416	-0.088637	-0.030883	-0.02891	0.063299	-0.010327	-0.13567	-0.007258	0.015008
125	0.06961	-0.033916	0.017736	-0.010423	-0.040342	-0.005278	-0.060695	-0.044174	-0.034679	-0.021061	0.07512	0.036552	0.043259	-0.031851
126	0.035257	0.007392	-0.160275	-0.039379	-0.012072	0.026708	-0.076608	-0.035927	0.041914	-0.018564	0.025196	0.088408	-0.079095	0.011318
127	-0.090896	-0.125752	0.039842	0.112675	0.044194	-0.05019	-0.007512	0.06778	0.008846	0.038015	-0.015954	-0.022038	0.099973	-0.048155
128	-0.064941	-0.058216	-0.099176	0.00256	-0.028302	0.098039	0.064451	0.040217	0.024718	0.040451	-0.036856	0.002601	-0.067881	0.010796
129	-0.004134	0.017417	0.044519	0.021674	0.024784	-0.028351	0.007264	0.054629	0.038721	0.00542	0.016047	-0.015273	0.032439	-0.003685
130	-0.032384	-0.012198	0.018829	0.008893	-0.000838	-0.099618	-0.053835	-0.015521	-0.024635	0.003836	-0.041312	-0.043187	-0.043212	-0.012055
131	0.002264	-0.000641	0.009378	0.022094	0.00278	0.066252	0.007887	-0.001027	0.002217	0.005149	0.029339	0.010196	0.026925	0.053209
132	-0.059236	0.017106	0.016437	-0.004124	0.025492	-0.106231	0.024959	-0.016785	0.025311	-0.020321	-0.013068	0.010687	-0.050231	0.040015
133	-0.03304	-0.003011	-0.002966	-0.073746	0.019951	-0.072261	-0.00036	0.045435	-0.01272	-0.037244	0.000947	0.027563	0.001146	-0.004805
134	0.018536	0.042538	0.035831	0.013125	0.056705	-0.01775	-0.038494	0.011238	0.032025	-0.032153	0.011499	-0.01061	0.018223	-0.035511
135	-0.01741	-0.021054	0.093253	0.062146	-0.017161	-0.109744	-0.067225	-0.067358	0.02697	-0.042083	0.004976	0.044095	0.036002	-0.03316
136	-0.007081	-0.019014	0.021113	-0.002183	-0.042401	0.050703	0.022432	-0.025461	-0.006506	0.050345	0.022666	-0.059846	-0.001842	-0.002836
137	0.033464	0.032309	0.014326	-0.001582	-0.03802	0.039918	-0.008426	-0.02465	-0.035099	0.014155	0.039805	0.036846	0.042239	0.030995
138	-0.056213	-0.007999	-0.007732	0.078395	-0.028686	-0.024039	-0.042391	-0.012531	-0.001919	0.025108	-0.070515	-0.004146	0.051487	-0.01051
139	0.030624	0.018739	-0.014473	-0.0456	0.054931	0.029127	-0.033462	0.008773	-0.065539	-0.090624	-0.010245	-0.070432	-0.030471	-0.025621
140	0.024979	-0.020234	-0.051701	-0.005133	-0.016831	0.057947	-0.018863	-0.044007	-0.014858	0.004668	-0.004059	0.030118	0.043449	-0.007614
141	0.010403	0.042787	0.020302	-0.034025	0.048697	0.023831	0.007432	-0.023836	0.011718	0.067119	-0.003969	-0.00463	0.039427	0.003192
142	0.024795	-0.003126	-0.033064	0.032064	0.017373	0.002865	0.013591	0.024155	0.044667	0.044044	0.011324	0.038768	-0.02873	-0.024587
143	0.016694	-0.008178	0.019207	0.01115	-0.043281	-0.065151	0.009843	-0.02352	-0.032879	0.023679	0.019464	-0.03051	0.005941	-0.010015
144	0.005794	-0.017674	-0.000695	0.008913	-0.032472	0.030475	0.017932	-0.041928	-0.022324	-0.019869	-0.020408	0.034143	-0.07254	-0.017205
145	-0.030565	-0.013778	-0.002059	0.024773	0.037919	0.032572	0.019354	0.045401	0.002693	-0.012962	-0.000944	0.026417	0.018605	0.011782
146	0.025169	0.048629	-0.017512	-0.001252	-0.012735	0.014341	-0.026643	0.010362	0.02843	0.003943	0.011538	0.017708	-0.020891	0.008928
147	-0.027981	0.015056	-0.009098	-0.005478	0.00291	-0.003371	-0.008768	-0.014727	-0.014282	-0.01478	0.03422	0.06111	-0.000134	-0.014663
148	-0.015247	0.044513	0.030225	-0.003967	-0.024034	0.022607	0.019458	-0.005753	0.016867	-0.022863	-0.02647	0.008697	-0.010986	-0.01002
149	0.033254	0.003993	-0.044145	0.008847	0.036361	-0.025872	-0.034336	0.035849	0.016982	-0.0193	-0.018908	-0.002587	-0.064697	-0.004834
150	0.075922	0.019996	0.012939	0.040518	0.004539	0.011657	-0.001937	0.041175	0.009877	-0.054277	0.033921	-0.027448	0.016018	0.005499
151	-0.043699	0.062829	0.046046	0.032295	-0.001257	-0.080334	0.007374	0.007804	-0.00594	-0.010252	-0.008456	0.038522	-0.03248	-0.031205
152	-0.003563	0.052768	-0.008522	-0.037705	-0.044196	-0.011143	0.03885	0.049144	-0.009275	-0.010076	0.001811	-0.017126	0.049066	-0.012305
153	0.005143	0.011815	0.014042	-0.009714	-0.010363	-0.101402	-0.049219	-0.00103	0.021557	0.007641	-0.001213	-0.008712	0.01344	0.034363
154	0.004827	0.02315	-0.027386	-0.015275	-0.019255	0.005832	-0.014521	0.01981	0.030663	0.00927	-0.008231	0.05085	0.027865	-0.010942
155	-0.037449	-0.007107	0.01482	-0.001876	-0.03165	-0.063921	-0.024606	-0.087444	-0.032554	-0.069023	-0.002884	0.015083	-0.00127	0.019622
156	-0.023751	-0.019754	0.008661	-0.022552	0.030294	0.017551	0.048209	-0.016332	-0.009177	0.006011	0.058224	0.004705	-0.026974	-0.011686
157	0.009462	-0.021114	-0.020197	-0.012621	0.021113	-0.002929	-0.038406	0.010408	-0.010666	-0.027287	0.003631	0.007647	0.030852	0.000908
158	-0.027983	-0.003161	-0.002074	-0.009851	0.029927	0.056789	0.006291	-0.005143	-0.019747	-0.018921	-0.041443	0.006417	-0.017877	-0.015807
159	-0.040452	0.004157	0.065458	-0.037664	0.005852	0.006678	-0.016316	-0.03911	-0.006719	0.020054	0.007548	-0.011773	-0.025524	0.019063
160	-0.047075	0.005114	0.001298	0.044211	-0.002532	0.006469	0.012831	-0.0091	-0.034983	0.001754	0.001689	0.055749	0.003969	-0.017789
161	-0.068722	-0.015367	0.024842	0.022398	-0.029339	-0.0252	0.000513	-0.004622	0.031699	0.020119	-0.008139	0.030314	0.037705	-0.025943
162	-0.039926	0.024891	-0.029251	-0.03478	0.028473	0.00753	-0.010196	-0.076493	0.036243	0.036451	0.009699	-0.012868	-0.023849	0.035541
163	-0.012172	0.044912	0.046673	-0.007084	0.001687	0.030353	0.05365	0.009497	0.007784	-0.056596	0.022942	-0.01059	0.016378	-0.002471
164	-0.015576	0.01069	-0.000542	0.011553	0.008652	-0.013415	0.000147	-0.036087	-0.002669	0.024789	0.019097	0.021692	-0.036322	-0.000927

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
165	0.036035	0.009918	-0.02492	0.010387	0.026853	0.045949	-0.004899	-0.032586	-0.027707	-0.007743	-0.016288	0.013146	0.018239	-0.030975
166	0.009723	0.032455	0.031427	0.043904	0.027953	0.01068	-0.018338	-0.034306	0.037795	-0.006558	0.033086	0.011237	0.013612	0.022629
167	0.022592	-0.031094	-0.043719	0.044095	0.025932	0.07312	0.010444	0.062352	0.002611	0.004928	-0.058223	-0.032914	-0.048878	-0.008945
168	0.035221	0.038045	0.019312	-0.030239	0.031266	-0.021279	-0.008797	-0.033208	0.013282	-0.047047	0.077833	0.022801	0.026949	0.020974
169	-0.005125	-0.004896	-0.00806	0.01824	-0.042675	0.008161	0.004572	-0.013428	0.003109	-0.016164	0.012591	0.018211	-0.015671	0.025282
170	-0.044212	-0.019204	-0.021195	0.03959	-0.027904	-0.00009	0.003205	-0.016379	0.021177	0.017566	-0.007213	0.028872	-0.017812	0.011153
171	0.005885	0.003861	-0.008274	0.005622	-0.040241	-0.00379	0.032989	0.024514	0.002174	0.006321	0.011782	-0.01984	-0.02096	-0.001376
172	0.014368	0.035663	0.027443	-0.00922	0.007742	-0.010142	-0.000884	-0.013778	-0.031838	-0.043284	0.025607	-0.042231	-0.019906	-0.001773
173	0.033838	-0.014626	-0.028486	0.012232	0.021142	-0.005752	-0.012669	0.016017	0.024475	0.037666	-0.014538	-0.046086	-0.013536	0.02824
174	0.003017	0.025702	0.008488	-0.010919	0.05208	-0.044388	-0.008839	-0.054528	0.05645	0.030777	0.024219	0.060026	0.018161	0.003408
175	0.041179	-0.037608	-0.042967	-0.010318	0.011697	-0.029456	-0.012172	0.037097	-0.020396	-0.031393	0.010799	0.030952	0.029099	-0.002488
176	-0.036817	0.034115	0.016742	-0.009008	0.014034	-0.057518	-0.032692	-0.005523	-0.027668	-0.042822	0.003112	-0.004461	0.0206	0.018751
177	-0.020744	0.007362	0.00365	-0.030284	0.054704	0.035565	0.005873	-0.068703	0.006027	-0.02179	0.036201	0.053169	0.035063	-0.001503
178	0.018706	-0.029285	-0.004652	-0.011967	-0.004618	-0.004868	-0.02297	-0.003315	-0.012517	-0.002149	0.012619	-0.013481	0.048714	-0.021193
179	0.001839	0.02099	-0.005872	-0.021511	-0.018163	-0.00509	0.016493	0.030415	-0.000348	-0.0041	0.018055	0.005177	-0.000976	-0.013624
180	-0.00761	-0.041681	-0.029258	0.001109	-0.001708	0.008239	0.003226	0.017444	0.009185	0.011234	-0.00449	0.007444	0.002274	-0.002993
181	-0.003248	-0.004847	0.002527	-0.015644	-0.02767	-0.009758	-0.000322	-0.000564	0.005521	-0.002268	-0.000373	0.006246	-0.003414	-0.015863
182	0.036864	-0.033966	0.004802	0.013618	-0.019512	0.030054	-0.044609	-0.00406	0.006605	-0.022227	0.005363	0.046458	0.00867	-0.008026
183	0.03239	-0.01549	0.004914	-0.014012	-0.020771	0.037922	0.00081	0.048947	-0.018589	-0.001755	0.016898	0.010218	0.012103	0.002559
184	0.018399	-0.002361	0.048238	0.027773	-0.027631	0.004609	0.025583	-0.006421	-0.011451	0.040703	0.034375	-0.014381	-0.001439	0.006118
185	-0.038893	0.003679	0.020062	-0.106545	0.037603	-0.036849	-0.028519	-0.019866	-0.016683	0.018261	-0.002645	-0.023822	0.016956	-0.009563
186	-0.04878	-0.034806	-0.021658	0.004805	0.027151	-0.013521	0.031507	0.00389	-0.00012	0.030831	-0.023928	-0.003985	0.018012	0.031265
187	0.03521	-0.072124	-0.014041	0.062852	0.002499	0.008719	-0.057913	0.025496	0.016053	0.011664	-0.031367	-0.014878	0.011682	0.033542
188	0.003613	0.011511	0.014994	0.015675	0.019096	0.038908	-0.0111	-0.055895	0.019115	0.0089	-0.02179	0.033571	0.026112	0.016574
189	0.010595	0.014569	0.015616	0.030757	0.013396	0.035669	0.002809	-0.028593	-0.002094	-0.016671	-0.015346	0.050996	0.009827	0.015551
190	-0.039934	0.010483	0.02195	-0.007352	0.020602	-0.037593	0.013612	0.03723	-0.001126	-0.033244	0.002618	0.012451	0.001873	-0.007515
191	0.019711	-0.004761	0.020944	-0.006977	0.01202	-0.011891	-0.003616	0.041411	0.015193	-0.010957	0.034391	0.015947	0.030306	-0.004359
192	-0.005721	0.035827	0.035436	-0.012514	0.034219	0.02216	0.024858	0.03735	-0.036934	-0.053371	-0.039411	-0.005434	0.006572	-0.004004
193	-0.066221	-0.029759	-0.021132	0.031419	-0.004193	-0.123268	-0.041222	0.004227	0.002781	0.010807	-0.058102	-0.036143	-0.008336	0.018419
194	0.021637	-0.004419	-0.011891	0.028923	-0.044178	0.007099	0.036557	0.00679	-0.036823	-0.013342	0.015849	0.004282	0.034974	0.011067
195	0.009429	-0.009877	0.015847	-0.019104	-0.002587	-0.009387	0.012746	-0.000685	-0.010755	0.00277	0.009353	-0.01987	-0.055695	-0.029311
196	0.074703	-0.02595	-0.027113	0.015559	0.003807	0.049204	0.029922	-0.032099	-0.036029	0.001015	0.05466	0.030437	-0.060826	-0.025013
197	0.002125	0.047214	0.007808	-0.023057	0.018735	0.002994	-0.010326	-0.017418	-0.023729	-0.026589	0.035183	0.064057	-0.038176	0.00843
198	-0.011332	0.041192	0.012431	-0.047449	0.01485	0.004579	-0.016054	-0.03106	0.011548	0.020421	0.025884	-0.04098	-0.004841	-0.021531
199	-0.002108	-0.034323	0.026914	0.004031	-0.015813	-0.002724	0.029007	0.00444	-0.041838	-0.058991	0.029132	-0.069953	-0.027437	-0.017474
200	-0.013226	0.018865	0.011487	0.023834	-0.003679	0.009217	0.010125	-0.016706	0.010564	0.036656	0.000772	0.014989	0.014883	-0.051009
201	-0.03392	-0.029511	0.024848	0.036569	0.007067	-0.013073	0.04047	0.019599	-0.007359	0.029817	0.004484	0.028726	0.006269	0.009943
202	-0.018225	0.032894	0.016291	0.005831	0.005623	0.05593	0.035767	0.000613	0.036299	-0.010571	0.026971	0.023003	0.007538	-0.04402
203	0.009964	0.016034	0.035627	-0.00491	-0.010996	0.020505	0.006159	-0.029177	-0.008256	0.012776	0.03641	0.00466	-0.004988	-0.015518
204	0.025762	-0.0326	-0.050451	-0.032939	-0.005279	0.007614	-0.018232	-0.01499	-0.018139	-0.007945	-0.008078	0.009194	0.034403	0.004398
205	-0.007135	-0.03372	0.003415	0.019753	-0.05933	0.021417	-0.007144	0.039052	-0.015398	-0.001704	-0.00736	-0.021342	0.006844	0.045712

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
206	-0.055889	-0.021041	-0.021498	-0.028036	0.007917	-0.036681	0.026604	-0.024114	-0.021665	0.051652	-0.010672	0.004431	-0.043506	-0.027522
207	-0.002342	-0.022813	0.006988	-0.005251	0.006594	-0.017909	0.012113	-0.01319	0.020764	0.020045	0.010646	-0.032108	-0.008582	0.001684
208	-0.022795	0.019691	-0.040781	0.018111	0.002988	-0.019941	0.013406	-0.033013	-0.0022	0.007888	-0.029897	0.020469	0.021333	0.032549
209	0.020069	-0.014654	-0.026573	-0.003436	-0.026128	-0.020008	0.015236	-0.002327	0.034129	0.038676	0.001422	-0.026745	-0.006795	-0.018039
210	0.010518	-0.003829	-0.003295	-0.006867	0.003221	0.006823	-0.001973	0.000057	-0.018928	0.002559	-0.005687	0.010135	-0.034292	0.021421
211	-0.011341	-0.001202	0.037496	0.025574	0.024092	-0.071636	-0.014398	0.026015	0.006638	-0.014446	0.013526	-0.015969	0.024279	-0.015316
212	-0.013455	-0.007283	0.025812	0.041204	-0.006118	-0.011108	0.00974	-0.02385	0.005227	0.009867	0.016538	0.050586	0.03375	-0.024931
213	0.023498	0.004442	-0.005378	-0.006756	0.010773	-0.015427	-0.024431	0.010586	0.020085	0.006951	-0.007435	-0.021447	-0.03285	0.025272
214	0.015287	0.009	-0.025407	-0.014483	-0.007747	0.024744	0.042579	0.012566	-0.007769	0.024173	0.013874	-0.017422	-0.021465	-0.027743
215	0.052467	-0.023523	-0.070994	-0.02774	-0.022188	0.039037	0.009156	-0.074538	-0.000721	0.008773	-0.048076	-0.028889	-0.05823	0.00706
216	0.045329	0.010052	0.049862	-0.002416	-0.05568	-0.004741	-0.013951	-0.000683	-0.007712	-0.010565	0.023754	0.019318	0.028776	-0.005079
217	-0.012278	-0.02475	0.015322	0.014133	-0.024386	0.070841	0.070541	0.039696	-0.014829	-0.026836	0.015183	-0.00368	-0.050831	-0.038532
218	0.023063	-0.0013	0.0252	0.020953	-0.005363	0.028315	0.01883	0.003704	0.028626	-0.005018	-0.010502	0.000849	0.012297	0.014434
219	0.008621	-0.016881	-0.001908	0.035	0.029449	0.004888	0.014071	0.023165	0.007731	0.030877	-0.015874	-0.011892	-0.012703	0.033423
220	0.00224	-0.014586	0.022714	0.053271	-0.028644	0.025103	-0.00057	0.002173	0.000408	0.014219	0.012099	0.003639	0.015339	-0.016042
221	0.036622	0.007382	-0.024383	-0.006279	0.053422	0.006584	-0.078235	-0.012338	0.004748	-0.030631	0.019538	-0.013083	-0.012495	-0.000791
222	-0.071456	0.047599	-0.003985	-0.001786	0.044311	-0.014552	0.02793	0.010191	-0.018874	-0.01663	-0.075959	-0.002401	0.011483	-0.011717
223	-0.02005	0.00607	-0.00577	0.004583	-0.024487	-0.110411	-0.003781	0.013648	0.009987	0.024287	-0.075744	-0.018576	-0.018582	-0.017078
224	-0.017807	-0.013471	0.012652	0.00664	0.018634	-0.02685	-0.005605	-0.011594	0.011943	-0.001032	-0.004815	0.004645	0.004424	-0.012221
225	-0.027437	0.004195	0.012715	0.003879	0.031149	-0.044664	-0.000256	0.005126	0.010564	-0.028927	-0.019603	-0.031699	-0.001908	-0.006598
226	0.000114	0.043138	0.018985	-0.024091	-0.007785	0.036883	0.007604	0.000628	-0.023134	-0.018475	-0.008496	0.000225	0.011227	-0.000303
227	-0.003262	-0.014735	-0.011073	0.018178	0.005589	-0.003988	-0.002257	0.034596	0.013774	0.035331	0.004799	-0.009874	0.020227	0.021975
228	-0.009029	0.014042	0.028142	0.04608	-0.080601	0.022651	-0.010228	-0.01939	0.018803	-0.021268	-0.013616	-0.029607	-0.030157	-0.022387
229	-0.020165	0.001306	0.002701	0.034792	-0.044329	0.008574	0.001312	-0.07246	0.031091	0.048964	0.015121	0.015942	0.01435	0.017077
230	-0.005987	0.038119	-0.011094	-0.029598	0.008485	0.020135	0.015688	-0.014058	0.015198	0.014712	-0.00027	-0.002815	-0.011297	-0.027958
231	-0.021413	-0.049504	0.015369	0.026715	-0.013586	-0.013325	-0.044313	0.059364	0.013646	-0.0261	0.020029	-0.027188	-0.014181	-0.019598
232	-0.091981	-0.001223	-0.037554	-0.032618	-0.042302	-0.024773	0.00953	0.012233	-0.003957	0.010781	0.034782	-0.022613	-0.013992	-0.031122
233	0.002423	-0.024754	0.019471	-0.030054	-0.028497	-0.02444	-0.000034	0.022105	-0.026846	0.02603	0.032202	-0.031376	0.046798	0.016755
234	0.025671	-0.042138	-0.018027	0.039094	0.001974	0.038519	0.033415	-0.041211	-0.032394	0.011902	0.022272	0.00726	-0.036581	-0.004767
235	-0.008632	-0.004474	-0.098246	-0.014505	0.011631	0.04174	0.025503	0.016503	-0.003328	-0.008226	-0.006076	0.020502	-0.026529	-0.012434
236	-0.002767	-0.035027	0.003499	0.004444	-0.010076	0.021227	-0.005178	0.014789	0.018726	-0.019251	-0.005233	0.00526	0.030378	-0.041386
237	-0.006247	0.013573	-0.001181	0.027822	-0.014374	-0.013368	0.023807	0.020585	0.046948	0.001588	0.01487	0.015415	-0.038003	-0.004616
238	-0.01241	0.010042	-0.010554	-0.004699	0.021462	-0.010864	0.023331	0.020128	0.016489	0.03989	0.017844	0.03714	-0.01772	-0.009273
239	0.033274	0.052661	0.009002	-0.034159	0.016224	-0.002215	0.025589	0.053853	0.021711	0.006368	0.023848	0.012646	0.014879	-0.002349
240	-0.112472	-0.113416	-0.09041	-0.016922	0.000216	0.020231	-0.027116	0.002434	0.037793	-0.023526	-0.043473	-0.010408	-0.038291	0.02146
241	-0.092437	-0.106568	-0.074614	-0.050341	0.008908	0.020327	0.00173	-0.049258	0.021275	-0.007112	0.008166	0.018209	0.002197	0.025603
242	0.042332	0.000936	-0.018824	-0.069404	-0.060895	-0.004671	-0.009081	0.077297	0.013432	0.013036	-0.054364	-0.018142	0.014082	-0.032669
243	-0.00543	0.011481	-0.012209	-0.075954	-0.094498	-0.01222	-0.005009	0.031759	0.025511	0.022334	-0.053522	0.016134	0.009105	0.025004
244	0.02315	-0.022937	-0.047086	-0.015066	0.020255	-0.079568	-0.117696	0.021789	0.045071	0.002688	-0.001937	-0.03343	0.006383	0.021782
245	0.053859	0.077119	-0.012674	-0.076045	-0.005357	0.024649	0.007869	-0.118079	0.012983	0.000013	0.007373	-0.036751	-0.027825	0.005432
246	0.039458	-0.005855	0.024505	0.039586	-0.002839	0.016308	-0.013636	-0.029622	0.021505	0.003528	0.018008	0.02178	0.03287	0.029506

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
247	0.010333	-0.002493	0.013827	-0.003131	0.037738	0.035744	-0.003105	0.017892	0.00319	-0.071244	-0.002067	0.00724	0.011844	-0.011132
248	-0.050932	0.04415	0.018694	-0.025091	0.015808	0.025227	0.008745	0.013764	-0.000114	-0.082996	-0.015661	-0.003047	-0.015674	-0.024167
249	0.6027	-0.049958	-0.004912	-0.033705	0.04629	-0.061652	0.045728	-0.05475	0.012211	0.013698	-0.113022	0.002618	-0.027277	-0.019496
250	-0.058774	0.710962	-0.10952	0.074004	0.011967	-0.004837	-0.050606	0.000015	-0.016083	0.035098	-0.028728	-0.028299	0.007382	0.033956
251	-0.016594	-0.131967	0.748612	-0.052493	0.011144	0.015791	-0.053596	0.02424	0.047782	0.026848	-0.072223	-0.02358	-0.09964	0.0246
252	-0.031605	0.088969	-0.035218	0.67265	-0.050489	-0.005434	-0.011312	-0.065271	0.00122	-0.020236	-0.032451	-0.143522	-0.110615	-0.046208
253	0.037377	-0.001743	0.014584	-0.039648	0.669236	-0.032915	-0.022362	-0.021513	-0.013488	-0.001	-0.003034	-0.034296	-0.027939	-0.003136
254	-0.101417	-0.010739	0.025814	-0.00348	-0.015499	0.667475	-0.098247	-0.033188	0.025107	-0.002099	-0.03711	-0.05749	-0.017021	-0.013636
255	0.009478	-0.04329	-0.037724	-0.008337	0.013071	-0.113759	0.807722	-0.072911	0.045119	-0.00875	0.002769	0.003019	0.021169	0.026026
256	-0.024056	0.051714	0.039704	-0.074854	0.006459	0.008927	-0.054205	0.611853	-0.049286	0.016137	0.078737	0.0766	0.009573	-0.00898
257	0.020758	-0.0121	0.015474	-0.016513	-0.008691	0.011369	0.016968	-0.025445	0.810319	-0.061011	0.016601	-0.032664	0.022341	-0.017058
258	-0.024522	0.041186	0.031685	-0.029861	0.002728	-0.011982	-0.004226	0.038693	-0.048846	0.760323	-0.006607	-0.038052	-0.009776	-0.022848
259	-0.120276	-0.055687	-0.06415	-0.01946	-0.010079	-0.015576	0.007476	0.067869	0.025332	0.005733	0.796805	-0.100885	-0.06141	-0.010326
260	-0.035035	-0.055538	-0.016245	-0.153654	-0.049284	-0.06135	0.010604	0.04983	-0.001822	-0.004907	-0.115038	0.593374	-0.163113	-0.042842
261	-0.043901	-0.028634	-0.093379	-0.117942	-0.047023	-0.024915	0.00186	-0.009922	0.011677	-0.03081	-0.076442	-0.161499	0.704005	-0.095076
262	0.008103	0.026996	0.034601	-0.058746	-0.049741	-0.004309	0.02426	-0.002678	-0.019948	-0.020304	0.001887	-0.072449	-0.083403	0.813653
263	-0.007611	0.056424	0.050163	-0.059254	-0.083887	-0.017165	0.005042	-0.026036	-0.030648	-0.010998	-0.005072	-0.05529	-0.052261	-0.136717
264	-0.107045	0.000934	0.015175	0.034633	-0.017863	-0.028877	-0.000316	-0.009911	0.015448	0.002377	-0.084948	-0.005686	0.016318	0.057016
265	-0.013727	0.006241	0.045195	0.005324	-0.050538	-0.088974	-0.007782	-0.010545	0.027932	-0.042912	-0.044214	-0.060777	-0.028375	0.009767
266	0.034422	-0.000757	0.011313	-0.02002	-0.034759	-0.04002	-0.019986	-0.117559	0.013654	0.008047	0.037595	-0.011092	-0.098389	-0.04439
267	0.027646	0.003604	0.044362	0.008838	-0.11492	-0.018659	0.02662	-0.009426	-0.00841	-0.017723	0.013501	-0.024578	0.015196	-0.016324
268	0.004597	0.024279	0.039137	-0.014797	-0.014255	0.027145	0.021397	0.01789	-0.026463	0.012822	0.010673	-0.002396	0.036683	-0.00577
269	-0.016149	-0.002388	-0.013584	-0.019282	-0.012113	0.046653	0.02439	0.003331	-0.017974	0.052353	0.00752	0.019882	0.023151	-0.00251
270	0.006506	-0.004678	-0.013552	-0.019377	-0.028045	0.018154	-0.002691	0.030827	-0.009779	0.000724	0.001331	0.005954	-0.003003	0.011946
271	0.051706	0.014608	-0.031883	-0.040102	-0.097649	-0.000568	-0.028692	0.017884	0.035575	0.021974	0.030065	0.063969	0.042899	0.014648
272	-0.004091	-0.029068	-0.015825	0.064018	-0.042747	-0.002805	-0.021977	0.008098	0.015778	-0.007365	-0.01205	0.003833	-0.020192	0.023526
273	-0.02376	0.014361	0.011643	0.011187	0.041644	0.022949	0.031271	0.046421	-0.020787	-0.00408	-0.026881	0.000803	-0.01455	-0.010884
274	-0.029912	0.00222	-0.010407	0.011077	0.05236	0.028762	0.026071	0.036704	-0.013266	-0.003634	-0.024106	0.01199	-0.024022	-0.004002
275	0.009499	0.001675	-0.040748	0.03127	0.006408	0.017132	-0.003353	0.034018	0.045677	0.03595	-0.018052	0.037039	-0.049074	-0.01325
276	0.011872	-0.004306	0.010689	0.026838	-0.024963	0.015039	0.014289	0.02892	-0.005847	-0.02794	0.007145	0.038617	0.012009	-0.059063
277	0.052517	0.004224	0.048096	0.03771	0.041863	0.044842	0.051052	0.07104	0.031947	0.00475	0.026476	0.004785	0.001857	-0.015893
278	0.073232	0.009699	0.041245	0.042459	0.006937	0.002119	0.008005	0.043507	0.036541	0.026018	0.026848	0.00486	0.00356	0.004715
279	0.017995	0.034011	-0.020271	-0.032952	0.01612	0.015134	0.027534	0.021822	0.037794	0.051451	0.012516	0.008886	-0.003754	0.014178
280	0.025916	0.061383	0.008821	-0.012773	-0.118664	0.028399	-0.007915	-0.00376	0.021467	-0.009362	-0.0082	0.082712	-0.013065	-0.006861
281	-0.009219	0.02015	0.020416	0.027287	0.019138	0.060048	0.013225	0.021433	0.036357	-0.032913	-0.015231	0.008884	0.006366	0.001585
282	0.014617	-0.000876	0.017443	0.006888	-0.020881	0.024586	-0.018848	0.015272	0.024976	0.014032	-0.00889	0.030463	0.048511	0.012196
283	-0.023059	-0.023114	-0.016607	0.005823	0.020115	0.025081	0.015443	-0.002041	0.034576	-0.022841	0.00192	-0.016639	-0.009609	-0.018088
284	-0.000287	-0.028522	0.000518	0.021099	0.004915	0.036173	0.038073	-0.024763	-0.138707	-0.013933	0.016798	0.000354	0.025797	0.009793
285	0.00602	-0.057963	-0.01315	0.004406	-0.028356	0.037506	0.019492	-0.01758	-0.126444	0.016698	0.00604	0.003439	0.037817	0.035544
286	-0.012622	0.015102	-0.017351	-0.000796	-0.031638	0.006801	0.026218	0.039923	-0.063936	-0.145765	-0.020587	0.006403	-0.019347	0.000118
287	-0.039328	0.02997	-0.026828	-0.025685	-0.031394	-0.021311	0.022028	-0.003392	-0.056392	-0.092965	-0.022151	0.002601	-0.034256	0.011485

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
288	-0.00331	-0.006053	0.016311	0.022584	-0.011523	-0.002903	-0.016491	-0.038313	0.002315	-0.1207	0.020228	-0.02946	0.008484	-0.015621
289	0.031351	-0.009643	-0.001996	-0.013907	0.008219	0.003108	-0.026751	-0.054669	-0.015403	-0.022094	0.019268	-0.010013	-0.007388	-0.084104
290	0.03225	0.018033	-0.013624	-0.011956	-0.038281	-0.004118	0.004758	-0.007721	-0.000512	0.013638	0.000683	0.005906	-0.02605	-0.00454
291	0.028682	0.017672	-0.014231	-0.010861	-0.03474	-0.002869	0.003678	-0.012385	-0.002003	0.002521	0.006183	0.017255	-0.024204	-0.005322
292	0.013086	-0.041807	-0.070443	0.013945	-0.02893	0.024375	0.000986	0.004654	0.028253	0.03214	0.005519	0.069856	-0.000137	0.031158
293	0.056341	-0.015373	0.038794	0.04187	-0.030784	0.021436	0.010956	-0.023539	-0.008721	-0.007706	0.003538	0.026204	0.034745	0.001521
294	-0.01574	-0.002728	0.02016	0.018308	0.033772	-0.051087	-0.002	-0.007134	0.016617	-0.002856	0.023797	0.045496	0.011776	0.025707
295	-0.009935	0.028649	0.031552	-0.018313	0.004159	-0.010737	0.025284	0.007551	-0.028724	-0.004675	-0.012141	-0.007042	-0.004349	-0.028154
296	-0.031379	0.009996	-0.005743	-0.005566	-0.022901	-0.038033	-0.002195	0.037528	0.032227	-0.020074	-0.000562	0.012869	-0.043996	-0.024178
297	-0.030068	0.031422	0.029817	-0.029888	0.009889	0.01878	0.052787	-0.007361	-0.012358	0.01602	0.00236	0.003787	0.000976	-0.019755
298	0.014417	0.0011	0.017125	0.024818	-0.029472	-0.038729	-0.020524	0.043904	0.02971	0.017815	0.002013	-0.055661	0.035635	0.003152
299	0.019674	-0.005123	-0.009255	-0.002097	-0.032509	-0.020062	0.014302	0.01974	0.030092	0.013663	-0.001461	-0.02234	0.009095	-0.004098
300	-0.018259	0.004747	-0.008521	-0.011414	-0.030162	-0.032429	-0.014053	0.031711	0.00818	-0.004915	-0.01116	-0.032552	-0.04946	-0.045684
301	0.017815	-0.005303	0.014529	0.007097	-0.007021	0.019602	0.0003	-0.016515	-0.057789	0.033295	0.031518	0.012955	0.039427	-0.004085
302	0.033884	-0.006928	-0.000858	0.033937	-0.000487	0.059996	0.000105	-0.003244	-0.051285	0.003031	0.011221	0.02942	0.025148	-0.008985
303	0.027013	-0.030013	-0.039317	0.001316	-0.035383	0.00621	-0.01776	0.044276	0.042022	-0.022762	-0.037257	-0.030515	-0.004383	0.029399
304	0.04205	0.001591	-0.044099	0.011921	-0.061934	0.028808	0.012291	0.049145	0.066175	-0.017252	-0.017885	0.023104	-0.02547	-0.001477
305	0.00411	-0.019825	0.017874	0.031475	-0.030546	-0.037298	-0.033748	-0.003482	-0.026013	0.053023	-0.010258	-0.053599	-0.0276	0.000887
306	-0.000244	-0.007127	-0.043403	0.016617	0.006028	0.026405	-0.009782	0.040174	-0.003096	-0.000596	-0.015369	0.012848	-0.001684	0.029699
307	0.007487	0.030211	0.04001	0.007628	-0.087643	-0.007626	0.028839	0.030333	-0.017329	0.012379	-0.01015	0.005327	0.06227	-0.005511
308	0.010745	0.013738	0.00146	-0.008019	-0.022867	0.047897	0.007159	-0.027083	0.013948	0.047331	0.039036	0.002793	0.005995	0.004903
309	-0.031712	0.020949	0.009328	-0.017658	0.014157	0.006234	0.001585	-0.019891	0.015913	0.02523	-0.007048	0.014531	0.007486	-0.002548
310	-0.00471	-0.025331	-0.007809	0.006805	-0.040151	-0.037204	-0.039441	-0.020561	-0.005099	0.03043	-0.008215	-0.01054	0.000833	0.016587
311	0.008279	0.055522	0.012609	-0.047918	0.009046	0.001027	0.041952	0.02886	-0.018191	0.019715	-0.038681	-0.055518	-0.030632	-0.030364
312	0.059015	-0.002445	0.00627	0.008381	-0.011959	-0.025147	-0.013384	0.029991	0.017806	-0.003324	0.025825	0.013603	-0.006096	-0.004869
313	0.02197	0.057755	0.04615	-0.003753	0.014093	-0.011726	-0.01516	0.008052	-0.014623	0.022796	-0.000033	0.001508	0.00306	0.004874
314	0.001549	-0.011361	-0.006076	-0.021407	-0.062796	0.043765	0.029315	0.000406	0.015962	0.000343	-0.024391	0.014064	0.02119	-0.006085
315	0.025715	0.019956	-0.015134	-0.01208	0.021549	0.007406	0.012648	0.007038	0.028089	-0.01797	0.023715	0.007821	-0.029395	-0.00864
316	-0.00372	0.046859	0.043751	0.049584	-0.059399	-0.074395	-0.011587	0.030739	0.016357	-0.035645	0.003434	0.016822	-0.00256	-0.019707
317	0.024784	-0.010349	0.018155	-0.013224	-0.016175	-0.022713	-0.004622	-0.017902	-0.032741	0.018894	0.010652	-0.041424	-0.002071	-0.013505
318	-0.00357	-0.040774	-0.014862	0.012102	0.022703	0.014284	0.001731	0.030108	-0.014722	-0.008836	0.001436	0.008228	-0.013353	0.000695
319	0.012522	0.004938	0.010677	0.000041	-0.01746	-0.019514	0.001731	-0.006462	-0.004657	-0.041129	0.030043	-0.009997	-0.020057	0.010644
320	0.039736	0.001628	0.039686	0.008233	-0.009177	-0.000374	0.004384	-0.038511	-0.038553	-0.044144	0.042634	0.02371	0.054079	0.021982
321	0.026323	-0.01203	-0.041685	-0.014207	0.042157	0.041867	0.029492	-0.018556	0.000403	0.028738	0.009414	0.017568	-0.009601	-0.005464
322	-0.022343	0.006246	-0.026337	-0.034349	0.030425	0.022783	-0.032355	-0.032194	-0.0037	-0.021403	0.008072	0.045893	0.017103	0.011816
323	-0.036258	-0.006341	-0.025437	-0.024775	-0.009053	-0.034393	-0.031301	-0.039004	-0.026494	0.003243	-0.028238	0.063974	0.023556	0.019887
324	0.009029	-0.019658	-0.00485	0.020455	0.052894	0.03213	-0.025005	0.039678	-0.017566	-0.020064	-0.002599	-0.03909	-0.005693	-0.010831
325	-0.017236	0.008304	0.01121	0.00975	0.000468	0.009227	0.017448	0.009481	0.031464	0.02703	-0.007993	-0.011937	-0.056626	-0.031535
326	-0.064073	-0.04994	-0.035452	0.009268	0.022997	-0.036487	0.010693	-0.002287	-0.000484	-0.038815	-0.034079	-0.020477	-0.02166	-0.008486
327	-0.008186	0.003001	-0.039458	0.000537	0.035422	0.00374	0.014705	0.023975	0.02718	-0.014763	0.013351	0.037271	0.004687	0.01022
328	-0.061458	-0.016953	-0.006922	0.001202	-0.053806	0.032696	0.011523	0.006944	0.013707	0.04278	-0.021405	-0.021885	-0.002568	-0.003741

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
329	0.023145	-0.009879	-0.057288	-0.004176	0.024226	0.00065	-0.000115	0.042036	-0.016912	-0.036636	-0.039906	-0.004625	0.016107	0.025662
330	0.039761	-0.032988	-0.030851	-0.014571	-0.002834	0.024953	0.017874	0.057546	0.006603	0.010985	-0.013751	-0.062162	-0.021571	0.001114
331	-0.018074	-0.025466	-0.015192	0.038467	0.036302	-0.01409	-0.026212	-0.023934	0.047561	-0.010501	-0.007407	0.056338	0.027238	0.027143
332	0.014144	0.011491	-0.004125	-0.03563	-0.040351	0.018346	0.019715	-0.034707	-0.014801	-0.003785	0.051706	-0.027803	-0.033235	0.001435
333	-0.024657	-0.030567	0.004068	0.002162	0.050462	0.018948	-0.012404	-0.011151	-0.007436	0.005946	0.015932	0.018726	0.015281	0.021173
334	0.017907	0.016501	0.014181	-0.023796	0.043165	0.034026	0.023101	0.021344	-0.036521	-0.036583	0.031628	0.028466	0.003986	-0.028312
335	-0.021689	-0.033699	-0.028806	0.028987	-0.032551	0.003693	-0.020297	-0.031773	0.037556	0.048689	-0.002561	0.006798	0.002749	0.046907
336	0.009208	-0.004247	0.050944	0.019279	0.027643	0.01716	0.025756	0.001204	0.007597	-0.045349	0.001471	-0.025468	0.026978	-0.038545
337	-0.034864	-0.012901	-0.013367	-0.000336	0.002987	-0.0199	-0.014479	-0.003369	0.019673	-0.012522	-0.003532	-0.072609	-0.011219	0.030746
338	-0.007397	0.0033	-0.001995	-0.037524	-0.013073	0.018242	-0.005172	-0.000443	-0.016469	-0.023449	0.035998	0.013414	0.00777	-0.011679
339	0.001276	0.016995	-0.014072	-0.011813	-0.008215	-0.019445	0.023189	0.029396	-0.002276	-0.024553	-0.038178	-0.007167	-0.01973	0.001042
340	0.006357	0.037145	0.011797	-0.011147	0.021013	-0.003391	-0.004184	-0.006406	0.005154	0.014033	-0.001766	-0.010771	0.014156	0.042706

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
1	0.025765	-0.031694	0.009224	0.09264	0.010846	0.031861	0.021791	0.051123	-0.063054	-0.035289	-0.045668	-0.046722	0.008047	-0.048934
2	0.037871	0.034928	0.064343	0.06491	0.035598	-0.0372	-0.031115	-0.046164	0.012	0.034677	-0.035139	-0.043151	0.037756	0.070143
3	-0.040629	0.055433	0.076843	0.014883	-0.020355	-0.03256	-0.060739	-0.017108	0.064394	-0.010351	-0.019046	-0.023887	-0.037299	-0.07299
4	-0.060857	0.020772	0.016012	-0.047123	0.053079	-0.005659	0.034347	-0.058534	-0.189014	-0.008601	0.019112	0.024054	-0.00212	-0.030715
5	-0.017824	-0.015868	-0.045592	0.011001	-0.096767	-0.055679	-0.006765	-0.012442	-0.040655	0.059623	-0.015237	-0.007759	-0.034958	0.006017
6	-0.030785	-0.07452	-0.057568	0.000527	0.011752	-0.010853	-0.028018	0.008691	0.041472	0.044392	0.013395	0.013002	0.010285	-0.041221
7	0.02361	-0.00282	-0.04559	-0.056112	-0.008595	-0.000296	0.030051	0.04122	0.018299	0.043385	-0.032635	-0.011322	-0.026947	0.023842
8	-0.045916	0.022812	0.020664	-0.00899	0.036326	-0.002062	-0.033733	-0.038781	-0.030044	-0.05817	-0.004765	-0.022429	0.015259	-0.04908
9	-0.004623	-0.013525	0.000573	-0.007631	0.108821	0.030613	0.015651	0.007336	0.157722	0.105008	-0.022045	-0.026931	-0.033566	0.060356
10	-0.031812	-0.041815	0.009438	-0.047654	-0.036107	0.045733	0.033019	0.002661	0.00814	-0.036579	0.020026	0.020044	-0.019143	-0.022041
11	0.017996	0.024872	0.031833	-0.00689	0.012343	0.010558	-0.009153	-0.001282	-0.002216	-0.048403	-0.006162	-0.005854	-0.019157	0.0438
12	-0.044924	-0.043563	-0.023568	-0.024568	-0.048201	0.004734	0.027588	0.01282	-0.058272	-0.022054	0.010563	0.025443	-0.021574	-0.063682
13	-0.029981	0.060049	0.036836	0.002897	-0.088124	-0.01558	0.003952	-0.014953	-0.073618	0.054597	0.049251	0.063065	-0.003622	-0.041895
14	0.038629	-0.023976	-0.005644	-0.032385	0.063203	-0.038773	-0.056059	-0.072438	0.032844	0.158945	0.031091	0.056096	-0.032808	0.030323
15	0.0178	-0.039094	-0.022496	-0.057576	-0.062019	-0.007231	0.012073	0.078297	-0.098442	0.01122	0.036587	0.023232	0.053614	-0.10583
16	-0.014293	-0.074316	-0.015863	0.007497	0.056669	0.012844	0.002108	0.012878	-0.060471	0.027628	0.005763	-0.003916	-0.041828	0.095345
17	-0.031725	0.041194	0.032184	0.011819	0.019622	0.032324	0.01972	0.059035	0.076233	-0.015313	0.009978	-0.001015	0.021828	-0.052409
18	0.03079	0.01079	-0.000593	0.038643	-0.058347	0.01649	-0.017651	-0.033364	0.058784	-0.029141	0.026054	0.008858	-0.04381	0.02779
19	-0.004856	0.015518	0.033477	-0.032595	-0.0223	-0.044096	-0.010824	0.015376	0.016986	-0.021338	-0.015783	-0.006746	0.084682	-0.024167
20	0.035363	-0.050285	0.014248	0.050559	0.035422	0.039846	0.017316	0.061376	0.046641	-0.042484	0.003476	-0.003576	-0.061831	0.023761
21	-0.00594	-0.034316	0.013414	-0.004957	0.068723	0.034635	0.012342	-0.019229	-0.021155	0.021017	-0.012565	-0.017138	-0.07722	0.093696
22	0.057056	0.007508	-0.042485	0.010002	-0.033288	0.003499	-0.016622	-0.064005	-0.113986	-0.017324	0.017901	0.036443	-0.047213	0.081267
23	0.014113	0.08785	0.07953	0.054942	-0.048923	-0.043374	-0.030535	-0.018	0.050584	-0.005856	-0.004228	-0.014889	0.007015	-0.020562
24	-0.027532	-0.029817	0.001352	0.028314	0.038057	0.03037	0.00041	0.001386	-0.021893	-0.064625	0.025466	0.027805	-0.004499	-0.006465
25	0.025075	0.02502	-0.027416	0.065671	0.024734	0.038842	0.090343	0.044802	-0.086943	0.004615	-0.031729	-0.026093	0.022223	-0.061989
26	0.0612	-0.006826	0.031872	0.056348	0.039275	0.006467	-0.011248	-0.026795	0.01805	-0.082156	-0.040534	-0.045891	-0.014403	0.098875
27	-0.05548	0.002233	-0.013163	-0.072908	0.004912	0.02837	0.000562	0.057655	-0.058762	-0.043145	-0.05062	-0.039883	-0.091029	0.049203
28	-0.023605	0.024832	0.009601	0.057473	-0.064616	0.019753	0.063533	0.033844	0.033028	-0.032764	0.045251	0.055299	0.081911	-0.049004
29	-0.005155	-0.032011	0.050269	0.064124	0.016388	-0.025114	-0.080902	-0.025857	-0.15859	-0.025304	-0.011187	-0.01849	-0.014333	-0.021019
30	-0.04099	-0.027614	0.045601	0.047381	-0.057606	-0.145062	-0.070554	-0.065416	-0.009126	0.000816	-0.072041	-0.062153	0.0729	-0.009218
31	0.008092	-0.019801	-0.056845	-0.036895	-0.092552	0.032445	0.025042	-0.024258	0.054834	-0.080136	-0.126065	-0.123724	-0.076718	-0.02122
32	-0.058647	-0.030583	-0.000694	0.05176	-0.051051	-0.013282	-0.001113	-0.027757	0.046548	0.009403	-0.00803	0.007511	-0.018891	-0.04725
33	0.004938	-0.022528	-0.002421	0.053179	0.030524	0.033379	0.040919	0.011677	0.004708	0.03991	-0.006509	-0.009055	-0.082302	0.006466
34	0.004545	0.015626	0.004683	-0.00837	0.108824	-0.012973	-0.01033	0.01463	0.088922	0.046667	0.050373	0.045606	0.067906	0.048648
35	-0.043241	0.02839	0.032951	-0.027469	-0.024782	-0.017689	-0.017993	-0.010819	0.008994	0.054606	0.092269	0.103394	0.033898	0.034677
36	-0.058007	0.02917	0.009275	0.002298	-0.033718	-0.038927	0.008589	-0.047586	-0.026312	-0.058244	-0.018064	-0.029066	0.071701	0.014084
37	-0.041554	0.067736	0.075791	-0.050695	0.127755	-0.001083	-0.071152	-0.009193	-0.054033	0.108521	0.034472	0.029425	0.028322	-0.090156
38	0.006803	-0.052683	-0.055521	0.012205	0.046015	-0.004238	0.026729	0.003985	0.056208	0.047137	-0.021194	-0.002232	0.04126	-0.004672
39	0.004896	0.08361	0.049396	-0.033327	-0.106342	0.004741	-0.010283	-0.004574	-0.107663	-0.019136	0.046805	0.039683	0.004392	0.022984
40	-0.000828	-0.124038	0.002691	0.049916	0.006252	0.022949	0.020236	0.041306	-0.092475	-0.007893	-0.052907	-0.053758	0.01797	-0.098947
41	-0.037933	0.013475	-0.096959	-0.060919	0.067824	0.009543	0.007525	-0.05656	-0.005959	0.113	0.013314	0.020556	-0.134871	-0.01469

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
42	-0.009185	0.019423	0.019121	-0.026556	0.073793	0.024997	0.033145	0.064792	0.11075	0.000205	-0.013684	0.009898	0.042999	-0.034415
43	-0.001154	0.016135	-0.067798	-0.111293	0.007347	-0.024448	-0.046422	-0.022564	-0.13562	-0.080531	-0.071202	-0.082972	0.001536	0.130801
44	0.049	0.043956	0.0048	-0.025089	-0.008664	0.041856	0.051694	0.116396	0.073889	-0.038749	0.030585	0.034422	0.165505	0.039859
45	-0.018967	0.04141	0.030832	0.078755	-0.060304	-0.01816	-0.012455	-0.035686	-0.002239	-0.032759	0.04004	0.025051	0.020618	0.003893
46	-0.019887	-0.033664	-0.038112	-0.038356	-0.083522	-0.060069	-0.062011	-0.076959	-0.029065	-0.011781	-0.01661	-0.011686	-0.046626	0.079263
47	-0.037794	-0.003252	0.029237	0.043247	-0.073781	-0.021222	0.035153	0.045299	0.099239	-0.020722	-0.003023	0.032824	-0.10774	-0.039757
48	0.038719	-0.016734	0.046289	0.018048	0.145736	0.033802	0.020885	0.012381	0.102853	-0.013144	-0.060245	-0.061528	-0.025292	0.041493
49	-0.02136	0.080983	-0.017995	-0.033066	0.008204	0.037428	0.013586	0.086056	-0.056191	-0.035088	0.011362	-0.002	-0.049639	0.003141
50	0.081135	0.032685	0.052522	0.049664	-0.044209	-0.024178	-0.019256	-0.051352	0.023715	-0.01649	-0.047202	-0.047531	0.02461	0.01474
51	-0.050947	0.039329	-0.082807	-0.014471	0.049966	-0.030255	0.014351	-0.021385	-0.019265	0.009762	-0.074101	-0.06447	-0.026395	-0.003503
52	-0.02767	-0.054094	0.017748	0.089652	-0.026157	-0.060294	0.003846	-0.018785	-0.02668	-0.01146	-0.029539	0.000685	-0.027665	-0.014032
53	0.079873	-0.039191	-0.044267	-0.000161	-0.10816	-0.027667	-0.012881	-0.005875	-0.193085	-0.039856	-0.006406	-0.005065	0.044103	0.013828
54	-0.020529	-0.021789	-0.044084	-0.008324	0.027313	0.010359	0.051224	0.004837	-0.092596	-0.005055	-0.056812	-0.047628	-0.060752	0.025902
55	-0.036643	-0.113026	-0.17761	-0.209457	-0.033322	0.007239	0.041593	0.046764	-0.064529	-0.006264	0.077565	0.075814	0.098577	0.01876
56	0.021316	-0.080669	-0.07564	0.06012	0.043631	0.038321	0.016979	0.049035	0.036379	-0.011351	-0.000518	0.016719	-0.000782	-0.057012
57	-0.004072	0.053407	-0.003209	-0.052056	0.012779	-0.008061	0.007318	-0.010456	0.107536	-0.061918	-0.026422	-0.035083	-0.029889	0.020429
58	-0.00227	0.024201	0.083049	0.004924	0.056385	0.025021	-0.023799	0.001076	0.058211	-0.001594	-0.023784	-0.016271	0.010676	-0.061433
59	-0.025376	0.042221	0.089649	0.049913	-0.049692	-0.011468	-0.020504	-0.052686	-0.041253	-0.000378	0.004053	-0.009711	0.007283	0.047642
60	-0.030831	0.071137	-0.038047	-0.129203	0.008009	0.00194	0.011172	0.070193	0.015349	0.013046	-0.033703	-0.019187	0.078464	-0.014795
61	-0.026041	-0.054506	-0.033136	0.047925	-0.115771	-0.05224	0.005088	-0.028596	0.002183	0.009983	0.039898	0.041344	-0.017082	0.017753
62	0.036293	-0.08011	-0.039774	0.028278	0.042974	0.035091	0.039561	-0.009475	-0.065027	0.004079	0.015268	0.000788	0.032818	0.079538
63	-0.064987	-0.038191	0.074319	0.057043	-0.041023	-0.022953	-0.021724	0.014727	0.024068	-0.010831	0.041973	0.052838	-0.018476	-0.004637
64	0.004745	-0.023078	0.016723	0.019215	0.011836	0.013099	-0.001443	-0.013208	-0.010761	-0.01869	-0.006795	0.009608	-0.002703	-0.003748
65	-0.022292	-0.027798	0.143891	0.0328	0.032036	-0.023869	-0.032335	0.003082	-0.068152	0.084853	-0.016643	-0.008517	-0.056123	-0.05434
66	0.008576	0.030789	0.000064	-0.02089	-0.000013	-0.008372	0.019162	0.011021	0.01847	-0.020368	-0.002365	0.010953	-0.002022	-0.044874
67	0.089666	-0.047186	-0.026427	-0.061787	0.085531	0.032824	-0.037933	-0.034661	0.102297	0.044554	-0.018881	-0.035063	-0.073435	-0.075879
68	0.034944	0.039895	-0.012567	-0.018149	0.052581	0.015585	0.010893	-0.039033	0.00636	0.036952	0.000367	-0.008798	0.01817	-0.009676
69	-0.058025	-0.024247	0.048948	-0.000722	0.053923	0.092775	0.114115	0.060753	0.060465	-0.037068	-0.001064	-0.016387	0.00174	0.055499
70	0.018024	0.113336	0.081356	-0.038053	-0.038973	0.002183	-0.007417	0.006206	-0.033646	0.008149	-0.005097	-0.012589	-0.018137	-0.100323
71	-0.03501	0.060819	0.111369	-0.014706	-0.054591	0.018413	0.017727	-0.000038	0.00573	0.060657	0.007366	-0.01729	-0.031737	0.011037
72	0.047145	0.007606	-0.03304	0.021479	0.004922	0.021998	0.042347	0.032187	-0.049228	-0.014424	-0.02523	-0.03063	-0.039078	0.056837
73	-0.000516	-0.010747	-0.022314	-0.052917	-0.044081	0.039326	0.029362	0.008548	-0.042181	-0.022906	0.067895	0.058541	-0.008255	-0.011354
74	-0.055238	-0.016777	-0.001115	-0.020928	0.08919	0.024367	0.01169	-0.006854	-0.016842	0.005836	-0.041234	-0.032495	-0.042933	-0.097431
75	-0.023941	-0.076804	-0.034983	0.002834	-0.025444	-0.030943	-0.04726	-0.067938	-0.002254	-0.106866	0.017238	-0.000629	-0.063981	0.004539
76	-0.037246	0.04292	-0.015006	0.00342	-0.002727	-0.053113	0.007016	-0.02384	-0.094935	-0.074254	-0.069185	-0.052952	-0.035557	-0.006904
77	-0.038446	-0.002012	-0.073949	-0.058863	0.023607	0.017429	0.021012	0.094967	0.080173	-0.007494	-0.037422	-0.03193	0.069164	0.012888
78	0.116941	-0.10312	-0.063191	0.042024	-0.042767	-0.047019	-0.05386	-0.050488	0.000613	0.011219	0.011407	0.023222	0.102452	0.049439
79	0.055035	-0.045611	-0.022133	0.078573	0.007562	0.03804	0.027634	0.046446	-0.014645	0.009059	0.005553	0.001754	-0.019187	0.006205
80	0.005628	0.023203	0.022975	-0.007332	0.008331	-0.02424	-0.008515	-0.023357	-0.049432	-0.050158	-0.011824	-0.012275	-0.006941	-0.002153
81	-0.056029	0.040106	0.015537	-0.018423	0.07607	-0.025764	-0.066792	-0.053275	0.003578	0.048862	-0.013413	-0.025376	0.038145	-0.016853
82	-0.046585	0.106938	0.111081	0.064376	-0.040057	-0.036587	-0.02727	-0.005489	0.072701	0.011929	-0.011531	0.009057	-0.026308	-0.00655

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
83	0.022909	-0.055194	0.021148	0.01727	-0.09874	-0.037893	0.010879	0.031983	-0.117131	-0.04312	0.007648	0.032985	0.023119	0.001008
84	0.003759	0.097493	0.046126	-0.067503	-0.013164	0.098151	0.046863	0.014708	-0.060377	0.109982	0.131546	0.090582	0.038772	-0.036816
85	0.047114	0.008398	0.04838	0.103498	0.024652	0.007253	0.016746	0.063979	0.036282	0.045103	-0.005873	0.008142	0.095492	0.039589
86	-0.076824	-0.016123	-0.008416	-0.005659	0.053636	-0.019394	0.000026	-0.007317	0.077715	0.025951	0.024834	0.02692	0.030754	-0.000087
87	0.055999	-0.011043	0.023686	0.048736	0.015005	-0.008258	-0.010555	-0.079495	0.019303	0.074298	-0.016501	-0.015602	-0.037058	-0.005308
88	0.070721	-0.078496	-0.100196	-0.042269	0.029224	-0.020152	0.075671	0.019764	0.080414	-0.110907	-0.022296	-0.015974	0.035372	-0.038986
89	0.060893	0.025394	-0.005736	-0.03959	0.078935	0.016471	0.013108	-0.005012	0.045719	-0.077135	-0.118099	-0.108676	-0.155816	-0.093184
90	-0.021242	-0.021712	-0.021894	0.028963	0.049498	-0.014582	0.006171	-0.093708	-0.096285	0.035335	-0.028081	-0.044402	-0.092102	0.07532
91	-0.017999	0.017963	-0.085281	-0.014672	-0.157352	-0.027268	-0.029809	-0.062505	0.16815	0.131547	0.053666	0.031383	0.0787	0.05649
92	-0.032897	0.013164	-0.016763	-0.057079	0.001999	-0.047217	-0.060243	0.061443	0.018918	0,00822	0.046105	0.046713	0.152251	-0.02529
93	-0.00402	-0.032694	0.022284	0.000885	0.042166	-0.005473	-0.014274	0.034628	0.059797	0.012339	0.010842	0.021667	0.007102	0.005233
94	-0.038275	0.014315	-0.042959	-0.008393	0.0369	-0.017952	-0.045722	-0.056553	0.016636	0.000844	-0.000767	0.015807	-0.01854	0.013722
95	0.005174	0.026127	-0.000616	0.039217	-0.061488	-0.048878	-0.075322	-0.049119	-0.035349	-0.125005	-0.02907	-0.020347	0.068872	-0.118281
96	-0.01802	-0.082885	-0.037156	0.01978	-0.067681	-0.000964	-0.006862	-0.044244	0.019043	-0.138152	0.008686	0.024353	-0.026276	-0.053081
97	0.039158	0.001986	-0.000089	-0.03288	-0.097846	-0.030468	-0.044306	-0.003955	-0.021348	-0.049528	0.003297	-0.013688	0.05756	-0.019658
98	-0.028501	-0.080206	-0.037575	0.001467	0.061816	-0.076223	-0.034977	0.007231	0.117595	-0.030641	-0.031619	-0.024001	0.011685	0.034931
99	0.060711	0.01839	-0.045764	-0.028113	-0.033145	-0.033637	-0.042056	-0.023042	-0.034467	0.0595	0.020561	0.01274	0.004904	0.095139
100	-0.056032	-0.026989	-0.001135	-0.004151	-0.009019	-0.020673	0.015416	0.020441	0.060054	0.081922	-0.003782	-0.013011	0.047101	0.034503
101	0.052481	0.064968	0.003851	0.006488	-0.124409	-0.021217	-0.044027	0.033284	0.037873	0.007365	0.027086	0.010143	-0.017573	0.062212
102	-0.012169	0.040166	0.073284	0.027748	0.034227	-0.011176	-0.000372	0.03138	-0.100058	0.03811	0.029104	0.02276	-0.0438	-0.022509
103	0.058008	0.049471	-0.0209	-0.005642	-0.086701	0.032538	0.048787	0.015785	0.095656	-0.060213	-0.011292	-0.003595	-0.056721	-0.048724
104	-0.039391	0.016489	-0.03009	-0.017197	0.081365	-0.0293	-0.013703	-0.031279	-0.062769	0.110052	0.03779	0.039581	0.052703	0.086578
105	-0.016273	-0.029287	-0.036401	0.017675	-0.060302	-0.007373	0.004999	0.036667	0.034811	-0.01041	0.035916	0.039593	0.10554	-0.061437
106	0.000438	0.068061	0.113581	0.120656	0.013076	0.009734	0.018275	-0.006186	0.081912	0.043279	-0.026076	-0.000685	0.003252	0.0386
107	-0.019724	0.028862	0.021341	0.036566	0.04705	0.055882	0.061768	0.02574	0.038541	-0.02687	-0.01818	-0.004412	-0.084131	-0.043184
108	0.031888	-0.020926	0.001805	0.034479	-0.0345	0.014773	-0.024404	-0.017981	0.044714	0.01453	0.026098	0.013789	-0.036145	-0.02041
109	-0.036641	-0.011524	0.004208	-0.021752	0.051485	-0.016805	-0.017794	-0.020351	0.037786	-0.027314	-0.00766	-0.002631	-0.022048	-0.02102
110	-0.003449	0.030102	-0.020112	-0.01994	0.000476	0.008586	0.026861	-0.034521	0.008472	0.005028	0.017394	0.021117	0.021235	0.009251
111	0.003526	0.040703	-0.03228	-0.027507	-0.001821	0.019028	0.037942	-0.020437	0.048766	0.045132	-0.009915	-0.013039	-0.027743	0.037467
112	-0.008506	0.025583	0.043771	-0.012729	0.042817	-0.01307	-0.001168	0.004188	0.030649	-0.001401	-0.02111	-0.030529	0.019383	-0.012029
113	-0.038881	0.005903	0.045201	0.003385	-0.030131	0.017623	0.006944	0.013735	-0.109655	-0.002078	0.017717	0.010392	-0.018339	-0.002099
114	0.019595	-0.001965	-0.037045	0.010418	0.0705	-0.009201	-0.01237	-0.041279	-0.017806	-0.053969	-0.015791	-0.020006	0.009607	0.023329
115	0.082935	0.016736	0.019797	-0.048131	-0.008013	-0.025076	-0.065257	-0.025265	-0.097179	0.033231	0.005509	0.004494	0.026177	-0.024129
116	0.045919	-0.006148	0.064575	-0.01751	0.068132	-0.013722	-0.008003	0.00137	-0.101327	0.008883	-0.009522	-0.023936	-0.004296	-0.022277
117	-0.097891	0.029446	0.027721	0.048905	0.038674	0.025938	0.003679	-0.041009	-0.131526	-0.031978	-0.019358	-0.035035	0.012103	-0.005085
118	-0.010686	-0.047938	-0.000556	0.022513	-0.089482	0.013549	0.007958	-0.016966	0.023136	0.003978	0.052277	0.054584	-0.032607	-0.017512
119	0.001895	-0.013657	0.036081	-0.014122	-0.006779	-0.015101	-0.082252	-0.044571	-0.062261	-0.028152	-0.00328	-0.011348	-0.033933	0.045584
120	0.064152	-0.053414	-0.037058	0.059903	-0.065309	-0.064963	-0.051942	0.030759	0.024792	-0.039815	-0.013999	0.001381	0.027475	0.013867
121	0.014469	0.028333	0.03582	-0.047137	0.059071	0.005004	0.011565	-0.00459	0.029046	0.064402	0.027233	0.011667	-0.029648	-0.027919
122	0.09376	-0.012846	-0.062384	-0.078205	0.082671	-0.025987	-0.039209	-0.052268	-0.001281	0.134976	0.019383	0.001614	-0.030112	0.04683
123	-0.023971	0.066304	-0.007036	-0.015467	-0.067584	-0.059067	0.017338	0.017821	0.015303	-0.141365	-0.126781	-0.095571	0.050527	-0.048055

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
124	0.071517	0.070806	-0.052368	-0.034369	-0.039998	-0.026215	0.016617	-0.036177	0.082591	0.003868	0.019563	0.015069	0.052799	0.009967
125	-0.023686	0.009501	-0.005095	-0.007755	-0.064809	-0.052448	-0.035149	-0.017281	0.056946	0.021559	0.021854	0.033143	0.022154	-0.038452
126	0.017665	-0.068819	0.01041	0.047595	0.010474	0.044841	0.022444	0.007928	-0.075498	-0.087491	0.050395	0.030602	-0.049171	0.013434
127	0.062741	0.036347	-0.020175	0.004938	0.113424	0.044122	0.040929	0.064347	0.04267	0.012045	0.00946	-0.019329	0.044861	-0.051928
128	0.030356	0.01175	0.017994	-0.032308	-0.005325	-0.035854	-0.02842	0.007301	-0.016015	0.012345	-0.02748	-0.032444	0.015718	0.054358
129	-0.025186	0.061864	-0.004801	-0.009278	-0.004076	-0.019725	0.004824	-0.016508	0.019565	0.032233	0.011748	0.007412	-0.002592	-0.004686
130	-0.007574	-0.030539	-0.003777	0.009966	-0.017939	0.049343	0.081644	0.031777	0.03174	0.005845	0.024667	0.017749	0.000738	-0.000208
131	0.016551	-0.011206	-0.005977	-0.03082	0.046714	-0.01221	-0.037274	-0.031181	0.032493	0.025416	0.013706	0.004701	0.001875	-0.024805
132	0.006036	0.048435	0.007327	-0.035471	-0.039783	-0.028106	-0.005914	-0.014774	-0.053996	0.005454	0.008654	0.026507	0.048899	-0.006952
133	-0.011463	0.025036	-0.048525	-0.004995	0.004371	-0.021584	-0.0157	0.01079	-0.064572	-0.009668	-0.021432	-0.025001	0.022298	0.001798
134	-0.033624	-0.016712	0.035687	0.047738	-0.005349	-0.033933	0.002535	0.014192	0.060074	-0.005685	-0.033254	-0.036197	0.059679	0.018141
135	-0.028758	-0.091985	-0.080799	-0.047975	0.026882	0.01898	0.043274	-0.004708	-0.055043	0.022409	0.037873	0.056231	0.010696	0.000348
136	-0.036524	-0.016222	0.015921	0.049506	-0.021089	0.014757	-0.02158	0.013313	-0.051519	-0.018414	0.005299	-0.00743	0.028007	-0.004603
137	-0.017968	-0.037194	0.011117	0.029731	0.09683	0.028142	0.026141	0.036535	-0.027099	0.00467	0.025139	0.043146	0.061424	0.050549
138	0.025513	0.004232	-0.010004	0.002561	-0.023453	-0.015446	-0.033719	0.037562	-0.089402	0.052279	0.027203	0.035195	0.011636	0.052494
139	-0.022073	0.000348	0.026097	0.034322	0.012708	0.040563	0.039084	0.03956	0.005715	0.013685	0.010879	0.016159	-0.005826	0.012117
140	-0.029003	0.000348	0.010362	0.010336	-0.009082	0.004462	-0.004441	-0.002759	0.007178	-0.01279	0.024325	0.052376	-0.016981	-0.034557
141	0.003524	-0.027014	0.008281	0.044288	0.024979	0.00166	-0.002797	0.011499	-0.033942	0.007396	-0.007088	0.003403	-0.013811	0.003258
142	-0.013546	0.008858	0.006603	-0.024195	0.045935	0.014671	-0.011163	-0.012799	-0.00234	0.005347	-0.016374	-0.018222	-0.094524	-0.020947
143	-0.033059	-0.014882	-0.006357	-0.012828	0.004646	-0.007549	-0.000731	0.016889	-0.077931	0.011268	0.022084	0.028839	0.039743	-0.006341
144	0.000683	-0.014344	-0.016389	-0.021014	0.017887	0.038594	0.034493	0.014075	-0.016824	-0.006967	0.031742	0.032475	-0.019624	-0.014019
145	0.013437	-0.000247	0.041401	0.036588	-0.00115	-0.008798	-0.008467	0.030313	0.095418	-0.002324	0.03629	0.034041	0.043959	-0.034994
146	-0.034324	0.0133	0.026999	-0.005715	0.004176	0.002071	0.049494	-0.003053	0.011889	-0.038888	-0.017413	-0.015247	-0.028945	0.005244
147	-0.019331	0.015149	0.002588	-0.001276	-0.013215	0.010039	-0.000199	-0.008217	0.050956	-0.000225	0.006925	0.010322	0.00419	-0.034602
148	-0.005477	-0.004621	-0.057781	-0.016872	-0.024884	-0.01495	0.007549	-0.023448	0.07627	0.022331	-0.014422	-0.019772	-0.014534	-0.01575
149	0.017789	-0.000714	0.011368	0.023359	0.033712	0.028868	0.036365	0.019455	-0.04041	-0.009529	0.004336	0.01466	-0.003075	0.008226
150	-0.008888	0.03946	0.010183	-0.009983	0.053271	0.031797	0.034246	-0.02393	-0.033559	0.01149	-0.013315	-0.023028	-0.010711	0.031599
151	-0.02438	-0.03883	-0.055254	0.009688	0.019824	0.019094	0.021672	0.007467	0.065376	0.027882	-0.011975	-0.00743	0.019572	0.023903
152	-0.026559	-0.005561	-0.00599	0.057584	-0.061247	-0.024531	-0.013573	0.008197	-0.027437	0.002333	0.001728	0.012551	0.041306	-0.008186
153	0.001348	0.057055	0.043996	-0.012167	-0.068293	-0.015827	-0.006484	-0.034873	0.005396	0.013197	-0.000287	0.020491	-0.03986	-0.013972
154	0.00158	0.029556	0.01106	0.03777	0.002883	-0.008093	-0.011177	-0.028521	-0.02672	-0.031214	-0.005717	0.002317	-0.00034	0.007004
155	-0.006031	0.014594	0.03784	0.03803	0.016623	-0.001089	0.001483	-0.012935	0.017033	-0.025476	-0.02395	-0.014998	-0.001233	0.025073
156	0.000518	0.058054	0.043139	0.003938	-0.020116	0.046044	0.036545	0.028709	0.032302	-0.009752	0.014824	0.012628	-0.019313	0.009171
157	-0.01321	-0.019545	0.007922	0.002507	0.019579	0.004532	-0.010869	0.035257	0.016396	-0.040353	0.004702	0.004362	-0.014016	-0.023416
158	-0.007165	-0.017498	-0.014244	-0.032312	-0.004795	0.012018	0.011479	0.014965	0.013653	0.004118	-0.015052	-0.024945	0.023264	0.007973
159	0.03814	-0.028627	-0.004428	-0.003332	-0.031196	-0.010859	0.002848	-0.015732	-0.006196	0.005936	-0.017978	-0.005896	-0.037291	0.050862
160	-0.011276	-0.036307	-0.025016	-0.033767	-0.00197	0.008762	-0.016105	0.013796	0.018482	0.013344	0.023247	0.022636	-0.002356	0.031013
161	-0.046762	-0.017461	-0.016652	-0.011533	-0.057473	-0.027673	-0.0064	0.006918	0.026048	-0.035886	0.026724	0.0193	0.009651	-0.048473
162	0.017088	-0.080274	-0.03781	-0.018136	-0.021895	0.027026	0.032166	0.017967	-0.014126	0.024866	0.047207	0.036461	0.007153	0.022806
163	0.032999	-0.033251	-0.043341	0.012627	-0.018812	-0.015063	-0.026412	0.002246	0.080545	0.029078	-0.01693	-0.013135	-0.013869	-0.004707
164	0.002923	0.028032	0.003799	-0.078136	0.045678	0.027446	0.050495	0.04327	-0.019921	-0.019662	-0.023016	-0.03646	-0.002774	-0.018529

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
165	0.022835	0.028198	0.019952	0.009166	0.048623	-0.010382	-0.023782	0.013832	-0.048231	0.028535	-0.003129	-0.003128	0.054115	-0.006757
166	0.008177	-0.020075	-0.029495	-0.001123	0.053296	-0.02125	0.024746	0.006233	-0.039228	-0.014628	-0.044461	-0.035397	0.006506	-0.029502
167	-0.027582	-0.05463	-0.016855	0.014079	0.063347	0.010558	0.025062	0.025163	-0.002069	-0.040511	-0.019812	-0.035007	-0.016194	-0.030526
168	0.065338	0.01116	-0.094556	-0.061073	0.028061	-0.018405	0.022079	-0.024328	-0.052186	0.082323	-0.00013	-0.015125	-0.033992	0.046104
169	0.033293	-0.003814	0.014946	-0.015848	0.001966	0.017603	0.015841	-0.004535	-0.011768	0.02781	0.026618	0.024789	-0.011485	0.003906
170	0.036546	0.028648	0.040844	0.001842	0.006589	0.007197	-0.00457	-0.005774	-0.028362	0.039414	0.037307	0.034625	0.00411	0.006054
171	0.001481	-0.002525	0.007629	-0.002508	-0.035681	-0.013005	-0.000928	0.002463	-0.036915	0.03082	0.021316	0.033102	0.015381	0.02302
172	-0.011351	-0.009604	0.001287	-0.000966	-0.016151	0.002599	0.042631	0.013378	0.013671	-0.021485	-0.005749	0.000533	0.005583	0.024176
173	0.00495	-0.005462	0.004026	-0.015836	0.003049	-0.027503	-0.017371	-0.015107	0.027679	0.008362	-0.006979	-0.000861	-0.007958	0.044111
174	0.024728	0.053263	0.002953	-0.007203	0.001052	0.022924	0.003381	-0.002559	0.059259	-0.001233	-0.03979	-0.041719	-0.039609	0.011527
175	0.015608	0.029864	0.010549	0.056429	-0.015208	-0.003892	0.0044	-0.012444	0.009105	-0.048955	-0.01309	-0.009193	0.023208	-0.010059
176	0.007795	-0.039559	-0.029528	0.008638	-0.03419	-0.013344	0.031862	0.030117	-0.005516	-0.023188	0.016914	0.012924	0.063111	-0.068136
177	0.000491	0.03588	0.07508	0.058434	0.033515	-0.001039	-0.054092	-0.017293	0.008845	-0.001217	0.016117	0.002886	0.017085	-0.002351
178	-0.014527	-0.011772	0.03335	0.045354	-0.011167	0.006547	0.02343	0.00956	-0.009963	-0.024216	-0.009132	-0.007229	-0.000835	-0.020653
179	-0.007407	0.022685	-0.000785	0.018765	0.024175	0.020427	0.022685	0.017042	-0.005903	0.005	-0.019878	-0.018022	-0.006308	0.001748
180	0.009985	0.011684	0.019523	0.017478	0.004017	0.016556	0.01394	-0.003055	-0.001256	0.01464	-0.009573	-0.021635	-0.00642	-0.027279
181	-0.023494	0.011613	0.030288	0.016506	-0.011189	0.015166	0.008465	0.00531	-0.024585	-0.013686	-0.007001	-0.012926	0.011299	-0.026697
182	-0.011022	0.022177	0.024813	0.018702	0.034983	0.019768	0.018504	-0.0105	-0.079475	-0.0058	0.025956	0.014124	0.008771	0.010556
183	-0.000532	0.017495	0.033536	0.023726	0.028199	-0.01153	-0.024572	-0.025599	-0.063017	0.019138	-0.001443	0.008775	0.014634	0.01676
184	0.005169	-0.023261	0.020678	-0.047704	0.000057	-0.009338	-0.023716	-0.013489	0.035629	0.019962	-0.002053	0.01423	-0.014316	-0.021347
185	0.008707	0.049023	0.066766	0.019334	0.049421	-0.028828	-0.035661	-0.030386	0.044378	0.036988	-0.016822	-0.020338	0.038685	-0.019489
186	0.002917	0.020628	0.00777	-0.044608	-0.03745	-0.005031	-0.009997	0.025025	-0.091809	0.029594	-0.011298	-0.008211	0.037641	-0.032063
187	0.033363	-0.011637	-0.023018	-0.011106	-0.004241	-0.008277	-0.000525	-0.023676	0.017503	0.013454	0.015773	0.004066	-0.026121	0.029049
188	0.021416	-0.026302	-0.010926	-0.012504	0.003588	-0.014522	-0.009484	-0.001561	0.015141	0.035967	0.008994	0.007379	0.013304	0.023027
189	0.003228	-0.028948	-0.022341	-0.035018	-0.025225	-0.031201	-0.025517	-0.010628	0.016921	-0.022095	0.00303	0.005319	0.034342	-0.017705
190	0.020702	-0.023074	-0.025993	0.019278	-0.006976	-0.033922	-0.039489	-0.014105	-0.021457	0.016043	-0.041279	-0.033288	-0.004557	-0.025789
191	0.012435	0.017589	0.008084	0.035561	0.007799	0.002736	-0.003517	-0.011418	-0.025921	0.016741	-0.009308	-0.011163	-0.036444	0.01019
192	-0.012561	-0.027059	0.007856	0.035817	0.027199	-0.006927	0.038607	0.011019	-0.043884	-0.012849	-0.046786	-0.035057	0.029355	0.002933
193	0.006814	-0.016566	-0.072465	0.019789	0.025436	0.042276	0.066888	-0.001277	0.034317	-0.037552	0.022653	0.025355	-0.052899	0.039452
194	-0.021908	-0.05194	-0.030581	-0.007834	0.036415	0.029666	0.020249	0.017269	0.005831	0.020724	0.009043	0.024362	-0.010554	0.00304
195	0.001687	0.041501	-0.091532	-0.095976	0.015619	-0.031294	-0.020336	-0.005149	0.015026	-0.042622	-0.028596	-0.025788	0.014983	0.000043
196	0.005625	0.040935	-0.007768	-0.067678	-0.015607	-0.007233	0.008511	0.020599	0.027954	-0.007999	-0.010044	-0.011815	0.007798	-0.046793
197	-0.008854	0.011633	0.027274	0.002358	0.009943	0.022908	0.026462	-0.023555	0.007326	0.023075	0.001482	0.006027	-0.06017	-0.032572
198	-0.061236	-0.00181	0.008836	-0.008163	-0.021911	-0.035895	-0.030072	-0.043188	0.06451	-0.052166	-0.012228	-0.000963	-0.056983	0.010862
199	0.010442	0.004065	-0.003366	-0.027146	-0.019502	-0.028206	-0.003247	-0.010674	-0.000454	-0.022008	-0.05956	-0.04757	-0.015643	0.012602
200	-0.017976	0.049683	-0.001737	-0.01778	-0.004936	0.005151	-0.024496	0.01125	-0.052211	-0.009012	-0.02017	-0.013936	-0.027655	0.057119
201	0.014922	0.024555	0.015443	-0.013111	0.01299	0.008567	0.01467	0.013632	0.002438	0.02175	-0.013961	-0.013599	-0.008414	0.044185
202	-0.046768	0.025057	0.017541	0.01223	-0.027305	-0.015076	0.015141	-0.004918	-0.021704	0.04427	-0.021075	-0.003208	0.020956	0.053369
203	-0.022324	0.021399	0.022114	-0.016311	-0.048723	-0.051587	-0.02055	-0.034381	-0.042238	-0.005964	0.016059	0.021801	-0.008253	-0.037496
204	0.005619	0.033906	-0.015244	0.006037	-0.045018	0.003964	0.000596	0.007825	0.02028	-0.086363	-0.035963	-0.038475	-0.005175	-0.037477
205	0.04582	0.036084	0.047024	0.026872	0.033301	0.016246	-0.002239	0.009613	0.006138	0.016502	0.015605	-0.007329	-0.026142	-0.004513

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
206	-0.05878	-0.048785	-0.005664	-0.024318	0.001018	0.024208	0.016367	0.019663	-0.050125	0.024461	0.03596	0.034836	0.007139	-0.015215
207	-0.009287	0.001896	-0.007257	0.003677	-0.005388	-0.001637	0.004558	0.010644	-0.014296	0.015871	-0.003788	0.00135	-0.0427	-0.020393
208	0.018062	-0.043207	0.007043	0.017203	-0.011686	0.04066	0.048104	0.013388	0.018384	-0.019867	0.002644	0.008953	-0.013873	-0.014296
209	-0.027463	-0.03982	0.008907	0.006863	0.045154	0.02848	-0.00445	-0.025077	0.022759	0.00714	0.018245	0.01099	0.010527	-0.00891
210	0.001861	0.01006	0.058821	0.013523	-0.014232	-0.024997	-0.000894	-0.00811	0.008667	0.014315	-0.000332	0.001565	-0.009402	-0.048028
211	-0.002394	0.013546	0.012624	-0.012886	-0.036424	0.004737	0.01357	0.033234	-0.040649	-0.041351	-0.010645	0.008948	-0.014164	0.013438
212	-0.02573	-0.051098	-0.023011	-0.03777	0.011494	-0.024995	-0.026725	0.024551	0.013601	-0.003406	0.009938	0.009447	0.033609	0.003162
213	0.034629	-0.031202	-0.003858	0.029334	0.010518	0.006729	-0.009523	-0.01814	-0.032806	-0.029788	0.010271	0.002323	-0.019193	0.017671
214	-0.006551	0.027184	0.0027	-0.024963	-0.00753	0.023254	0.01743	0.023812	-0.025262	0.011297	-0.00246	-0.004811	0.008133	0.000102
215	0.005863	0.001175	-0.035326	-0.012828	-0.037299	0.005648	-0.011981	0.017535	0.040609	-0.035302	-0.003356	-0.008488	-0.04333	0.071665
216	-0.028877	-0.036283	-0.003856	0.006689	-0.023179	-0.003335	0.013149	-0.005522	-0.024886	0.05699	0.074558	0.080731	-0.035431	-0.035163
217	-0.007104	0.006465	-0.021166	-0.019474	0.008569	0.037634	0.017059	0.035077	0.066941	0.042102	0.020985	0.016102	0.065853	0.018365
218	0.0088	0.047462	0.034341	0.000187	-0.04034	-0.007946	0.022547	-0.010583	-0.011335	-0.024149	0.01054	0.008745	0.019919	-0.01901
219	0.015458	0.023372	0.046251	-0.007604	-0.005555	-0.002094	0.004281	0.006456	0.032114	0.001575	0.03823	0.030076	0.012197	-0.006538
220	-0.019243	-0.003219	-0.044257	-0.005294	-0.007494	0.032101	0.01783	0.000387	0.051287	0.022308	0.0139	0.015151	-0.01185	0.01498
221	0.00072	0.019465	0.037131	0.015479	-0.008912	-0.000571	0.01944	0.024077	0.01738	-0.021037	0.0026	0.01099	0.030855	-0.014492
222	-0.024456	-0.107154	-0.027927	0.021541	0.035039	-0.029096	-0.02926	0.013034	-0.015535	0.022371	-0.014197	-0.001087	0.029474	-0.001973
223	-0.011217	-0.056833	-0.092023	-0.048269	0.023066	-0.005261	-0.015741	-0.001763	0.002002	-0.002401	0.000877	0.007828	-0.01448	-0.009423
224	-0.012539	-0.006368	0.011659	-0.027983	-0.004665	-0.000874	0.006566	-0.013226	0.013051	0.055018	0.007245	-0.007566	-0.002035	-0.00694
225	-0.014177	-0.012321	0.014259	-0.021956	0.005721	-0.004501	-0.000198	0.002807	0.018922	0.048708	0.007414	0.001473	0.009768	0.009824
226	0.005458	0.007807	0.025808	0.027387	-0.078584	-0.11967	-0.106859	-0.089772	-0.02062	-0.026575	-0.033409	-0.02258	-0.001327	0.027276
227	0.018674	-0.011777	0.003707	0.014121	0.027456	-0.022637	-0.045541	-0.115704	0.001523	0.058455	0.012783	0.006826	-0.108115	0.074392
228	-0.034507	0.001195	-0.02014	-0.005313	0.028206	-0.005158	0.005189	-0.019313	0.006295	-0.082512	-0.032292	-0.041178	-0.019441	-0.022573
229	0.015894	-0.000377	0.034195	-0.016006	-0.049227	0.047862	0.015083	0.053456	-0.06582	-0.167473	-0.047996	-0.06371	-0.00286	-0.052212
230	-0.028402	0.02607	0.020673	-0.002446	0.032032	0.016028	0.011636	0.005278	-0.010095	-0.007205	-0.069107	-0.070185	-0.140297	-0.000809
231	-0.017468	-0.041009	0.005971	-0.004161	-0.062523	-0.018785	-0.03913	-0.020468	-0.003208	-0.063586	0.031959	0.043861	0.016169	-0.040574
232	-0.034084	0.026882	0.008907	0.014559	0.019729	0.020778	-0.021014	0.026577	0.017527	0.030265	0.003393	0.005064	0.019172	-0.027834
233	0.042799	0.012431	0.008317	0.051628	-0.003328	0.00347	0.035464	0.019018	0.032141	0.014057	0.001874	0.018665	0.04531	0.053068
234	0.008567	0.042411	0.042268	-0.008451	-0.045524	-0.050646	-0.021903	-0.026193	0.097571	0.045364	0.003129	0.006616	0.00606	-0.023292
235	-0.025828	0.000441	-0.005206	-0.004188	0.051778	-0.001471	-0.021784	-0.000886	0.004268	0.074614	0.022074	-0.000318	0.026327	-0.005219
236	-0.015174	0.035285	0.020759	-0.001658	0.058353	0.031022	0.016053	0.020847	0.009475	0.031682	0.01383	0.015968	-0.034305	-0.16702
237	-0.009542	0.02843	0.005043	-0.021671	0.065308	0.059066	0.046668	0.057712	-0.037744	0.014609	0.029579	0.02536	0.026153	0.008781
238	-0.012605	0.014955	0.023309	-0.000525	0.030655	0.047576	0.022708	0.060663	0.028342	-0.018093	0.037441	0.037839	-0.004274	0.007517
239	-0.006117	-0.012625	-0.017771	0.015764	0.020176	0.009083	0.025395	0.031095	0.039825	-0.022547	0.029918	0.034372	0.001497	0.010817
240	0.0315	-0.036759	-0.018418	0.030181	-0.02696	-0.0098	0.024531	0.008857	0.021882	-0.038813	-0.014216	-0.010182	0.017206	0.023587
241	0.053503	0.016181	0.025386	0.025372	0.002338	-0.001197	-0.018232	0.004752	-0.031593	-0.027654	0.007999	-0.005907	0.008147	-0.000092
242	-0.035165	0.017419	0.005788	0.040736	0.023784	-0.003208	-0.002023	-0.009898	-0.063063	0.077509	0.020865	0.02004	0.02533	-0.018745
243	-0.014998	0.001611	0.007787	0.014543	0.027309	0.007252	-0.004859	0.006244	0.004569	0.023415	-0.003068	-0.002323	-0.00333	0.015019
244	0.015398	-0.023448	-0.018089	0.001086	0.020217	0.02501	0.025547	0.014088	-0.01289	-0.002771	0.000106	0.001735	-0.01482	0.008858
245	-0.015989	-0.026625	-0.0062	-0.028258	-0.025092	0.046153	0.04995	0.033654	-0.03425	-0.000884	0.041411	0.046059	0.016564	-0.001389
246	0.035151	0.00042	-0.029008	0.006479	-0.026975	0.034251	0.055406	0.014023	-0.006605	-0.024309	0.028832	0.024093	-0.000054	0.03679

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
247	0.0336	0.01061	-0.007813	-0.015562	0.007987	0.00678	0.010656	0.033666	-0.021841	-0.02243	-0.017137	-0.014735	-0.021479	-0.021214
248	-0.036401	-0.002479	0.015871	-0.004851	0.033799	0.004226	-0.015162	-0.014447	0.01118	-0.020108	-0.027452	-0.022887	-0.057396	-0.032146
249	-0.036364	-0.087328	0.029847	0.045071	0.017743	-0.011591	-0.029546	0.009635	0.027647	0.031695	-0.016013	-0.013356	0.021993	-0.021344
250	0.047375	0.000081	0.003357	-0.003545	-0.011775	0.016638	0.006451	-0.008767	-0.018016	-0.015253	0.012588	0.000425	-0.007434	-0.00112
251	0.005264	-0.006343	0.015965	0.026596	0.04394	0.028626	0.018449	-0.005772	-0.009394	-0.047565	-0.029305	-0.036435	-0.045395	0.019948
252	-0.054311	0.023832	0.005391	-0.003786	0.013619	0.004517	-0.006279	-0.004574	-0.013203	0.014814	-0.004244	-0.00207	0.000085	-0.004303
253	-0.051369	-0.028405	-0.05084	-0.015118	-0.110147	0.007462	0.017222	-0.023795	-0.075503	-0.080365	0.034513	0.036541	0.000458	-0.033724
254	-0.008194	-0.056622	-0.130368	-0.070016	0.013158	0.029912	0.028327	0.007356	0.000824	0.021892	0.014153	0.02524	-0.001656	0.008273
255	0.015023	-0.028034	-0.056286	-0.026845	0.016724	0.033515	0.04293	-0.003523	-0.016019	-0.06302	0.007405	0.001116	-0.033656	0.028458
256	0.000286	0.024443	-0.007471	-0.111448	-0.021054	0.032515	0.016849	0.041029	0.035689	0.012647	0.040801	0.023736	0.03469	-0.00435
257	-0.016446	0.020594	0.021965	0.048914	0.012818	-0.012809	0.007566	-0.002898	0.050192	0.042075	-0.014073	-0.005799	0.019216	0.000174
258	-0.004398	-0.007344	-0.038028	0.028098	0.003019	-0.011993	0.028997	0.002028	0.026966	-0.030099	-0.021421	-0.008697	0.009983	-0.031529
259	-0.024049	-0.102041	-0.035356	0.026498	0.030089	-0.000983	0.008031	0.009088	-0.008402	0.003828	-0.015151	-0.00836	0.003874	-0.003775
260	-0.028118	-0.043276	-0.082658	-0.044006	-0.032122	0.010492	0.016845	0.012597	0.028308	0.01823	0.017412	0.025114	0.023228	0.021954
261	-0.063192	0.008886	-0.052659	-0.104184	0.010388	0.036039	0.040797	0.010197	0.04044	0.014139	0.008704	0.011218	-0.022608	-0.006959
262	-0.133703	0.03933	-0.017755	-0.03949	-0.005364	0.015987	0.018847	0.024815	-0.012699	0.037862	0.015433	0.026876	0.001481	-0.054456
263	0.801765	-0.011276	0.001185	-0.016436	-0.000995	0.008711	0.030829	0.009419	-0.026313	0.007835	0.015741	0.026	-0.007284	-0.049954
264	0.017456	0.712691	-0.132132	0.028396	0.001317	0.00173	0.005487	0.0175	-0.026253	-0.041178	0.012274	0.019313	-0.000005	0.021334
265	0.041806	-0.1576	0.688564	-0.13802	-0.019291	0.000782	0.024748	0.010086	0.005778	-0.029051	0.014838	0.019138	0.027784	0.052728
266	-0.013322	0.014564	-0.159762	0.699019	0.027083	0.008061	-0.001333	0.013934	-0.032372	0.044535	0.041274	0.032301	0.02937	-0.004354
267	0.002847	0.016537	0.000994	0.036362	0.579947	-0.074683	-0.042692	-0.011223	-0.10012	-0.102898	0.05355	0.062114	0.059825	-0.03838
268	-0.01299	0.003202	0.013949	0.030024	-0.098981	0.850225	-0.115659	-0.077637	-0.029662	-0.006212	-0.030997	-0.014234	0.034636	0.011697
269	-0.007421	0.019615	0.056322	0.017677	-0.033524	-0.107932	0.830811	-0.09607	-0.041739	0.033461	-0.00086	-0.004449	0.006297	0.016981
270	-0.008399	0.001985	0.012943	0.025827	-0.023328	-0.080718	-0.092768	0.815761	-0.044946	0.033256	-0.022932	-0.030369	-0.09094	0.049298
271	-0.017575	-0.033368	-0.021955	-0.029493	-0.049501	-0.007103	-0.019723	-0.029547	0.331594	-0.118031	0.007624	-0.006916	-0.017464	-0.005956
272	0.003257	-0.04321	-0.001438	0.042921	-0.148164	0.008961	0.014875	0.03982	-0.054089	0.607606	-0.105856	-0.10036	-0.037258	-0.082433
273	0.000245	0.01244	0.009566	0.036917	0.034417	-0.036752	-0.018334	-0.02084	0.028038	-0.100784	0.801288	-0.182851	-0.083506	-0.014547
274	0.009881	0.026516	0.014213	0.019885	0.050518	-0.023494	-0.018529	-0.025315	0.020633	-0.088797	-0.186599	0.808734	-0.084024	-0.007316
275	-0.016792	-0.015784	0.0159	0.01079	0.060224	0.052025	0.011473	-0.06917	-0.009877	-0.013072	-0.079368	-0.083334	0.668067	0.012859
276	-0.044819	0.031952	0.056771	0.006656	-0.010752	0.012369	0.010543	0.041177	0.017132	-0.039245	-0.002842	0.006705	0.010057	0.727436
277	0.003225	0.017861	0.011425	0.001008	0.023958	0.022014	0.017686	0.022026	0.018092	0.032171	0.016432	0.01218	0.034949	-0.050698
278	0.015425	0.041021	0.021906	-0.01467	0.042724	0.046164	0.03275	0.008214	0.003579	0.023234	0.033777	0.021682	0.013045	-0.006731
279	-0.004295	-0.017184	0.002521	-0.013719	0.031265	0.023481	0.007102	-0.001021	0.031123	0.016121	0.047446	0.040578	-0.030992	0.004895
280	-0.055672	-0.024746	-0.009537	-0.012478	-0.008759	-0.018572	0.018357	0.017944	-0.039775	-0.015836	-0.016015	-0.001203	0.025473	-0.023487
281	-0.003645	-0.048477	-0.005212	0.012757	-0.045295	0.006188	0.023031	0.003346	-0.005938	-0.033902	0.021489	0.023675	0.005157	-0.002399
282	0.008852	-0.012506	0.012529	0.0099	-0.0079	0.00393	-0.025659	-0.008637	-0.036165	-0.010594	0.014611	0.019242	-0.013025	0.0152
283	0.01127	0.029332	0.012214	-0.047126	-0.00634	0.023303	0.005903	-0.013993	-0.006786	-0.040868	-0.01904	-0.031434	-0.065071	-0.022127
284	0.004105	-0.013568	0.03474	0.055439	0.016218	0.004936	0.00615	-0.018616	0.039007	0.03023	-0.019661	-0.019577	-0.020656	-0.020337
285	0.01666	0.001636	0.030017	-0.04942	0.013675	-0.004587	-0.009963	-0.051126	0.031735	0.016294	-0.035469	-0.050631	-0.019596	-0.009524
286	-0.021275	-0.032637	0.002673	0.043152	0.019169	0.013244	0.017589	-0.004375	0.010065	0.002219	0.009265	0.016123	0.004836	-0.000554
287	-0.017262	-0.001341	0.028841	0.015472	0.022573	0.007444	0.002024	-0.030745	0.031839	0.022795	0.008393	0.004772	-0.021539	0.014437

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
288	-0.020436	0.024058	-0.00265	-0.064451	0.052726	0.020625	0.005964	-0.031116	0.018928	0.0214	0.017606	0.002506	-0.045827	-0.028712
289	-0.047401	0.043255	-0.045237	-0.079093	0.012475	-0.001903	-0.00213	-0.029847	-0.035975	0.050317	0.009421	0.000692	-0.029373	-0.032355
290	-0.001638	0.03693	0.021929	-0.012929	0.003268	-0.000729	-0.003871	-0.000557	0.0107	0.034771	0.010233	0.015533	-0.009055	0.012058
291	-0.010243	0.026541	0.027062	-0.011825	0.000875	0.006558	0.00314	0.005299	-0.006337	0.030566	0.016744	0.020901	-0.008349	0.013873
292	0.026409	-0.000895	0.011838	-0.002069	0.008656	0.016496	-0.012783	-0.011161	0.002857	0.014156	0.027492	0.016739	-0.033053	0.010692
293	0.013295	0.01496	-0.009451	-0.018109	-0.004855	-0.013593	0.01688	0.018518	0.024532	-0.018615	-0.000256	0.016398	-0.002911	-0.026983
294	0.034197	-0.012109	-0.015301	-0.041781	0.000449	-0.016387	-0.0223	-0.040285	-0.021378	0.03133	-0.007768	-0.01605	-0.036113	0.019337
295	-0.024147	0.03592	0.003792	-0.014804	0.007159	0.011038	0.047622	0.010577	-0.008813	-0.016315	-0.078865	-0.084665	-0.004113	0.008709
296	-0.041654	-0.019714	-0.026919	-0.014228	-0.040009	-0.005209	-0.012213	-0.055324	-0.020533	-0.034979	-0.060185	-0.072533	-0.097772	0.019793
297	-0.029834	0.005623	0.019973	-0.004316	0.002855	0.01426	0.023859	-0.002266	0.026187	0.007711	-0.047587	-0.052194	0.028234	-0.040365
298	-0.019452	-0.026807	0.001767	0.013572	0.002262	0.015432	-0.000027	0.024574	-0.030312	-0.048957	0.003842	0.016654	0.024719	0.008757
299	0.010962	0.025337	-0.018951	-0.029397	-0.00346	-0.016633	-0.006672	0.020911	-0.024101	-0.006497	-0.008756	0.003796	0.030461	0.003656
300	-0.022343	-0.016442	-0.025278	-0.032349	0.027125	0.013335	0.016495	-0.020985	0.01589	0.021978	-0.00282	0.000719	-0.004915	-0.024393
301	-0.025801	0.02508	0.032424	0.012556	0.020118	0.007171	0.016151	0.003073	0.045958	0.014664	0.004812	0.008916	0.011478	-0.023363
302	-0.028403	-0.00637	0.002114	0.022164	0.020221	-0.007702	0.006188	-0.038288	0.003573	0.031498	0.016724	0.014443	-0.024113	0.02874
303	0.071366	0.027885	0.005728	-0.008725	-0.026639	-0.008456	-0.025847	0.022666	0.031941	-0.01422	0.038506	0.036069	0.051619	0.014333
304	0.008967	0.03673	0.014405	0.000311	-0.037116	0.0049	0.027006	-0.02382	0.012822	-0.005812	0.003829	0.002485	-0.013194	0.013141
305	-0.016588	-0.025957	-0.010355	-0.044246	-0.003054	-0.012986	-0.015738	0.002345	-0.004929	-0.085654	0.046577	0.040341	-0.020175	-0.029341
306	-0.002973	-0.047103	0.020579	0.080996	-0.019227	-0.003481	0.02082	0.016221	0.002003	-0.055908	0.002777	0.00732	-0.036161	0.01267
307	-0.036191	-0.02541	0.019102	0.017969	-0.023366	-0.015635	-0.012968	-0.013336	-0.032861	-0.024299	-0.01195	-0.020714	-0.027553	-0.038301
308	-0.045333	0.005084	0.04607	0.028971	-0.03194	-0.013335	-0.011492	-0.006104	0.003702	-0.052654	-0.008945	-0.006242	-0.018036	-0.006557
309	-0.037841	-0.001377	0.014708	0.011787	-0.010977	-0.008924	-0.025535	-0.019439	-0.008216	-0.005721	0.016661	0.019794	-0.023765	0.022069
310	-0.02082	-0.010047	-0.046574	-0.024612	0.027845	0.002527	0.000572	-0.001201	-0.03356	0.024048	0.017881	0.004384	-0.006119	0.078564
311	-0.019578	-0.007687	-0.018852	-0.022786	0.043555	-0.052371	-0.051135	-0.024936	0.010514	0.061027	-0.039208	-0.021698	-0.007001	0.011196
312	0.036605	0.001094	-0.014113	0.006306	0.018273	0.000158	-0.024838	-0.005721	0.003702	-0.042045	-0.033992	-0.038026	-0.001173	0.019787
313	-0.03929	-0.051106	-0.007603	0.001887	0.015621	-0.009344	-0.012075	-0.008369	0.07985	-0.014478	-0.006839	0.013647	-0.027411	-0.017855
314	-0.016994	-0.024304	-0.006936	-0.048873	-0.004204	-0.004146	-0.011997	0.015091	-0.051406	0.036883	0.023497	0.011948	0.02724	-0.016884
315	0.00066	0.027767	-0.020878	-0.062559	-0.011458	-0.007551	-0.031108	0.001617	-0.020397	0.016946	0.04589	0.029465	0.038612	0.00192
316	-0.02795	-0.026776	-0.000726	0.042618	-0.05268	0.014692	0.015122	0.003539	0.056071	-0.012048	0.027148	0.026672	-0.031219	-0.013445
317	-0.04577	0.00567	-0.018816	-0.007841	-0.008449	0.018702	0.011499	-0.014066	-0.028968	0.024384	0.039646	0.032693	-0.009159	0.036485
318	-0.015561	-0.012361	0.027996	0.021815	0.068346	0.00488	0.008851	0.02031	-0.035733	-0.00999	-0.034709	-0.032971	-0.00167	0.005441
319	-0.009349	0.018443	-0.009235	-0.026261	-0.031475	-0.006526	-0.000815	0.000845	0.011705	-0.0015	0.019024	0.014638	0.054355	0.004911
320	0.017376	-0.006639	-0.034093	-0.009218	0.023804	0.00408	0.015364	0.026362	0.004214	-0.026733	-0.04122	-0.030151	-0.015036	0.033991
321	0.008358	0.020949	0.025836	0.021756	0.030341	-0.002188	-0.007413	0.005862	0.087301	0.042922	-0.020329	-0.015242	-0.033633	-0.019588
322	-0.002916	0.051807	0.021451	0.004403	0.046864	0.001671	0.017607	0.003983	0.027794	0.012932	-0.01758	-0.030829	-0.003426	-0.004804
323	0.002605	-0.007351	-0.005519	-0.008932	-0.028935	-0.022378	-0.019014	-0.013661	0.02919	0.033672	-0.017834	-0.015814	0.01596	0.033832
324	-0.00326	-0.028816	-0.030309	0.010201	0.015208	-0.004495	-0.010505	-0.025922	-0.08307	-0.003509	-0.009557	-0.010131	-0.049123	0.013967
325	-0.007095	0.019135	0.0073	-0.005215	0.043159	0.000501	-0.033266	-0.015301	0.049927	0.024966	0.000493	0.008536	-0.022442	-0.01034
326	-0.00086	0.02685	0.016096	-0.006417	-0.029488	-0.011792	0.027007	-0.001178	-0.077378	0.03235	0.015636	0.012772	0.017637	-0.025941
327	-0.01255	0.009369	0.006397	0.01689	-0.010649	-0.00093	-0.008339	-0.008448	-0.025766	-0.030131	-0.027575	-0.040747	-0.002881	0.007586
328	-0.011375	0.002438	0.017333	0.027096	-0.014906	0.020151	0.01893	-0.011788	-0.030203	0.006425	-0.018755	-0.018721	-0.009581	0.03235

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
329	0.009364	-0.018034	-0.040709	0.007596	0.021645	0.006329	0.012828	-0.010539	0.030043	-0.02904	-0.005042	-0.006857	0.022499	-0.020232
330	-0.006125	-0.030264	0.01635	0.028355	-0.031779	0.002155	-0.022185	0.008203	-0.033544	-0.004569	0.025829	0.026677	-0.020115	-0.033241
331	0.0273	-0.001981	-0.018332	-0.065736	0.029145	-0.016706	-0.030407	-0.000462	-0.021953	-0.007932	0.029876	0.011408	0.03307	-0.002167
332	-0.009218	0.002026	-0.026173	-0.032308	0.002954	-0.020518	-0.022882	-0.004206	-0.03691	0.011242	-0.021455	-0.01392	0.032137	0.00011
333	0.026527	0.011562	0.022161	0.008889	0.06422	-0.007106	-0.026489	-0.048358	0.0366	0.027313	0.006393	0.000089	-0.006953	-0.001493
334	0.028373	0.068064	0.044557	0.000429	-0.026094	-0.035771	-0.004546	0.026398	-0.047345	-0.052847	-0.000571	0.021231	0.028849	-0.02008
335	0.010419	0.002078	0.008618	-0.045855	0.041421	0.025522	-0.009924	-0.020418	0.020768	-0.017212	0.026646	0.013908	-0.016814	0.006609
336	-0.015891	0.027013	0.006662	0.020811	-0.04861	0.029882	0.034375	0.023393	-0.037795	0.006419	0.016665	0.020806	-0.018238	-0.01762
337	0.048579	0.005864	-0.024888	0.009184	0.009267	-0.007059	-0.010527	-0.004626	-0.000562	-0.040879	-0.013599	-0.015523	0.011791	0.020234
338	-0.003168	0.029202	0.037618	-0.005488	-0.013394	-0.004325	-0.025202	0.020516	-0.019359	-0.016286	-0.008607	-0.005229	-0.015639	-0.046666
339	-0.005726	-0.014605	-0.016807	0.088464	-0.02958	-0.004776	0.044432	0.028124	0.066881	0.010202	0.023075	0.02782	0.022958	0.013695
340	0.016656	0.017202	0.015487	0.003922	0.008653	0.001602	0.011407	0.013596	0.115491	0.004127	-0.008795	-0.009654	-0.003265	0.031098

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
1	0.008217	0.046737	0.104594	0.051278	0.007929	0.033325	0.030384	0.003276	0.010876	-0.073134	-0.025948	0.025393	0.025035	0.012964
2	-0.047244	-0.081567	0.001546	-0.000428	-0.046525	-0.052984	0.028589	0.027806	0.011475	0.034572	0.017357	0.048581	0.042	0.056819
3	0.040783	0.016698	-0.091795	0.012069	0.092894	0.047614	0.066444	-0.032025	-0.027734	0.015118	0.01895	0.021431	0.005535	0.0341
4	0.000543	0.028802	0.028222	-0.069501	0.008938	0.026714	-0.008374	0.061095	-0.001347	0.005699	-0.000585	-0.053601	-0.006851	-0.014288
5	0.043312	0.032485	0.007881	0.021799	0.010867	-0.004539	0.00816	0.015554	-0.004578	-0.014083	0.005759	-0.009769	-0.005251	-0.045171
6	0.040117	0.019767	-0.001704	-0.10356	-0.046573	-0.068433	-0.029113	-0.045762	-0.01229	-0.04399	-0.040177	-0.038533	-0.003314	-0.008824
7	0.062701	0.061347	-0.018438	-0.014129	0.063063	0.010969	-0.110033	0.049559	0.055711	0.048964	0.043808	0.042018	-0.032145	0.005301
8	-0.004332	-0.060212	-0.015711	0.005634	-0.0085	-0.028341	-0.039451	-0.017036	-0.043998	0.033381	-0.013139	-0.058611	-0.031987	0.019228
9	0.031108	0.044948	-0.036684	0.123833	0.037727	0.014894	0.042183	-0.023081	-0.033624	-0.023155	-0.000663	0.010409	0.037096	-0.015006
10	0.024217	-0.00926	0.002102	0.043706	0.059467	0.07406	-0.051509	-0.023392	-0.0322	0.029381	0.039993	0.032978	-0.009088	0.020735
11	-0.016608	-0.03119	0.047301	0.060395	-0.030223	-0.027388	-0.002839	0.027515	0.009633	0.018908	0.018257	-0.012167	-0.002441	-0.05487
12	-0.014628	-0.045713	-0.043896	0.030438	-0.014404	0.002257	0.051157	-0.044916	-0.023718	0.011259	-0.005921	0.054789	-0.005678	0.002029
13	-0.014975	-0.025169	-0.013715	-0.096724	0.046973	0.03697	0.044608	0.046016	0.079777	0.033124	0.057367	0.035459	-0.042054	-0.025095
14	0.022431	-0.004092	-0.008406	0.021837	-0.016361	-0.068355	-0.047717	-0.002895	0.047102	-0.056564	-0.082313	0.012068	0.018755	0.031005
15	-0.046837	-0.033088	0.007588	-0.085097	0.023792	0.045273	0.072424	0.078211	0.10861	0.090925	0.081596	0.007563	0.024928	0.031405
16	-0.00717	-0.040348	0.006933	-0.018362	0.035983	0.029011	0.012769	-0.011053	-0.027677	0.00939	-0.001698	0.007372	-0.018353	0.006444
17	0.00161	0.007902	0.061542	-0.012196	-0.013444	-0.013188	-0.016306	-0.005639	0.007948	0.013861	-0.003572	0.022442	-0.04944	0.012675
18	-0.021121	0.028213	0.016022	0.068296	-0.016383	0.057234	0.004791	0.025534	0.038288	0.076619	0.071082	0.009194	-0.005878	0.019383
19	-0.014529	0.037534	0.037867	0.031312	-0.010442	0.062146	0.045222	0.03197	0.039741	-0.008547	0.011013	-0.015979	0.015367	0.00905
20	0.01633	-0.050743	-0.018265	0.07143	0.051195	0.014765	0.032152	0.102364	0.063414	0.073655	0.067388	0.093826	0.090867	0.01623
21	-0.033247	-0.020127	-0.056992	0.026072	-0.025969	-0.02568	-0.025886	0.028413	0.031459	-0.00411	0.014951	-0.047871	-0.001571	-0.075432
22	0.018147	0.004695	0.021422	0.072453	0.036084	-0.021357	0.063996	-0.013298	-0.020035	0.004818	0.032708	-0.02139	-0.014245	-0.022052
23	-0.055398	-0.034747	-0.061981	0.054129	0.031443	0.011956	-0.03033	-0.017077	-0.03472	-0.03002	-0.023294	-0.026778	-0.024635	-0.016955
24	0.046111	0.052417	-0.010509	-0.03262	-0.051374	-0.02948	0.015803	-0.072203	-0.041576	-0.060497	-0.057271	-0.08272	-0.004881	0.032601
25	-0.032473	-0.001946	-0.002048	0.005913	-0.024641	0.041678	0.028972	-0.00117	0.022545	-0.008637	0.031011	0.0967	0.04016	0.004011
26	0.107013	0.083495	0.035226	-0.00868	0.007887	-0.012774	0.080604	-0.038972	-0.070352	-0.073625	-0.110448	0.026945	0.077954	-0.066732
27	0.096853	0.031221	0.017513	0.071353	-0.007167	-0.038157	-0.063665	-0.003784	0.051065	0.046616	0.055959	-0.012966	0.007491	-0.03878
28	-0.049274	-0.016188	0.013888	-0.00015	-0.106028	-0.072087	0.061396	0.007522	0.016108	0.032611	0.067823	0.118953	0.005397	0.048923
29	0.057921	0.052985	0.005906	-0.001846	0.016728	-0.023144	-0.01138	-0.010874	0.001772	-0.052714	-0.024788	-0.036802	-0.046841	-0.025846
30	0.081764	0.160588	0.115757	0.047424	-0.043278	0.048762	0.03975	-0.112355	-0.045227	-0.019302	0.037333	0.003854	-0.010217	0.114845
31	0.029505	0.05479	0.057367	-0.036218	-0.000255	-0.029765	0.003999	-0.032845	-0.045708	-0.076201	-0.074558	-0.029231	-0.016926	0.0316
32	0.021425	-0.007255	0.001735	0.020354	-0.008277	-0.055204	-0.066579	-0.030737	-0.031441	0.017502	-0.011705	0.011293	-0.0375	-0.075234
33	-0.086608	-0.054433	0.003423	-0.058238	0.03744	0.006712	0.027311	-0.088252	-0.118332	-0.026692	0.004562	0.049851	-0.020603	0.067403
34	0.070002	0.004537	-0.081794	0.078	0.018822	0.025663	-0.046244	-0.002592	0.014239	0.017413	-0.026069	-0.05604	0.007503	0.056962
35	0.00966	0.022923	0.027588	-0.069405	0.034412	0.004618	0.013362	0.000349	0.022704	-0.021455	-0.039543	-0.022067	0.035702	-0.022335
36	-0.051472	-0.009862	-0.0285	-0.100794	-0.091617	-0.017874	0.019566	0.028045	0.041801	-0.057133	-0.032048	-0.017937	0.014783	0.01781
37	-0.041366	-0.033407	-0.079033	0.008475	0.131677	0.11621	0.003086	-0.007915	-0.017821	0.018391	-0.018752	-0.105918	-0.039604	-0.008913
38	-0.047146	-0.010957	-0.026838	-0.075305	-0.063973	0.034552	0.029358	-0.000613	0.060727	-0.03468	0.001187	-0.000968	0.019656	0.028865
39	0.026994	-0.017412	0.027912	0.041694	-0.010207	-0.009126	-0.019184	-0.010305	0.01019	-0.046641	-0.039194	-0.023446	-0.009792	-0.027242
40	-0.004291	0.018631	0.032867	-0.109575	-0.01515	-0.051077	-0.015129	-0.015503	-0.048153	-0.076635	-0.069425	0.018277	-0.004973	0.023719
41	0.040397	0.028887	0.101046	-0.096689	-0.0233	-0.091372	-0.063285	-0.008135	-0.017321	-0.064338	-0.076435	-0.092878	-0.0359	-0.027295

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
42	-0.009898	0.02313	0.019592	0.075618	0.013566	0.060862	0.052723	0.025076	0.09837	0.075106	0.096043	-0.034926	-0.004782	-0.087715
43	0.028354	0.05204	0.042196	-0.02273	-0.018823	0.005093	0.047705	0.000518	-0.020615	0.0427	0.013791	0.129732	-0.007249	-0.00303
44	-0.024188	-0.068906	0.018261	0.016721	0.059327	0.011367	0.046023	0.007282	-0.021914	0.005049	-0.008449	-0.025645	0.013204	0.009613
45	-0.039314	-0.052617	-0.041745	0.057849	-0.013632	0.003383	-0.044807	0.017768	-0.012488	0.040203	0.036447	0.079304	0.024244	0.021032
46	0.025239	-0.04562	-0.035485	0.097581	0.07543	0.026098	-0.037762	0.031823	0.020992	0.047731	-0.008528	0.024423	0.027451	0.008489
47	0.001945	0.044507	0.026428	0.021494	-0.062564	-0.025677	0.012717	-0.01843	-0.015125	-0.04442	-0.003113	-0.069343	-0.009866	-0.011521
48	-0.02279	-0.001268	-0.045551	-0.039675	-0.031078	-0.065517	-0.101357	0.000093	-0.020066	-0.011923	0.000138	0.040706	0.041218	0.047182
49	-0.027697	0.009203	-0.053026	-0.047299	0.045861	-0.003765	-0.012278	0.070888	0.10689	0.018928	0.037708	0.020412	-0.023484	-0.007287
50	-0.052986	-0.05565	-0.035892	0.013141	0.004361	0.054766	-0.043231	-0.079274	-0.053949	0.006059	0.034141	-0.065738	-0.073872	0.002865
51	0.043171	0.057066	-0.090421	-0.001745	0.109018	0.104008	0.110323	0.049921	0.036033	0.050513	0.049518	0.141836	-0.035048	-0.01124
52	-0.04081	-0.043803	0.064626	-0.044841	0.042997	0.040071	0.100237	0.054293	0.053188	0.012534	-0.0366	0.03599	0.015747	0.034181
53	0.042468	0.043117	-0.127593	0.070852	-0.018295	-0.049925	-0.144882	-0.019507	-0.056514	0.049939	0.001265	-0.070641	-0.015266	-0.03872
54	-0.012304	0.024238	0.045471	-0.032526	0.03041	0.000476	0.061409	-0.004768	-0.025361	0.042662	0.031276	-0.012513	-0.074702	-0.023553
55	-0.034137	-0.041736	-0.021319	-0.038078	-0.031403	-0.019499	0.013725	-0.003506	-0.006374	-0.021732	0.015333	0.050742	-0.052194	0.075316
56	-0.06623	-0.068219	-0.014226	-0.017298	0.044311	-0.027009	0.02217	0.022002	-0.028087	-0.042053	0.003148	-0.039591	0.03226	0.012001
57	0.085615	-0.006901	-0.015583	-0.035901	0.110119	0.003988	-0.080873	0.057019	0.002423	0.01945	-0.072017	-0.106257	-0.047941	-0.042632
58	0.048749	0.048539	0.062825	0.077694	-0.015094	-0.046755	0.026799	0.039737	-0.00721	0.043552	-0.005957	-0.016778	-0.000085	-0.048033
59	-0.041406	-0.041752	-0.024995	-0.049199	-0.019898	0.017193	-0.023333	-0.03157	-0.014674	-0.030625	-0.04631	0.017723	0.001054	0.013709
60	-0.087956	-0.059457	0.091647	-0.057894	-0.050028	-0.081314	0.061814	0.062545	0.078734	0.07096	0.12031	0.024506	-0.06583	0.003075
61	0.03221	0.014873	-0.017358	0.057365	-0.099124	-0.040645	-0.047145	0.035704	0.047376	0.027299	0.044213	0.021849	0.013585	-0.059556
62	0.061804	0.052686	0.04011	-0.005189	-0.044483	0.042505	-0.03941	-0.034385	0.013512	-0.01971	-0.010676	-0.010291	0.063913	0.013805
63	0.001156	-0.009761	-0.104202	-0.006561	-0.005906	-0.020215	-0.022322	0.028071	0.005518	-0.01543	-0.042493	-0.083969	0.033603	-0.023954
64	0.026162	0.001084	-0.011612	0.012374	0.016406	-0.007594	-0.005288	0.01929	-0.014137	0.029352	0.002202	-0.017226	-0.008523	-0.00087
65	0.004199	0.028083	0.009247	-0.016332	0.037861	-0.032646	0.009996	-0.032096	-0.06008	0.019571	0.054578	0.127031	0.031128	0.011915
66	-0.025617	-0.035927	-0.033719	0.077135	0.090267	0.09281	-0.009867	-0.04564	-0.022427	-0.001651	0.035821	-0.000271	-0.015267	-0.004404
67	-0.031387	0.00172	-0.021841	-0.028614	-0.027675	-0.023498	-0.011294	-0.028377	-0.003361	0.005881	-0.01165	-0.026305	-0.027188	0.028951
68	0.022505	0.013813	0.005796	0.049546	0.003956	0.039417	-0.000043	-0.019033	-0.039856	0.019541	0.023041	-0.012003	-0.037704	0.021427
69	0.072739	0.063377	0.025731	-0.032928	-0.037204	0.023281	-0.113211	-0.044428	-0.003308	-0.073976	-0.088877	-0.120682	0.021613	0.08238
70	-0.037911	-0.08788	0.037503	0.018312	-0.004598	-0.058774	0.025302	-0.024915	-0.053293	0.04617	-0.011819	-0.042246	-0.032886	-0.115108
71	-0.001641	0.030069	0.042594	0.052237	0.014803	-0.013473	0.024011	0.036328	-0.004521	0.016746	-0.012547	0.010879	-0.015479	-0.02368
72	0.043573	0.000287	0.022012	-0.005419	-0.032485	-0.038914	-0.038418	0.051772	0.012506	-0.009059	0.023257	0.037652	-0.034746	-0.008721
73	0.007646	-0.01185	-0.07684	0.064574	-0.025121	0.046772	-0.078196	0.017374	0.024925	0.04229	0.049966	0.00221	0.043818	0.052047
74	-0.012062	-0.033866	0.019045	-0.005938	0.009492	-0.026172	-0.005688	-0.005746	-0.003937	-0.012161	-0.024756	0.036238	-0.023414	-0.013727
75	0.029178	0.081909	-0.006179	0.007594	-0.031226	0.052414	-0.077297	0.073959	0.080338	0.008705	0.040713	-0.063786	-0.027944	0.074339
76	-0.001169	0.000422	0.039934	-0.115256	0.042239	0.037941	0.046779	0.00853	0.025279	0.009305	0.006943	-0.02913	0.008996	-0.002295
77	-0.03159	0.010001	-0.054058	0.081076	-0.008107	0.028412	-0.010305	-0.063224	-0.097086	-0.009955	-0.017985	0.03938	-0.046604	-0.035031
78	0.038936	0.002363	0.025696	0.053043	0.086198	0.011929	0.115866	0.014001	-0.087251	0.037353	0.025855	0.13014	0.100435	-0.052277
79	-0.054736	-0.051021	-0.071538	0.035929	-0.067195	-0.120845	-0.036386	-0.000998	0.011421	-0.050501	0.049742	0.007009	0.006667	0.002489
80	0.006248	0.011802	-0.002036	0.026905	-0.00162	0.026028	-0.059788	0.010988	0.009484	0.056355	0.020582	-0.031643	-0.012349	-0.007133
81	-0.046772	-0.042639	0.008523	0.016521	0.036322	0.025407	0.012755	-0.025695	-0.041255	-0.006934	-0.007252	-0.024147	-0.027426	-0.001509
82	-0.000424	-0.008903	0.056785	0.013654	-0.065198	-0.046519	0.015148	-0.011974	0.036767	0.010701	0.002323	-0.028619	-0.006768	-0.00479

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
83	-0.048816	-0.018304	-0.056073	0.025021	-0.017193	0.010058	-0.015044	0.016311	0.015857	0.046413	0.04315	0.046944	0.030522	0.038347
84	-0.071125	-0.080792	0.017801	-0.006172	-0.022711	0.012062	0.000125	0.044949	0.023414	-0.020366	-0.016321	-0.124396	-0.092191	-0.124595
85	0.026422	0.001455	0.031451	-0.07379	0.020565	0.003437	0.081552	-0.03109	0.010871	-0.02425	-0.010489	0.013858	0.096235	-0.040764
86	0.017374	-0.045385	-0.041241	-0.046765	0.111713	0.062135	0.061351	-0.067162	-0.056435	-0.023007	-0.063526	0.042742	-0.029896	0.008179
87	-0.027008	-0.04438	0.072647	-0.025046	0.035077	-0.049077	0.03467	0.023714	-0.038212	0.071233	0.003749	-0.007862	-0.046184	0.053977
88	-0.034662	-0.062457	-0.036869	0.029438	0.027507	-0.052298	-0.054313	0.023088	-0.060638	-0.010088	-0.015072	-0.092751	0.029348	-0.064383
89	-0.038301	-0.083709	-0.058577	-0.024375	-0.04035	0.003016	-0.099537	0.023198	0.065243	0.087646	0.094514	0.002555	0.025086	0.046432
90	0.078314	0.1202	-0.001183	-0.03483	0.046246	0.151813	-0.014762	-0.091532	-0.075793	0.025104	0.006558	0.000307	-0.032421	-0.079525
91	-0.002877	0.028721	0.028285	0.085812	0.036317	0.069875	-0.05706	0.00534	-0.021807	0.023287	0.025682	0.023897	-0.048536	0.030767
92	0.062722	0.127863	0.015867	-0.031015	-0.070248	-0.059107	-0.013079	0.043354	0.022657	0.029525	0.036804	0.07888	0.027475	-0.004443
93	0.003609	0.040296	0.012302	0.03164	-0.026565	0.041646	-0.009687	-0.031732	0.022902	-0.045822	-0.01141	-0.023409	0.073515	-0.000436
94	-0.028863	0.029618	0.021339	-0.024475	0.037618	0.019815	0.007452	0.039079	0.007065	-0.056251	-0.053031	0.038263	-0.09012	0.057786
95	0.024523	0.01076	-0.0226	-0.018843	0.030091	-0.01882	-0.035214	-0.006802	0.020114	-0.008549	0.023963	-0.020678	-0.024322	-0.112983
96	-0.0511	0.012883	0.041072	-0.057912	-0.053411	0.015683	0.040366	-0.044063	-0.019181	-0.003124	0.033298	0.038568	0.016104	-0.005481
97	-0.006414	0.041666	0.040675	-0.028622	0.027643	-0.024863	-0.023014	0.021565	0.000159	-0.034545	-0.036333	-0.043477	-0.027121	-0.026544
98	-0.020837	-0.030743	-0.003066	0.007031	0.014154	0.03981	0.04507	0.035535	0.056933	0.021572	0.004181	-0.078876	-0.027863	-0.007935
99	0.000067	-0.020679	0.083802	0.043024	0.025848	-0.032631	0.028419	-0.017032	-0.019222	-0.14386	-0.144513	-0.081485	0.036402	-0.070926
100	0.008697	-0.027905	0.002679	-0.01934	-0.070694	-0.033048	-0.035787	0.028947	0.020599	0.080232	0.032331	-0.040638	-0.070185	-0.083315
101	0.063564	0.091819	0.029727	-0.105421	-0.012766	-0.020458	0.043581	0.027911	0.04527	0.002102	0.00737	0.09055	0.014917	0.055769
102	-0.003299	0.001944	-0.003841	0.068632	0.028225	0.016567	-0.039159	-0.032675	-0.023102	0.056374	0.019073	-0.009334	-0.018751	0.055044
103	-0.026206	-0.01227	-0.033919	0.010587	-0.046518	-0.031116	0.002697	-0.052198	-0.016126	-0.110276	-0.110722	0.056876	0.010372	0.032851
104	0.043301	0.01713	0.03278	0.014283	-0.004545	-0.02248	-0.004861	0.056908	0.003542	0.067019	0.078883	-0.036739	-0.01272	-0.011092
105	0.011835	0.053174	0.027344	0.024793	0.001449	0.054643	0.030654	0.021487	0.053379	-0.03253	0.013384	-0.02002	-0.0008	-0.039776
106	-0.003041	-0.017085	0.030598	0.040877	0.03401	-0.010557	0.010189	0.041652	0.025833	0.032984	-0.013206	0.049003	-0.001514	-0.06965
107	0.017604	0.030737	0.079958	0.00601	-0.02243	-0.016635	0.001355	0.018978	0.021317	0.021641	-0.003464	-0.018878	-0.008444	0.010169
108	-0.030065	0.00779	0.036845	0.049576	0.041733	0.082097	0.031548	-0.013756	-0.002053	0.029917	0.043479	0.019052	0.063559	0.037477
109	-0.01844	-0.026894	-0.033499	-0.051264	-0.036147	-0.042659	0.012196	0.002967	0.013605	-0.05241	-0.041595	0.039554	0.036577	0.017475
110	0.015188	-0.032744	-0.020779	0.061029	-0.005696	0.00174	0.015421	0.001579	0.004593	-0.035827	-0.032228	-0.035601	-0.034529	-0.008927
111	-0.019021	-0.032532	-0.083132	0.023072	-0.003692	0.039253	0.029535	0.008597	0.018158	0.017634	0.036785	-0.047725	-0.035162	-0.045874
112	-0.014146	-0.020377	-0.049195	-0.055365	0.032277	-0.001574	0.006355	-0.004982	-0.04894	-0.001287	0.019522	0.056725	0.019928	-0.02332
113	0.026895	0.023827	0.039538	0.046331	0.061709	0.049369	-0.02805	0.00242	0.020099	-0.007246	-0.007771	-0.002966	-0.05566	-0.007861
114	-0.015519	-0.008829	0.010457	0.024412	0.043694	0.011958	-0.013549	-0.000079	-0.03861	-0.009894	-0.009397	-0.014838	0.001297	0.018596
115	0.020387	-0.022139	-0.048725	0.008873	0.001578	-0.055496	0.004422	-0.012293	-0.004155	0.005249	-0.014398	0.035174	0.020012	0.036984
116	-0.00652	0.03108	0.032535	0.006369	-0.021015	0.046384	-0.047067	-0.056307	-0.062978	-0.040168	-0.016993	0.02451	-0.012497	-0.020679
117	-0.005233	-0.148999	-0.017615	0.140286	0.070135	-0.038839	-0.020549	0.051306	-0.01765	-0.01358	-0.017125	-0.094333	-0.00574	0.131668
118	0.029816	0.010656	-0.098169	-0.030701	0.059867	0.040596	-0.051006	-0.017882	0.010528	-0.011746	-0.028434	0.101644	0.017705	-0.064352
119	0.004783	-0.039163	-0.046715	-0.013836	-0.040518	-0.100487	0.001684	-0.007516	-0.007261	-0.011021	0.017445	-0.02188	-0.052741	0.010109
120	-0.090661	0.028296	0.054651	-0.006919	-0.003674	0.029956	-0.010735	-0.030746	-0.020279	0.104528	0.080677	0.084369	0.051691	-0.096937
121	0.069653	0.060454	-0.025595	-0.060962	-0.0311	0.005478	0.00294	0.026906	0.030876	0.006713	-0.01276	0.018803	0.003121	0.023581
122	-0.070676	-0.023878	-0.058638	0.037944	-0.037498	0.000259	0.015301	0.049626	0.038994	0.01454	-0.011185	-0.027414	-0.004225	-0.012802
123	0.00153	-0.005595	0.093858	-0.130962	0.01952	0.05821	-0.042237	0.046109	0.032524	0.025673	0.021265	0.049745	0.05251	0.026481

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
124	0.071204	0.052399	0.026439	0.048828	0.062949	0.095072	-0.028356	-0.019908	-0.059244	0.096883	0.072102	0.082331	-0.052607	0.021126
125	0.067941	0.037617	-0.0219	0.045033	-0.03009	-0.045998	0.031576	-0.010288	-0.052163	0.014966	-0.010759	-0.023481	-0.06186	0.023643
126	0.072747	0.066065	-0.024382	0.033126	-0.067074	0.00777	0.063536	0.01465	0.034612	-0.018559	-0.028803	0.046149	-0.008921	0.060688
127	-0.012204	-0.025775	0.024054	0.154395	0.062512	-0.009121	-0.076267	-0.03272	-0.044727	0.054709	0.022044	-0.035941	-0.05163	0.026695
128	-0.011826	-0.017709	0.040409	-0.099567	0.019518	0.055341	0.011143	0.015493	0.012392	-0.029117	-0.028946	0.059468	0.033311	-0.014322
129	-0.038027	-0.033327	0.003286	-0.031468	-0.100154	-0.023801	-0.03482	0.030001	0.044564	0.036579	0.036536	0.041065	0.011089	-0.006974
130	-0.000274	-0.021028	0.030751	0.033551	-0.00992	0.027395	-0.001643	-0.029031	-0.043542	0.029165	-0.018746	-0.005258	0.02176	0.042012
131	-0.033332	-0.008253	0.023232	0.003666	-0.01528	-0.000541	0.019561	-0.009936	-0.008586	-0.023604	0.021465	0.023051	-0.005009	0.014763
132	0.017084	0.0035	-0.033015	-0.007001	-0.017326	-0.000112	0.061453	0.000371	0.01072	-0.064168	-0.041716	-0.02836	0.026669	-0.005803
133	0.024503	0.042398	0.021135	0.000246	0.032721	-0.034409	0.017206	0.019825	-0.000311	0.00074	-0.020549	0.058472	-0.018595	0.003071
134	0.022524	0.006771	0.038782	-0.036329	0.004371	0.028243	0.003082	0.066907	0.05812	0.008245	0.030112	-0.043811	-0.015959	-0.014603
135	-0.059135	-0.022437	-0.013066	0.067937	-0.001315	0.062319	0.070542	-0.015052	0.064579	-0.042336	0.041935	-0.006993	-0.007554	0.063488
136	-0.055339	-0.045705	-0.020486	0.057628	0.052225	0.009157	-0.046845	-0.031594	-0.090424	0.026839	0.029158	-0.074727	0.036838	0.0173
137	-0.010431	-0.079185	-0.033656	-0.136415	0.023794	-0.020348	0.043325	-0.0273	0.025077	-0.016335	-0.004717	0.021905	0.047587	-0.025484
138	0.055571	0.00932	0.000879	-0.005095	0.019427	-0.054165	-0.020979	0.042152	0.07283	0.020731	0.001631	-0.029221	-0.024622	0.010237
139	-0.003607	-0.001198	0.003018	0.030024	0.005529	-0.023586	0.005434	-0.021429	0.019696	-0.035347	-0.039756	-0.006937	-0.002307	0.013349
140	-0.011766	0.062495	-0.02214	-0.040435	-0.010684	-0.025191	0.021341	-0.018567	-0.005225	-0.024097	0.021674	0.015552	-0.001923	0.00022
141	-0.014818	-0.026169	0.026738	-0.031533	0.004804	-0.071114	-0.01377	0.016093	-0.023935	0.100858	0.043963	0.054435	-0.021381	-0.037674
142	-0.010147	-0.004054	0.007706	-0.020897	-0.020128	-0.027993	-0.040898	-0.015742	0.026312	-0.001825	0.003011	0.028148	0.001142	0.021365
143	0.016204	0.038865	0.054908	0.04451	0.032875	0.027249	0.059171	-0.021438	-0.003645	0.026081	0.023816	0.031295	0.014528	0.026767
144	0.003856	-0.028161	0.000872	-0.020504	-0.021275	-0.031431	0.034575	-0.013626	-0.008243	-0.055312	-0.029266	0.048553	-0.01397	0.001658
145	-0.010837	0.026774	-0.010008	-0.028711	-0.037859	-0.016302	-0.058572	-0.009256	0.010618	-0.017927	0.002461	-0.03178	0.012276	-0.007853
146	0.056318	0.006986	-0.011565	-0.061964	-0.011253	0.033637	-0.026552	0.019624	0.035305	0.014263	-0.022587	-0.012593	-0.003725	-0.034625
147	-0.020664	-0.028098	-0.003711	0.028195	0.005743	0.01759	0.007784	-0.023206	-0.026742	-0.03882	-0.056336	-0.007101	0.014334	0.01405
148	0.010806	-0.019794	-0.025756	0.001325	0.030266	0.031697	0.048438	0.014178	0.008335	0.007227	-0.026217	-0.004212	0.011319	-0.004697
149	-0.005492	-0.003246	-0.031684	0.052992	-0.030215	-0.009055	0.012495	-0.000937	0.023047	-0.019175	0.00148	0.028654	0.018306	0.027806
150	-0.031325	-0.01764	-0.053082	0.016991	0.000531	0.060627	-0.035299	0.026584	-0.00165	-0.00745	0.012936	-0.020493	-0.022916	-0.019307
151	-0.002956	-0.002368	-0.000564	-0.008094	-0.018238	-0.001032	0.022895	-0.006491	-0.007953	-0.017948	-0.025088	0.018396	0.002912	-0.015665
152	-0.010973	0.047618	0.023108	0.015783	0.021086	0.049433	0.013187	0.001923	0.007716	-0.013538	-0.008312	0.00884	0.026646	-0.028332
153	0.018894	-0.028492	0.027177	-0.001931	-0.000831	-0.066187	-0.028393	0.038158	0.022852	-0.020241	-0.044259	-0.000809	0.006617	-0.013888
154	0.018468	0.009022	-0.044901	-0.011108	0.003501	0.010668	0.018189	0.017597	0.018211	0.007961	0.006143	-0.008784	0.01217	0.027438
155	0.024544	0.014443	0.029538	-0.007741	0.008507	0.008778	0.006384	-0.010863	0.018575	-0.023817	-0.02628	-0.013433	0.011517	-0.033007
156	0.003273	0.020278	-0.005937	-0.052118	-0.015493	0.018051	-0.003177	-0.008004	0.032936	-0.032492	-0.048034	0.027064	0.011198	0.033417
157	0.025134	0.027131	-0.004946	0.020493	-0.022236	-0.042415	-0.035031	-0.004111	-0.004234	-0.022517	-0.032296	-0.029426	-0.041739	0.003022
158	0.009631	0.015645	0.011672	-0.032291	-0.042464	-0.049095	-0.012715	-0.012163	-0.045752	-0.018579	-0.033776	0.009603	-0.023107	-0.018355
159	0.00534	-0.021258	0.016957	0.011129	0.025432	-0.023545	0.039358	-0.003621	-0.027689	0.037111	0.021743	0.018583	-0.001863	0.006049
160	0.001252	-0.00905	0.011675	-0.004822	-0.018595	-0.009069	0.003372	-0.030939	-0.030881	0.024692	0.023818	-0.012754	-0.024614	0.003032
161	-0.019236	0.023971	-0.020696	0.010633	-0.007112	-0.001604	-0.054474	0.032084	0.001416	0.024625	0.021564	-0.034307	-0.017935	0.011487
162	0.00257	0.00981	0.004943	0.047183	-0.003029	-0.007336	0.0217	0.011049	0.028395	0.018229	-0.008203	-0.019653	-0.022791	0.059465
163	-0.048949	-0.00701	0.035432	0.001318	0.008635	0.010395	0.014726	0.023365	0.037877	-0.007426	0.003608	-0.053532	0.008865	-0.024079
164	0.023394	0.009135	0.047143	-0.038015	0.01183	0.018045	0.000527	-0.009928	-0.032291	0.035413	-0.006616	-0.010863	-0.013634	-0.050224

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
165	0.027265	0.026288	-0.008109	0.003522	0.043346	0.036236	0.020663	-0.014146	-0.005563	-0.008679	0.017979	0.048565	-0.038861	0.021905
166	-0.006583	-0.015205	0.008346	-0.055469	-0.063003	-0.029311	-0.031438	0.005064	0.03628	0.01366	0.015252	-0.033326	-0.009483	-0.032397
167	-0.0253	-0.001799	0.042412	0.023742	0.028994	0.053437	-0.022374	0.005976	-0.000012	0.01862	0.029565	-0.046449	0.017896	-0.036048
168	0.005881	0.015775	-0.046521	0.04123	0.025108	0.040673	-0.00421	0.010634	-0.002238	-0.009728	-0.014485	-0.046795	-0.021896	0.005462
169	0.020092	0.009618	0.005718	-0.008599	0.019769	0.001384	0.010044	-0.010859	0.001645	-0.031043	-0.044719	-0.018721	0.008557	-0.01437
170	0.012957	0.013011	0.003016	-0.008173	-0.011838	-0.033162	0.03162	0.008176	0.006868	-0.017385	-0.039523	0.019239	-0.013279	-0.009373
171	0.016563	0.004049	0.016354	-0.02605	0.021016	-0.003066	0.004113	-0.000717	0.010381	-0.004913	-0.014824	0.010083	0.011586	-0.011569
172	0.020241	0.03439	-0.002948	-0.049478	0.001498	0.038706	-0.005055	-0.040527	0.001622	-0.042237	-0.033455	-0.002519	0.016727	-0.000489
173	0.003817	0.011124	-0.015841	-0.046378	-0.03397	-0.035865	0.016533	0.005977	-0.005264	0.008009	0.003928	-0.010368	0.01657	-0.010024
174	-0.026836	-0.046385	0.001075	0.013244	0.019595	-0.038527	0.009438	0.043442	0.006269	0.045273	0.026489	0.006256	0.014445	-0.004992
175	-0.017161	-0.031959	0.023481	0.000198	0.021786	-0.013824	0.037111	0.017841	0.00851	-0.011863	-0.027299	0.016062	-0.000448	-0.009586
176	0.04861	0.022313	-0.018274	0.018203	0.030297	0.040126	-0.017897	0.00999	0.00233	0.026589	0.011416	0.008943	-0.012891	0.001386
177	0.022887	0.047252	0.034921	-0.001166	0.052406	0.03031	0.032871	0.036352	0.048876	-0.032882	0.004209	0.016022	0.001161	-0.037327
178	-0.019297	-0.013091	-0.018089	0.05595	0.029556	-0.009451	-0.034295	0.001287	-0.037272	0.017599	0.001524	-0.009381	-0.037118	0.00534
179	-0.017866	-0.025677	-0.008074	0.020603	0.031293	0.018454	-0.004319	0.000958	0.014494	-0.001307	0.009949	-0.002646	0.021356	0.011575
180	-0.017134	0.010007	0.002698	0.042563	0.022145	0.017977	-0.023668	-0.008422	-0.044816	0.002927	0.003351	0.004754	-0.007167	0.009409
181	-0.007499	-0.015728	0.008767	0.043533	0.010667	-0.004609	-0.005228	0.013863	-0.017216	-0.004001	0.002969	-0.000617	0.003091	0.026987
182	-0.001986	-0.028386	-0.011308	0.031483	0.011752	-0.014147	0.008677	0.019384	-0.017573	-0.028109	-0.000802	0.008141	-0.00944	0.041907
183	-0.006824	-0.029336	0.003453	0.010846	-0.014047	-0.037085	-0.027427	-0.000979	-0.002677	0.02665	0.044283	0.009514	0.005585	0.019892
184	-0.009925	0.011701	0.000481	0.024632	-0.05933	-0.039477	-0.05802	-0.01588	0.006246	0.047591	0.037013	-0.046745	0.00224	-0.022538
185	0.024631	0.045444	0.089376	0.011979	0.026252	0.031151	-0.003582	-0.0161	-0.015749	0.047294	0.035797	0.046996	0.028129	-0.024222
186	0.012315	0.054367	0.019634	0.005284	0.031955	0.04005	-0.033032	-0.013195	-0.02754	0.034011	0.045839	0.037513	0.008654	0.003043
187	0.016954	0.00728	0.008195	0.002105	-0.011488	-0.008227	-0.004343	0.015526	0.005952	0.005055	0.006624	-0.052092	-0.015819	-0.000365
188	0.016781	-0.00373	-0.004637	-0.00356	-0.000505	0.00429	0.013574	0.033267	0.03121	0.020878	0.024935	0.007574	0.020498	-0.000635
189	0.031469	-0.009074	0.030615	-0.051838	-0.013948	0.01781	0.038	0.019727	0.034573	-0.004089	-0.00963	-0.031534	0.023266	0.021301
190	0.009917	-0.005258	0.002801	0.041827	0.027778	-0.05033	-0.023014	0.011598	-0.023861	0.033699	0.002102	-0.041551	-0.032037	-0.003751
191	0.008863	0.030743	-0.02016	0.006763	-0.008961	-0.010056	-0.004971	-0.005746	0.016233	-0.010263	0.009034	-0.009934	-0.009723	-0.001225
192	-0.017734	-0.009669	0.01813	0.00834	0.016117	0.014965	0.06594	-0.014875	-0.001312	-0.053144	0.000112	-0.002103	0.015392	-0.021372
193	0.027994	-0.013668	-0.048296	-0.012237	0.043	0.047135	0.006713	0.006502	0.029068	-0.022538	-0.018188	0.029001	-0.002082	-0.035869
194	-0.003416	0.022907	0.005793	-0.012787	-0.016635	0.034871	0.02681	-0.039092	0.007762	-0.033764	-0.005586	-0.013922	0.021459	-0.029776
195	-0.025259	0.018951	0.009885	-0.015069	0.032981	0.03786	0.021198	-0.000924	-0.002507	0.040602	0.048677	0.030115	-0.05813	0.020497
196	-0.012746	0.037641	0.041203	-0.03987	-0.004599	0.019127	-0.001133	-0.038709	-0.021802	-0.024074	-0.014021	0.020443	-0.01729	0.014281
197	0.010016	0.005619	-0.031271	0.037721	-0.005212	0.027496	0.027934	-0.024098	0.0045	-0.012699	-0.005561	0.016706	0.016547	0.012284
198	-0.020519	0.009192	-0.039471	0.003564	-0.000629	0.019632	0.015747	0.012132	0.01275	-0.017864	-0.030441	-0.000804	-0.062802	0.027079
199	0.007966	0.037855	0.000056	-0.028541	-0.000803	0.030775	0.031693	-0.038723	-0.026647	-0.045216	0.00173	-0.029802	-0.048048	0.026974
200	0.03231	-0.014303	-0.007722	0.017515	0.01669	-0.048928	-0.03069	0.011383	0.024656	0.014172	0.012889	0.039831	-0.041291	0.021721
201	-0.009924	-0.015583	0.005713	-0.051366	-0.006993	-0.004595	-0.005934	-0.014218	-0.021346	-0.013926	-0.033422	0.024821	0.021016	0.018006
202	-0.012511	0.012088	-0.014386	-0.030337	-0.023729	-0.00259	0.01361	-0.002922	0.011676	-0.034555	-0.033364	-0.02672	-0.053955	0.019234
203	-0.023493	-0.017128	-0.00077	0.029713	0.016196	0.012943	0.004424	-0.003871	-0.007428	0.021632	0.025409	0.025684	-0.0282	-0.024725
204	0.010457	-0.045716	0.025779	0.012708	-0.007038	-0.076109	-0.030534	0.004275	-0.047901	0.00911	-0.018035	-0.03348	-0.018765	-0.027442
205	0.031017	-0.01223	0.01134	0.009915	0.018207	-0.002185	-0.026953	0.018753	-0.041401	0.077096	0.037888	0.018417	0.01658	0.012371

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
206	-0.019632	-0.000884	0.007142	-0.025675	0.017481	0.005269	0.014558	-0.01736	-0.027375	0.002065	-0.021349	0.009665	-0.013601	0.032013
207	-0.016611	0.00883	0.013076	-0.00003	-0.002217	0.025409	0.011104	-0.012663	0.010013	-0.002367	0.018478	-0.0025	0.029443	-0.010154
208	-0.013009	-0.04109	-0.016204	-0.002257	0.030593	0.0697	0.049985	-0.019379	-0.015966	0.001147	0.011591	-0.015057	0.008042	-0.032647
209	-0.013022	-0.007159	-0.005733	0.006463	-0.019841	-0.040505	-0.006368	0.009329	0.012267	-0.007183	-0.015139	-0.018931	0.01386	-0.011757
210	0.011599	0.023638	0.01819	0.03662	0.022283	0.0163	-0.001144	0.021151	-0.02002	0.016636	-0.043773	0.034933	0.017089	0.01212
211	0.027922	0.019042	-0.00243	0.056883	-0.012394	-0.008384	-0.032528	-0.01205	0.023251	0.020811	-0.012942	-0.020271	0.017029	-0.007839
212	-0.029355	-0.029578	0.010433	0.027588	-0.01004	-0.055393	0.001818	0.007088	-0.000913	-0.027126	-0.033161	-0.050474	-0.019361	-0.006695
213	-0.021349	-0.051845	-0.010265	0.012912	-0.012071	-0.004769	-0.022895	-0.005254	0.007123	-0.027098	-0.021787	0.021529	0.037862	0.013015
214	0.006097	0.002436	-0.017937	0.007305	0.011014	0.018455	-0.043096	-0.019336	-0.000549	0.006741	-0.000461	-0.014385	0.009206	0.009102
215	0.022833	0.024871	-0.012183	-0.045981	0.031454	0.026438	0.000831	0.008425	-0.030604	-0.017014	0.008383	0.015152	0.003129	0.015622
216	0.027351	0.018392	-0.016422	-0.066868	-0.00112	-0.016362	0.001583	0.017203	0.011369	-0.006525	0.000124	-0.01308	-0.001681	0.013067
217	-0.014159	-0.021052	0.038847	-0.033856	0.060495	0.027813	0.024374	0.003596	-0.014769	-0.022478	-0.021283	0.019987	-0.015523	0.001125
218	-0.014771	0.003336	0.003927	-0.030504	-0.02723	0.005282	-0.013429	0.032412	0.017917	0.011361	0.013882	-0.011352	-0.006575	-0.00636
219	0.034564	0.023354	-0.040033	-0.006362	-0.006177	-0.019029	-0.059047	0.021069	0.012258	0.019446	-0.008078	-0.019686	-0.000215	0.005715
220	0.043793	0.043809	0.044287	0.001241	-0.017031	-0.03102	-0.036271	-0.016074	-0.01632	-0.009874	-0.00387	-0.033325	-0.024672	0.007207
221	0.01316	0.052335	-0.024641	-0.005272	-0.047177	0.016336	-0.03406	-0.004579	0.038292	0.015016	0.045827	-0.00157	0.012948	0.03538
222	0.014993	0.047165	-0.006499	-0.0277	-0.011749	0.012204	0.042107	-0.00626	0.010464	-0.010041	0.009198	0.019593	0.019928	0.015531
223	0.019725	0.013923	-0.013784	-0.043615	0.023153	-0.009293	-0.002236	0.023825	0.003898	0.001081	0.001381	0.016745	-0.012586	0.005674
224	-0.009064	-0.028808	-0.016923	-0.02095	-0.023396	-0.038379	-0.026188	0.018474	-0.018188	0.016539	-0.008785	-0.009834	-0.021758	-0.016069
225	-0.010169	-0.006372	-0.001752	-0.02499	-0.036374	-0.023394	0.00557	0.024477	0.017257	0.000897	-0.008312	-0.012641	-0.010533	-0.011793
226	0.07437	0.057549	0.017983	0.027021	0.015295	0.019441	0.00542	0.005031	0.011906	0.02209	0.006289	-0.008568	-0.001393	0.030937
227	0.036143	-0.017592	0.069646	-0.023029	0.074873	-0.004208	0.002572	0.000606	-0.015236	0.020916	-0.042612	-0.02213	0.01845	0.029153
228	-0.018482	-0.023663	0.027042	0.002551	0.026998	0.065031	-0.022206	0.016288	0.004652	0.03648	0.013133	-0.092897	-0.010118	-0.018357
229	0.010371	-0.027255	-0.013887	0.027372	-0.016324	0.000273	-0.003924	0.00913	0.00933	0.027233	0.001278	0.019304	0.023198	0.012103
230	0.051306	0.048421	-0.023017	-0.00594	0.027807	0.036181	-0.001996	0.027634	0.021367	0.027371	0.027848	0.03757	0.008077	0.006072
231	0.025637	-0.001773	-0.008204	0.015136	0.015543	0.014178	0.005568	0.021588	0.051195	-0.004907	0.038793	0.014278	0.023912	0.042765
232	0.002463	0.021145	-0.019672	-0.000362	0.024682	0.036737	-0.017911	0.00007	0.00606	0.023134	0.032124	0.01482	-0.004867	0.018479
233	-0.001793	-0.038352	0.017728	-0.058171	-0.001738	-0.048051	-0.012455	-0.022446	-0.007465	-0.00836	-0.010745	0.045408	0.013067	0.044869
234	0.013338	-0.00722	-0.045922	0.012018	0.01342	0.026418	-0.029122	-0.032535	-0.032808	0.03402	0.021966	0.013856	-0.015596	0.012728
235	0.001617	0.02367	-0.036021	0.004222	-0.009375	0.03479	-0.004119	-0.024198	0.003558	0.006582	0.025477	-0.035143	-0.022811	-0.014913
236	-0.015542	-0.036481	0.000037	0.038464	0.035544	-0.008675	-0.055447	0.022965	0.0009	0.067187	0.0599	-0.045285	-0.062565	0.000145
237	-0.053898	-0.045049	0.077198	-0.017155	0.079624	0.11544	0.072078	0.078325	0.101315	0.009692	0.021634	-0.019173	0.041731	-0.049938
238	-0.004999	-0.011623	-0.111638	-0.004134	0.063365	0.031489	0.009719	0.019575	0.031997	0.003015	0.013455	0.033629	0.034883	-0.006081
239	0.000058	-0.009062	-0.158267	0.001913	0.038754	0.044898	-0.010026	0.018635	0.033302	0.010211	0.025449	0.047362	0.032339	0.012448
240	0.020072	-0.012567	-0.02848	0.003512	-0.020441	-0.01815	-0.014363	0.017796	0.023125	-0.009504	-0.014993	-0.030427	0.028703	0.005741
241	0.026204	0.006278	-0.005061	0.019933	-0.000851	-0.038559	-0.031991	0.012115	-0.007434	-0.000627	-0.016239	0.002734	0.005241	0.028324
242	-0.005868	0.001295	0.014799	-0.091777	-0.013143	-0.031676	0.022689	0.003209	-0.011678	0.022991	0.032412	0.000448	-0.037495	-0.003251
243	-0.0041	-0.001621	-0.003836	-0.216071	0.015738	-0.031566	-0.028855	0.033308	0.001708	0.014741	-0.011319	0.00901	0.012167	-0.032638
244	-0.002467	0.031367	0.023123	0.020883	0.018368	0.040695	0.020622	0.033756	0.041298	0.030732	0.042149	0.039539	-0.007684	0.016808
245	0.00458	-0.005884	0.014992	0.006555	-0.0271	-0.002933	0.044022	0.018915	0.042744	-0.005582	-0.00151	0.063281	0.028811	0.015774
246	0.007557	0.017879	0.065142	0.029612	-0.08658	-0.041431	-0.016176	0.00896	0.01165	0.033996	0.026496	0.0109	0.012495	0.002574

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
247	0.021663	0.027364	0.003756	0.031449	-0.03299	-0.06332	-0.147895	0.026532	0.014972	0.025377	0.028896	-0.014382	-0.020167	0.009615
248	0.030504	0.025714	-0.035696	0.04641	-0.002942	-0.001745	-0.128441	0.040423	0.043201	0.012038	0.021476	-0.060568	-0.013419	0.004644
249	0.053594	0.056842	-0.002158	0.01922	-0.006622	-0.005434	-0.006882	0.000798	0.001098	0.01465	-0.012065	0.051055	0.019767	0.021066
250	0.006084	0.015304	0.038974	0.043723	-0.01	-0.019224	-0.022642	-0.039396	-0.057236	0.019244	0.020206	-0.013076	-0.022589	0.021347
251	0.026197	0.046364	-0.001511	-0.019317	-0.01745	0.009119	0.020801	0.016198	0.005908	-0.008021	-0.006744	-0.001314	0.011375	-0.021601
252	0.025582	0.0179	-0.021975	-0.026858	0.035158	0.00376	0.022042	0.035344	0.024005	0.028657	0.000334	0.019579	0.007453	-0.01067
253	0.031047	-0.008251	0.032895	-0.121786	0.057083	0.021474	0.023132	-0.016614	-0.055095	-0.021153	-0.038715	-0.028194	0.012179	-0.025793
254	0.037312	0.005628	0.015349	0.007474	0.023675	-0.019899	0.025654	0.031654	0.049161	-0.001144	-0.008449	0.000923	-0.030294	-0.008359
255	0.04397	0.033233	0.022269	0.023674	-0.015895	-0.015481	-0.019853	0.037604	0.026342	0.030399	0.016414	-0.025976	-0.022684	0.01574
256	0.064343	0.05276	0.009009	0.030825	0.015899	0.00709	-0.012218	-0.037352	-0.029578	0.006183	-0.029313	0.015839	-0.035289	0.003512
257	0.040566	0.047238	0.038169	0.042736	0.027567	0.034621	0.056419	-0.139464	-0.117108	-0.064284	-0.052584	0.014145	-0.014767	0.014636
258	0.023045	0.028141	0.010462	-0.00145	-0.036444	-0.000722	-0.015518	-0.009577	0.021917	-0.119551	-0.081504	-0.123878	-0.016587	0.006737
259	0.028519	0.034524	0.023802	-0.047257	-0.021296	-0.010167	0.017961	0.022378	0.01687	-0.008147	0.000788	0.018202	0.021847	0.002283
260	-0.007209	-0.002445	0.023212	0.039115	-0.012563	-0.007401	-0.014728	0.011626	0.009747	0.016679	0.014692	-0.033667	-0.015835	-0.003287
261	0.008537	0.021513	-0.007294	-0.017166	-0.028499	0.01922	0.020089	0.018964	0.051702	-0.016393	-0.002916	-0.005819	-0.025982	-0.005204
262	0.006767	0.005795	0.001575	-0.00328	0.00654	0.01208	-0.014648	0.00348	0.044083	0.020522	0.03023	-0.025314	-0.092262	0.024455
263	0.015427	0.008229	0.001868	-0.040692	0.009127	0.038197	0.002761	-0.00458	0.023145	0.00165	0.003509	-0.038436	-0.05143	0.022373
264	0.001315	0.018272	-0.005322	-0.018855	-0.026832	-0.0002	0.02569	-0.034286	-0.021545	-0.045682	-0.011179	0.018627	0.075369	0.043822
265	-0.006225	0.010837	-0.017465	-0.029088	0.002161	0.018524	0.021439	0.011292	0.019998	-0.024056	0.010701	0.016027	-0.009247	0.013849
266	0.012881	0.006029	-0.022583	-0.031766	-0.006835	-0.013126	-0.033706	0.02703	0.03265	0.010151	0.010315	-0.021492	-0.083289	0.000613
267	0.028658	0.045998	0.022527	-0.006264	-0.023368	-0.008431	0.007057	-0.009743	0.007362	-0.022075	-0.010157	0.060073	0.004045	0.000322
268	0.030068	0.045702	0.007297	-0.0151	0.00955	0.01257	0.024805	-0.011521	-0.010224	0.025318	0.020176	0.023007	0.000575	0.004457
269	0.035571	0.03124	-0.000834	0.010304	0.026983	-0.029146	0.007299	-0.010081	-0.026062	0.017679	0.004246	0.011749	-0.009516	0.001519
270	0.037839	0.019416	0.00466	0.007311	0.031761	0.014928	0.005332	-0.018757	-0.044767	-0.01094	-0.038386	-0.021869	-0.028133	0.006446
271	0.058941	0.016121	0.013123	-0.032443	0.084017	0.001478	-0.015581	0.016772	-0.037811	0.019155	0.025257	0.011503	-0.028281	0.016207
272	0.006103	-0.005612	0.004596	-0.018565	-0.021565	0.015426	-0.019491	-0.015195	-0.005185	-0.009087	0.004788	0.00861	0.041064	0.019686
273	-0.005176	0.000013	0.035213	-0.020495	0.001867	0.004331	0.022292	-0.018462	-0.020746	0.018122	0.017463	0.021427	-0.004122	-0.006682
274	0.003404	0.004996	0.031864	-0.004632	0.006376	0.009087	-0.000039	-0.012417	-0.030069	0.019489	0.010937	0.008998	-0.017003	-0.009558
275	0.018354	-0.003343	-0.009961	-0.009966	-0.000072	-0.040121	-0.056307	0.011793	0.012235	0.002476	-0.02511	-0.020763	-0.024518	0.007571
276	-0.042833	-0.039285	-0.016782	-0.008006	-0.015696	-0.023216	-0.029654	-0.003548	0.008866	0.025975	0.039703	-0.027476	-0.03567	-0.000821
277	0.800456	-0.153224	-0.030434	0.007276	-0.026425	-0.0047	0.012678	0.013431	0.002555	0.013542	0.046456	-0.012589	-0.01071	-0.001988
278	-0.142178	0.747215	-0.061353	0.027306	0.020828	-0.054484	-0.020767	0.039622	-0.012091	0.02832	0.001201	-0.041184	-0.010467	0.004106
279	-0.007465	-0.0575	0.750638	0.047064	0.03074	0.003536	-0.073226	0.009528	-0.001534	0.016213	0.010767	-0.00635	0.003641	0.008093
280	-0.036587	0.002538	0.031977	0.576609	-0.069523	-0.025027	0.044753	0.002985	0.042936	-0.060712	-0.038761	0.020872	0.019934	-0.01204
281	-0.011795	0.027509	-0.004882	-0.046116	0.742601	-0.13217	-0.078672	-0.010739	0.037696	-0.042386	-0.003564	-0.022522	0.020238	0.020537
282	0.005713	-0.063717	0.006402	-0.045769	-0.153116	0.714014	-0.087942	0.017418	-0.031685	-0.03333	-0.058069	-0.033551	-0.005152	0.006185
283	0.056402	0.009434	-0.050835	0.063769	-0.013864	-0.071685	0.706576	0.017004	-0.021122	0.026406	-0.022988	-0.106545	-0.057092	0.001693
284	0.013402	0.03985	0.004943	0.032312	-0.007019	0.025545	0.015694	0.822626	-0.145759	-0.079025	-0.063034	-0.000133	0.001121	0.016635
285	0.018067	0.013453	0.019576	0.073088	0.05651	0.000761	0.003542	-0.142777	0.767355	-0.035652	-0.065917	-0.001511	-0.017057	-0.004154
286	0.011164	0.031757	0.008456	-0.077838	-0.051339	-0.037194	0.045753	-0.077002	-0.038025	0.750604	-0.185041	-0.079952	0.028468	0.016136
287	0.045568	0.020501	0.01752	-0.065037	-0.015661	-0.055602	0.015656	-0.061249	-0.068867	-0.197744	0.764191	-0.086077	0.01176	-0.009172

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
288	0.008365	-0.045631	-0.005528	0.051717	-0.020157	-0.05855	-0.130767	0.001376	-0.010374	-0.066442	-0.112199	0.645057	-0.092953	-0.063899
289	0.019921	0.010778	-0.009088	0.027042	0.004539	-0.031009	-0.045113	-0.003063	-0.023572	0.020335	-0.001403	-0.067408	0.833153	-0.007018
290	-0.003576	-0.006626	-0.003994	-0.025296	0.021631	-0.004661	-0.002953	0.010978	0.000743	0.003074	-0.014173	-0.039498	-0.017648	0.743956
291	-0.00667	-0.004052	-0.005324	-0.028904	0.01041	-0.002251	0.000658	0.004527	0.008578	-0.011358	-0.021325	-0.038468	-0.011262	-0.245955
292	-0.001233	0.049963	-0.040895	0.003127	0.016094	0.035349	-0.010336	-0.00516	-0.020525	-0.004646	-0.003	-0.016253	0.00033	-0.223271
293	-0.025081	-0.030537	-0.029273	-0.068929	-0.040306	-0.004376	-0.023691	-0.021975	0.017189	-0.014183	0.00361	-0.079569	-0.006081	-0.019264
294	-0.009248	0.009286	0.00086	-0.046645	-0.023165	-0.011867	-0.01289	0.016801	0.038061	0.01092	0.012881	-0.006472	-0.021036	-0.006435
295	0.026417	0.022285	-0.001528	-0.02781	-0.00383	0.038767	-0.011887	-0.014769	0.011605	0.021009	0.024948	0.007862	-0.021122	-0.023788
296	-0.003166	-0.002569	0.018597	0.013788	0.006144	-0.006403	-0.024593	0.031527	0.016749	0.0103	0.008108	-0.016372	-0.029892	-0.013565
297	-0.006839	-0.001547	-0.018391	-0.033971	-0.024608	0.01127	-0.009036	-0.035553	-0.023243	-0.004845	-0.004174	0.012037	0.007676	0.000723
298	0.004538	-0.050501	-0.019756	-0.015549	0.004264	-0.029159	-0.034862	0.001945	0.005484	-0.001783	0.010807	0.028514	0.030683	-0.01244
299	0.019838	0.002121	-0.015723	-0.040874	0.000051	-0.029948	-0.015647	0.039515	0.041828	0.015037	0.024971	0.001352	0.009027	0.014053
300	0.017298	0.012699	-0.039869	-0.029837	-0.018456	0.0313	0.043633	0.0094	0.014854	0.00304	0.009968	0.047	-0.000525	-0.031389
301	0.005813	-0.000151	-0.020473	0.008904	-0.003623	0.014865	-0.00506	-0.065631	-0.066935	0.043061	0.035257	-0.000677	-0.010457	0.001571
302	0.003647	0.009648	-0.014556	-0.008447	-0.025185	-0.003926	0.027489	-0.043397	-0.043252	0.011106	-0.000758	-0.015974	-0.036067	0.023376
303	0.008719	-0.030504	-0.022577	-0.016164	0.000366	-0.059735	-0.036091	0.050625	0.031171	0.001107	-0.007217	-0.003033	0.029303	0.038456
304	-0.012024	-0.002629	0.009867	-0.048739	-0.002747	0.023981	-0.026145	0.048196	0.058853	-0.002546	-0.011979	-0.036845	0.024429	0.020723
305	0.058226	0.043603	0.00463	0.014746	-0.043591	-0.032297	-0.02583	-0.014809	-0.008977	0.006024	0.000767	0.037464	-0.010706	0.033345
306	0.009022	0.030653	-0.003568	-0.01316	-0.05962	0.027571	0.004554	-0.025151	0.015083	0.031074	0.045293	0.082724	0.043168	-0.012109
307	-0.011871	-0.04699	-0.017761	-0.019685	-0.011844	-0.043397	0.023473	-0.042683	-0.043713	-0.025803	-0.026742	-0.048161	-0.012931	-0.006482
308	-0.003343	-0.005977	-0.016512	-0.005808	0.005517	-0.006878	-0.017257	0.000038	-0.034445	0.030808	-0.00141	-0.011472	0.008767	-0.008251
309	0.00196	-0.009134	-0.019647	-0.006398	0.012432	-0.026769	-0.012215	0.020191	-0.001637	0.015793	-0.021576	-0.001807	0.002873	-0.008912
310	0.025018	0.006095	0.012495	0.01347	0.024649	-0.004313	0.009302	0.020575	-0.002076	0.039584	0.038386	0.037297	-0.005452	-0.014546
311	-0.007091	0.000294	-0.031409	-0.003688	0.017483	0.008109	0.006061	-0.0058	0.010557	0.016463	0.008658	0.02636	-0.018288	-0.001148
312	0.013727	-0.015482	0.037152	0.022179	-0.000552	0.016375	0.032569	0.026999	0.036815	-0.003122	-0.001322	0.016281	0.010535	0.003919
313	-0.030651	-0.004408	-0.00919	0.018821	-0.034386	-0.015591	0.049478	-0.020843	0.009767	0.006618	0.021255	0.061187	0.036278	0.035196
314	0.011873	0.013826	-0.002086	-0.002796	-0.015344	0.000164	-0.01648	0.01218	0.014435	-0.01026	-0.003138	0.007066	-0.001637	0.027537
315	0.008207	0.017623	-0.000876	0.01977	-0.006207	0.004993	-0.005226	0.031968	0.026255	-0.014575	-0.02116	-0.000029	-0.011662	0.004649
316	-0.001349	-0.021573	-0.005328	-0.09705	0.010206	0.015096	0.030111	0.004853	0.029135	-0.019206	-0.003383	0.016234	0.014086	0.019509
317	0.002995	-0.017882	-0.015115	0.037121	0.011713	-0.003417	-0.044594	-0.031511	-0.048544	0.005295	-0.012573	0.012593	-0.011637	-0.009716
318	-0.0362	-0.015518	0.044855	0.042167	0.042635	0.069951	-0.0004	0.003641	-0.011265	0.018728	0.032392	0.016943	0.024587	0.024189
319	-0.000383	0.007574	0.020515	0.023598	0.014534	0.023006	0.008566	0.001461	-0.014928	-0.043473	-0.04189	0.00587	0.015309	-0.006375
320	-0.02901	-0.005172	0.040067	0.071701	0.053583	0.032033	0.035093	-0.033457	-0.038839	-0.005475	0.015055	-0.037733	0.010272	0.007276
321	-0.01228	0.018494	-0.013628	-0.008476	-0.043743	-0.0322	0.026597	-0.0184	0.004085	-0.003663	0.008111	0.016688	-0.003913	-0.00708
322	0.01465	0.028658	-0.013019	-0.024324	-0.02242	0.01785	0.009416	0.005618	0.001017	0.010398	0.011686	-0.00704	-0.043693	-0.01999
323	0.064907	0.022647	0.031534	-0.005305	0.023208	0.021608	0.045074	-0.008161	0.003798	0.007757	0.023745	0.065466	0.018945	0.010552
324	0.021213	0.008287	-0.002193	0.052425	-0.017067	-0.01239	0.011033	-0.004909	-0.006387	0.014677	0.007599	-0.009348	-0.027372	0.042307
325	-0.000436	-0.007828	0.014154	-0.006989	0.002794	-0.017856	0.022733	0.009152	0.019295	0.000218	-0.004138	-0.006246	0.024013	-0.008662
326	0.045101	0.027004	-0.0028	-0.002371	-0.001533	0.024289	-0.036897	0.001638	0.029536	-0.03387	-0.034382	0.008722	-0.018944	-0.022069
327	0.001249	0.032709	-0.006024	0.036555	0.000264	0.016599	-0.006076	0.013441	-0.011448	-0.001077	0.010954	-0.014086	-0.00627	-0.031352
328	-0.018366	-0.044602	-0.007934	0.032624	0.02035	-0.029334	-0.030988	-0.000425	-0.041048	0.009001	-0.021505	0.029584	-0.008403	0.011597

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
329	0.015192	0.043691	-0.003783	0.034416	0.008505	0.040172	0.021082	-0.009926	-0.003561	-0.047544	-0.004158	0.011259	0.013651	-0.00808
330	-0.01357	0.000075	0.013624	0.003041	-0.044439	-0.036784	0.028638	-0.00814	0.009455	-0.029527	-0.010477	-0.013984	0.006858	0.023173
331	0.037079	0.005546	-0.004654	-0.019806	0.007708	-0.023853	-0.028978	0.031405	0.028215	-0.013623	-0.034395	-0.062406	-0.018441	-0.02361
332	-0.01598	0.011515	-0.034083	-0.034612	0.039974	-0.009501	0.013325	-0.01538	-0.015007	0.001237	0.017682	0.017153	0.006164	0.006721
333	-0.001553	-0.005652	-0.016027	0.001273	0.021595	0.012937	-0.000685	-0.02763	-0.043394	0.000714	-0.001573	-0.002056	-0.001254	-0.017958
334	0.0171	0.014753	0.017901	0.014848	0.034291	-0.01125	-0.010405	0.004155	0.004289	-0.02551	-0.013156	0.000917	0.021201	-0.011459
335	0.031983	-0.010845	-0.010368	-0.025155	-0.006536	-0.026042	-0.028354	-0.002523	-0.018289	-0.010819	-0.022583	-0.017803	0.014287	0.003969
336	0.000901	0.050107	0.069563	-0.049601	-0.002358	0.039367	-0.049677	0.000134	0.038112	-0.041964	-0.024435	-0.031683	-0.009967	0.024585
337	0.004958	0.014937	-0.005916	0.003084	-0.033571	-0.022562	0.01684	-0.016655	-0.010278	0.014114	0.021658	0.009948	0.016918	-0.011836
338	0.031176	0.006727	-0.025881	0.030347	-0.046464	-0.079918	-0.021376	-0.013557	0.004592	-0.018666	-0.02171	-0.019532	-0.026817	-0.01914
339	0.019533	0.026567	-0.048736	0.028283	0.006353	0.056849	0.033795	-0.005718	0.005579	-0.015352	-0.01368	-0.012702	0.022422	-0.016647
340	-0.0235	-0.012897	0.000327	-0.00108	-0.024281	0.012497	0.020488	0.008988	0.025283	-0.014776	-0.009115	0.009734	0.049855	-0.002871

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
1	0.014763	-0.024219	-0.019053	0.030815	0.019146	-0.018122	0.061559	-0.02703	0.042228	-0.020373	0.059734	0.037442	0.027359	0.017498
2	0.048955	0.068052	-0.041869	-0.047608	-0.045113	-0.045602	-0.065461	0.002831	-0.012348	-0.040572	-0.053465	-0.007266	-0.086123	-0.019083
3	0.031275	0.002805	-0.054891	-0.049135	-0.045712	-0.003345	0.033197	-0.074256	-0.071089	-0.063539	-0.053536	-0.082184	-0.053113	-0.091742
4	-0.020457	-0.067472	-0.042206	-0.065297	0.035631	-0.022976	-0.028905	-0.000868	-0.017501	-0.073884	0.041225	0.020884	0.088704	-0.031146
5	-0.036409	-0.021223	-0.044958	0.015311	-0.019013	-0.0096	0.014074	0.020674	-0.038534	-0.007504	-0.002635	-0.001913	-0.015354	-0.068842
6	-0.009396	0.015885	-0.050037	0.022596	0.007975	0.077518	-0.022336	-0.031554	-0.053624	-0.033349	-0.011436	-0.017939	-0.063207	-0.072273
7	0.001331	0.010863	0.043857	0.067956	0.021718	-0.031924	0.02571	-0.007857	-0.033707	-0.012096	0.05065	0.021239	-0.019221	0.013158
8	0.021489	-0.001677	0.063098	0.039861	0.032537	0.039542	0.052577	-0.058974	0.08477	0.009371	0.021895	0.044713	-0.005927	0.030665
9	-0.006221	0.004145	0.007654	0.002959	-0.067842	0.03219	0.013973	0.087037	0.026914	-0.044307	0.041813	-0.011098	0.007973	0.030129
10	0.007146	-0.050825	-0.010502	0.035431	-0.021569	-0.005816	-0.030468	0.040753	0.009317	0.148373	-0.015712	0.051486	0.081614	0.03169
11	-0.0592	-0.043776	0.010658	0.009499	0.016285	-0.02093	0.033273	0.040302	0.01312	0.01115	0.007632	-0.004789	0.047288	0.055049
12	-0.000946	-0.000389	0.002666	-0.005899	0.011316	-0.006963	-0.024672	0.005731	0.000292	-0.037173	-0.0189	-0.03848	-0.00632	0.018938
13	-0.031911	-0.01346	-0.127292	-0.020555	-0.025406	-0.02057	-0.049832	-0.056582	-0.072635	-0.044476	-0.049068	0.029531	0.014249	0.01274
14	0.025689	0.057604	0.026402	-0.06844	0.096706	0.04295	0.096432	-0.047743	-0.006763	0.044914	0.085597	0.031518	-0.03277	-0.045043
15	0.027564	0.050068	-0.042169	0.015195	-0.002253	0.145124	0.056625	0.182336	0.102536	0.035164	0.110038	0.102378	0.059656	0.097026
16	0.004571	-0.013145	-0.004984	-0.020718	-0.009458	-0.001728	0.011828	-0.024897	0.028307	-0.000393	-0.047393	0.00557	0.007884	0.033228
17	0.022384	0.001542	0.082137	-0.037033	0.03067	0.006295	0.022792	0.028703	0.074479	-0.004305	0.02477	-0.011894	0.029347	0.058632
18	0.006053	-0.03264	-0.06892	-0.027345	-0.05315	-0.084922	0.006561	0.044616	0.035281	0.091351	-0.030177	-0.043505	0.02547	-0.00069
19	0.02476	0.049721	0.029594	0.024858	0.024069	0.008609	-0.005613	0.039204	0.008764	0.022084	0.042435	0.067932	0.06913	0.017964
20	0.012613	0.009093	0.043929	0.003657	0.001579	-0.003475	0.055359	-0.071108	-0.130491	0.028896	0.007529	0.002205	-0.128502	-0.017069
21	-0.07756	-0.086359	0.015099	-0.098523	-0.039336	-0.081321	-0.064304	-0.024325	-0.036107	-0.023463	0.013612	-0.036733	-0.026687	0.0084
22	-0.015185	-0.028477	-0.011869	0.020685	0.031146	-0.008454	0.06931	0.037497	0.069334	-0.044637	-0.009106	-0.052929	0.045921	0.029166
23	-0.015502	-0.045233	0.033518	-0.012267	-0.019147	-0.034549	0.041415	-0.078714	0.039402	-0.058248	0.001773	0.010209	-0.017463	0.031383
24	0.026781	0.020922	0.037824	0.030123	0.070456	0.077677	0.035979	0.038507	0.044936	0.032919	-0.008875	0.032288	0.052551	0.054128
25	-0.005181	-0.032227	-0.006054	0.028915	-0.037365	0.0608	-0.067672	-0.187023	-0.036987	-0.136234	-0.012698	0.010099	0.014065	-0.067241
26	-0.067607	-0.062264	0.052025	0.042587	0.006561	-0.021648	0.005071	-0.053301	0.058794	-0.060707	-0.003017	-0.029734	-0.016093	0.032692
27	-0.029008	0.046552	-0.030218	0.033785	-0.062469	-0.005869	0.018792	-0.068485	-0.053154	0.030637	-0.006105	0.014964	0.02795	-0.003663
28	0.042679	0.034482	0.026066	-0.001215	0.018109	0.011013	-0.019582	0.022575	-0.034994	-0.015885	-0.045591	-0.030362	0.03821	0.027776
29	-0.029159	-0.035583	0.067804	0.010137	0.063349	0.051665	0.047121	-0.033567	0.027935	-0.042112	0.078293	0.030913	0.056392	0.114997
30	0.102363	0.098991	-0.038014	-0.000353	-0.050382	0.025331	-0.08145	0.044401	-0.094235	-0.041304	-0.059823	-0.052934	0.067557	0.024427
31	0.02614	0.005495	0.027936	-0.020706	-0.073512	-0.146293	-0.039491	0.058049	-0.083042	-0.064874	0.05676	0.025117	-0.064276	-0.10206
32	-0.083157	-0.047637	0.039018	-0.020203	0.02705	0.013308	-0.01553	-0.043267	0.041615	0.060707	0.01105	0.004387	0.045422	0.055443
33	0.070856	0.066898	0.047883	-0.020188	0.04119	-0.074382	0.076951	0.014623	0.075174	0.178491	-0.015147	-0.07549	0.001059	0.007855
34	0.067292	0.061368	-0.12386	-0.014998	-0.021294	0.093008	-0.01286	0.159984	-0.075607	0.079823	-0.077797	-0.010924	-0.072638	-0.036094
35	-0.026545	0.022338	-0.037158	-0.035643	0.025772	0.040319	0.063391	-0.020219	-0.028989	-0.066263	-0.039562	-0.031402	-0.006873	-0.077316
36	0.020773	0.018587	-0.039533	0.000793	-0.066272	-0.04726	-0.089461	-0.017759	-0.003094	-0.095765	0.028047	-0.029637	0.018939	-0.035397
37	0.00182	-0.026147	0.127525	-0.038035	0.062832	0.036147	-0.017883	0.031568	0.016194	-0.054072	-0.053117	-0.066877	-0.049159	0.014223
38	0.03314	0.07515	0.030486	-0.038013	-0.023741	-0.031032	-0.039491	0.050482	-0.009628	0.004514	0.029407	0.000183	0.033308	-0.009465
39	-0.037917	-0.022202	-0.017643	0.028046	0.052702	0.001884	0.006381	0.002588	0.026987	0.01145	0.010008	0.024445	-0.045623	-0.049625
40	0.024623	0.018081	-0.10127	-0.0525	-0.016324	-0.00624	-0.049921	-0.014427	0.014247	0.01632	0.00373	0.016905	0.043198	0.044411
41	-0.021061	-0.021668	-0.029813	0.013279	0.043781	-0.020595	0.043404	-0.048332	-0.048176	-0.010585	0.015965	0.021832	0.030331	0.019261

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
42	-0.096361	-0.043402	-0.017957	-0.039904	-0.006228	-0.030926	0.001814	-0.122279	-0.035813	0.124168	-0.04112	-0.080392	-0.036275	-0.009358
43	0.001345	0.015301	0.137766	0.04809	-0.022498	0.012573	0.023699	-0.098821	0.007905	-0.064763	0.023761	0.001682	0.01848	0.031842
44	0.009275	0.016972	0.001537	0.026031	0.008688	0.078438	-0.000043	-0.124748	-0.036792	-0.019773	0.003254	0.082802	-0.060384	-0.059125
45	0.031964	0.023315	0.076715	0.047183	-0.015415	0.041178	0.040238	0.079096	0.077677	-0.001582	0.008224	0.011095	-0.0001	-0.028083
46	0.012325	0.016374	-0.061068	-0.063523	-0.005125	-0.05987	-0.010079	-0.037206	0.025645	0.013532	0.00085	0.011284	0.041624	0.022548
47	-0.007788	0.005172	-0.084287	0.128023	0.056246	0.093384	0.061047	-0.009927	-0.01116	-0.001363	-0.020321	-0.041092	0.008069	-0.044792
48	0.043553	0.000417	-0.008803	-0.011384	-0.038609	0.026282	-0.057393	0.137957	0.000269	0.035124	0.035601	0.05638	0.039431	0.05701
49	-0.012102	-0.008495	0.051154	0.001354	0.054075	-0.031719	0.07043	-0.03576	-0.001825	-0.033319	0.059246	0.024868	-0.057495	-0.00567
50	0.003602	-0.022119	0.00682	0.021391	0.052576	0.033783	0.020606	0.00324	0.02949	0.122176	0.047262	0.005527	-0.035043	-0.060114
51	-0.008222	-0.035877	0.003873	0.033974	-0.016999	0.013335	0.029882	0.043952	0.027818	0.026058	0.043402	0.038323	0.056153	0.025613
52	0.043069	0.08432	0.127165	0.128662	0.126022	0.076766	0.076284	0.098614	0.021599	0.010004	0.105352	0.03319	0.006292	-0.010127
53	-0.040416	-0.072569	0.04553	-0.016539	-0.003757	0.016826	0.034311	-0.049344	-0.02896	0.001825	-0.00943	0.002957	-0.022908	0.007927
54	-0.026711	-0.026066	-0.043813	-0.059429	-0.109861	-0.075376	-0.068725	0.125696	-0.014534	-0.006252	-0.078957	-0.096929	0.033563	-0.079757
55	0.058606	0.026187	-0.064906	-0.049155	-0.002733	-0.067857	-0.07762	0.006841	-0.027922	0.036081	-0.038938	-0.092252	-0.043928	-0.026284
56	0.021936	0.010445	0.031015	0.028708	0.100377	0.066131	0.013681	-0.10096	-0.028867	0.003944	0.000744	0.059664	-0.053382	0.066804
57	-0.035319	-0.029423	-0.027396	0.017524	0.015143	0.011407	0.025523	-0.030574	-0.021533	0.03146	0.023434	0.029365	-0.008452	0.023087
58	-0.050367	-0.057528	-0.032413	0.007048	0.024233	0.022422	-0.039189	0.038246	-0.034363	0.001799	-0.06541	-0.031318	-0.066278	-0.07376
59	-0.003721	0.038542	0.024529	-0.00938	-0.06095	0.010102	0.008033	0.020809	0.012646	0.024838	-0.036231	-0.068259	-0.067657	-0.043229
60	0.003692	0.080734	0.00887	-0.017339	0.005901	-0.004468	0.119218	-0.021714	-0.020268	-0.000739	0.007515	-0.005121	-0.016721	0.033299
61	-0.05228	-0.07433	0.037031	-0.005197	0.007813	-0.044632	0.043903	0.044476	0.010809	0.006268	0.058854	0.010505	-0.013698	-0.073833
62	0.015215	0.015216	0.078208	0.030328	-0.006135	-0.036725	0.001204	-0.048395	0.051033	-0.064003	0.065327	0.021706	0.084474	0.029329
63	-0.033307	-0.031808	0.009841	0.065975	0.022588	-0.035527	0.015163	-0.043748	-0.024897	0.072004	-0.041316	-0.020688	-0.026553	0.004376
64	0.012815	0.00434	0.002262	0.010587	0.01548	-0.015808	0.006585	-0.030621	0.013452	0.0118	0.004332	-0.024011	0.007963	0.029606
65	0.007948	0.017548	0.098679	0.096831	0.037392	0.018896	0.017467	-0.077011	-0.000248	0.116269	-0.027106	0.037586	-0.059184	-0.055734
66	0.003931	0.034855	-0.107422	0.030799	-0.036478	-0.075152	-0.024737	-0.036065	0.055081	-0.055376	-0.03078	0.048305	0.109144	0.113691
67	0.029909	-0.001617	0.031408	-0.008035	0.057423	0.04447	0.056355	0.066661	0.071419	-0.022672	0.033076	-0.034269	-0.009097	-0.013126
68	0.015473	0.029372	-0.050989	-0.010181	0.0188	0.090436	-0.005379	-0.019362	-0.011027	-0.034096	-0.02027	0.00265	0.032936	-0.021513
69	0.066955	0.076245	0.033771	-0.015147	-0.071594	-0.040314	-0.051747	-0.084974	-0.014582	0.029496	-0.055814	-0.03662	-0.044552	-0.134923
70	-0.106217	-0.050018	-0.017116	-0.050092	-0.065384	-0.09635	-0.002626	0.043137	-0.037512	-0.011398	-0.082634	-0.053837	-0.094445	-0.015881
71	-0.034214	0.001838	0.10595	-0.004278	-0.012132	-0.058815	-0.001231	0.137728	0.057556	0.090459	0.062284	0.035331	0.084599	-0.03859
72	0.015036	0.012457	-0.013175	0.001744	0.021112	0.008469	0.045858	-0.039592	-0.051002	-0.095205	0.033738	0.038606	-0.088935	-0.02197
73	0.04548	0.007049	0.101763	0.047628	0.032147	-0.008944	0.001888	0.050311	0.04212	-0.00125	-0.023268	0.048901	-0.016717	0.000669
74	-0.015593	0.013938	0.067502	0.035086	-0.020571	-0.013333	-0.037793	-0.023963	0.001873	-0.056372	0.016174	-0.029141	-0.024217	0.011942
75	0.066547	-0.001425	-0.035738	-0.1014	-0.025207	-0.083698	-0.014099	-0.019946	-0.03975	-0.000259	0.065522	0.051679	0.005	-0.042878
76	-0.002621	0.023484	-0.048397	-0.001232	-0.064617	-0.009073	-0.015269	-0.003965	0.001921	-0.011001	-0.025438	-0.073995	-0.02902	-0.033515
77	-0.021977	-0.054625	-0.0913	0.15327	-0.016107	0.166313	-0.073498	0.025994	0.029781	-0.121628	-0.016249	0.086812	0.134516	0.190717
78	-0.033613	-0.074701	0.097187	0.062899	0.072621	-0.040997	-0.00331	0.009635	0.028967	-0.046895	0.016516	0.046445	0.019976	0.030402
79	0.001004	-0.020205	0.083753	0.036539	0.049206	-0.005093	0.079612	0.024673	0.010868	0.108943	-0.010332	-0.057176	-0.072863	-0.001613
80	0.004131	0.037932	0.006014	-0.01337	0.000078	0.048008	-0.001659	-0.008887	0.020327	-0.080719	0.037429	-0.010641	0.025388	0.024705
81	0.002433	-0.003441	0.03377	0.062406	0.030181	0.013078	-0.016547	0.028497	-0.030053	-0.025868	0.015887	-0.049516	0.012813	-0.007928
82	-0.003618	0.046372	-0.072988	0.061643	0.029843	0.046982	0.008316	0.047995	0.04993	0.092921	0.035745	0.010326	0.137906	0.075666

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
83	0.024282	0.013817	0.029955	-0.051742	0.017134	0.016997	0.016279	0.014658	-0.063488	0.000762	-0.045253	-0.074057	-0.056382	-0.136178
84	-0.121694	-0.117833	-0.051611	0.079884	0.037826	0.075077	0.030958	-0.011262	-0.021435	-0.113636	0.062006	-0.000927	0.036089	-0.027445
85	-0.055546	-0.021727	-0.216701	-0.060046	-0.069456	0.152367	-0.019076	0.036183	-0.043216	0.012349	-0.012975	0.066557	0.003634	0.092988
86	0.000831	0.008067	0.080577	0.06689	0.049533	-0.033529	0.027972	-0.041342	0.021606	0.026427	-0.031871	-0.047422	0.04926	0.006194
87	0.067049	0.083984	-0.039051	-0.079048	0.003489	-0.039025	-0.040017	-0.094141	0.009156	-0.065899	-0.009763	-0.028817	-0.022461	-0.031625
88	-0.048694	-0.030556	-0.051127	-0.019232	0.02643	0.036263	0.050626	-0.022466	0.018653	-0.051225	0.002756	0.059427	-0.03829	-0.025887
89	0.059197	0.048283	-0.071412	0.017028	-0.024652	-0.069837	-0.059296	0.021081	-0.044794	0.014	-0.015028	0.083376	0.000129	-0.046026
90	-0.085473	-0.141664	0.00064	-0.080442	-0.078801	-0.033335	-0.032331	0.083214	0.085284	0.016745	-0.053307	0.000781	0.125385	0.02244
91	0.021739	0.028766	0.118361	0.026507	0.008956	-0.060289	-0.006512	-0.05591	0.06419	-0.092311	0.026216	-0.019117	-0.080476	-0.062478
92	0.002973	-0.007996	-0.022807	0.023093	-0.047235	0.000916	-0.070035	-0.002739	-0.035899	0.085202	-0.071869	0.045285	-0.0248	0.053468
93	0.000887	-0.014295	-0.004965	0.037456	0.019024	-0.011783	0.020178	-0.001406	0.019685	0.074074	-0.007546	0.014223	-0.001383	0.053488
94	0.062402	0.002783	-0.085619	-0.014439	0.014533	-0.005056	0.008704	0.038478	-0.016638	0.026493	0.014826	-0.055833	-0.011178	-0.108092
95	-0.108423	-0.064005	0.025222	0.035311	0.008726	-0.009804	-0.001634	-0.016322	-0.008779	0.003071	-0.023743	-0.048888	-0.053301	-0.062178
96	-0.008343	-0.052677	-0.022319	-0.058056	0.001659	0.028284	-0.014661	-0.019353	0.016144	-0.008161	-0.027609	-0.028979	0.0068	0.06546
97	-0.02606	-0.022845	-0.000491	-0.011451	0.003338	-0.007053	-0.049391	0.141803	-0.004509	0.268736	0.041115	0.035975	-0.030905	-0.075962
98	-0.010787	0.047073	-0.098689	-0.025181	0.084599	0.028508	0.088266	-0.096826	-0.020908	-0.002292	0.008103	-0.041628	-0.039276	-0.014833
99	-0.07988	-0.024053	-0.022687	0.000917	-0.007849	-0.003611	0.022885	-0.004923	-0.046048	0.095479	0.023615	0.043971	-0.032063	0.024374
100	-0.09244	-0.030395	0.026843	-0.012905	-0.035115	-0.020328	-0.009768	-0.116755	0.047081	-0.07051	-0.021997	0.039688	0.09308	0.07846
101	0.067222	0.007357	0.029103	-0.051758	0.037349	0.003896	0.040465	0.060191	-0.031259	-0.072308	0.01739	0.004792	-0.005701	-0.013629
102	0.053255	0.055552	-0.038133	-0.008119	0.018723	-0.036259	0.039904	-0.102701	-0.028518	0.054546	-0.001902	-0.00811	-0.012483	0.019261
103	0.036153	0.017121	0.033792	0.005352	-0.009938	0.02158	-0.041583	-0.010002	0.023987	-0.056428	0.029393	0.036753	-0.029852	-0.0033
104	0.008802	-0.006442	-0.043298	0.048004	-0.011787	0.017234	0.021969	0.026991	-0.032385	0.077309	-0.000424	0.005126	-0.017017	-0.037463
105	-0.038177	-0.055731	-0.047364	0.025555	-0.007191	-0.041679	-0.040512	-0.031168	0.001928	0.08534	0.016616	0.074406	-0.005474	-0.044265
106	-0.053602	-0.050698	0.071232	-0.02875	-0.025506	-0.046197	-0.067408	-0.105995	-0.022124	-0.085294	0.039038	0.018202	0.003261	0.002597
107	0.015434	0.044842	-0.034671	0.04436	-0.034398	0.017333	-0.055965	0.02804	0.052964	-0.035278	-0.046169	-0.038358	0.028816	-0.053924
108	0.03632	-0.002561	0.000503	-0.007278	0.026986	-0.052637	0.016898	-0.034624	0.033391	0.012324	-0.024035	0.033035	-0.001411	-0.013649
109	0.006922	0.024462	0.023609	0.012108	0.042709	-0.021484	-0.01393	-0.060048	0.002461	-0.077257	0.02448	0.012917	0.024756	0.000886
110	-0.015794	-0.012254	0.007302	0.032339	0.015562	0.029567	0.011244	0.003817	-0.010082	0.039278	0.011937	-0.026198	-0.040445	-0.068443
111	-0.049452	-0.03871	-0.056577	-0.059695	-0.036412	0.036899	-0.082479	0.016617	-0.035982	0.089389	-0.020053	-0.004011	0.053473	0.002129
112	-0.029556	-0.008732	0.004494	0.025082	0.009065	0.040004	-0.023579	0.022309	-0.049903	-0.010832	0.007572	-0.018216	0.029524	0.015579
113	-0.004692	-0.007731	-0.00559	-0.014203	-0.012757	0.0056	-0.024516	0.043042	-0.040271	-0.090187	0.020635	0.067371	-0.025761	-0.024011
114	0.022168	0.023952	-0.040399	-0.045394	0.046835	0.06059	0.085092	-0.003053	-0.024049	0.073285	-0.003174	0.008578	-0.015207	-0.014529
115	0.03223	0.038421	-0.042546	-0.013068	-0.031727	0.100944	-0.065763	-0.030926	-0.001794	0.02933	0.027824	-0.014552	-0.007504	0.027371
116	-0.01356	-0.01633	-0.037245	-0.030647	0.033876	0.041572	0.049526	0.027451	-0.013022	0.015784	-0.023699	0.027046	-0.012988	0.015812
117	0.137123	0.215717	-0.013558	0.043594	-0.078855	-0.043668	-0.054885	0.022932	-0.03236	0.060391	-0.010717	0.027248	0.065854	0.049894
118	-0.046503	-0.003845	-0.00439	0.054429	0.01921	-0.005276	-0.02435	-0.0131	-0.010287	-0.002303	0.030347	0.05717	-0.030809	-0.028334
119	-0.007887	-0.040431	-0.025384	-0.001279	-0.007036	-0.022833	-0.033011	-0.044065	0.01168	0.026493	0.022283	0.005616	0.070028	-0.007247
120	-0.0874	-0.14837	-0.079264	-0.034995	0.044932	0.041271	0.020141	-0.032009	-0.037834	-0.053426	0.004928	0.062366	-0.050286	-0.026134
121	0.018498	-0.050834	0.02425	0.047405	0.026946	-0.00844	0.015962	0.033274	0.075111	-0.112717	0.067352	0.011576	-0.01082	-0.077639
122	-0.006198	-0.068226	0.019675	-0.08499	0.015995	-0.045752	0.022485	0.101345	-0.032062	0.024272	0.022065	-0.030943	0.016506	-0.038604
123	0.034769	0.092522	0.011825	0.017226	-0.042398	-0.034451	0.025032	-0.056631	0.029162	-0.000581	0.044077	0.040236	0.018053	0.049862

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
124	0.044053	0.01924	0.023731	-0.003387	0.000877	0.111977	-0.005756	0.00588	-0.117149	-0.069718	-0.029783	-0.067677	-0.048503	-0.011298
125	0.046141	0.013807	-0.024519	-0.018262	0.023172	-0.071082	0.015007	0.005814	-0.017131	-0.018784	-0.066981	-0.014356	-0.030564	0.053545
126	0.038245	-0.004429	0.038832	0.021769	0.080318	0.031906	0.073273	-0.030832	0.06597	-0.011181	0.032875	-0.090868	0.005069	0.013115
127	0.032319	0.001492	-0.019418	0.062649	-0.023162	0.093052	-0.045751	-0.042096	-0.031862	0.034228	-0.0197	0.03658	-0.069507	-0.029702
128	-0.019803	-0.026501	-0.056371	-0.001547	-0.00962	0.053233	-0.001866	0.009553	-0.061896	-0.00768	-0.014612	0.021742	-0.057296	-0.084673
129	-0.017948	-0.000258	0.040605	0.012738	0.035064	-0.021434	0.047731	-0.038335	0.049911	0.006278	0.031682	0.030144	0.008432	-0.039278
130	0.040694	0.061172	0.042652	0.015694	-0.012488	-0.010149	-0.01971	0.01809	-0.014471	0.040462	-0.015601	-0.047271	0.012156	-0.021134
131	0.017183	0.017157	0.035882	-0.041239	0.0219	-0.001635	0.035211	-0.022999	0.016325	-0.057482	-0.03018	-0.001161	-0.0009	0.064134
132	0.008147	-0.004534	0.003934	0.046185	0.040728	0.057699	0.012024	-0.067401	0.018352	-0.044241	0.039582	0.053475	0.05417	-0.002787
133	-0.008026	0.007504	0.031975	-0.030645	-0.015286	-0.033086	-0.010284	0.060654	-0.081342	0.054143	0.03211	0.032827	-0.019944	0.050339
134	-0.0139	0.009123	0.064766	-0.028122	0.000299	0.003089	0.003295	-0.002237	0.034039	-0.043553	0.060741	0.014413	0.057137	0.051877
135	0.023481	0.014839	0.007868	-0.078166	0.007464	0.010253	0.039235	-0.02502	0.034984	-0.087981	0.044688	0.047176	0.00223	0.010256
136	0.019735	0.006587	0.000237	0.033472	0.077999	0.038895	-0.017759	0.021805	0.00295	0.049637	0.01591	0.013507	-0.012402	-0.03152
137	-0.034735	-0.007439	0.010551	0.054909	-0.017551	-0.030098	-0.013294	-0.079533	0.031728	0.099511	-0.004955	-0.027611	0.047762	0.051392
138	0.017804	0.025721	-0.018093	0.046327	-0.022669	-0.000766	0.022586	-0.062099	-0.050865	-0.004347	0.016003	-0.042447	-0.05416	0.039045
139	0.007695	0.039559	0.015903	-0.026271	-0.027572	0.0169	0.002446	-0.003276	0.04571	-0.029682	0.007636	-0.081234	-0.004616	0.040045
140	-0.008817	-0.023419	0.009922	-0.050879	0.003584	-0.02897	-0.014997	-0.005816	-0.031096	-0.015215	-0.034782	-0.00288	0.001104	0.01634
141	-0.019856	0.024884	-0.024188	-0.079353	-0.033485	0.009013	-0.026838	0.042154	-0.011764	-0.006741	-0.063248	-0.038534	0.009227	0.037102
142	0.02053	0.004698	-0.018173	0.018793	0.029451	0.005326	-0.043295	-0.018766	-0.000187	0.01094	0.005469	0.047675	0.050795	-0.000142
143	0.010438	0.027622	0.013244	-0.012732	0.048864	0.041797	0.048726	-0.021854	-0.02985	0.054206	-0.016422	-0.005497	-0.040384	-0.045588
144	-0.001855	0.016472	-0.034751	0.017855	0.000792	-0.026689	0.004611	-0.019171	-0.007406	-0.066544	-0.007802	-0.019372	-0.007046	0.04662
145	0.00571	-0.045164	-0.01717	0.020118	0.015171	-0.011859	-0.001474	0.046192	0.040113	-0.050177	0.005432	0.014699	0.006634	0.002811
146	-0.02769	-0.008413	-0.007532	0.026363	-0.022758	-0.010867	-0.016363	-0.013158	0.029757	0.025188	0.001629	0.008044	0.049885	-0.019073
147	0.015299	-0.005877	-0.062045	-0.023084	0.000602	-0.03151	-0.044791	0.010958	0.000579	-0.05375	-0.023921	-0.039388	0.018057	-0.010357
148	-0.001751	-0.006412	-0.032282	0.040588	-0.019012	-0.004522	-0.003764	0.041576	-0.004154	-0.069831	0.005236	-0.028515	0.016065	-0.056144
149	0.022387	0.004575	0.046806	0.027798	0.046316	0.029854	0.040709	-0.024744	-0.024088	-0.047534	0.007203	-0.015933	-0.037393	-0.038654
150	-0.015791	-0.011243	0.003535	-0.00826	-0.030712	0.006216	0.026392	0.030646	0.009774	-0.006203	0.002417	-0.028131	0.023191	0.004574
151	-0.018336	-0.009876	0.013729	-0.004893	0.006968	0.01984	-0.01113	-0.032543	-0.017046	-0.044819	0.010492	-0.015565	0.010821	0.022593
152	-0.028572	-0.014983	-0.016861	0.01234	-0.002698	-0.000733	0.001134	0.029594	-0.021958	0.059618	0.00409	0.029147	0.022002	0.029189
153	-0.010562	0.008965	-0.038247	-0.011799	0.01447	0.006599	0.008025	0.033475	-0.027496	0.020928	0.024407	0.040119	0.016273	0.008315
154	0.036686	0.01917	-0.015818	0.03517	0.008457	-0.017374	-0.013667	-0.014841	0.012053	-0.007794	0.010834	-0.026235	0.007042	-0.022099
155	-0.030402	-0.006637	0.000384	-0.012413	-0.013098	-0.024056	0.03581	-0.053417	0.035808	-0.015722	0.017814	0.010215	0.006293	0.037385
156	0.036982	0.006084	0.001498	-0.011492	-0.007595	0.02256	-0.005302	0.059849	-0.00361	0.088543	0.020093	0.057332	0.014007	0.008501
157	-0.006919	-0.037086	0.059901	0.020323	0.031507	-0.016593	0.008518	-0.029263	0.032866	-0.021324	-0.017743	0.048859	-0.012368	0.074957
158	-0.019978	0.000695	0.009496	0.037673	0.006654	0.017897	0.013898	0.012321	0.023443	0.030096	-0.010268	-0.008338	-0.037344	0.028974
159	0.01492	0.021916	-0.00812	-0.013537	-0.007115	0.031673	-0.027866	0.011134	0.008739	0.003363	-0.020735	-0.022037	-0.004413	0.055856
160	0.006878	-0.005226	0.039653	-0.003389	0.026207	-0.057711	0.000162	0.013421	0.050746	-0.049062	-0.020643	-0.005354	0.0255	0.048944
161	0.010263	-0.01987	-0.026333	0.003216	-0.017726	0.013893	0.015399	0.003718	0.019586	0.021166	0.008257	-0.004126	0.032544	-0.000148
162	0.042218	0.069898	0.036037	0.024232	0.022141	-0.02231	-0.007597	-0.041461	0.001819	0.064124	0.021699	0.012108	-0.013496	-0.00382
163	-0.016253	-0.00655	-0.002472	-0.072029	0.00485	-0.008664	-0.005175	0.043964	-0.002154	-0.045412	0.001906	0.002022	-0.020254	-0.0006
164	-0.038067	-0.006435	0.03403	-0.019813	-0.050453	0.052326	0.001606	0.007407	-0.019135	0.036193	-0.05622	-0.029621	-0.016682	-0.046015

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
165	0.039872	0.032956	-0.031029	0.040239	-0.04032	0.016241	-0.023724	0.030283	-0.057074	-0.08888	-0.023011	-0.036867	-0.025647	-0.021357
166	-0.027558	0.014291	0.014506	0.02613	0.007861	0.01523	-0.000373	0.041693	-0.007757	0.063851	0.022068	-0.014994	0.036986	-0.008531
167	-0.030379	-0.034285	-0.045319	0.00962	-0.062593	-0.04496	0.003865	0.042155	0.037955	0.047	-0.026706	-0.029009	0.019631	0.035688
168	0.016761	-0.012316	0.046599	-0.008506	0.0148	-0.04247	0.017952	0.050597	-0.011448	0.015353	0.016799	-0.022677	-0.00653	-0.006215
169	-0.022199	-0.015575	-0.004859	-0.034473	-0.014706	0.006199	-0.005196	0.001649	-0.030653	0.001238	-0.003655	0.002045	-0.031624	-0.033459
170	-0.009367	-0.009227	-0.005572	0.014019	0.014857	0.051588	0.023174	0.019823	-0.034018	-0.01593	0.020613	-0.013405	-0.012642	-0.005657
171	-0.014795	0.012911	-0.021795	-0.002952	-0.015847	-0.001755	-0.003258	-0.022344	-0.01568	0.03419	-0.020001	0.016317	0.004756	0.017658
172	-0.009824	0.004321	-0.03128	-0.041724	-0.03208	0.022825	-0.018323	-0.024894	0.000222	-0.021802	-0.018355	0.017428	-0.004543	-0.016478
173	-0.008228	0.000512	-0.055147	-0.00876	0.006211	-0.006847	-0.016737	-0.009688	-0.017717	0.013627	-0.028733	-0.021277	0.02168	0.000979
174	-0.002029	0.020605	0.004167	-0.038543	-0.0314	-0.061457	-0.052395	-0.008626	-0.033783	0.005721	-0.027737	0.014656	-0.009366	-0.031774
175	-0.018809	-0.016319	-0.019351	0.045078	-0.003434	-0.011455	-0.000198	0.029737	-0.003614	0.057015	0.011342	0.00473	-0.042624	-0.049374
176	0.000925	0.004758	0.049288	-0.002345	-0.001891	0.0258	0.021668	0.035132	0.065778	0.03649	0.012521	0.050491	-0.009537	0.037145
177	-0.044199	-0.046198	-0.010376	0.016187	0.017787	-0.009418	0.023603	-0.028501	-0.006142	0.00507	0.069805	0.024391	0.010083	0.021571
178	0.004546	-0.010299	-0.009303	-0.024943	0.009785	-0.005484	-0.006942	-0.016542	-0.002924	-0.027667	-0.00631	-0.015659	-0.035352	-0.050695
179	0.013911	0.027246	-0.009728	0.041979	-0.021457	-0.003181	-0.014323	0.002721	-0.002603	0.04347	-0.000433	0.017183	-0.003463	-0.022525
180	0.01511	-0.01919	0.016922	0.015781	0.003117	-0.019729	-0.027805	0.039441	0.019368	-0.007628	0.010086	0.031076	0.023166	-0.003358
181	0.02747	0.028157	0.015525	0.021804	-0.006245	-0.032867	-0.020754	0.005392	0.01167	0.021009	0.012798	0.024112	0.019634	0.003743
182	0.03485	0.028133	0.003047	0.051038	0.038513	0.022227	0.036725	0.004817	-0.000569	0.038132	0.021501	-0.015345	-0.008413	-0.025646
183	0.020226	0.021898	-0.001214	0.047596	0.007809	0.00503	0.02594	-0.018095	0.001822	0.055488	-0.014661	-0.022154	-0.00857	0.006735
184	-0.0146	-0.017094	0.000147	-0.012554	0.027906	0.016944	-0.008453	0.008725	-0.021212	0.009144	-0.015524	-0.02444	0.033179	-0.01417
185	-0.022878	-0.026867	0.078738	-0.000306	0.000381	-0.000879	0.008457	-0.002479	0.07464	-0.026023	-0.0176	0.020515	-0.006088	-0.004267
186	-0.001648	-0.00079	0.05397	-0.020308	-0.02487	-0.027922	0.019931	-0.021671	0.005328	0.027443	-0.015964	0.023142	0.018282	0.066894
187	0.002097	-0.012673	-0.021585	-0.018278	0.016831	0.014913	0.032927	0.073732	0.015317	0.013978	0.013611	-0.020695	-0.01063	-0.015594
188	0.004308	0.001502	-0.008207	0.00075	-0.0045	-0.000931	-0.003913	-0.001488	-0.009787	-0.0498	0.028253	0.020357	-0.013768	-0.028345
189	0.025516	0.024974	0.005508	0.003696	0.00535	0.001513	-0.013394	-0.0463	-0.003657	-0.067661	0.002765	0.003697	-0.00935	0.010264
190	0.000364	0.001783	0.005384	-0.002989	-0.005961	-0.049395	-0.035174	-0.049102	-0.034278	-0.032862	0.007946	0.036635	-0.0165	0.021419
191	-0.007531	-0.025717	-0.03169	-0.016347	-0.022698	0.005995	-0.023214	-0.01969	-0.041168	-0.035715	0.02137	0.044565	0.012201	-0.034414
192	-0.025845	0.009609	0.026555	0.039184	-0.01746	0.001535	-0.003927	-0.008551	-0.025266	0.051393	0.015448	0.00846	0.008143	-0.012152
193	-0.034931	-0.034712	-0.050203	0.004002	0.01112	0.05248	0.035897	0.034058	-0.011874	0.0014	0.024293	0.009581	0.00125	-0.024223
194	-0.04213	-0.072898	-0.032344	0.026905	0.002157	0.005863	-0.006991	0.008185	0.009108	-0.007159	0.01057	-0.017808	0.059233	0.001109
195	0.024902	0.00435	0.03588	0.016811	0.023775	-0.022828	0.004789	0.025703	0.015453	0.050421	0.00984	-0.022452	0.005824	0.005928
196	0.011379	-0.007346	0.03253	0.033047	0.03221	0.001303	0.012465	0.016333	-0.0172	0.014118	0.004041	-0.004102	-0.013316	-0.070589
197	0.002213	0.004487	0.028825	-0.023497	-0.012938	-0.014253	-0.003175	0.034362	-0.012144	-0.035914	0.005144	0.011772	0.029691	-0.023431
198	0.025033	0.022434	0.024687	-0.018413	0.042633	0.01956	0.026868	0.015597	0.022517	-0.021992	0.011001	-0.043351	0.006819	0.034946
199	0.031492	0.039405	0.026239	-0.000974	0.019228	0.008676	0.033335	-0.028724	0.032608	-0.018381	0.039341	0.038849	0.012224	0.064945
200	0.026196	0.026949	0.002181	-0.044699	-0.002308	0.030627	0.030005	-0.024634	0.045053	0.003148	-0.010752	0.00051	-0.03207	0.008904
201	0.015135	0.028087	0.028341	0.005835	0.001159	0.009076	-0.007195	-0.006217	-0.004833	-0.023812	0.013517	0.014943	0.006991	-0.020156
202	0.009911	0.00781	-0.004766	0.016465	0.020631	0.036285	-0.002749	0.043232	0.015169	0.039016	0.007267	-0.000754	0.00383	-0.046675
203	-0.019075	-0.003255	0.01595	0.012691	0.00384	-0.046418	0.004938	0.019565	-0.015345	0.012931	-0.034444	-0.012346	0.008069	0.04474
204	-0.02568	-0.000322	-0.045063	0.046545	-0.016501	0.00108	0.001561	0.029053	-0.017177	0.00592	-0.007928	0.003501	0.018848	0.058875
205	0.015736	-0.015681	0.033723	-0.019354	0.001121	-0.022857	0.016112	0.003407	0.03785	-0.055557	-0.004246	-0.00141	0.002125	0.008659

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
206	0.03077	0.01973	-0.014732	-0.022377	-0.000306	0.013663	-0.01191	0.0342	0.000561	-0.054116	-0.023361	-0.001104	0.061034	-0.01735
207	-0.016646	-0.031403	0.019624	0.021711	0.013208	-0.037572	-0.012158	-0.029744	0.046245	0.032817	-0.004033	0.019028	0.051249	-0.024352
208	-0.024101	-0.015894	-0.018012	0.00293	-0.006677	-0.027799	-0.030407	-0.009915	0.007583	0.027104	-0.023634	-0.049773	-0.001426	-0.058417
209	-0.019366	-0.020575	0.008464	-0.039435	0.012724	0.010362	-0.007256	-0.005628	0.023425	-0.028874	0.007813	0.024042	0.033481	-0.028273
210	0.007858	-0.003292	-0.008503	-0.012476	0.03289	0.010423	0.017548	0.022391	0.015109	0.024393	0.031075	-0.002711	-0.004758	0.014893
211	-0.016518	-0.026551	-0.017176	-0.013012	-0.011529	0.03511	0.003371	-0.061516	0.02992	-0.037861	0.007256	0.023449	0.011157	0.018874
212	-0.016993	0.000188	-0.060669	0.011893	0.008873	-0.005103	0.002801	0.001903	-0.023721	-0.012284	-0.006988	-0.028068	0.001288	0.003715
213	0.020217	0.02688	-0.000019	0.010866	0.047889	0.002954	0.042144	-0.026606	0.047341	-0.015068	0.018436	0.008068	-0.039211	0.010165
214	0.013139	0.012875	0.024038	0.045576	-0.026776	0.014767	-0.032099	-0.03707	-0.017781	-0.012397	-0.015808	0.014925	-0.01121	-0.018895
215	0.019968	0.000365	-0.060362	0.017766	0.057242	0.087361	0.080787	-0.018711	-0.012718	-0.007448	0.005871	-0.03844	-0.087426	-0.050713
216	0.010104	0.024168	0.000398	0.003426	0.050092	0.020169	0.032358	0.043886	0.033595	-0.002045	0.014518	-0.035797	0.034003	0.048063
217	0.002439	0.003197	0.040155	0.016952	0.018752	0.005939	-0.003377	-0.031861	0.013224	-0.006319	0.011455	-0.036462	-0.052928	-0.049252
218	-0.001561	0.005526	-0.038874	-0.013879	-0.019715	0.006262	-0.022566	0.037505	-0.000636	0.014694	0.0257	0.007034	0.027338	-0.008441
219	0.010806	0.02401	0.002572	-0.006563	0.010586	0.042388	0.018557	0.017477	0.006957	0.044729	0.007552	-0.020901	-0.020633	-0.003791
220	0.011568	0.014474	0.039981	0.047468	0.031206	-0.033509	0.003538	0.025	0.016642	0.054069	-0.012673	-0.026897	0.020609	-0.014998
221	0.031344	0.02414	-0.014219	0.004351	0.016165	-0.002184	0.016951	-0.001135	0.018847	0.032827	-0.000243	-0.012363	-0.018613	-0.024644
222	0.021604	0.020961	-0.018209	-0.016181	-0.005721	-0.044878	-0.01772	-0.007689	-0.011434	0.013255	-0.024823	-0.033497	0.005661	0.004451
223	0.01891	0.018521	-0.050648	0.001209	-0.012974	-0.034428	-0.011974	0.013855	-0.036748	-0.011126	-0.026699	-0.028717	-0.027445	0.007489
224	-0.018229	-0.020324	0.03783	-0.033509	-0.002317	-0.007094	-0.017332	0.042199	-0.003436	-0.002871	0.006474	0.015204	-0.015706	0.013282
225	-0.017587	-0.010301	0.0325	-0.029308	0.016336	0.002985	0.003693	0.008672	-0.013265	-0.028132	0.013442	0.009743	-0.016453	0.016537
226	0.036965	0.04483	-0.011037	-0.006213	0.03379	0.007903	0.060403	0.003038	0.011813	-0.006109	0.026634	0.001342	-0.022784	-0.020828
227	0.026655	0.040005	0.016509	-0.022584	0.001738	-0.043563	0.01701	-0.0396	0.01097	0.008098	-0.01096	-0.036291	-0.003665	0.017635
228	-0.01845	-0.011066	-0.001049	-0.000939	-0.003293	-0.020127	0.030446	0.009265	0.033762	0.016416	0.030076	0.008859	0.0242	-0.018782
229	-0.004035	-0.00229	0.003102	0.029475	-0.020262	0.035204	-0.062622	-0.018713	-0.02316	-0.010579	-0.014956	0.000127	-0.00716	0.009043
230	0.010733	-0.000148	0.007473	0.013828	-0.056771	-0.057414	-0.023993	0.031048	-0.000511	-0.018972	0.004296	0.008787	0.050387	0.018555
231	0.037946	0.044832	-0.036003	-0.054788	-0.008252	-0.01853	-0.046349	-0.022458	-0.068745	0.004674	-0.012136	0.01357	-0.025455	0.01609
232	0.020304	-0.007846	0.048499	0.04743	0.040723	-0.00953	0.03048	0.020136	-0.053081	0.011838	-0.019476	0.044479	-0.006228	0.010757
233	0.048475	0.062949	-0.027704	-0.005674	-0.012233	0.045229	-0.005223	-0.008999	-0.038114	0.065089	-0.012157	0.010043	-0.011822	0.025371
234	0.016874	0.019559	-0.021526	-0.001996	0.036303	0.041846	-0.005337	-0.007739	0.004655	0.011597	-0.012889	0.024947	0.012453	0.027603
235	-0.02011	-0.057106	0.000649	-0.014695	0.00044	0.014714	0.006211	0.027944	0.027165	-0.038117	-0.008803	-0.007871	0.032105	-0.01649
236	0.003067	-0.006395	-0.064703	0.020331	0.020898	0.043687	0.006906	-0.018699	-0.033188	0.025085	-0.027682	0.012747	-0.026599	-0.020769
237	-0.049423	-0.034698	-0.003952	-0.014534	-0.022379	-0.006121	0.013069	0.016907	-0.006641	-0.061431	0.020772	0.041214	0.037295	0.005009
238	-0.010366	-0.027913	0.042797	0.024605	-0.008278	0.003285	0.01055	-0.01237	-0.019029	0.011083	-0.024094	-0.000189	-0.0342	0.003319
239	0.004011	-0.019771	0.034218	0.00625	0.008585	0.012213	0.000131	-0.029552	-0.020342	0.017493	-0.020642	-0.015775	-0.041866	-0.02873
240	0.000374	0.001564	-0.030947	0.025185	-0.004625	0.004867	-0.024275	0.001394	0.003404	0.002165	0.034532	0.021143	-0.004412	-0.007431
241	0.022719	-0.007015	0.030897	-0.012482	0.026133	0.026004	-0.000468	0.025129	-0.021424	0.020187	0.011601	0.024331	-0.019565	0.045414
242	-0.006218	-0.01159	-0.042993	0.012676	-0.013104	0.01806	-0.010665	0.021139	-0.011757	0.058812	-0.030229	-0.018415	0.010155	-0.005464
243	-0.025658	-0.03012	-0.008455	-0.038392	-0.010007	-0.020951	0.014914	0.023963	-0.001833	-0.005605	-0.017635	-0.010085	-0.036137	-0.014175
244	0.010891	-0.02437	0.036838	-0.015678	0.05562	0.004153	0.050814	-0.023624	0.008845	-0.008106	0.043569	0.035355	-0.019859	-0.031073
245	0.007626	0.036172	-0.003656	-0.006348	-0.012511	-0.005105	-0.034827	-0.078902	-0.018428	0.021643	0.015503	-0.007247	-0.0288	-0.031738
246	-0.004533	-0.007202	-0.028563	-0.004005	-0.018099	0.005164	-0.025252	0.001817	0.015214	0.043809	-0.00947	-0.011304	0.047899	0.003782

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
247	0.008326	-0.00807	-0.008956	-0.001532	-0.014438	-0.014177	0.003812	-0.019591	-0.021487	0.017232	0.008846	0.036362	-0.041124	0.0049
248	0.002954	0.00051	0.017737	-0.003264	0.004423	-0.027701	0.026134	0.02052	0.025144	0.005889	0.035031	0.026142	0.00576	-0.01482
249	0.021166	0.029826	0.035724	0.002519	-0.006499	-0.001717	-0.033417	0.020882	0.043366	0.01587	0.007194	0.043561	0.045817	0.052086
250	0.009996	-0.04114	-0.05051	-0.006289	0.011244	0.033247	-0.011831	0.044812	-0.020592	0.028849	-0.015378	-0.012364	0.015266	-0.002299
251	-0.02706	-0.073416	0.030915	0.022472	0.035221	-0.00089	0.02067	0.030866	-0.018365	0.007588	0.019739	-0.025001	-0.009252	-0.070199
252	-0.005869	0.021059	0.038115	-0.009795	-0.01747	-0.020498	-0.00194	0.003484	0.008944	-0.000518	0.010731	0.029257	-0.021331	0.011406
253	-0.02402	-0.042119	-0.000655	0.013439	0.008296	-0.039352	0.001194	-0.010824	-0.012479	0.008086	-0.021414	-0.007519	-0.034537	-0.07538
254	-0.005656	0.01881	0.030615	-0.037138	0.010507	-0.012021	0.022464	-0.03572	-0.029694	-0.04885	0.03259	0.029819	0.023287	0.055662
255	0.010594	-0.011863	0.009339	-0.024707	0.021998	-0.01677	0.034035	0.001601	0.019752	-0.015968	0.033388	-0.009291	0.02085	0.011216
256	-0.001964	0.015184	-0.016986	-0.01109	-0.022958	0.01784	-0.038904	0.024786	0.007987	-0.000453	0.000323	0.004798	0.028835	0.038206
257	0.017195	0.03117	-0.009047	0.029428	-0.026399	0.032797	-0.006068	-0.000215	0.018758	-0.020121	-0.054048	-0.041377	0.029123	0.05387
258	0.006242	0.029044	-0.013725	-0.012169	0.010893	-0.008166	0.021987	-0.049193	0.006857	-0.078316	0.040796	0.009811	-0.017801	0.001732
259	0.003625	0.007952	-0.028693	0.02461	-0.009467	0.021045	-0.011082	-0.012094	-0.0078	-0.014433	0.013275	-0.007652	-0.014319	-0.02541
260	0.008909	0.044267	-0.018667	0.001196	0.00927	0.040357	-0.004909	-0.049242	-0.04976	-0.021532	0.00119	0.030043	-0.032986	0.029879
261	-0.003225	0.023164	0.029901	0.018807	-0.003579	-0.030494	0.009252	0.026768	-0.008226	-0.02557	0.012162	-0.02338	-0.019464	-0.029244
262	0.023559	0.055951	-0.022545	0.025552	-0.040628	-0.035029	-0.03657	-0.022711	-0.019965	-0.011792	-0.029709	-0.028577	0.008123	0.006715
263	0.015428	0.054544	-0.013686	0.011764	-0.039183	-0.050428	-0.020886	-0.011527	0.022337	0.015435	-0.020036	-0.028479	0.070845	0.019034
264	0.036777	0.005147	0.005588	-0.039542	0.051123	-0.009283	0.010929	-0.013623	0.03254	0.009224	0.012344	0.012018	0.000546	0.024458
265	0.016434	-0.011105	-0.021106	-0.028926	0.019928	-0.004294	0.006656	-0.006403	-0.029528	-0.074474	0.013882	0.002815	-0.025211	-0.000842
266	-0.000516	0.005124	-0.011344	-0.015543	-0.013776	-0.00366	-0.019465	0.021172	-0.056862	-0.040234	-0.012981	-0.018613	-0.006846	-0.022678
267	-0.009715	-0.002684	0.004761	0.007103	0.005426	-0.026839	-0.001348	-0.006817	-0.018275	-0.001386	0.018157	0.048796	-0.047291	-0.034401
268	0.011157	0.016035	-0.027121	-0.011396	0.020693	0.002723	0.023373	0.015522	-0.007532	-0.017177	-0.001877	0.010326	0.005832	0.017013
269	0.007019	-0.006791	0.005478	-0.006855	0.040719	0.004463	0.035197	0.017327	0.004268	-0.009065	-0.002431	0.001902	-0.007879	0.027813
270	0.007304	-0.008259	0.027924	-0.053006	0.011009	-0.064382	0.011206	0.047469	0.032911	-0.013954	0.025831	-0.036813	0.038998	-0.031758
271	0.01085	-0.023985	0.050879	-0.015756	0.011887	-0.007335	0.047026	-0.021944	0.011225	-0.004928	0.018151	0.019407	0.041796	0.014724
272	0.017698	0.001184	-0.017056	0.005078	-0.022685	-0.016027	-0.029579	-0.041797	0.020476	-0.006635	0.008292	0.02316	-0.016375	0.02448
273	0.003636	0.025762	0.001611	-0.012301	-0.076252	-0.065104	-0.049297	0.000458	0.001044	-0.023111	0.011998	-0.000076	0.02713	0.031578
274	-0.000283	0.011764	0.019871	-0.012542	-0.078835	-0.058622	-0.041987	0.026319	0.011264	-0.019488	0.020308	0.003426	0.023576	0.018403
275	0.007896	-0.00954	0.024496	-0.041428	-0.011238	-0.112541	0.031704	0.030801	0.028718	0.01724	0.025307	-0.05454	0.017488	-0.041778
276	-0.000086	0.009247	-0.025108	0.042353	0.00684	0.013669	-0.026859	0.00316	-0.001826	0.007759	-0.021638	0.020363	-0.00964	0.012591
277	-0.005421	0.002717	0.000329	-0.025746	-0.000333	-0.018043	-0.011578	0.018275	0.005163	0.007572	-0.014483	-0.015494	-0.020247	-0.001914
278	0.005758	0.048737	-0.005312	0.013659	-0.005813	-0.00061	-0.012094	-0.041636	-0.008775	0.042058	-0.018804	-0.015504	-0.04556	0.008243
279	0.007252	-0.027752	0.042369	0.019116	0.019622	0.018221	-0.002894	0.01396	-0.003275	0.037253	-0.019016	-0.014616	-0.038892	-0.032574
280	-0.013756	0.005292	-0.0391	-0.028417	-0.014895	-0.04071	-0.000705	0.008882	0.002206	-0.057682	-0.00097	-0.030622	0.014713	-0.021984
281	0.012871	0.008581	-0.022229	0.009706	0.000221	-0.001157	-0.01856	0.014804	0.014274	-0.018067	0.008645	-0.006126	0.029047	-0.006053
282	0.005881	0.036371	-0.020539	0.025482	0.016045	0.012541	0.000843	-0.04149	-0.036697	0.033907	-0.014258	-0.015045	-0.051537	0.009546
283	0.006084	-0.00843	0.001619	-0.000795	-0.018284	-0.000659	-0.021908	-0.0045	-0.018086	0.07788	0.00878	0.051515	-0.035705	-0.034008
284	0.014411	-0.001204	0.008338	0.01422	-0.010869	0.02704	-0.027631	-0.001843	0.034867	-0.000722	-0.064724	-0.027772	0.033983	0.024869
285	0.004131	-0.027245	0.030558	0.017734	-0.001524	0.031958	-0.023482	0.023392	0.031561	0.00691	-0.072987	-0.023607	0.016413	0.013956
286	0.010041	0.014863	0.003025	0.026909	0.031993	0.020842	0.018932	-0.011738	0.008445	-0.057837	0.03292	-0.003506	-0.005979	-0.016829
287	-0.00937	0.00847	0.009943	0.011507	0.02339	0.029167	0.005463	-0.010466	0.016787	-0.050092	0.026803	-0.006455	-0.009392	-0.015272

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
288	-0.06596	-0.02431	-0.082113	-0.035499	0.001043	0.016393	0.001558	-0.003701	-0.00959	0.04977	0.005039	-0.021909	0.016704	-0.037153
289	-0.006971	-0.012077	-0.014122	-0.006887	0.010907	0.007734	-0.003701	0.015377	-0.008719	-0.0067	-0.003238	-0.043116	0.015776	-0.008803
290	-0.248488	-0.213583	-0.014255	0.011589	0.003584	0.006161	0.016338	-0.032654	-0.002692	-0.044131	0.002887	0.009857	0.005592	0.009072
291	0.750916	-0.213428	-0.012094	0.001477	0.001441	0.001095	0.015038	-0.040656	-0.001734	-0.033649	0.005142	0.007805	0.005466	0.001549
292	-0.227487	0.699285	0.013176	-0.01177	0.033293	-0.000932	0.014118	0.017437	0.019506	-0.061571	0.01039	0.020404	0.012958	-0.034887
293	-0.023936	-0.01516	0.585624	-0.067737	-0.121902	0.031107	-0.120165	-0.00093	-0.117136	-0.005989	-0.108942	-0.028013	0.0176	-0.018686
294	-0.013521	-0.016826	-0.055816	0.768115	-0.073158	-0.086679	-0.044699	-0.001081	-0.065893	-0.025882	-0.039416	-0.049934	-0.045351	-0.048539
295	-0.027602	0.007741	-0.090646	-0.072862	0.766164	-0.112042	-0.156017	0.006348	-0.067491	0.003273	-0.086807	-0.045919	0.023035	-0.004442
296	-0.016176	-0.013277	0.094068	-0.100114	-0.088679	0.666318	-0.047456	-0.038757	-0.007951	0.035683	-0.018178	-0.057808	-0.018917	-0.04019
297	-0.005093	0.004501	-0.085235	-0.044317	-0.167447	-0.096115	0.753871	0.01035	-0.067486	-0.008281	-0.085434	-0.013739	0.036498	-0.014963
298	-0.018832	-0.002216	0.025054	0.00669	0.027768	-0.039951	-0.014076	0.548448	-0.060144	-0.158469	-0.033752	-0.000808	-0.083519	-0.010407
299	0.0124	0.024781	-0.12037	-0.033059	-0.053872	0.001969	-0.091736	-0.058261	0.739468	0.002459	-0.088089	-0.045148	-0.148309	-0.134016
300	-0.021643	-0.049657	0.033767	-0.01733	-0.032457	-0.023187	-0.046199	-0.161203	-0.012752	0.449811	-0.002064	-0.020078	0.023129	0.026146
301	-0.002874	0.006842	-0.081885	-0.044053	-0.086928	-0.036538	-0.093497	-0.031392	-0.076627	0.041978	0.805522	-0.10142	-0.043935	-0.041994
302	0.016739	0.018528	0.001941	-0.044781	-0.015602	-0.052198	-0.008233	-0.005269	-0.048847	0.026104	-0.103143	0.772285	-0.075717	-0.11351
303	0.040459	0.033844	0.009297	-0.010165	0.037275	0.029356	0.03201	-0.089489	-0.145511	0.012058	-0.057513	-0.055082	0.67995	-0.193739
304	0.011064	-0.000516	-0.024771	-0.025757	-0.010124	-0.057714	-0.021039	-0.005142	-0.116268	0.042839	-0.024058	-0.08485	-0.194591	0.631787
305	0.038379	0.010968	-0.088654	-0.000571	0.001097	0.064687	0.036014	-0.016388	0.011	-0.050374	-0.030965	0.016544	-0.036963	0.04055
306	-0.022003	-0.05168	-0.05609	0.006884	0.035872	0.007299	0.022626	-0.011229	-0.008469	-0.006025	0.002043	-0.031752	-0.014784	-0.049499
307	-0.004601	0.009223	0.025298	0.025587	-0.020498	0.00188	-0.005782	0.026894	0.002329	0.005791	0.011605	0.015643	-0.067511	-0.032889
308	-0.002393	-0.008589	-0.03105	0.020742	0.049058	-0.006447	-0.021435	0.00527	-0.027289	0.059273	-0.003055	-0.017116	0.027255	-0.040234
309	-0.004072	0.002438	-0.03519	-0.005647	-0.000983	-0.015862	-0.009956	-0.010094	0.00231	0.009984	0.001932	-0.028109	0.015727	0.015962
310	-0.004859	-0.000916	0.033233	0.005273	0.046838	0.025765	0.080022	0.035326	0.00688	0.050863	0.049308	-0.034191	-0.020285	-0.038252
311	0.004559	0.014754	-0.074894	0.007235	-0.028669	0.016198	-0.032381	-0.020388	-0.004115	-0.036187	-0.013876	0.016743	0.01412	0.034337
312	0.01507	-0.014252	0.023365	-0.026173	0.025523	0.006196	-0.037278	0.071934	0.012785	0.045667	0.071865	0.066223	-0.006096	-0.000373
313	0.027771	0.017446	-0.013106	-0.004377	0.005014	-0.046553	-0.004666	-0.026193	0.028686	-0.040799	-0.021891	0.011464	0.034104	0.025173
314	0.024441	0.026466	-0.005618	-0.009395	-0.012448	0.014046	-0.034221	-0.033531	0.006693	0.003239	0.032915	0.000216	-0.044064	-0.05173
315	0.002291	-0.016946	0.015522	0.014357	0.028268	0.001889	0.012745	0.0037	-0.023212	-0.03467	0.012736	0.016216	-0.028899	-0.004464
316	0.010361	0.05267	0.013614	-0.021619	-0.003587	-0.026114	0.002832	-0.042508	0.000493	0.024689	-0.017124	0.008597	-0.01239	0.009628
317	-0.012689	-0.003726	-0.022073	-0.010638	-0.035383	-0.019165	-0.030326	-0.045872	0.025382	0.0031	-0.041477	-0.007794	0.036483	0.046587
318	0.018619	-0.021926	-0.040749	-0.030289	-0.019507	-0.020461	-0.024072	-0.034377	-0.023486	-0.047782	-0.018626	-0.00545	-0.002249	-0.052365
319	-0.006914	-0.010457	0.041077	0.001981	0.02378	-0.004014	-0.001068	0.006498	0.005073	-0.007832	0.012496	0.024624	-0.021801	0.002574
320	0.003856	0.016459	0.009102	-0.049487	-0.012376	-0.098523	-0.014602	-0.071438	-0.001555	0.022001	-0.018825	-0.022336	0.016219	-0.00093
321	-0.000294	-0.022192	0.025804	-0.005205	-0.013268	-0.022592	-0.045387	0.043421	-0.088133	0.01255	-0.048887	-0.07367	-0.045693	-0.014385
322	-0.013381	-0.018799	0.011518	-0.00311	-0.005768	-0.005556	0.051521	0.031889	0.065134	-0.040547	-0.015166	-0.02845	0.030601	0.005469
323	0.002068	0.014893	0.06479	0.006654	-0.036649	0.012359	-0.004839	-0.043493	-0.02153	0.045703	-0.013124	-0.004562	0.002035	-0.010488
324	0.042003	0.046391	-0.011898	0.022527	0.049609	0.035817	0.035129	0.034937	-0.024767	-0.006012	-0.012247	-0.07386	-0.02079	0.02781
325	0.003407	0.021232	0.006889	0.018193	0.024542	-0.054439	0.012553	-0.039924	0.017732	0.019915	-0.013781	0.000395	-0.026419	-0.001155
326	-0.020794	0.008224	0.043657	-0.0304	-0.020155	-0.028425	0.014009	0.022063	0.002307	0.053679	0.025668	0.032966	-0.029262	0.027333
327	-0.03342	-0.051653	0.036816	-0.015551	-0.018249	-0.063701	-0.005945	-0.0177	-0.035001	0.002257	-0.005454	-0.018921	0.005672	-0.037954
328	0.013276	-0.009929	0.022763	-0.008952	-0.004449	-0.075913	-0.017641	-0.098362	0.02291	-0.013529	0.040843	-0.012352	0.006494	-0.047262

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
329	-0.008187	-0.03272	0.063365	-0.009047	-0.010085	-0.013766	-0.000087	0.015253	-0.048514	-0.032984	-0.021042	-0.046113	-0.036347	-0.04348
330	0.006414	0.009733	0.045089	-0.017309	0.047415	0.021788	0.043409	-0.022695	0.025359	0.031995	-0.002811	-0.019569	-0.006379	-0.003002
331	-0.029207	-0.029398	-0.041516	-0.020742	0.018492	0.034315	0.009251	-0.059209	-0.035194	-0.017266	0.011476	0.014479	-0.05277	-0.019942
332	0.009376	0.008322	0.005105	-0.014887	-0.023214	0.010316	-0.031418	-0.001057	-0.033017	-0.063579	-0.020467	-0.006983	-0.015127	-0.028775
333	-0.012834	-0.033463	-0.02416	-0.016476	0.022102	0.008113	-0.006307	-0.005895	0.040942	-0.002476	-0.019036	-0.001084	0.029961	0.012169
334	-0.006595	0.024254	-0.001576	-0.029469	0.007595	0.01449	0.023177	-0.030194	-0.061575	-0.000475	-0.033228	-0.045376	-0.071168	-0.008278
335	0.007157	-0.005149	-0.01482	-0.014311	0.015645	0.033336	-0.011446	-0.001405	-0.024249	0.051939	-0.014288	-0.010245	-0.019766	-0.047812
336	0.006713	0.033881	-0.059508	-0.075109	-0.049386	0.008957	-0.035775	-0.037202	-0.058979	0.002992	-0.025479	-0.013494	-0.024534	-0.056801
337	-0.002017	-0.008784	0.006735	0.024641	0.004139	-0.003515	-0.025181	-0.026929	-0.019689	-0.037905	-0.034797	-0.007448	-0.044069	0.019124
338	-0.018332	-0.001156	-0.023086	0.01085	0.011566	-0.052006	0.026331	-0.114141	-0.011274	-0.019229	-0.005272	-0.000569	-0.00525	0.029785
339	-0.012413	-0.02139	-0.032038	0.01915	0.007673	0.044893	0.044978	0.047074	0.027549	0.07921	-0.020962	-0.036779	-0.011402	-0.061503
340	-0.01784	-0.00656	-0.077038	0.003687	-0.039607	-0.044137	-0.060245	0.020739	-0.014482	-0.009066	0.003882	0.02433	-0.012054	-0.036503

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
1	-0.059364	-0.009606	0.095188	0.024247	0.030688	0.03691	-0.011822	0.043251	-0.052643	0.038038	-0.036106	0.131241	0.033628	-0.079507
2	-0.007079	-0.01676	-0.065677	0.009064	-0.086766	0.027549	-0.0986	0.118895	-0.049151	-0.002204	-0.069088	0.056898	-0.132252	-0.049463
3	-0.046149	0.014307	-0.022754	-0.017339	-0.032928	-0.113182	0.016133	0.128778	-0.019715	-0.126079	0.046715	0.021515	0.002672	-0.080946
4	0.068768	-0.01117	-0.06992	-0.08434	-0.025434	-0.041304	0.070459	-0.074668	0.047848	-0.024864	-0.026589	0.121327	0.056927	-0.109047
5	-0.012891	0.022558	0.063359	0.012303	-0.037419	0.023541	-0.019436	-0.02935	-0.023736	-0.001171	0.0034	-0.047685	-0.011685	0.027376
6	0.037234	-0.068151	-0.070576	-0.047536	0.006416	0.037111	-0.029118	-0.051686	0.015971	-0.0475	0.015332	0.016667	0.025728	0.054162
7	0.02841	-0.002928	-0.090285	-0.000303	0.009361	0.014873	-0.026799	-0.013913	0.025604	0.012758	-0.000226	0.064644	0.025216	-0.041357
8	-0.011426	-0.028195	0.042963	0.010976	-0.022604	-0.056074	-0.001349	-0.000794	-0.020724	-0.006636	-0.009924	-0.027121	-0.038066	0.016344
9	-0.047273	0.033325	-0.032134	0.032322	0.049664	0.041655	0.063776	0.096706	0.041225	-0.034566	0.097103	0.006098	0.070498	0.103192
10	0.067	0.045274	0.091968	-0.006591	0.024565	0.069131	0.064517	0.010072	-0.024055	-0.020978	0.027127	0.032147	0.001283	0.018771
11	0.010164	-0.050693	0.000469	-0.018104	0.002916	0.030724	0.02815	-0.084282	0.023081	0.043521	-0.022147	-0.033181	0.05056	-0.012237
12	-0.017285	-0.05593	-0.042624	-0.01867	-0.033731	0.002543	0.027239	-0.095734	-0.01536	0.068064	0.007751	-0.063542	-0.023205	0.008
13	0.041707	-0.081348	0.002866	-0.039291	0.009468	0.100166	-0.023332	0.021835	-0.075959	0.066069	0.035864	-0.249092	0.048665	0.01514
14	0.139975	-0.081096	0.018542	0.025679	-0.042452	-0.073674	-0.073623	0.081274	-0.039995	-0.016655	-0.012167	0.09316	0.007789	-0.03371
15	-0.028236	0.004732	-0.131015	0.077452	0.029234	-0.013157	-0.044967	0.0045	0.029221	-0.047286	0.035409	0.101012	0.058592	-0.004439
16	-0.019751	-0.032585	-0.021536	-0.000505	0.019333	0.019982	0.011954	-0.000781	0.035776	0.011149	0.049607	-0.039674	-0.032148	-0.060313
17	0.007822	-0.009318	-0.011238	0.012066	0.019052	-0.016058	-0.033605	0.091233	-0.033176	-0.035326	-0.01737	-0.022267	-0.027687	-0.098929
18	0.000858	-0.022011	0.055957	0.038144	-0.053048	0.025333	-0.011838	-0.028756	-0.013333	0.007443	-0.051636	-0.073794	-0.003477	0.006312
19	-0.019578	0.044363	-0.061114	-0.043307	0.015089	-0.014684	-0.033754	-0.045151	-0.002793	0.137535	-0.014298	-0.140037	0.054111	0.104185
20	-0.064872	-0.05266	0.00126	-0.045905	-0.05562	-0.048012	-0.008356	-0.035801	-0.043046	-0.024842	-0.101225	-0.194522	-0.054089	-0.11722
21	-0.033992	-0.006745	-0.085526	0.025438	0.007411	-0.041699	-0.058687	-0.065288	-0.019263	-0.069091	0.005317	-0.086675	0.005317	0.026267
22	0.047004	0.006005	0.077406	0.040678	-0.012391	0.019751	0.022174	-0.017049	-0.023091	-0.041587	0.060583	0.068176	-0.023883	-0.006259
23	-0.06857	0.041886	0.003021	0.030905	0.030891	-0.067335	-0.014557	0.011778	0.027158	0.09043	-0.025371	0.057193	0.041806	-0.057966
24	0.017667	0.018164	-0.063948	-0.03927	0.052562	0.100499	0.062238	-0.047207	-0.047854	0.013124	-0.029373	-0.042711	-0.038937	0.020369
25	-0.002489	-0.010383	0.080002	-0.002988	0.027399	0.023707	0.026886	0.094427	0.022057	-0.071126	0.014485	0.002444	-0.017936	-0.008536
26	-0.058803	-0.008704	-0.03781	-0.001525	-0.040334	-0.022177	0.018826	-0.043366	-0.04599	0.047737	-0.01697	0.068119	0.030038	0.079329
27	0.000871	0.003809	-0.133975	-0.007669	0.019687	-0.097639	-0.066284	-0.048648	-0.020866	0.033266	0.02232	0.109159	-0.008618	0.037472
28	-0.095355	-0.012852	0.023125	-0.021242	0.042981	0.021596	0.067377	0.046259	-0.082372	0.16866	0.032172	-0.031274	0.041619	0.036909
29	-0.057026	0.057027	0.022034	0.02002	-0.005428	0.108789	-0.00413	-0.014695	0.149182	0.038325	-0.033819	-0.115124	0.038742	-0.001729
30	-0.015404	-0.057368	-0.028803	-0.007482	0.018016	-0.014705	-0.011179	0.097135	-0.001538	0.066779	-0.021791	0.141272	0.004402	-0.003211
31	0.154486	0.017884	-0.104216	0.023401	0.033692	-0.023726	0.01403	0.149052	0.054421	0.01591	0.073234	-0.033489	0.034961	0.013263
32	-0.033531	-0.007174	-0.086585	-0.000569	-0.01755	-0.00179	0.02875	0.022754	-0.000368	-0.033741	0.076982	-0.059154	-0.020171	0.053448
33	-0.0783	-0.030222	-0.188	-0.021011	0.03976	-0.07475	0.073763	0.006227	0.042719	-0.134393	0.038734	-0.034092	-0.051916	-0.017896
34	-0.161584	0.029431	-0.065249	0.01706	-0.002415	0.055584	0.007628	-0.023555	0.041711	-0.014848	-0.000987	0.023098	0.01248	-0.034337
35	-0.026895	0.070254	0.05747	0.015115	-0.029879	0.007037	-0.018251	0.140969	-0.025845	0.002938	0.010276	-0.125452	-0.037367	-0.134413
36	0.029246	0.006813	-0.08766	-0.000587	0.006329	0.089049	-0.059809	-0.017339	-0.107551	-0.108864	-0.068279	0.058566	0.038044	0.064707
37	0.120069	0.113086	0.042887	-0.003586	-0.01216	0.073224	-0.01671	-0.053333	0.004611	-0.10743	-0.033203	0.102079	-0.022686	0.00191
38	0.061338	0.0722	0.073199	-0.006165	0.053855	0.002978	-0.002244	-0.00668	0.062773	0.071763	0.023175	-0.035479	0.047808	-0.002675
39	-0.090268	-0.005473	-0.040688	0.018673	0.036487	-0.018777	0.010695	0.055631	0.034006	-0.076597	0.018009	-0.0672	0.065688	0.066814
40	0.108705	-0.003995	0.090083	-0.015908	0.023827	0.015069	0.028675	-0.047674	0.044118	-0.047468	0.055711	-0.005987	0.064379	-0.03606
41	-0.02474	0.0803	0.094373	-0.02861	-0.03956	0.09055	-0.002715	0.049291	-0.012089	0.124451	-0.079674	-0.017072	-0.045802	0.042913

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
42	0.086627	-0.033895	0.102698	-0.012675	-0.032731	-0.051155	0.002262	-0.016761	-0.008641	0.025754	0.042019	0.173765	-0.037092	-0.054311
43	-0.075976	0.013897	-0.076996	-0.014272	-0.002778	-0.061532	-0.022259	-0.030969	-0.056624	-0.079241	-0.038971	-0.049547	-0.011963	-0.048711
44	0.009271	0.017424	0.051569	-0.018775	0.025345	0.09196	0.056011	-0.213824	-0.002997	-0.042881	-0.038448	-0.021462	0.017282	0.030959
45	0.062334	-0.051257	-0.085072	0.004741	-0.003619	-0.044302	0.040106	0.140052	0.021708	0.129919	0.02473	0.044278	-0.026511	-0.02014
46	0.089189	0.032198	-0.031862	-0.013495	-0.022671	0.01692	-0.0124	-0.025091	0.029836	-0.013854	-0.042694	-0.079438	-0.06785	-0.035978
47	0.019713	-0.03624	-0.092516	0.015672	0.014612	0.045768	-0.00661	0.017434	0.012802	0.072068	0.057845	-0.081307	0.041549	-0.010137
48	0.031788	0.006237	0.135584	-0.006568	-0.041137	-0.105555	0.015291	-0.162494	-0.009985	-0.138926	0.027895	-0.0119	-0.019403	-0.069434
49	0.04643	0.025475	0.018645	0.029191	-0.035809	-0.080881	0.028892	0.019001	0.011281	-0.030721	-0.006485	0.038557	-0.03238	0.037263
50	0.053193	-0.055627	-0.050102	-0.035415	0.034393	0.027901	-0.017837	0.015246	0.053841	-0.038786	0.025546	-0.029371	0.066536	-0.009601
51	0.043797	-0.021134	0.05481	-0.017843	0.010319	-0.0514	-0.032044	-0.003499	-0.003727	0.049373	0.030831	0.050165	0.058792	0.0284
52	0.079086	0.042351	0.069284	-0.03458	-0.050643	0.066868	-0.025857	-0.068213	0.000393	-0.022507	0.011196	0.072455	0.073488	0.037997
53	-0.014427	0.008344	0.082201	0.003609	0.033102	0.052914	0.017547	0.088521	0.039872	0.134474	0.046441	0.049645	0.031092	0.120911
54	-0.023097	-0.047095	-0.167157	0.031311	0.019653	0.058201	0.006187	0.058276	-0.020986	-0.011666	-0.014769	-0.054642	0.050039	0.023179
55	0.016685	-0.016192	-0.031671	0.015283	-0.009646	0.024043	0.049854	-0.014326	-0.016571	0.054617	-0.068458	0.020785	-0.042833	-0.020728
56	0.070865	0.014335	-0.07534	0.083824	0.01453	-0.039408	-0.037902	0.039479	-0.04308	0.078448	0.059015	-0.045953	0.053784	0.085001
57	-0.062683	0.073828	0.005868	-0.023093	-0.010622	-0.018172	0.022674	0.061996	0.02672	0.049462	-0.059279	0.02017	-0.005455	0.039701
58	-0.025649	-0.026604	-0.045579	-0.063976	0.00786	0.033831	-0.050604	-0.062924	-0.072922	0.104342	0.045406	0.188876	0.04543	0.046149
59	-0.017434	0.032286	0.052786	0.055252	-0.018195	0.007587	0.047437	-0.028758	0.057567	0.073493	0.04895	-0.057512	-0.008712	0.028719
60	-0.004126	-0.003583	-0.023206	-0.03835	-0.037893	-0.099591	0.054778	0.107438	0.000489	0.05629	-0.030138	0.037124	0.012975	0.028295
61	-0.048847	-0.078621	-0.054555	0.032034	0.00997	-0.118808	-0.033616	-0.195748	-0.002834	-0.074838	0.011054	0.006524	-0.025101	0.001129
62	0.040582	0.012685	0.0863	0.00644	0.027382	0.052504	0.034245	-0.102764	0.045017	-0.001887	0.006064	0.01491	-0.005118	-0.090348
63	0.074845	0.08888	-0.010965	-0.070885	-0.047954	0.074832	-0.011701	0.135313	-0.034113	-0.005539	-0.013971	0.013088	-0.015453	-0.002679
64	0.043864	0.002068	0.041233	-0.024144	-0.014869	-0.032576	0.009118	0.013779	-0.021684	-0.041481	0.012926	0.018446	-0.009248	0.006321
65	0.05059	0.034123	-0.049688	-0.024289	0.032179	0.057102	-0.113784	-0.028266	-0.073192	0.059082	0.00032	-0.031582	0.013068	-0.044826
66	-0.034244	-0.087311	0.071569	-0.056434	0.012906	0.073987	-0.055531	0.098278	-0.012444	0.00866	0.034043	0.045846	-0.047039	0.013479
67	-0.084318	0.028649	-0.067545	-0.0059	0.015529	0.010347	-0.082868	-0.060017	-0.072621	-0.044622	-0.088136	-0.115889	0.086013	0.063505
68	0.0465	-0.059313	-0.026817	0.021207	0.039875	0.014185	-0.016805	-0.005685	0.026094	-0.014188	0.043137	-0.000133	-0.021716	-0.027042
69	-0.049494	0.019094	0.069004	-0.005685	0.026516	0.0137	0.03355	-0.011362	-0.035627	-0.086317	0.019211	0.09353	0.04025	-0.01422
70	-0.079324	0.053586	-0.009883	0.081226	0.085701	0.041363	-0.006818	-0.06274	0.079604	0.006831	-0.020183	0.065368	0.039671	0.060851
71	0.063649	-0.038803	0.019153	-0.019832	0.000818	-0.043647	0.05548	0.035556	-0.049039	0.035307	0.022459	-0.018325	0.044118	-0.022534
72	0.007755	0.031818	0.007321	0.03796	0.013462	-0.060611	0.005363	-0.052442	0.043549	-0.061113	-0.008437	0.090232	0.029514	-0.022087
73	-0.105958	-0.088136	-0.056851	0.003116	0.027429	0.005463	0.025974	-0.050201	-0.043458	-0.000515	-0.073877	0.006041	-0.009053	0.036693
74	-0.075828	0.013213	-0.044705	-0.024352	0.001563	-0.006969	0.033112	-0.023163	-0.012839	-0.025507	0.002549	-0.038924	-0.005207	-0.06268
75	-0.132913	-0.004925	-0.127985	-0.041233	-0.013326	0.026	0.079409	0.025305	0.090572	0.043504	0.018846	0.098123	0.014101	0.020512
76	-0.047467	-0.000894	0.072613	-0.009343	0.014653	-0.043805	-0.016806	-0.031912	0.018795	-0.072141	0.045538	-0.024286	-0.015858	0.016247
77	-0.011421	0.110414	0.076143	0.00879	-0.084007	0.030983	-0.170369	0.008506	-0.085969	0.050179	-0.088524	0.114088	-0.119768	-0.069596
78	0.006871	0.046384	-0.045785	0.013857	0.042518	-0.015687	0.040199	-0.029257	0.005173	-0.016532	0.022772	-0.028462	0.013279	-0.040965
79	0.122796	0.03114	-0.013522	0.011532	0.015545	0.02367	0.110235	0.026673	0.033923	0.065525	0.014393	0.009995	0.008759	0.085464
80	-0.000554	0.075412	-0.100558	-0.012598	-0.004432	0.02384	-0.03251	0.032446	0.09019	0.01878	0.021118	0.039794	-0.013418	0.015439
81	0.056915	-0.059868	-0.076411	-0.057772	-0.050852	-0.109907	0.032941	-0.026739	0.021465	0.013145	-0.023869	-0.086648	-0.040335	0.021198
82	0.001772	-0.029402	0.051694	-0.083533	-0.033203	-0.06711	-0.038618	-0.059581	-0.027908	-0.141461	0.003353	-0.002616	-0.046544	0.06474

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
83	0.137421	-0.045322	0.076507	-0.060122	-0.010558	0.017325	0.005029	0.068476	-0.004478	-0.031039	-0.010505	0.085753	0.00384	-0.122934
84	0.077344	-0.031889	-0.029718	-0.017304	-0.049132	-0.054267	0.063585	0.124318	0.127307	-0.015762	-0.050634	0.056257	-0.038283	-0.022342
85	0.03084	-0.035074	-0.116334	0.046574	0.032816	0.052909	-0.018201	-0.034282	0.002808	0.034515	-0.013812	-0.026201	-0.019615	0.036857
86	0.060814	0.025614	-0.009524	-0.00772	-0.006812	0.014458	-0.033692	0.001722	-0.014228	0.228204	0.019605	0.060667	-0.024455	0.031872
87	-0.055828	0.030409	0.12667	-0.010941	-0.046026	0.044918	-0.014556	-0.036372	0.000155	0.008492	0.039723	0.035293	-0.001552	-0.028934
88	-0.057264	0.108333	0.030178	-0.072954	-0.032903	0.018006	0.031748	0.118756	-0.088127	0.052588	0.03211	-0.075776	-0.043745	-0.016674
89	0.04947	-0.01871	0.043898	0.048349	0.051446	0.102827	-0.016685	-0.012441	-0.009814	0.11402	0.051954	0.024392	0.092435	0.013855
90	0.0659	-0.111365	0.003103	0.00755	-0.027167	-0.052494	-0.055067	-0.038451	-0.020848	0.093061	0.035556	-0.054359	-0.082477	-0.035041
91	0.128399	0.03975	0.111726	0.084009	0.043561	0.022536	-0.009539	-0.007913	0.044679	-0.023862	-0.039645	-0.073726	-0.029616	0.025551
92	-0.037964	0.000413	0.140814	-0.003409	-0.026929	0.013701	-0.007524	0.016555	0.054662	-0.165842	-0.040553	-0.115822	-0.017824	0.06299
93	-0.014732	-0.039818	0.080418	0.011324	-0.007826	-0.045283	-0.007132	-0.030738	-0.059148	-0.011921	0.025115	-0.006015	0.044216	-0.034938
94	-0.20228	0.043402	0.170616	0.008428	-0.011346	0.03969	-0.109732	-0.13402	-0.091209	0.080302	-0.03294	0.114586	-0.024798	-0.033222
95	0.040953	-0.023526	0.002399	-0.014596	-0.022977	0.03472	0.034016	-0.009125	0.003283	0.057456	-0.017404	-0.032867	-0.020239	0.04726
96	-0.075559	-0.045317	0.113883	0.009855	-0.040075	-0.042915	0.084295	-0.029608	-0.008557	0.04208	0.038056	-0.006713	0.017469	0.036755
97	0.028573	0.092673	0.026822	-0.001183	-0.036376	-0.046024	-0.002816	-0.041775	-0.005536	-0.018828	-0.03864	-0.046322	0.017026	0.047434
98	-0.06625	-0.198756	0.12185	-0.093032	0.035311	-0.066403	-0.002363	-0.002871	-0.059655	0.007551	0.03994	-0.035162	0.12489	0.006338
99	0.002091	-0.039955	0.036365	0.023898	0.014702	-0.074654	-0.012681	0.081319	-0.007946	0.000771	-0.026901	0.002502	-0.061734	-0.085268
100	0.033706	-0.012302	-0.017097	0.005655	0.014502	-0.027711	0.002794	0.110931	0.005649	-0.087341	0.015753	0.022001	-0.061555	0.08277
101	0.063808	-0.029506	0.081752	-0.059175	-0.030994	-0.020646	0.046977	-0.045505	0.011894	0.159456	-0.04948	-0.006809	0.000273	0.069034
102	-0.018093	0.05616	0.071367	0.024196	-0.025287	0.033029	-0.026777	0.044684	-0.017454	-0.071553	-0.014657	-0.067912	-0.045749	-0.018316
103	0.094478	0.012343	-0.068135	0.047384	0.006848	0.032417	0.009065	-0.047023	0.043811	-0.036413	0.025021	0.074854	0.009099	0.048436
104	-0.005802	0.082217	0.018005	0.014649	0.010238	-0.099229	-0.002792	0.0162	0.045396	0.011733	0.029566	0.114206	0.016583	0.044316
105	0.056749	0.020271	-0.04852	-0.04358	0.010791	0.035752	0.003553	-0.025387	0.027918	0.026579	-0.013594	0.005107	0.001719	-0.053784
106	0.039414	0.002476	-0.021157	-0.023931	-0.044395	-0.014754	0.023533	-0.102581	0.029986	-0.003228	0.028506	0.079983	0.020977	0.028882
107	0.041246	-0.049675	-0.073817	0.019864	-0.065094	-0.036312	0.031151	0.112457	0.003216	-0.003888	0.007919	-0.117662	-0.095346	0.00361
108	0.080554	0.061177	0.036012	-0.005539	-0.012654	0.01293	0.06901	-0.031503	-0.092366	-0.05963	-0.033294	-0.053504	0.026971	0.073735
109	-0.049555	-0.013158	-0.048383	-0.014495	0.009176	0.015504	-0.002601	-0.094696	-0.042632	0.083176	-0.002117	0.000901	0.019276	-0.015662
110	-0.011206	-0.07043	-0.102266	-0.004974	-0.038243	0.026523	-0.011501	-0.127677	0.014629	-0.016092	-0.035957	-0.071479	-0.013126	-0.091472
111	0.029521	-0.010637	0.02558	-0.017327	0.041692	-0.023233	-0.074451	-0.093983	0.042579	0.012073	0.003403	-0.000624	0.007569	0.054697
112	-0.005357	-0.013058	0.00277	-0.050489	0.022403	-0.003274	0.028536	0.010524	0.056798	-0.017586	0.046442	0.032069	-0.019942	-0.034
113	-0.036521	-0.009891	0.053474	0.022207	0.033278	0.037677	-0.026497	-0.016456	-0.073942	-0.005412	-0.031566	-0.010157	0.012066	0.008424
114	0.014749	-0.018047	-0.009996	-0.015208	-0.022036	-0.007304	-0.061037	0.020984	0.052582	0.053888	0.027186	0.009032	-0.012403	0.050718
115	-0.047547	0.013866	-0.069627	0.024324	-0.073388	-0.063637	0.014478	0.089091	0.028162	0.009746	0.036001	0.092792	0.000085	0.046041
116	-0.019226	0.025526	0.030805	0.021048	0.02915	0.000018	-0.007894	-0.034979	0.012933	0.041088	-0.001305	-0.014472	0.011487	-0.037281
117	0.012795	0.058916	-0.004898	-0.00597	-0.010664	0.001709	0.015729	-0.068081	0.010976	0.020891	-0.023846	-0.061931	-0.062488	-0.003653
118	-0.068427	-0.040798	0.015787	-0.032686	-0.046288	-0.07603	-0.049342	0.082629	0.008514	-0.068583	-0.01976	-0.04226	-0.02877	0.129427
119	0.050163	0.034487	0.012585	-0.046085	-0.026791	0.045203	-0.046225	-0.078682	-0.087932	-0.043504	0.012303	0.053134	-0.019547	-0.140275
120	-0.040559	-0.123841	-0.154297	-0.003485	0.018007	0.073702	-0.055539	-0.024096	-0.082545	-0.025069	-0.054868	0.131483	-0.023596	-0.069972
121	-0.042437	-0.018318	0.098363	-0.008356	-0.019024	-0.001416	0.012836	0.123585	-0.041558	0.070052	-0.054776	-0.123147	0.087575	0.007141
122	0.091037	0.067743	0.047944	-0.005361	0.039389	0.016026	0.021484	0.019425	0.03686	0.079933	-0.023883	0.077985	0.072231	0.056186
123	0.108289	0.060914	-0.070386	0.045811	-0.018269	0.055939	-0.020289	0.004132	0.012273	-0.0154	0.032093	-0.04954	0.011121	-0.020933

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
124	-0.005141	-0.04803	0.10125	-0.02822	0.042559	0.007087	0.002443	-0.042826	0.017362	-0.046162	0.001842	-0.049802	0.036791	-0.009744
125	0.028997	0.008593	-0.131381	-0.056634	-0.01242	-0.041944	0.061236	-0.139492	-0.056837	-0.033856	0.00364	0.009596	-0.008701	0.029743
126	-0.004004	-0.162194	0.072006	-0.033531	0.016571	-0.029142	0.034443	0.051815	0.009539	-0.151075	-0.056857	-0.046829	-0.024303	0.037475
127	-0.016032	0.036715	-0.111954	0.050285	0.082752	0.013432	-0.017184	-0.011934	0.067898	0.022567	0.038508	-0.053265	0.053277	-0.045173
128	-0.012974	-0.005895	0.069659	0.029885	0.074774	0.030593	0.004238	-0.055887	0.13982	0.052563	0.027709	-0.047557	0.07934	-0.008786
129	-0.035151	-0.009292	-0.039844	0.027978	0.004566	0.006171	-0.048553	0.013567	-0.020539	0.026651	-0.050765	-0.000046	-0.08966	-0.015049
130	0.011382	-0.014321	-0.02946	-0.018568	-0.022642	0.056328	0.040305	0.003446	0.012488	-0.03725	-0.01539	0.055767	-0.045068	-0.021338
131	-0.044978	-0.010558	-0.017719	0.070362	0.059642	-0.026239	0.003345	-0.044168	-0.054869	-0.001926	0.003445	0.071086	0.02427	0.057202
132	-0.04567	0.059339	0.021818	-0.008433	0.02369	0.070757	0.03301	0.008002	-0.010345	-0.062041	0.025515	-0.039676	0.015561	0.011735
133	-0.000017	-0.098518	0.045207	-0.085409	-0.092686	-0.131036	0.032245	0.045931	-0.030871	-0.036796	-0.047705	-0.015791	0.002005	0.012144
134	0.02544	-0.03319	0.02297	-0.017854	0.013762	0.00145	0.01734	0.00554	0.060683	0.02412	0.025549	0.036692	0.042415	-0.048763
135	0.011323	0.092345	-0.019049	0.178325	0.079172	-0.048113	-0.02854	-0.106367	-0.110787	-0.115185	0.024053	-0.082276	0.012188	0.023009
136	0.066124	0.019041	0.037279	-0.185999	-0.076567	-0.163283	0.047469	-0.009343	0.08396	0.099573	0.033394	-0.010966	-0.031613	-0.023128
137	0.017496	-0.068612	0.02974	-0.004126	-0.010353	-0.041762	-0.015871	-0.01918	-0.021784	0.103633	0.036337	0.022213	-0.006665	0.057772
138	0.025511	0.049206	-0.014822	0.021931	-0.039284	-0.001101	-0.045113	0.072992	0.042445	-0.000964	-0.019531	-0.000727	-0.033986	-0.033935
139	0.012375	-0.075813	-0.101051	-0.02291	-0.043211	-0.049453	-0.025437	0.027153	0.012685	0.030996	0.012398	0.035976	-0.013827	-0.003218
140	0.002848	0.055084	0.003925	0.017408	-0.002508	0.002593	0.00758	0.060994	-0.102721	0.013692	0.076549	-0.014536	0.005657	0.037771
141	0.009437	0.028268	0.053329	-0.017491	-0.042415	-0.054403	-0.001151	0.034409	0.032901	-0.011151	0.022297	0.054167	-0.058417	0.004387
142	-0.033203	-0.05569	0.006391	-0.007949	0.008301	0.044587	-0.022329	-0.008815	0.012534	0.064787	-0.00811	-0.035538	-0.028448	-0.035267
143	-0.035619	-0.052898	-0.007414	-0.02638	0.038749	-0.059767	0.00584	-0.055856	-0.003112	0.056132	-0.004894	0.044556	0.014234	0.005485
144	-0.04758	0.004833	0.038934	0.025835	0.012181	0.032592	0.00075	0.006067	-0.02121	0.009273	-0.019191	0.015506	-0.003954	0.013625
145	-0.024638	-0.027747	-0.008693	-0.027973	-0.023304	0.034059	0.026081	0.078535	-0.046915	0.000755	-0.028199	0.035859	0.03147	0.029651
146	0.002611	-0.080253	0.00512	-0.091776	-0.021834	-0.014123	0.035023	-0.015311	0.00254	0.053353	-0.013326	0.011012	0.012085	0.045121
147	0.056142	-0.091349	0.021209	-0.049964	-0.024504	-0.054174	0.040194	-0.052963	0.017915	-0.045263	0.011976	0.029384	0.017188	-0.049483
148	0.046036	-0.003453	-0.063331	-0.033374	-0.003306	-0.044971	-0.037246	-0.007659	-0.06178	-0.015946	-0.038878	-0.006264	-0.011459	0.000945
149	0.021712	-0.030741	0.018831	0.020499	0.004686	0.040442	0.011563	-0.001347	-0.000093	0.050133	-0.016652	0.043944	0.005798	0.001814
150	0.085539	0.011114	-0.026326	0.009106	0.019026	0.000747	-0.014754	0.059897	0.03684	0.003907	0.010897	-0.044171	0.015782	0.020624
151	-0.009333	0.006718	-0.020362	0.035323	-0.001534	0.006944	-0.028169	-0.052944	-0.035125	-0.044162	-0.025468	-0.035548	0.009422	0.031921
152	0.002842	0.002427	-0.016593	-0.019476	-0.038347	0.017431	-0.052091	0.04265	-0.020473	-0.091039	-0.028365	-0.013625	-0.056696	-0.011963
153	-0.059376	0.032668	-0.015555	-0.026868	-0.04357	0.0052	-0.007646	0.001854	-0.043256	0.025514	-0.024724	-0.028628	-0.031396	-0.026044
154	0.018302	0.015624	-0.041448	0.004412	-0.003511	0.050875	-0.033764	0.007194	0.006792	-0.037017	0.018359	0.051735	0.027866	0.053935
155	0.01652	-0.004785	0.029504	0.056833	0.010722	0.026327	0.012934	0.021515	0.000191	0.006884	0.045908	-0.034491	0.006517	-0.037533
156	-0.035365	0.056334	-0.024467	-0.000142	-0.035121	0.0222	0.013088	-0.027929	0.021342	0.079675	-0.035594	0.015438	-0.019519	-0.024044
157	-0.077586	-0.01494	0.0051	0.025102	0.014171	0.061712	0.012017	-0.007023	-0.019709	0.025991	-0.03482	0.000144	-0.029412	-0.002307
158	0.015614	0.007988	-0.068443	0.027665	0.00649	-0.004403	0.00463	0.002727	0.051139	-0.015794	-0.008404	0.003825	-0.007661	0.017227
159	-0.010969	-0.000277	0.024696	0.031342	-0.035122	-0.011567	-0.017671	0.036292	0.005335	-0.000831	0.063432	0.002787	-0.030389	0.001797
160	-0.026732	0.043464	0.031231	-0.015897	0.001915	-0.026824	0.026595	0.023747	0.034764	0.005503	0.030385	0.00807	0.011108	0.074485
161	-0.016816	-0.005349	0.052427	-0.009837	-0.036072	0.007931	0.008372	0.003501	0.002306	0.004872	-0.018227	-0.03989	-0.004009	0.062748
162	0.002508	0.035294	-0.105148	0.010683	-0.019989	-0.012101	0.003814	0.040648	0.014483	0.009979	-0.011734	0.006261	0.016431	0.076038
163	0.023721	-0.001719	0.019396	0.028926	-0.001093	0.053062	0.008365	0.022775	0.043858	0.054712	0.008406	-0.026299	0.02578	0.018663
164	-0.047791	-0.00718	0.053963	-0.016442	0.002232	0.001323	0.037227	0.025016	0.01779	0.00013	-0.017808	0.040213	0.01512	0.014228

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
165	0.052738	-0.010402	-0.049858	0.01509	0.026462	-0.03114	-0.030249	0.021933	0.003753	0.008658	-0.030587	0.038187	0.061335	0.026378
166	0.071333	0.025263	0.039994	-0.015777	0.008994	-0.007665	0.047222	-0.063836	0.018202	-0.071903	0.011762	-0.009672	0.007716	-0.023147
167	-0.029965	-0.018765	0.009641	0.022491	0.025369	0.054546	-0.003582	0.025759	-0.03073	0.01407	0.003244	-0.112888	0.000564	-0.04298
168	0.036292	0.044638	-0.029652	0.013322	0.028493	0.01045	0.01206	-0.068467	0.016265	-0.037516	-0.048446	0.063672	0.021834	0.049458
169	0.046691	0.000385	-0.022712	0.015641	0.012349	-0.001701	0.012729	-0.000461	0.021157	0.002085	0.012304	0.012887	0.016768	0.002295
170	0.015421	0.017523	0.032518	0.005282	-0.020021	-0.023337	0.002416	0.022783	0.00908	-0.05805	-0.007296	0.01907	0.005792	0.016812
171	0.022609	0.002382	0.010534	0.024472	0.004744	0.00499	-0.021123	0.039079	0.020208	0.03597	0.022408	-0.042878	0.00818	0.004297
172	-0.014978	-0.013048	-0.041937	-0.006186	0.01876	0.029269	-0.016589	0.010243	0.001545	0.018147	0.024176	-0.022328	-0.007284	-0.031869
173	0.001446	-0.005425	0.016393	-0.044159	-0.004121	-0.014722	-0.016438	0.014122	-0.018932	0.003007	0.011769	-0.019502	-0.014996	0.041037
174	0.117819	0.031424	0.053039	-0.012565	-0.004797	0.00932	0.011251	-0.028106	0.009979	0.013477	0.012892	-0.098091	-0.007195	0.02892
175	-0.012116	-0.020185	0.00194	-0.004538	-0.030364	0.005692	-0.01346	-0.030541	0.02956	0.043034	-0.012027	-0.008282	-0.003277	0.000399
176	-0.065281	-0.026068	-0.078307	0.056446	0.020278	0.010221	0.01559	0.003982	0.030308	0.011632	0.017781	0.022983	0.000203	-0.002572
177	-0.026339	-0.010272	-0.010221	-0.030075	-0.001992	-0.04007	0.079727	-0.048208	-0.002896	0.078998	0.001863	-0.040243	0.06929	0.010262
178	0.002903	0.004287	-0.025859	-0.027346	0.000599	0.022923	0.011232	-0.0529	0.006292	0.013832	0.021041	0.003531	0.031622	-0.045118
179	0.05976	0.02308	-0.034409	0.018215	0.009698	-0.007113	-0.01667	-0.004567	0.00664	0.042761	0.015956	-0.007708	0.013031	0.016516
180	0.037664	0.046588	-0.008184	0.009183	0.015171	0.012077	0.018965	-0.042989	0.014002	-0.015637	-0.004432	-0.006867	0.002351	-0.023986
181	0.018851	0.056369	0.000767	0.000114	0.003642	0.008979	0.023786	-0.046003	0.002889	-0.015424	-0.000973	-0.01373	-0.013672	-0.02256
182	0.005773	0.02029	0.013518	-0.00976	-0.008445	-0.048916	0.033389	-0.019071	0.007667	-0.011493	-0.005193	0.00882	-0.006916	-0.034507
183	-0.000041	-0.034147	0.021873	0.008705	-0.015362	-0.042643	-0.037002	-0.007616	-0.030497	0.063004	0.015211	-0.009464	0.016186	-0.00847
184	0.02994	-0.016204	0.068831	-0.031205	-0.007347	-0.020835	-0.040215	-0.023729	-0.049463	0.001347	0.019813	-0.034452	0.030307	-0.0165
185	-0.049426	0.030605	-0.05165	0.055446	0.016043	0.010451	0.006152	-0.048515	-0.004477	0.041577	-0.005587	-0.017425	-0.003799	0.001383
186	-0.020324	0.023789	0.000495	-0.005736	-0.011716	0.002569	0.01679	0.090859	0.001599	-0.016086	-0.008611	-0.002035	0.000657	0.014709
187	-0.005019	0.022834	-0.000175	-0.007884	0.020797	-0.021899	0.020217	-0.039494	0.005137	0.024869	0.003828	-0.015259	0.00924	0.01828
188	0.035831	0.022394	-0.005471	-0.009389	0.003009	0.005755	-0.010506	-0.049625	0.00459	0.017329	0.009026	-0.039622	0.01093	-0.031876
189	-0.001031	0.003032	-0.009976	0.00525	0.000716	0.03986	-0.00613	-0.057688	0.018765	0.0337	-0.012818	0.016874	0.014521	-0.026773
190	0.011393	0.032391	-0.076488	0.0129	-0.020912	0.060177	-0.049124	-0.041022	-0.005966	-0.020822	-0.024516	-0.052873	-0.024373	-0.036696
191	0.022311	0.008917	-0.024309	-0.031109	-0.000604	0.045513	-0.015648	-0.056701	0.000298	0.006412	-0.021269	-0.068409	-0.045032	-0.085698
192	0.017427	0.0226	-0.02081	-0.065726	0.000316	0.027442	0.017811	-0.00479	-0.047956	-0.01437	-0.001938	0.040004	0.038965	-0.029156
193	-0.098468	-0.03465	-0.040068	-0.010663	0.006711	-0.03817	0.014155	0.024607	0.037259	0.063201	0.026235	0.03348	-0.013929	0.054558
194	0.02082	-0.067659	-0.037199	-0.019031	-0.02535	-0.015253	-0.035741	-0.010723	-0.036862	0.026711	-0.030627	-0.010953	-0.020071	-0.05635
195	-0.030627	-0.024858	0.051001	-0.000537	0.012963	-0.026844	-0.012141	0.023094	-0.025627	-0.018851	0.003004	0.021922	-0.000164	0.013585
196	-0.017155	-0.027437	-0.028791	-0.02121	0.030631	0.062942	0.005189	0.010762	0.005228	-0.003875	-0.043805	0.020639	0.006762	-0.005502
197	-0.028288	-0.03172	-0.020575	-0.016629	-0.009868	0.030834	0.012952	-0.002563	-0.034188	-0.016945	-0.039106	-0.023729	-0.023744	0.000819
198	-0.032406	-0.051551	0.007685	-0.056195	-0.05698	-0.019391	-0.006472	0.011275	-0.037606	-0.048639	0.024086	0.021576	-0.0009	-0.061791
199	0.020665	0.011191	0.013413	-0.016299	0.017933	-0.040011	-0.01964	-0.018663	0.02104	-0.01746	-0.016847	-0.009532	0.016349	0.026485
200	-0.018156	0.049624	-0.006031	0.024262	0.021292	-0.000545	-0.046272	0.001181	-0.016992	0.031389	0.034539	0.020331	-0.005489	0.051522
201	0.000025	-0.000214	-0.039602	0.029579	0.005001	0.020087	-0.015249	0.002017	-0.035484	-0.034954	-0.016553	0.055091	-0.0035	-0.021601
202	0.057424	0.023838	-0.067318	-0.030934	-0.018286	0.048359	0.024009	0.040974	-0.007083	-0.043709	0.001405	-0.046222	0.019657	0.022739
203	-0.057745	-0.013817	0.020675	0.009906	0.021787	0.014364	-0.055357	0.008419	-0.019062	0.101472	-0.035142	-0.014629	0.025084	0.043737
204	-0.032993	-0.019912	0.000389	-0.010677	-0.01632	0.045321	0.008556	-0.01622	-0.000118	-0.04392	-0.017208	0.062126	-0.000907	0.06405
205	0.011686	-0.095665	-0.053591	0.015594	0.002074	0.030398	0.012418	0.060777	0.04213	0.015757	-0.017711	-0.020213	-0.06522	-0.0746

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
206	-0.040996	0.011594	-0.012028	-0.043741	-0.033955	-0.035073	-0.01476	0.101422	-0.00358	0.074816	-0.000203	-0.053527	0.003163	-0.034032
207	-0.043732	-0.017113	0.049253	-0.009525	0.045704	0.000031	0.037885	-0.018823	0.043964	0.001919	0.036276	-0.000842	0.001591	-0.01174
208	0.001173	0.059121	0.019288	0.012001	-0.014765	-0.021426	0.037973	-0.018772	0.020665	-0.047067	0.030955	-0.045576	0.028869	-0.033097
209	0.013041	0.00362	0.026997	0.013091	0.029442	0.018608	0.01818	-0.002987	0.056748	0.022897	0.032899	0.000421	0.010967	0.031431
210	-0.020112	0.023386	0.09133	0.010659	0.015062	0.02029	-0.005247	0.040471	-0.032318	-0.080285	-0.011695	0.019256	0.039212	-0.031963
211	0.063995	-0.000189	-0.031514	0.01563	-0.013246	0.025031	0.001767	0.007756	-0.069299	-0.000904	-0.021067	0.00153	-0.003706	0.006241
212	-0.013198	0.006195	-0.010979	-0.033365	-0.029197	-0.003908	0.000379	0.012557	-0.008878	-0.030223	0.003259	0.013799	-0.025384	0.000269
213	-0.050097	-0.053361	-0.084408	-0.002508	-0.020558	-0.041193	-0.022916	0.006184	0.013572	0.039224	0.013952	0.001214	-0.012568	0.014667
214	0.032203	0.04094	-0.048482	0.018167	0.018171	0.037347	-0.013914	0.036728	0.029706	0.001402	-0.001433	0.011591	0.013226	0.007957
215	-0.020658	0.000895	0.010068	0.005806	-0.003859	-0.057661	0.010563	0.040119	0.027842	-0.014741	0.012467	0.044495	-0.012085	0.03567
216	-0.037061	-0.035158	-0.014834	-0.014922	-0.007045	-0.006529	0.001534	-0.010359	-0.006767	-0.002228	-0.004824	-0.014244	-0.023796	0.008211
217	0.012439	-0.015	0.026983	-0.006088	0.015779	-0.031974	0.011774	-0.024328	0.046223	0.060851	-0.009937	-0.015287	0.037678	-0.014538
218	-0.051949	-0.006879	0.00385	-0.033942	-0.012251	-0.019585	0.012684	0.016709	0.011644	-0.034191	-0.011417	0.022398	-0.013552	0.037761
219	-0.079983	-0.029509	0.032521	-0.02352	-0.015917	-0.026379	0.006534	0.002438	0.012248	-0.053931	0.002559	0.026431	-0.023555	0.018872
220	0.037382	0.038002	0.007474	-0.004347	0.026627	0.003872	0.039415	-0.036809	-0.022604	0.069656	0.013808	0.013184	0.029148	0.059221
221	-0.019879	-0.066398	-0.036712	-0.016241	0.000114	-0.006134	-0.026856	-0.010054	-0.012743	0.019932	-0.002143	-0.005902	-0.003094	-0.004626
222	0.026769	-0.015866	0.017878	-0.030086	-0.018534	0.017719	-0.034633	-0.051842	-0.020937	0.035493	0.010797	0.020284	0.007366	-0.011228
223	-0.033905	0.029343	-0.000803	0.02328	-0.018971	0.000485	-0.034953	-0.026239	-0.00881	0.004631	-0.010118	0.026734	-0.017734	0.000567
224	-0.002778	0.041225	-0.00624	0.003378	0.009616	-0.010399	-0.006121	-0.070128	-0.022545	-0.006037	-0.009437	0.010598	-0.024791	-0.000283
225	0.003613	-0.004196	0.035473	-0.019666	0.004955	-0.010711	-0.02612	-0.036749	-0.04208	-0.011053	-0.013462	0.009989	-0.011191	-0.030446
226	-0.030028	0.017015	-0.005346	-0.002365	-0.025984	-0.001338	-0.03411	0.003606	-0.018068	0.006121	-0.012352	0.028358	0.018874	0.012263
227	-0.041638	0.018485	0.02681	0.015422	-0.020398	0.032301	-0.00026	0.086842	0.018205	0.044563	-0.021369	-0.032707	0.00458	0.023508
228	-0.064896	0.033676	-0.025852	-0.020688	-0.022001	-0.03636	0.025274	-0.025796	0.009426	-0.032345	-0.017735	0.003914	-0.01844	-0.07044
229	-0.006243	-0.002249	0.031737	-0.041417	0.023367	0.017929	-0.044372	-0.024153	-0.020998	0.03375	-0.014897	0.021022	-0.013779	-0.01679
230	0.014903	0.033009	-0.000013	-0.015155	-0.012422	0.000024	-0.035826	0.001052	-0.013745	-0.003405	-0.015843	0.035793	-0.020587	0.01333
231	-0.037114	-0.00949	-0.017466	-0.023183	-0.033111	-0.015523	0.058575	-0.036842	0.022676	-0.040973	-0.010592	0.02981	-0.019312	-0.023547
232	-0.021921	-0.06567	-0.00408	-0.03999	0.035432	-0.036582	0.015722	-0.076965	0.009065	0.023617	-0.006266	0.037999	0.021832	-0.038343
233	0.024196	0.014194	-0.013584	-0.007177	0.036902	0.013638	-0.025469	-0.009457	0.006852	0.091158	0.016423	-0.007454	0.049345	-0.012366
234	-0.02195	0.05382	0.03884	0.002025	0.015292	0.080337	-0.028461	-0.049301	-0.041379	0.00399	-0.020895	-0.078886	0.001499	0.010397
235	0.039696	-0.022037	-0.062465	0.009633	0.011382	-0.02513	0.01875	-0.041644	0.014944	-0.026477	-0.041278	-0.013519	-0.029809	-0.011949
236	-0.016273	-0.001442	0.015683	-0.005602	-0.000288	-0.003837	-0.00683	0.048644	0.023212	0.044141	0.025676	0.015235	0.014095	-0.01154
237	-0.007964	0.009287	0.060351	0.0267	0.003279	0.005897	0.002178	-0.007042	0.005105	-0.001431	-0.02906	0.018219	0.017676	-0.066431
238	0.018209	0.038899	-0.001382	-0.000427	-0.024422	0.011402	0.022508	0.030888	-0.033209	-0.006398	-0.003861	-0.025335	-0.003475	-0.006099
239	0.019214	-0.024256	-0.025247	-0.019285	0.001948	0.024053	0.014467	0.021382	-0.023838	-0.043814	-0.010328	-0.022766	-0.007965	-0.002536
240	0.081291	-0.013454	-0.064818	-0.002407	-0.017726	-0.022551	0.01128	0.023039	0.055997	-0.009657	0.028603	0.034385	0.000418	0.015945
241	0.015501	-0.028943	0.046707	-0.003559	0.014044	0.044845	0.001239	-0.031788	0.009566	-0.000516	-0.039131	-0.0223	0.028776	-0.005427
242	0.05564	-0.0202	-0.043627	0.013388	0.01438	-0.020863	-0.035569	-0.040013	0.008762	0.000911	0.023365	-0.021666	0.005491	-0.020679
243	0.038591	0.013059	0.036299	0.009371	-0.022867	-0.011871	0.001661	-0.0121	-0.002899	-0.015044	0.013161	-0.046039	-0.004469	-0.00158
244	-0.017122	-0.053318	-0.008101	-0.006318	0.023073	-0.031076	0.001132	-0.035068	-0.02344	-0.002341	0.002947	0.004406	0.03367	-0.037447
245	-0.031134	-0.056847	-0.020943	-0.036914	-0.000552	0.013685	0.022381	0.050236	0.023178	-0.094735	-0.02129	-0.029116	-0.018704	-0.008771
246	0.007264	-0.049464	0.032361	-0.004785	0.002617	0.020681	0.037039	0.027784	0.003129	-0.001469	-0.010887	-0.00591	-0.017567	0.00314

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
247	0.020998	-0.01812	0.033614	0.036456	-0.010325	0.023908	-0.017408	0.00777	-0.008069	0.030113	0.003096	-0.006513	0.010676	-0.038768
248	-0.010534	-0.020838	0.0242	0.004309	-0.01432	-0.03309	-0.019688	-0.032378	-0.03545	0.011578	0.015355	0.023963	-0.004263	-0.045165
249	0.020001	-0.001931	0.032668	-0.022193	-0.049158	-0.019907	0.017408	0.046946	0.016168	-0.0042	0.023756	-0.020118	-0.011998	0.032221
250	0.002892	-0.025358	-0.007886	0.010204	0.006626	-0.010988	0.033514	-0.010031	0.026527	0.010844	0.005426	0.045136	-0.016222	-0.020496
251	0.057539	-0.051195	-0.001138	-0.033352	-0.017643	-0.019168	0.028123	-0.023325	0.040793	-0.000725	0.000839	0.06298	0.016585	-0.011885
252	0.036934	0.000832	-0.004107	-0.019929	-0.044312	-0.026704	-0.017048	0.022303	0.007688	-0.055457	-0.000882	0.022274	-0.008365	0.032566
253	0.027193	0.010777	-0.021541	-0.016614	0.019101	-0.00562	0.039157	-0.027664	0.010978	0.024774	0.027633	-0.051916	-0.007572	0.014574
254	0.006086	0.033772	-0.015005	0.037313	0.003462	-0.007154	0.000178	-0.012382	-0.01272	-0.00621	-0.001169	-0.024066	-0.011493	0.002995
255	0.019803	-0.024039	0.008974	-0.007868	-0.025949	-0.036074	0.050459	-0.037501	-0.000068	0.009068	0.015945	0.011498	0.00325	-0.001441
256	0.000307	0.01611	0.041451	-0.019935	-0.022665	-0.014481	0.055178	0.012879	0.015943	-0.015316	-0.014109	0.000783	-0.027583	0.050441
257	-0.035379	-0.021729	-0.031331	0.022125	0.016966	0.014359	-0.02722	0.007366	-0.021784	0.014659	0.022503	0.012306	-0.037037	-0.009773
258	0.034133	-0.042744	-0.004872	0.01264	0.004489	0.042881	0.008475	-0.002424	0.006217	-0.013292	0.005736	-0.033788	0.017244	-0.010292
259	0.003215	0.012336	0.014864	0.011792	-0.00037	0.010611	-0.030214	0.012453	0.003084	-0.033248	0.029374	0.009103	0.003518	-0.012216
260	-0.056364	0.042021	0.001267	0.016823	0.034064	0.017687	-0.04933	0.039907	0.011554	-0.008837	0.013434	0.056821	-0.012042	0.000711
261	-0.004508	-0.003201	0.045251	0.025152	0.001865	-0.013866	-0.013422	0.05324	0.000972	-0.010033	-0.018126	-0.01176	-0.001222	0.025955
262	-0.000047	0.025245	-0.001594	0.015879	-0.003145	0.016506	-0.045084	0.013642	-0.007379	-0.021145	-0.018	-0.029179	-0.020836	0.031895
263	-0.018394	-0.002695	0.009849	-0.047911	-0.039661	-0.041634	-0.007257	0.018126	-0.033433	-0.008605	0.001047	-0.020506	-0.052555	0.001987
264	0.003141	-0.032195	0.001545	-0.014326	0.024444	0.023405	0.042411	-0.066789	-0.032135	-0.008819	0.030889	-0.017624	0.01888	-0.017638
265	0.024288	0.003612	-0.015797	0.034071	0.044649	0.017599	0.029465	-0.019854	-0.008046	0.008561	-0.011298	0.00492	0.005034	0.035652
266	-0.013962	0.052366	0.026813	0.009618	0.020351	-0.01421	0.009474	0.039327	-0.007703	0.003465	-0.043652	0.034997	0.009271	0.009529
267	0.03132	-0.031973	-0.033749	0.029607	-0.011105	0.016882	0.023417	0.070565	0.009489	-0.025484	-0.007222	-0.094944	-0.008056	0.060942
268	-0.011756	-0.000212	0.018699	-0.010075	-0.019609	-0.001626	-0.042149	-0.007307	-0.028058	0.031793	-0.000119	0.00149	0.004875	0.007246
269	-0.019927	0.012302	0.044542	-0.01075	-0.042046	-0.043571	-0.034424	-0.015878	-0.017349	0.039531	-0.013826	-0.006915	-0.012091	0.000683
270	-0.007263	-0.005954	0.022996	-0.001515	-0.028228	-0.02994	-0.000946	-0.028431	0.01803	0.027318	0.007256	-0.034453	-0.001838	0.000873
271	0.048971	0.006575	-0.014968	0.010735	-0.004062	-0.016454	0.029731	0.02832	0.064829	-0.053515	0.014816	0.025659	-0.012247	-0.116223
272	-0.08698	-0.049612	-0.019171	-0.039907	-0.024615	0.008777	0.041329	-0.057457	-0.008757	-0.008299	0.022831	0.012745	0.000119	-0.013156
273	0.037696	0.016661	-0.03415	-0.003546	-0.004111	0.001373	-0.04623	-0.055403	0.000948	0.008611	0.035429	0.059541	0.022334	-0.003973
274	0.03082	0.013648	-0.036527	-0.001109	0.001144	-0.011555	-0.032307	-0.050289	0.026734	-0.000999	0.019808	0.052851	0.018417	-0.010147
275	-0.0219	-0.027762	-0.017462	0.005272	-0.024441	-0.040686	-0.013411	0.020616	0.006774	-0.004202	0.021712	-0.033636	-0.008532	-0.003675
276	-0.028309	0.015867	-0.008843	-0.001565	0.008065	0.050951	0.001675	0.030627	-0.010654	0.035679	0.017375	-0.015517	0.022915	0.01954
277	0.028551	0.024509	0.004357	0.011414	0.019786	-0.006526	0.004788	-0.00216	0.006645	0.017971	0.002813	-0.008781	0.00484	-0.01489
278	0.007955	0.05067	-0.020045	0.014761	0.009347	-0.002256	0.009588	-0.000778	0.053333	0.026544	0.011658	-0.023295	-0.025488	-0.013497
279	0.00857	0.036773	-0.041451	-0.020648	0.004789	-0.005582	-0.001783	0.018718	-0.004884	-0.030331	0.016648	-0.01366	-0.009971	0.037928
280	0.021293	-0.009875	0.047295	-0.026874	-0.015368	0.029237	0.013262	0.029111	-0.001183	0.049633	0.005844	-0.043537	0.042538	0.014538
281	-0.038308	-0.061725	-0.025806	0.000648	0.004765	0.018977	0.013652	-0.010322	-0.01221	-0.031722	-0.024746	0.006697	0.006277	0.052766
282	-0.024006	0.036647	-0.032612	-0.00778	-0.040183	-0.013138	0.025834	0.049783	0.009388	0.030484	0.00584	-0.0022	-0.024097	0.052394
283	-0.015754	0.053476	0.001856	0.016379	-0.009336	0.024928	-0.007354	0.050346	0.073303	0.021205	-0.001008	0.009961	-0.018973	-0.010073
284	-0.019498	-0.014556	-0.047526	0.023324	0.042439	0.037286	-0.011804	-0.016431	-0.019049	0.022236	0.027458	-0.007093	-0.020002	0.012641
285	-0.012656	0.047345	-0.027012	0.003605	0.021055	0.015917	0.019717	-0.016575	0.011377	0.028048	0.03213	-0.004499	-0.041317	-0.008353
286	0.005559	0.016893	-0.004948	0.010782	0.018616	0.033695	0.026255	-0.022018	-0.008246	0.001984	-0.00012	-0.022135	0.028771	0.003451
287	-0.019605	0.035011	0.006814	0.001374	-0.014887	0.031222	0.013393	0.012739	0.015949	-0.01151	-0.019196	-0.003426	-0.000829	0.001842

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
288	0.021266	0.052704	-0.02327	-0.025326	0.0051	0.025758	0.028537	0.028998	0.071789	-0.001939	0.018527	0.032421	0.004032	0.021705
289	-0.009	0.004625	-0.002839	-0.002629	0.004196	-0.008796	-0.00408	0.026978	0.031873	0.002505	0.002951	0.03274	0.002636	0.024607
290	0.016233	-0.028544	-0.037051	-0.016459	-0.007223	-0.01709	-0.018523	0.010702	0.013383	0.008769	0.007835	0.001016	-0.016224	0.014658
291	0.018002	-0.049634	-0.039096	-0.018215	-0.008248	-0.023156	-0.01219	0.011677	0.008212	0.003718	0.005808	-0.010312	-0.020179	0.003245
292	0.022125	-0.05792	-0.013269	-0.023923	-0.002548	-0.004397	0.015313	-0.044962	-0.015907	0.016835	-0.018747	0.003711	0.000484	-0.022253
293	-0.110618	-0.037412	0.009422	-0.011665	-0.002412	0.047218	-0.070897	0.056872	-0.012041	0.04776	0.02359	-0.00967	-0.012185	-0.005662
294	-0.011316	-0.045134	0.030157	0.019539	0.014777	-0.045914	0.024171	-0.015091	0.016225	-0.049044	0.007149	0.014449	0.000658	-0.034694
295	-0.012206	0.014055	-0.04973	0.04264	0.019992	0.012123	-0.033946	0.045835	0.02682	-0.035896	0.005328	-0.004742	-0.023259	0.001014
296	0.041543	-0.001503	0.015234	-0.00937	-0.015701	-0.043125	0.050627	-0.02053	0.00412	-0.02016	-0.031805	-0.043898	-0.014864	-0.000356
297	0.00355	0.01757	-0.01749	0.001313	0.000923	0.055032	-0.032213	-0.03221	-0.004399	-0.007943	-0.01329	-0.013795	-0.024517	0.004791
298	-0.031443	0.002784	0.071093	-0.020499	-0.003851	0.025066	-0.025024	0.043442	-0.032857	-0.022575	0.005521	-0.029005	-0.039251	-0.055379
299	-0.005391	0.002274	0.023875	-0.039347	-0.005167	0.00883	-0.03381	0.007056	-0.008106	0.035179	-0.0271	0.009006	0.018483	-0.023328
300	-0.048882	0.013419	-0.001166	0.030289	0.021696	0.106747	-0.021424	0.053951	-0.04068	-0.026996	-0.025578	0.01746	0.017368	-0.04859
301	-0.041985	-0.011461	0.015261	0.005465	0.016734	0.033163	-0.019222	0.032173	-0.048755	0.054866	0.010135	-0.037079	-0.046977	0.029181
302	-0.005424	-0.073593	0.020662	-0.040141	-0.015791	-0.055659	0.03419	0.037885	-0.004035	-0.026535	0.005048	0.013076	-0.015138	0.009823
303	-0.02475	0.011068	-0.030948	0.042903	0.013616	-0.013008	-0.010482	0.010973	0.005561	-0.018567	-0.014774	-0.024358	0.042671	0.019917
304	0.056021	-0.037659	-0.019685	-0.040689	0.003309	-0.005583	0.014452	-0.00694	0.02525	0.026605	-0.010028	-0.01641	0.051356	-0.035663
305	0.460094	-0.002561	0.028994	0.027122	0.024726	0.002837	-0.033427	-0.011005	-0.036922	0.029303	-0.015957	-0.051013	0.010052	0.018817
306	-0.066948	0.626505	-0.058062	-0.096223	-0.025669	-0.097339	0.001305	-0.01518	-0.031436	-0.012728	0.00864	-0.020529	-0.001736	-0.044031
307	-0.021887	-0.048567	0.251242	0.032022	0.048745	-0.016188	-0.044263	0.003176	0.028072	-0.042581	0.014797	0.062603	0.01696	0.023523
308	0.004226	-0.086025	0.067726	0.775875	-0.092613	-0.063554	0.044101	-0.004949	-0.007998	0.046426	-0.023687	0.012557	-0.037978	-0.043097
309	0.008337	-0.010768	0.050766	-0.08412	0.834702	-0.097895	-0.001267	0.078435	-0.019866	-0.01535	-0.044189	-0.016432	-0.097889	-0.040526
310	0.029136	-0.107492	-0.009142	-0.088254	-0.064743	0.641038	0.033535	0.01599	0.021793	-0.070813	0.030493	0.059486	-0.045813	-0.030841
311	-0.03465	0.030554	-0.01797	0.051622	-0.009469	0.038103	0.76978	-0.007887	-0.093585	0.027991	-0.0302	0.032941	-0.028426	-0.022293
312	-0.026083	-0.005304	0.019174	0.031722	0.035633	0.012839	-0.059083	0.323462	-0.034557	-0.075079	-0.052995	0.022838	0.047595	-0.026371
313	-0.080765	-0.014431	0.062669	-0.019756	-0.041238	0.021161	-0.083825	-0.049023	0.721287	0.008919	-0.052262	-0.038087	-0.032057	-0.016061
314	-0.010543	-0.032185	-0.021052	0.006267	-0.005698	-0.063196	-0.031471	-0.071047	-0.052826	0.370805	-0.039881	-0.023996	-0.05376	-0.103498
315	-0.052863	-0.010691	0.017848	-0.019565	-0.054958	0.010884	-0.047122	-0.023105	-0.067005	-0.035073	0.81994	-0.034615	-0.045627	-0.032652
316	-0.030375	-0.000366	0.012807	0.030672	0.011792	0.02506	0.010204	0.005076	-0.025784	-0.009499	-0.029017	0.2887	-0.005411	0.03154
317	-0.018992	-0.002313	-0.021385	-0.014723	-0.0928	-0.046107	-0.044231	0.06757	-0.024941	-0.069211	-0.073877	-0.005876	0.77867	-0.086696
318	0.036755	-0.040493	0.04803	-0.040075	-0.048671	-0.014555	-0.051165	-0.058968	-0.041317	-0.04487	-0.048245	0.016684	-0.079237	0.631818
319	0.007983	0.018622	-0.009232	-0.034396	-0.055393	-0.046246	-0.006086	-0.030076	-0.030844	-0.01464	-0.12212	-0.007176	-0.100365	-0.069261
320	0.131266	-0.015013	-0.027066	-0.041643	0.017086	-0.034985	-0.019349	-0.01421	-0.028908	0.006564	0.002181	0.089398	-0.027457	-0.073055
321	0.061214	-0.049505	-0.037791	-0.022448	-0.028888	0.016392	-0.001713	0.026062	-0.061912	-0.036473	-0.057631	-0.027125	0.020978	0.039969
322	0.032355	0.028928	-0.070434	0.020987	-0.014273	-0.021975	0.012624	-0.018368	0.050282	-0.034512	0.04319	0.029766	0.004222	-0.000798
323	0.093643	-0.015709	-0.008837	0.05711	-0.002563	-0.033544	-0.020236	-0.010878	-0.021583	0.010584	0.006068	-0.05892	0.027281	0.034803
324	-0.035812	-0.049214	0.046119	-0.00033	-0.026275	-0.052157	0.010476	-0.00598	-0.001483	-0.01032	0.010291	-0.102421	0.034435	-0.008609
325	0.029694	0.070841	0.012866	0.014117	-0.062957	-0.011943	-0.027097	0.045846	-0.051271	0.016865	-0.042857	-0.011537	-0.045484	0.017499
326	-0.000676	-0.006098	-0.060261	-0.09963	0.044344	0.043079	-0.052935	-0.04662	0.044989	-0.107824	0.00292	0.076005	-0.037652	0.033962
327	0.042091	-0.028806	0.014289	-0.088256	-0.067416	-0.040395	0.012673	0.011267	0.004815	0.007782	-0.065349	-0.030343	-0.050978	-0.069394
328	-0.072927	-0.026926	0.022522	-0.050028	-0.03787	0.017312	0.03065	-0.040486	0.050832	-0.000811	0.01522	-0.024566	-0.013658	0.027766

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
329	0.000312	0.008238	0.011618	0.019342	-0.012023	0.003067	-0.012244	-0.035853	-0.030138	-0.000927	-0.045424	-0.004315	-0.011531	-0.025085
330	0.002973	-0.045159	0.031137	-0.014804	0.012697	-0.020362	0.012777	0.029357	-0.017224	-0.003342	0.000964	0.051126	-0.030829	0.025183
331	-0.026058	-0.035691	-0.039754	0.001628	-0.03408	-0.010273	-0.017839	-0.020646	0.006752	0.007767	-0.061577	-0.010024	0.014961	-0.007874
332	0.024553	0.068277	-0.069187	0.00782	-0.002791	-0.026409	-0.060338	-0.017063	-0.016346	0.066485	0.035705	-0.014021	0.001486	-0.018322
333	0.008976	0.016429	0.021147	-0.0067	-0.058961	-0.009449	-0.019932	0.002536	-0.018996	0.030849	-0.037325	-0.038054	-0.063883	-0.084333
334	-0.000962	0.068509	0.04196	0.028915	0.002605	0.013793	0.011193	-0.015941	0.009472	-0.002308	-0.013309	-0.007234	0.010803	0.000155
335	-0.017034	-0.029522	-0.007681	-0.073971	-0.045141	-0.069427	-0.000998	-0.016552	0.003356	0.057937	-0.029691	0.02538	-0.048102	-0.008178
336	0.022281	-0.026942	0.00155	0.031089	-0.010962	-0.019722	-0.026197	-0.039182	0.03783	-0.016068	-0.005043	-0.030609	-0.027739	-0.070636
337	-0.050218	-0.041436	-0.013317	0.030725	0.034319	0.003586	-0.020639	-0.048801	0.003758	-0.004395	0.014196	-0.085017	0.029841	0.029736
338	-0.079202	-0.016022	-0.044491	-0.004721	-0.004214	-0.00655	-0.018797	-0.050709	0.011084	-0.018389	-0.013093	-0.038238	0.007299	0.052318
339	0.035089	-0.030586	-0.056966	0.040613	0.025336	0.005642	-0.06996	-0.0233	-0.008135	-0.037486	-0.024373	-0.047747	-0.008191	0.037941
340	-0.015286	-0.033588	-0.010677	0.00484	-0.018967	0.009735	-0.004677	0.035274	0.013047	0.008335	-0.001342	-0.033674	0.009914	-0.054663

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
1	-0.038658	-0.039816	0.019608	0.089589	0.055043	-0.040706	0.000848	-0.017709	-0.042947	-0.076659	-0.050715	0.060205	0.029523	0.05696
2	-0.078001	0.005354	0.028623	-0.02011	-0.002058	-0.070962	-0.109451	-0.082869	-0.035479	-0.050498	0.005133	0.058634	-0.103579	0.064008
3	0.028452	-0.037042	-0.079843	-0.060807	-0.038182	-0.107479	0.006081	0.157621	-0.025714	-0.016126	-0.030949	-0.016938	0.027415	-0.086018
4	-0.074637	-0.069684	0.038482	0.073913	0.021807	-0.069682	0.010717	0.054897	-0.01081	-0.036737	0.005517	0.064255	-0.029389	-0.010462
5	0.043338	0.021967	0.029489	-0.058609	-0.019651	-0.039414	-0.033429	-0.131346	-0.020524	-0.018465	-0.025969	0.078479	-0.026794	0.026742
6	0.050626	0.063671	-0.04443	0.063165	0.028873	-0.05764	0.027126	0.039313	0.032016	-0.050675	0.022127	0.012862	0.001015	-0.00053
7	0.000009	-0.042832	0.037888	-0.035793	0.01848	-0.05243	-0.015578	-0.036418	-0.035921	0.029155	-0.012823	-0.035433	0.054555	0.053588
8	-0.030226	0.000393	0.053712	0.063808	-0.016746	0.050725	0.01493	-0.027048	0.00689	-0.083242	0.031622	0.034558	-0.018704	0.00696
9	0.063601	-0.052272	-0.012591	0.032388	-0.010684	-0.006987	-0.024245	0.072931	0.019723	-0.071404	0.043363	-0.073599	0.075717	-0.005668
10	0.005249	0.051902	-0.033114	0.11677	-0.103674	0.068741	0.084845	-0.004807	0.001796	0.096578	-0.023642	0.007109	-0.008327	0.089003
11	0.025132	-0.032417	0.012536	0.026917	0.053778	-0.006275	0.005433	0.017368	-0.007632	-0.013727	0.002208	0.007845	-0.027647	-0.063474
12	-0.008575	0.008888	-0.052625	-0.060426	0.033705	0.024907	0.034658	0.025352	-0.002685	0.023018	-0.032964	0.045937	-0.009967	-0.035109
13	0.082924	0.070603	-0.062487	-0.104077	-0.052391	-0.014551	0.039417	0.063847	0.040885	-0.144069	0.100717	0.113338	0.039827	-0.016234
14	0.008585	-0.004796	-0.038745	0.070221	-0.086643	-0.00908	-0.071015	-0.049642	0.069702	-0.037547	0.000632	-0.015817	-0.069018	-0.002071
15	0.081619	0.041987	0.020655	-0.069519	-0.048522	0.059777	0.081713	-0.006081	0.056153	0.121504	0.015283	0.000775	-0.060853	-0.122193
16	-0.000568	-0.042348	0.007712	-0.041402	-0.012611	0.038703	-0.02073	-0.047513	-0.020118	-0.025731	-0.005354	-0.009193	0.011989	-0.015002
17	-0.054198	-0.005221	-0.066166	-0.0605	-0.068058	0.032544	-0.00761	-0.001858	0.008052	0.01858	-0.066984	0.036961	0.020567	-0.028043
18	-0.004113	0.022199	-0.014566	-0.044386	0.038514	0.005317	0.045608	0.033024	0.01355	0.01132	0.02539	-0.050688	0.040652	0.045835
19	-0.055924	-0.034046	-0.032426	-0.119856	-0.00203	-0.068094	-0.06426	-0.025931	-0.021613	-0.040254	0.011719	-0.013899	0.000689	-0.045828
20	-0.075609	0.012262	-0.045823	0.091669	-0.07692	-0.115496	-0.046256	-0.009562	-0.115605	0.082391	-0.037229	-0.039314	-0.051717	0.011937
21	0.030406	-0.028214	-0.069449	0.104867	-0.003666	0.023259	0.02112	-0.023197	0.046165	-0.052173	0.025566	-0.026729	0.010201	-0.017456
22	0.078032	-0.043958	0.007879	0.005737	0.01887	0.061536	-0.012531	-0.034865	-0.002599	-0.041983	-0.046986	-0.000152	-0.010105	-0.012678
23	-0.032033	-0.0378	-0.028064	-0.0438	-0.053256	-0.024634	0.034135	0.002992	-0.0548	0.079481	-0.043311	-0.028747	-0.035442	0.024654
24	-0.012743	0.034587	0.037661	0.046226	0.141831	0.050769	0.060458	-0.02856	0.035435	0.186444	0.017514	0.053041	0.070991	0.014233
25	-0.012549	0.041374	0.060074	-0.063735	-0.026817	0.12488	0.054994	-0.012114	-0.02329	-0.04472	-0.061006	-0.081777	0.006454	0.035081
26	-0.042627	-0.07965	0.04823	-0.195916	-0.054985	-0.038308	-0.024984	0.022672	0.013239	0.036794	0.017106	-0.00583	-0.010254	-0.123992
27	0.038881	-0.063615	-0.036323	0.083813	-0.099471	0.033914	0.039044	0.047673	0.019472	0.006548	0.035488	-0.094172	0.030072	-0.06843
28	0.038924	0.026077	-0.010177	0.00486	0.003636	-0.066062	0.043471	0.084013	-0.006398	0.038545	-0.05029	-0.008653	0.095263	0.042849
29	0.005258	0.046032	0.016092	0.158021	-0.034419	-0.006725	0.009959	0.006686	-0.025963	-0.012495	-0.019486	-0.03932	-0.072512	0.019714
30	-0.019181	0.033866	-0.098453	-0.027506	-0.070181	-0.008124	0.022422	0.014844	-0.038201	-0.012034	-0.057969	0.02628	-0.031462	-0.020525
31	0.027364	-0.005402	-0.125224	-0.00951	-0.057951	-0.051006	-0.002836	0.012199	-0.035786	-0.082381	-0.109531	-0.000872	0.076524	-0.005131
32	0.028512	0.008273	-0.026871	0.042765	-0.023687	-0.085473	-0.053787	-0.016189	0.049332	-0.085918	0.04797	0.073505	-0.001399	0.06539
33	-0.002082	-0.035202	-0.043612	-0.059545	0.1036	0.04139	-0.013841	-0.014294	0.021749	-0.179995	0.034954	-0.019061	0.080687	0.024163
34	0.008303	0.02061	-0.052778	-0.081589	0.019044	-0.121487	-0.063575	-0.050061	0.047128	0.077627	0.001336	0.029434	-0.030922	-0.050976
35	-0.017226	-0.068909	0.060829	-0.048772	-0.030892	-0.057113	0.079924	0.003447	0.00059	0.059766	-0.007225	0.023919	0.007832	-0.034991
36	0.033954	0.046783	-0.050432	0.062629	0.028647	0.099218	0.082389	-0.030368	-0.040354	0.051841	-0.015273	0.056644	-0.052474	-0.029481
37	-0.019821	0.035574	-0.181716	0.018947	0.013198	-0.003929	-0.039794	-0.075634	0.025201	-0.031775	-0.071061	-0.072086	0.029089	-0.063061
38	0.023289	-0.056799	0.021778	0.126122	0.00903	0.03686	-0.021457	-0.015152	0.034013	-0.036249	0.023557	-0.016176	0.071885	0.094623
39	0.030037	0.096094	0.030547	0.047464	0.003472	-0.057566	0.059266	0.113618	0.046321	-0.014609	0.025984	-0.049186	0.031234	-0.017581
40	0.033605	0.093606	0.055944	-0.043301	0.063924	-0.062973	0.006712	-0.114525	0.037389	-0.013712	0.111865	-0.058566	0.003669	0.024171
41	-0.022169	-0.056157	-0.120079	-0.006465	-0.015498	0.019665	-0.090365	0.050398	-0.043658	0.026907	-0.047926	-0.051429	-0.063516	-0.025376

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
42	-0.035921	-0.090678	-0.012906	0.108544	0.047154	-0.033173	-0.043629	-0.087794	-0.002141	-0.013134	-0.044445	-0.063463	-0.00418	-0.063697
43	-0.022609	-0.046811	0.025857	-0.031406	0.031959	-0.128633	0.035885	-0.030075	0.025055	-0.007872	0.018664	0.027724	-0.017166	-0.04303
44	0.010923	-0.001029	0.042571	0.015062	-0.181069	0.153453	0.051564	0.209097	0.007985	-0.261258	-0.024452	0.050485	-0.048166	0.173914
45	-0.009145	0.044973	0.028223	-0.003816	-0.032611	0.153046	0.00838	-0.065734	0.004122	0.006745	-0.010588	0.028148	0.052925	0.092172
46	-0.082943	0.017273	-0.032727	0.015495	0.017982	-0.016791	-0.063949	-0.008344	0.007999	-0.068026	0.093161	0.072681	0.004886	-0.017224
47	-0.008861	-0.096883	0.085087	-0.011631	-0.062803	-0.01931	0.012872	-0.009833	0.017871	0.011584	-0.010684	-0.047759	-0.00616	-0.036534
48	-0.036794	0.056658	-0.092666	-0.102388	0.009933	0.049638	0.043797	0.042627	-0.004102	0.04009	-0.057513	0.005864	0.009423	-0.070805
49	0.012146	-0.015059	0.048469	-0.098634	0.056449	0.055229	-0.080681	-0.021958	-0.026676	0.085121	0.04676	0.076465	-0.052003	0.053061
50	0.029745	-0.094807	-0.067117	-0.069125	0.009269	0.033416	0.043421	-0.034751	-0.043724	-0.023649	-0.00361	-0.008786	-0.001374	0.062808
51	0.049059	0.038702	0.015304	-0.086069	-0.019212	-0.123629	0.001428	0.04037	0.010431	-0.013338	-0.004363	0.019852	-0.013174	-0.002122
52	0.02327	0.019734	-0.031898	0.040191	0.020677	-0.060313	-0.006309	0.021215	0.033788	-0.014337	0.006412	0.002484	0.021671	0.015061
53	0.046561	0.009785	0.021776	0.132856	0.025504	-0.09078	0.019556	-0.113634	-0.053273	-0.118826	0.026789	0.068368	-0.041136	-0.034511
54	0.01793	-0.026768	-0.020167	0.070417	-0.004051	-0.081958	0.044215	0.046521	-0.03624	0.083369	-0.036064	0.16493	-0.049977	-0.002736
55	-0.084472	-0.105457	-0.044078	-0.059845	-0.072702	-0.073367	-0.018002	-0.082962	0.015177	-0.097271	-0.043414	-0.118724	-0.072286	0.115903
56	0.043019	-0.007257	-0.003673	0.143153	0.008309	-0.017905	0.003254	0.011882	0.029252	0.076696	-0.006706	-0.101237	0.005817	-0.027312
57	-0.068186	0.074338	0.10948	0.046851	0.033467	0.012351	0.025468	0.049314	0.029803	0.089545	0.032739	0.110251	-0.079118	0.124695
58	0.009773	0.035797	0.062945	-0.143224	0.033542	0.084325	-0.029309	0.011302	-0.002763	-0.04777	0.002515	-0.048657	-0.015336	0.010778
59	0.021381	0.154862	0.019521	-0.040986	0.035041	-0.066829	-0.028112	-0.129634	-0.06401	0.093192	-0.073558	0.01607	-0.032619	-0.04041
60	-0.010614	0.031036	-0.018991	-0.024363	0.001746	0.116818	-0.023067	0.01263	-0.048439	-0.034463	0.092819	0.054365	-0.024193	-0.081304
61	0.035024	0.036388	-0.058926	-0.043777	-0.021234	-0.066072	-0.010003	-0.064406	0.008533	0.073869	0.020377	0.065057	0.034616	-0.043602
62	-0.035899	-0.016582	0.054068	0.015104	0.06737	-0.07187	-0.04112	-0.049638	-0.018001	0.001215	-0.069883	0.058278	-0.045629	0.038076
63	-0.040624	0.010356	0.03878	-0.00094	0.033756	0.078846	-0.01026	0.000891	-0.009361	-0.036798	0.010348	-0.083843	0.033901	0.03495
64	0.007107	-0.05063	-0.000234	-0.019465	0.007693	0.046152	0.010421	0.02968	-0.010942	0.001377	-0.01692	-0.020095	0.021179	-0.007706
65	-0.00465	-0.074325	-0.032727	0.034344	-0.086954	0.084961	-0.067448	0.043325	0.006477	0.047782	0.00671	-0.03036	0.007231	-0.003317
66	0.038934	-0.226141	0.009975	-0.066156	0.060165	0.001894	0.060319	-0.095356	-0.000112	-0.03556	0.023716	-0.072355	0.012056	-0.078706
67	-0.005212	0.058	-0.024428	-0.044249	-0.055795	0.010577	-0.017925	0.056394	-0.062561	-0.012571	-0.07846	-0.043974	-0.083871	-0.009016
68	0.009366	0.002495	0.023781	0.065943	0.00679	-0.006611	0.031425	-0.009553	0.02367	0.118692	0.03565	0.009517	0.028546	0.064028
69	0.009649	-0.101234	0.04478	0.008201	-0.020313	0.152784	0.030619	-0.070155	-0.043594	-0.021997	-0.00397	0.075371	-0.058818	-0.079736
70	0.012793	-0.118896	-0.020911	-0.059107	-0.04379	-0.021328	-0.002156	-0.098726	0.011029	0.08045	0.010093	-0.110398	-0.032175	0.106576
71	0.014963	0.076821	0.059895	0.095419	0.067484	-0.015262	-0.01849	-0.045659	-0.00748	0.015937	0.048753	0.037959	0.022104	0.036766
72	0.02727	0.00058	-0.04643	-0.104606	0.009793	-0.034397	-0.028314	0.056321	0.034517	0.124653	-0.020357	0.109296	0.017568	0.087922
73	-0.026073	0.073841	0.029618	0.013284	-0.065678	-0.088268	0.12889	0.017752	0.009513	-0.108424	0.004372	-0.167129	-0.002247	-0.127335
74	-0.025449	0.016344	-0.045302	0.121263	-0.020979	0.039033	0.020464	-0.017464	-0.028798	-0.003198	-0.055062	0.074493	-0.002206	-0.018283
75	0.062287	-0.036228	0.00876	0.006305	0.07692	0.037037	-0.028119	0.027088	-0.077123	0.005506	-0.022128	-0.091082	-0.05082	0.129336
76	-0.016469	0.072874	0.099493	0.060087	0.137276	-0.066982	0.027771	0.025047	0.090081	-0.001916	0.038762	-0.061719	0.087839	0.032867
77	-0.058876	0.018603	-0.070445	-0.007684	0.087348	-0.098687	-0.077733	0.155684	-0.054955	0.055918	-0.003174	0.010207	0.053391	-0.016585
78	-0.023685	0.001858	0.022003	0.076991	-0.100252	0.197986	0.006259	-0.026797	-0.020283	-0.035732	-0.082618	0.138657	0.021495	-0.065796
79	-0.006349	0.053269	-0.113627	-0.062344	-0.023254	-0.136265	0.023121	0.016527	-0.038656	-0.031678	-0.045114	-0.101333	0.016237	-0.013601
80	0.00668	0.071966	0.001652	0.020372	0.017366	-0.007195	0.043427	0.010674	0.003466	-0.027241	-0.001443	0.070915	-0.027	0.000706
81	-0.042694	-0.039723	0.068447	0.057707	-0.006176	-0.092037	0.063052	-0.039837	-0.007521	-0.013056	0.000901	0.076166	0.01848	-0.039554
82	-0.032406	-0.059303	0.044754	0.093216	0.046444	-0.058933	-0.03749	-0.041469	0.03263	-0.025402	0.092242	-0.14038	0.047662	-0.017097

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
83	-0.030511	-0.15714	0.021664	0.042692	0.055744	0.078238	0.030444	0.042673	-0.044837	0.134182	0.004454	-0.075699	0.055372	-0.042022
84	-0.002109	0.102271	0.016888	-0.091657	0.075839	-0.016103	-0.001653	-0.003706	-0.050321	-0.017838	-0.024081	0.087461	-0.078433	-0.038062
85	-0.011704	-0.084115	-0.033599	0.05008	-0.007634	0.023182	-0.021079	-0.13457	0.030242	-0.00389	0.055056	0.009745	-0.08131	0.041209
86	0.020225	0.03824	-0.00532	-0.002422	0.000839	0.055574	-0.040166	-0.093901	0.045875	-0.012961	0.010116	-0.07706	-0.039636	0.00128
87	0.030857	-0.029622	0.039018	0.001584	0.136403	-0.062573	-0.025279	0.055147	-0.049331	0.006253	0.073445	-0.066291	-0.021072	-0.004763
88	-0.087494	0.024732	0.007542	0.074265	0.129079	0.086638	0.040627	0.031471	0.015929	-0.014243	-0.022647	0.047764	0.019411	-0.104416
89	0.097504	0.049935	-0.061089	0.036164	0.000979	-0.016491	-0.095529	-0.041456	0.052753	-0.056825	0.070127	0.049374	0.017868	-0.042459
90	0.038613	0.004067	0.055559	-0.054794	-0.130641	0.093993	0.061137	0.014767	-0.06847	-0.036309	-0.014953	-0.047888	0.001057	0.014938
91	-0.074396	-0.06609	0.108866	0.000083	-0.046043	-0.012887	0.058403	0.078403	0.035484	0.072315	0.082262	0.030385	0.032483	-0.046939
92	-0.015136	0.062711	-0.001599	0.05823	-0.016545	0.032811	-0.07154	-0.006674	-0.060494	0.088833	-0.096992	0.001762	-0.045657	-0.057002
93	0.032772	-0.03346	-0.015494	-0.083313	-0.074392	-0.041349	0.030153	0.081979	0.018322	0.106965	0.000072	0.374243	0.011946	0.48011
94	-0.032281	0.049894	0.107917	-0.006407	0.054831	0.134219	0.03166	0.003021	0.042993	-0.186615	-0.005916	-0.032614	0.079954	-0.026303
95	-0.045082	0.007583	-0.024928	-0.037583	-0.001921	0.018666	-0.070547	0.060765	-0.025698	0.043651	-0.063038	-0.041662	-0.02701	0.007143
96	0.023278	0.021418	-0.019412	-0.063029	-0.048271	-0.030254	-0.007529	0.020924	0.024076	0.025145	-0.002066	-0.065442	0.025041	0.004261
97	-0.02195	-0.065011	-0.006246	0.020363	-0.04946	-0.016548	-0.031771	0.071383	-0.026844	-0.037973	-0.00362	-0.005459	-0.043236	-0.09951
98	0.126603	0.010494	0.027757	0.144988	-0.063948	-0.100396	0.048072	0.081795	0.018036	0.001801	0.007501	-0.015166	-0.113933	0.044075
99	-0.043922	0.036865	-0.029583	0.086265	0.014885	0.061753	-0.013414	0.013292	-0.055037	0.043144	-0.006452	-0.165148	0.014296	0.024935
100	0.007339	-0.011122	0.047239	-0.144668	-0.071334	0.066507	0.002317	-0.089355	-0.010254	-0.010326	0.015707	-0.153818	-0.000859	0.140321
101	-0.083188	-0.10463	-0.024031	0.03558	0.051349	0.067316	0.041049	-0.03086	-0.080657	-0.00278	-0.07554	-0.03053	-0.006601	-0.058936
102	0.058559	0.026729	0.043399	-0.108834	0.097225	0.033896	0.045916	-0.091152	-0.010862	-0.090475	0.007384	0.125385	-0.007298	-0.039934
103	-0.006966	-0.038336	0.01414	0.058016	-0.010473	-0.032768	-0.010857	-0.134583	0.014406	0.049378	-0.017444	0.026248	-0.007965	0.005939
104	0.008196	-0.05163	0.054298	0.047343	-0.036929	-0.018907	0.003893	-0.016241	-0.004489	-0.065683	0.037856	0.031306	0.042069	0.053649
105	-0.025957	0.0233	-0.046551	-0.008661	0.01288	-0.001166	-0.017131	-0.0098	-0.084521	0.024848	-0.027673	-0.031314	-0.048492	-0.001036
106	-0.012609	0.008077	-0.061091	0.0367	-0.023286	-0.000182	0.07423	0.013185	0.014811	-0.13724	-0.003839	-0.001477	0.020974	0.02073
107	-0.037592	-0.009701	-0.078156	0.045915	0.030154	0.019882	-0.057095	0.021896	0.040031	-0.014546	0.028009	0.010782	0.008738	0.074003
108	0.024203	0.028421	-0.043996	-0.057571	-0.040735	-0.053246	-0.150023	-0.01413	0.00924	-0.013429	0.011653	-0.093656	0.005058	0.035779
109	-0.022388	-0.013397	-0.011304	-0.010188	0.059003	0.117488	0.01066	0.053677	-0.029375	0.047504	-0.016408	-0.045789	0.008597	-0.002969
110	-0.007512	-0.000654	-0.018457	-0.031255	0.03309	-0.007701	-0.01893	-0.026151	-0.029728	-0.085435	-0.051497	-0.006499	-0.067443	0.022947
111	-0.010262	-0.076124	0.006675	0.040446	-0.025346	0.113134	0.037051	-0.05537	-0.057122	0.10615	-0.030148	0.139997	-0.03879	-0.034821
112	-0.025594	-0.046418	0.061333	0.019323	0.034634	0.005855	0.090617	0.007297	0.005474	-0.052847	0.073064	0.007383	0.03149	-0.004841
113	-0.016708	-0.012186	0.002551	0.107986	0.029038	-0.005015	-0.025068	-0.026851	0.015938	-0.012467	0.067212	0.012185	0.026584	-0.001654
114	0.015705	-0.035995	0.061268	-0.039731	0.001619	0.013704	-0.004624	-0.021034	-0.018203	0.032856	-0.008249	0.001209	-0.030802	-0.001854
115	0.037722	0.101729	0.038884	0.026284	-0.030607	0.025048	0.005688	0.117307	0.08299	0.087565	0.06856	0.016703	0.032175	0.041131
116	-0.008394	0.006891	0.033819	-0.030252	-0.041328	-0.060734	-0.006721	-0.037918	-0.013289	-0.023922	-0.055015	-0.031811	0.027849	0.038034
117	-0.023861	-0.046533	0.009017	-0.082046	-0.076635	-0.005545	0.050929	0.01839	-0.01704	-0.045422	-0.091778	-0.021078	0.007146	0.090169
118	-0.043521	0.02648	0.057551	0.00919	0.055771	0.033299	-0.06137	-0.109221	0.01274	-0.045621	-0.008036	0.058658	-0.025006	0.050287
119	0.085669	-0.049715	0.072888	-0.052393	-0.126176	-0.022401	0.04627	0.131843	-0.04908	-0.010744	0.06989	-0.017435	-0.006127	-0.059796
120	-0.023909	-0.025521	-0.033363	0.111114	0.098998	0.09313	-0.037745	-0.006253	0.013962	0.007154	0.038644	-0.033783	-0.022929	-0.005678
121	-0.013263	-0.083201	0.011922	-0.00592	0.021441	0.04597	-0.084098	0.042564	0.003139	0.033385	0.014805	-0.064584	-0.093026	-0.033645
122	-0.005565	-0.035084	0.010383	-0.041649	-0.035496	0.027243	0.08903	0.119649	-0.0375	0.044307	-0.017383	-0.012091	0.005828	0.096549
123	-0.001087	-0.042735	0.054934	-0.014953	-0.104345	0.058439	-0.068817	-0.045869	-0.019642	0.009218	-0.015089	-0.012242	-0.005111	-0.054009

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
124	0.058605	0.157863	-0.132064	0.039244	-0.039973	-0.03855	0.020683	-0.102657	0.009049	-0.032963	-0.09808	0.014951	0.011718	0.042116
125	-0.028887	0.047322	-0.045605	0.059048	0.065279	0.083764	-0.051057	-0.010398	-0.003641	0.082977	0.067104	-0.005362	-0.031937	0.051381
126	-0.016324	0.011792	-0.151983	0.052559	0.044183	-0.040083	0.001717	-0.019998	-0.05879	-0.062475	0.03642	-0.105289	0.043543	0.128039
127	0.031308	-0.051498	0.02668	0.032856	0.096744	0.040805	0.004967	0.041438	0.061725	0.054872	0.070542	0.02564	-0.015258	-0.039138
128	-0.009984	0.077616	-0.063592	-0.062449	0.038247	0.067261	0.078707	-0.087059	0.04589	0.008722	0.01616	-0.007419	-0.017402	-0.045455
129	-0.05543	0.009242	0.032233	0.06842	0.013155	-0.015313	-0.029893	-0.094626	-0.020223	-0.088752	-0.072307	0.041877	-0.0011	0.053835
130	-0.025367	0.006029	0.015235	0.055452	-0.00858	-0.032594	0.003515	0.007655	-0.02651	0.005519	0.063881	-0.010096	0.019738	0.02516
131	-0.037518	0.050575	0.01963	-0.006567	-0.036632	-0.064728	0.036831	0.02152	0.032424	-0.071281	-0.045652	0.021735	0.010115	-0.006819
132	0.017414	-0.007355	-0.009833	-0.064664	-0.032141	-0.040965	-0.044162	0.081414	-0.013128	0.060849	0.072569	-0.081437	0.014382	0.063103
133	-0.056855	-0.087934	-0.064158	0.020493	0.013476	0.03458	0.011762	0.054701	-0.052455	0.085069	0.042982	0.023115	-0.035631	0.070681
134	-0.007939	0.022658	0.00645	-0.076494	0.071148	-0.060745	0.077029	-0.081112	0.037931	-0.018491	0.064931	-0.031388	0.034831	-0.033843
135	-0.040641	-0.139986	0.146929	0.080372	0.014521	-0.023056	-0.018288	-0.125834	0.038806	0.11812	-0.041282	-0.075422	-0.060424	-0.068939
136	-0.019993	-0.054157	0.041626	-0.030746	0.064661	-0.039419	-0.013663	0.038151	-0.054617	-0.038447	0.046972	0.037197	-0.008125	-0.043824
137	0.047362	-0.008715	-0.034713	-0.006919	0.042044	-0.090185	-0.099376	0.042828	0.014498	-0.043771	0.010258	0.024599	0.037816	-0.057001
138	0.006699	0.01837	-0.051263	-0.028355	-0.028722	0.013021	-0.020148	0.022032	0.024094	-0.047088	0.009718	0.011173	-0.050174	-0.109833
139	-0.010197	-0.030054	-0.026688	0.017896	-0.008129	-0.016612	0.07895	-0.01367	-0.023791	-0.069958	-0.03738	0.066317	-0.018318	-0.089538
140	0.08378	-0.037062	-0.037955	0.054732	0.011063	0.018259	0.003429	-0.017885	0.036578	-0.022853	-0.055763	0.01142	0.042698	-0.037784
141	0.009116	0.029287	0.047633	0.066948	-0.033181	-0.029287	0.034614	0.058694	0.005099	0.062596	0.027253	-0.029001	0.022647	-0.019988
142	0.01898	0.03363	-0.042531	0.02563	0.010361	0.00468	-0.033274	0.054655	0.014677	-0.046395	0.031845	0.007716	0.011561	0.008099
143	-0.031671	-0.045083	0.062773	0.032956	0.027737	-0.016045	0.009607	0.000183	0.021916	0.001718	0.031498	0.01135	-0.025103	-0.00831
144	0.005037	0.004124	-0.017582	-0.007469	0.00291	0.002718	-0.045848	-0.060407	0.015856	0.033336	-0.004592	-0.012866	-0.033405	0.030814
145	0.029145	0.023218	-0.093896	-0.050549	0.024303	0.05733	-0.004985	0.045206	-0.017712	-0.040666	0.011065	-0.01458	-0.016759	-0.013875
146	-0.010395	0.04259	-0.015659	-0.011259	-0.025504	0.026538	-0.015491	0.010916	-0.003093	-0.0247	0.034386	-0.014127	-0.021894	0.055686
147	0.010791	0.045524	0.005538	-0.003381	-0.034366	-0.016972	-0.006281	0.014918	-0.014832	-0.012869	-0.024543	0.028537	-0.003249	-0.010608
148	-0.02542	-0.008504	0.038344	-0.00658	0.047942	-0.006774	-0.044964	0.006933	-0.014864	0.098919	-0.016424	0.067121	-0.009389	0.001949
149	-0.00805	0.013059	-0.065487	-0.093647	-0.003222	-0.013408	-0.011048	0.011794	-0.017417	-0.028951	-0.051906	-0.026161	0.006078	0.054745
150	0.016746	-0.065564	-0.006613	-0.035551	-0.030087	-0.017387	0.00552	-0.026098	-0.065056	0.032046	-0.046475	-0.021926	0.000736	-0.026035
151	0.018227	0.049958	0.045692	0.054058	0.009231	0.028675	0.00304	-0.033346	-0.008673	-0.044532	0.009647	0.009643	-0.013991	-0.064466
152	-0.064475	-0.041118	-0.037422	0.021726	0.050478	0.026232	0.004315	-0.042737	-0.046156	0.001348	-0.065558	-0.015029	0.036793	-0.003379
153	-0.047723	0.057624	-0.03092	0.061827	-0.047634	-0.010252	0.045473	-0.014906	-0.013647	-0.040825	-0.021185	0.004015	0.037722	0.030145
154	0.057889	-0.022637	0.017934	-0.004527	-0.000093	0.057216	-0.023184	-0.017748	0.010898	-0.016903	0.007291	0.023015	-0.002195	0.031564
155	0.007167	-0.019466	-0.016444	-0.02047	-0.035474	0.055321	0.030855	-0.042948	0.007663	-0.047771	0.008376	0.056995	-0.0021	-0.023566
156	-0.066136	0.015055	0.040259	0.039677	-0.022844	-0.010537	0.010251	-0.008527	-0.006837	0.049361	-0.016656	-0.010672	-0.005302	0.006027
157	-0.019236	0.04347	-0.038218	0.005498	0.001797	-0.037151	0.062515	-0.024719	0.034418	0.000635	-0.001537	-0.048041	-0.035665	0.044018
158	-0.032044	-0.0572	0.012731	-0.072638	-0.001225	-0.064287	0.058104	-0.020651	-0.017375	0.006932	-0.005276	-0.016564	-0.021848	0.066679
159	0.029256	-0.013987	-0.060315	0.033046	-0.011519	-0.011816	0.011901	-0.019112	-0.005459	-0.007135	0.014855	0.012445	0.007684	-0.007469
160	0.041374	-0.004691	0.047228	-0.048938	-0.011782	-0.005473	-0.039457	0.019369	0.020135	0.032659	0.030906	-0.040705	0.039466	0.010206
161	0.007951	-0.008935	0.010114	0.043495	-0.026535	0.056524	0.057453	0.049643	-0.017158	0.000515	-0.030902	-0.0167	-0.040166	0.05401
162	-0.002339	-0.014689	-0.033821	-0.033911	0.003151	-0.069073	-0.013993	0.017432	-0.015306	0.032649	-0.011556	0.037144	-0.059261	-0.006364
163	0.007621	0.005729	-0.019719	-0.027179	0.035275	-0.014104	-0.004294	0.054652	0.039531	0.026341	-0.002788	-0.04334	0.035506	-0.001718
164	0.016051	0.044662	-0.013788	0.004698	-0.104419	0.052191	0.003845	-0.025724	-0.026501	0.03529	-0.008904	0.015425	-0.023029	0.003795

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
165	0.011618	-0.041999	-0.037546	0.070171	0.009421	-0.090527	0.039123	0.028021	0.000905	-0.010848	-0.065828	0.035345	0.008879	-0.049409
166	-0.03832	0.029896	0.015896	-0.00291	-0.006778	0.002311	0.047716	-0.006874	0.048642	0.065481	0.030943	0.002695	0.010954	-0.011562
167	0.010941	0.040156	0.019845	-0.034989	-0.011987	-0.0617	0.04388	-0.030785	-0.04039	0.032227	-0.063661	-0.07542	-0.028834	-0.004456
168	-0.01268	0.02095	-0.045174	-0.0445	0.066208	0.061163	0.009146	-0.050523	-0.003787	0.011782	0.016526	0.058592	-0.010485	0.009368
169	0.003566	-0.002383	0.020253	-0.009009	-0.02391	0.056007	0.013155	0.014107	0.017987	0.026889	0.021579	-0.001788	0.006647	0.010825
170	0.008878	0.047902	0.013174	-0.004346	0.007303	0.009255	-0.012931	-0.000701	0.013376	-0.014186	0.032657	0.007402	0.022155	0.017979
171	0.014153	0.012461	0.017732	-0.000572	-0.038658	0.006889	0.009874	0.009443	0.029738	0.030218	0.025362	-0.004804	0.021243	-0.018317
172	-0.003896	0.005947	0.044	-0.011396	0.028363	0.089296	0.01719	0.022688	0.00212	0.034599	0.00143	0.017825	0.020778	-0.037663
173	0.01049	0.052939	0.011141	0.051295	0.011962	0.020315	0.004406	0.042231	-0.004248	0.003592	-0.018832	0.009823	0.00924	-0.02072
174	0.019861	-0.038245	-0.010271	0.040432	-0.026676	0.040843	-0.008794	0.025703	-0.044409	0.018682	-0.002416	-0.020459	0.011341	-0.024911
175	-0.034428	0.002298	-0.004497	-0.068629	-0.004653	-0.011387	-0.004448	0.048866	-0.018039	0.028132	0.017118	0.000842	-0.015956	-0.028544
176	-0.007833	0.052236	0.050881	-0.072886	0.000429	0.058847	0.018681	-0.041841	0.038	-0.026496	-0.00221	-0.081968	0.018886	0.019861
177	0.049277	-0.018982	-0.027209	-0.027564	0.062286	-0.023138	-0.001883	0.006655	-0.01919	0.078441	0.041081	-0.028283	-0.005432	-0.004584
178	0.01166	-0.065719	0.013918	-0.041942	0.032341	-0.019208	0.01739	0.055985	0.009105	0.004129	0.023446	-0.013616	0.003838	-0.008167
179	0.004926	-0.002602	0.009126	-0.015113	-0.007983	-0.000224	-0.01017	-0.00557	0.017026	0.034086	0.020089	0.041383	0.021309	-0.045831
180	-0.018913	0.017123	0.008422	-0.015464	0.03166	-0.017108	-0.011423	-0.02997	0.001043	0.017031	0.002714	0.029329	0.017185	0.003287
181	-0.0251	-0.019261	0.036287	-0.016127	-0.00877	-0.019849	-0.004834	-0.019694	-0.005621	0.00558	0.013854	0.011041	0.021766	0.007595
182	-0.004758	-0.031052	0.052589	-0.020397	0.014038	-0.025979	-0.028497	-0.028105	-0.008535	0.020127	0.017776	-0.00677	-0.013933	-0.017074
183	0.030522	0.022591	-0.012049	0.012752	-0.023587	-0.019506	0.011218	-0.015364	-0.001642	0.000274	-0.002651	-0.003086	0.006099	-0.028297
184	0.009733	-0.003953	-0.077315	0.079443	0.008802	-0.035141	0.009449	0.063821	0.024666	-0.024516	-0.000234	0.021595	0.029566	0.016543
185	-0.035784	0.01594	-0.007932	-0.001444	-0.036313	0.039242	-0.030862	0.024799	0.002983	0.002838	-0.034677	-0.016159	0.001886	-0.038548
186	-0.002362	-0.005087	-0.037183	0.0023	-0.060889	-0.00536	0.033086	-0.02078	-0.047	-0.012002	-0.047145	0.023433	-0.009492	0.001968
187	0.0103	0.045533	-0.000426	0.036731	0.037847	-0.02611	0.03933	-0.025423	0.02674	-0.034946	-0.001696	-0.030406	-0.006525	0.019028
188	0.027989	0.007801	0.010487	0.023122	0.026741	-0.00055	-0.008199	-0.008815	-0.003527	-0.040179	0.016398	-0.013155	-0.00966	-0.006636
189	-0.000771	0.071876	0.004923	0.016505	0.014475	-0.040465	-0.051555	-0.075842	0.010606	0.005087	-0.001974	-0.030379	-0.044986	-0.003094
190	-0.003919	0.055962	-0.003174	0.035823	0.061612	0.032347	-0.042703	-0.016622	-0.022832	-0.009554	0.061498	0.027415	-0.025028	0.009974
191	-0.013101	-0.027745	-0.008572	-0.017187	0.067025	-0.019264	-0.022003	0.029313	-0.047868	0.004913	0.042157	-0.004731	-0.001594	0.040277
192	0.009499	0.007165	-0.052959	0.036052	-0.033896	-0.009476	-0.015635	0.014839	-0.035768	0.025978	-0.030421	0.042168	0.0085	0.01082
193	0.019814	0.0424	-0.003128	-0.017302	0.025677	0.031237	0.038671	-0.054711	0.051395	-0.038566	0.023147	0.008295	0.007149	-0.013367
194	-0.041122	-0.064	-0.032831	0.020223	0.006071	-0.051823	-0.011152	0.077883	-0.02591	-0.027262	-0.004541	-0.006511	0.022037	0.059615
195	0.004789	-0.018682	0.045155	0.107675	0.042737	-0.020997	-0.015329	-0.028544	0.025287	0.053399	0.001967	0.022655	0.009778	0.021232
196	-0.04707	-0.010456	-0.037407	0.079326	0.043757	0.017805	-0.009693	-0.028552	-0.022572	0.03188	-0.012558	-0.021746	-0.013572	-0.021493
197	-0.021582	0.013635	-0.048686	0.036175	-0.057933	-0.007378	-0.001712	0.001144	-0.051659	-0.083462	-0.023779	0.011636	0.008481	0.013458
198	0.012209	-0.005763	-0.0107	-0.054204	0.032488	-0.006027	-0.005213	0.043326	0.000226	0.067305	-0.01	-0.069168	-0.005065	0.049581
199	-0.029523	-0.049652	0.000948	-0.089442	-0.060806	0.034821	-0.028997	0.029511	-0.006631	-0.006021	0.019502	-0.013723	-0.020483	0.018556
200	0.005128	-0.0193	0.02147	0.041981	-0.021434	0.055962	0.001529	-0.058488	0.041151	0.035784	0.00735	-0.023872	0.026576	0.038602
201	0.035823	0.058581	0.012387	0.046851	-0.034852	-0.000021	-0.00936	0.01323	0.031121	-0.008374	-0.005494	-0.068017	-0.009108	0.068086
202	-0.018	0.048759	-0.006295	-0.000186	0.021243	-0.003639	-0.009073	0.028034	-0.00751	-0.058522	0.03213	-0.01933	0.007049	-0.013155
203	0.010342	0.031033	-0.023301	0.028332	-0.026675	-0.010492	0.008631	-0.084899	-0.0143	-0.001583	-0.052185	-0.016839	-0.034465	0.046928
204	-0.014876	-0.039896	0.021098	-0.004051	-0.019001	0.012582	0.053886	-0.029507	-0.012486	-0.004668	-0.044621	-0.007285	-0.041116	0.081755
205	-0.005032	-0.014104	0.06382	-0.008246	0.027237	0.008969	0.001361	0.016412	-0.012782	0.036382	0.015474	-0.060324	-0.0113	0.076489

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
206	0.001719	-0.03488	0.02979	0.033041	0.014154	0.023835	0.039986	0.100177	-0.030315	0.031236	0.047984	0.016496	0.036448	0.023728
207	0.032857	-0.066212	-0.001768	0.08768	0.035355	-0.033295	-0.036313	-0.004173	-0.040856	0.033507	0.028472	-0.01997	0.027954	-0.030144
208	0.001251	-0.022975	-0.014119	0.02187	0.028149	-0.052013	-0.016439	0.021481	-0.014448	-0.015028	-0.019171	-0.004855	0.031641	0.035922
209	0.021648	0.037776	0.005385	0.01085	0.030604	-0.00992	-0.048424	0.062317	0.01864	-0.029452	-0.023542	0.052635	-0.021817	0.026899
210	0.012771	-0.013788	-0.051218	0.006134	-0.053651	0.017819	0.007606	-0.048172	0.040471	0.027533	-0.000799	-0.037684	0.00028	0.009419
211	-0.006173	0.000309	-0.065349	-0.005896	-0.045018	-0.03718	0.014701	0.047231	0.024039	0.013318	0.010836	-0.041211	-0.003852	0.021212
212	0.021913	0.037131	-0.015459	0.021737	-0.013735	0.023718	0.029653	-0.032246	-0.034282	-0.005354	-0.053521	0.020603	-0.046257	-0.02837
213	0.005426	0.053096	0.048923	-0.017542	0.00481	0.011933	-0.036577	0.003921	0.001212	-0.019333	-0.013278	-0.015979	-0.04734	0.014509
214	0.020442	0.038028	-0.029334	0.016521	-0.0183	-0.019505	-0.025549	0.001242	0.010974	0.041845	-0.008801	0.058808	0.014577	-0.025112
215	0.01669	0.046379	-0.000633	-0.022863	-0.054656	-0.041928	0.014841	0.002376	0.023187	0.019164	0.028466	-0.030188	-0.00019	-0.026804
216	-0.018003	-0.024119	0.024147	0.03024	0.012902	0.022475	0.029777	-0.022721	0.028268	-0.018152	0.029906	-0.009766	-0.005283	0.022472
217	0.000378	0.007938	0.00313	0.011053	0.000228	-0.001759	-0.010403	0.035038	-0.000982	-0.020931	0.033859	0.022384	-0.015318	-0.010608
218	-0.011974	-0.028095	0.019528	-0.016833	0.048775	-0.009959	-0.02237	-0.02535	0.006938	-0.020209	0.014355	0.01916	-0.004433	0.04062
219	-0.003314	0.013153	0.026535	0.004676	0.031144	-0.038466	0.038405	-0.054378	0.020378	-0.008541	0.005796	-0.006884	-0.023161	0.013654
220	0.023755	-0.047656	-0.006428	0.003413	0.025834	-0.058857	-0.023478	0.03655	0.017336	-0.00532	0.00337	-0.013121	0.028695	-0.030341
221	-0.012937	0.014324	0.009581	-0.01741	0.065711	0.010437	-0.010763	-0.044643	-0.011511	-0.055278	-0.031673	0.040655	0.005177	-0.05492
222	0.00821	-0.040125	-0.010641	-0.005986	0.026777	-0.004248	-0.017503	-0.019238	-0.042466	0.011786	-0.037958	-0.003307	-0.02006	-0.044599
223	0.00704	-0.027606	-0.006201	-0.033412	0.017602	-0.006194	-0.01441	0.03573	0.006564	0.073129	-0.012259	-0.007724	-0.001706	-0.001579
224	-0.02996	0.036548	0.012179	-0.04025	-0.003258	-0.024835	0.015146	-0.080239	0.001534	0.016856	0.022052	0.037957	0.021431	0.020283
225	-0.027221	-0.009762	0.00014	-0.056748	0.004415	-0.037772	0.033213	-0.029839	-0.006784	0.016268	0.010248	0.019058	0.027111	0.011294
226	0.010344	0.002064	0.024152	0.00321	-0.030314	-0.011861	-0.039313	0.020601	0.022194	0.035267	0.016727	0.024807	-0.02304	0.00906
227	0.004356	0.015908	-0.00928	0.086213	-0.000927	-0.016921	-0.007395	-0.021825	0.004287	0.029581	0.014637	0.03149	-0.058989	-0.03972
228	-0.015357	-0.028453	0.011648	-0.015904	0.035482	-0.038537	-0.095281	0.014692	-0.025533	-0.064828	-0.014782	0.004092	-0.013052	0.048507
229	-0.020631	0.033525	0.012214	0.07775	0.015912	0.020159	0.015599	0.018578	-0.035244	-0.015233	-0.001493	-0.008155	-0.005117	0.030287
230	-0.014969	-0.027194	0.004182	-0.018939	-0.028618	0.069224	-0.043855	0.00447	-0.036439	0.012865	-0.016135	-0.009509	0.033828	0.023022
231	-0.035263	-0.009968	0.033029	-0.015685	-0.014621	0.057074	0.015018	-0.005867	0.016839	0.045543	0.009557	-0.027028	0.011257	-0.019619
232	0.008713	-0.008219	-0.003686	-0.009251	-0.011476	-0.020163	0.037137	-0.014443	-0.054176	-0.047143	-0.039447	-0.052872	-0.017425	-0.062554
233	0.017817	-0.052461	-0.019974	0.082131	-0.022943	0.001279	0.026851	0.034571	0.018457	0.043013	0.019958	0.025999	-0.001786	-0.004306
234	-0.003198	0.015557	-0.013967	0.042652	-0.027127	0.016622	-0.007575	0.02898	0.043009	-0.010271	0.039189	0.049359	0.024501	0.014632
235	-0.037924	0.039299	-0.009069	-0.013475	0.004358	-0.001091	0.023854	0.03536	-0.056349	-0.008782	-0.042467	0.011443	0.001508	-0.013344
236	0.032972	0.034757	0.005591	0.004153	0.018351	0.015652	-0.027766	0.006634	0.010405	-0.03408	-0.004504	0.00008	-0.000771	0.008258
237	-0.028876	-0.026342	-0.021784	-0.009272	-0.033949	0.016952	0.017865	0.004871	0.010685	-0.041274	-0.01756	0.023901	-0.004483	-0.008201
238	0.00533	-0.004587	-0.011866	-0.033586	-0.021881	0.03138	-0.005134	0.012247	-0.021405	0.047806	-0.014425	-0.000313	-0.002111	-0.014864
239	0.002927	-0.010097	0.00325	0.011488	0.007149	0.047361	0.005131	0.02144	-0.024311	0.070567	-0.023865	-0.031843	-0.007553	0.015524
240	0.007192	0.027681	0.04017	0.023111	0.029909	0.029805	-0.011183	-0.038551	0.026474	0.03936	0.050636	0.012221	-0.017027	-0.000013
241	0.003697	-0.009389	-0.041577	0.02114	-0.002465	0.002708	0.022549	-0.05325	-0.010463	0.040334	0.007107	-0.03953	-0.043285	0.011676
242	0.030295	-0.012117	0.00882	-0.004574	-0.003584	-0.032858	-0.01658	0.008668	-0.03015	0.03942	-0.004486	-0.028069	-0.026792	0.005584
243	0.001165	0.009689	-0.022987	-0.005866	0.005085	0.008557	0.012193	-0.034394	-0.006817	-0.003398	-0.016256	0.019247	-0.009123	0.041349
244	0.003775	0.024005	0.021218	-0.033903	0.034626	-0.008206	0.015314	0.024629	-0.005353	-0.045906	0.002825	-0.043721	0.01661	0.007372
245	-0.033771	0.014464	0.012587	0.045583	0.002317	0.00679	0.021169	0.006229	-0.020583	-0.011372	-0.012962	-0.029509	0.008507	0.002378
246	-0.015437	-0.070075	-0.002532	0.049037	-0.01454	-0.023224	0.017366	0.034509	-0.016263	0.014871	-0.00915	-0.033233	-0.008467	0.000452

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
247	0.033945	-0.000678	0.010347	-0.0237	-0.015154	0.016144	0.003685	-0.001271	-0.012202	0.001905	-0.009231	0.008793	-0.013782	-0.013413
248	0.011544	0.011254	0.065795	-0.006776	0.009435	0.014705	0.040057	-0.016509	0.007808	-0.039023	0.005115	0.037733	0.032268	-0.036685
249	-0.011112	0.060489	0.042267	0.007875	0.001016	0.046137	-0.023312	-0.087638	0.014417	-0.067317	0.03943	0.043763	0.012431	0.016757
250	0.011936	-0.006257	-0.014378	-0.011767	-0.01805	-0.037167	0.037687	-0.026044	0.022549	-0.00918	0.020879	-0.043477	-0.024568	0.005801
251	-0.00014	0.024665	-0.061513	-0.036243	-0.028328	-0.002772	0.004843	0.00167	-0.047059	-0.008052	-0.049695	-0.045139	-0.010322	0.017321
252	0.006809	0.002188	-0.015569	-0.047325	-0.018416	0.056178	-0.020858	0.023114	-0.021368	0.015335	-0.000298	0.018147	0.010953	0.016624
253	-0.015309	-0.027341	0.009321	0.021067	-0.018228	0.039352	0.006752	0.015471	0.042396	-0.050218	0.026363	0.0189	0.031075	-0.004219
254	0.003971	-0.010925	-0.030297	-0.036376	-0.044644	0.004857	0.015268	0.020468	0.013105	0.014475	0.029122	0.017865	-0.001093	0.005
255	0.016103	0.005713	0.025639	-0.088527	0.013102	-0.014763	0.028521	0.007525	-0.001298	-0.041559	0.010686	-0.011203	-0.012522	0.007069
256	-0.009323	-0.006985	-0.008989	-0.004971	0.028294	0.024571	-0.011224	-0.038552	0.005238	-0.045927	0.025656	0.025815	-0.015784	-0.018705
257	-0.000923	-0.051905	-0.019006	-0.016813	-0.020618	-0.012694	0.039991	-0.022059	0.022928	-0.025852	-0.023977	0.047445	0.031969	-0.032992
258	0.001486	-0.049245	0.010308	-0.06898	0.032375	0.016402	0.010105	-0.048679	-0.001506	-0.016025	-0.005112	0.024944	-0.012496	-0.002103
259	0.01954	0.029923	0.019776	0.005469	-0.003336	-0.037329	-0.006927	-0.035543	0.0228	-0.022866	-0.007104	0.004347	0.004699	0.022043
260	0.012172	0.027376	0.000888	-0.014493	0.025726	-0.054806	0.020855	0.007722	0.057109	-0.044064	0.017758	-0.009775	0.050078	-0.033513
261	-0.007842	0.033297	-0.042303	-0.009053	-0.015004	-0.000599	-0.059365	-0.01712	0.011676	-0.021754	0.00791	-0.021166	0.030555	-0.011571
262	0.014221	-0.016356	-0.010412	0.011214	0.004457	-0.001514	-0.047236	0.014761	0.021003	-0.02007	0.014672	0.017628	0.012581	-0.006205
263	-0.020729	-0.042531	0.03338	-0.007913	-0.00374	-0.011671	0.003258	0.00905	0.005972	-0.043529	0.006334	0.021068	0.021503	0.002804
264	0.005356	-0.018017	-0.008416	0.043308	0.038217	-0.034255	-0.005106	-0.018022	0.009124	-0.011028	0.029153	-0.060248	-0.00166	0.011624
265	0.001219	-0.022154	0.001581	0.020756	0.038717	-0.020653	-0.005037	0.017571	0.027271	0.053728	0.02773	-0.010961	-0.008244	0.002417
266	-0.009662	0.003691	0.002567	0.009139	-0.040957	-0.006918	-0.005602	0.06874	0.012681	0.065894	0.007799	0.013643	-0.015434	-0.030876
267	0.003959	0.025211	0.023611	-0.018298	-0.034233	0.009168	0.035415	-0.046834	-0.002261	0.045778	0.037931	-0.026612	-0.002581	-0.002608
268	0.011419	0.020562	0.015046	0.017103	-0.000648	-0.011032	-0.028393	-0.01549	0.019207	0.043178	0.009908	0.01169	-0.015737	-0.008558
269	0.013248	0.04031	-0.000201	0.016395	-0.016354	-0.029746	-0.039259	0.032437	-0.000318	0.028982	0.001832	-0.017831	-0.014847	-0.028475
270	0.015342	0.019247	0.013144	0.003147	0.000411	-0.020814	-0.018769	-0.018571	0.000206	-0.022202	0.007901	0.018452	-0.014581	0.014674
271	0.052763	-0.005934	0.04219	-0.018035	0.027525	-0.063802	0.023778	-0.033549	-0.052709	0.003844	0.025889	0.047494	-0.038445	-0.058318
272	-0.004234	0.035782	0.012356	-0.005417	0.02268	0.016171	0.011984	-0.002182	-0.010757	0.024171	-0.00273	-0.058723	-0.005588	0.012148
273	0.014068	-0.001185	-0.033838	0.007401	-0.004976	0.01454	-0.044544	-0.006422	-0.004847	0.001994	-0.001798	0.019352	0.01542	0.010765
274	0.006235	0.013427	-0.025805	-0.020326	-0.001766	0.008601	-0.034167	-0.013162	-0.021613	0.013022	-0.005156	0.025606	0.002841	0.018232
275	0.035623	-0.015833	-0.042627	0.016253	0.010857	-0.015765	-0.038635	0.00603	-0.007818	-0.02961	0.030336	-0.054094	0.025501	0.033086
276	0.013735	0.05618	-0.030847	0.013378	0.009056	0.01839	-0.024572	0.013142	0.011408	-0.012705	-0.033653	-0.029754	0.011419	-0.00754
277	-0.005243	-0.009875	0.006843	0.018275	0.032854	0.009386	0.020418	0.006058	-0.005209	-0.005481	-0.011557	-0.042817	0.016253	-0.006105
278	0.007703	0.042957	0.019576	0.018431	-0.008587	-0.00476	0.017317	-0.002466	0.023544	-0.018434	0.028138	-0.012537	-0.006456	0.009126
279	0.02446	0.020874	0.001169	-0.039564	0.000123	0.006243	0.011665	0.009993	-0.007555	0.033891	-0.002998	-0.012117	0.013928	0.007846
280	0.01305	0.03004	0.014525	-0.004294	0.039431	0.044216	-0.028157	-0.022038	0.004974	0.022367	0.008602	0.040552	-0.014819	-0.011294
281	-0.00495	0.020866	0.0105	0.006676	0.003006	-0.048724	0.009323	-0.004022	-0.021542	0.005341	-0.026964	-0.030639	-0.008449	0.035972
282	0.003833	0.051955	0.015141	0.059657	-0.00657	-0.044566	-0.008151	0.068878	-0.000557	0.030634	0.019997	-0.003112	-0.01888	-0.005764
283	0.002462	0.060721	0.019181	0.035259	-0.004688	0.002437	0.006207	-0.024286	-0.000406	-0.015476	0.006796	0.024042	-0.010078	0.027455
284	0.005322	-0.035718	-0.042898	0.003362	-0.006118	-0.01357	0.012352	-0.038586	0.004691	-0.038477	-0.028329	0.015699	0.021233	-0.010511
285	-0.015379	-0.006072	-0.003497	-0.00002	-0.008385	0.003593	0.023304	-0.020133	-0.009953	-0.027624	-0.024094	0.020479	0.024916	0.013489
286	-0.018172	-0.028205	-0.026539	-0.040883	0.009463	-0.004905	0.003135	-0.028092	-0.003378	0.00022	-0.032916	0.004381	-0.003623	0.010453
287	-0.039145	0.030018	-0.002473	-0.009211	0.013468	0.018195	-0.005149	-0.028176	0.010099	0.005684	-0.007782	0.037936	-0.023554	0.033577

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
288	0.028172	-0.007305	0.021123	0.013547	0.041981	-0.021676	0.039138	0.019623	0.011548	-0.022455	0.037511	0.038526	-0.043124	0.016251
289	0.032384	0.005263	0.004127	-0.0294	0.021514	-0.026638	0.01822	0.033167	0.009339	-0.029221	0.020828	0.016788	-0.007609	0.017528
290	-0.01119	0.011591	-0.004961	0.040804	-0.018333	0.028583	-0.002874	-0.000558	0.005967	0.014062	0.016407	0.040929	-0.00152	0.015847
291	-0.016275	-0.00033	0.001815	0.04225	-0.018172	0.029325	0.003349	-0.005234	-0.002868	0.017262	0.01836	0.02603	-0.007886	0.015639
292	-0.019949	0.001618	-0.027711	0.016571	-0.006019	0.041062	0.004682	0.032517	-0.038277	0.013059	-0.007186	-0.012971	-0.006237	0.033945
293	0.048514	-0.019314	0.017132	-0.000779	0.060262	-0.021485	-0.001041	0.038048	0.026525	0.018104	0.070544	0.05143	-0.017595	0.006358
294	0.008512	-0.029624	-0.020453	0.017951	-0.010006	0.029894	0.013977	-0.045308	-0.003462	0.019599	0.019043	-0.025134	-0.02198	0.019225
295	0.001424	-0.029758	-0.015763	-0.035706	-0.048305	0.035075	0.023322	-0.027253	-0.028071	0.051793	-0.020561	0.063442	0.002995	0.006149
296	-0.024345	-0.077638	-0.023747	-0.053532	-0.013249	0.021384	-0.038447	-0.049642	-0.069299	-0.033788	-0.027984	-0.035618	-0.016549	0.039539
297	-0.017098	0.014987	-0.024692	0.033494	0.00783	0.0381	-0.008452	0.023219	-0.010496	0.026573	0.006779	0.053003	0.02213	0.016287
298	-0.006959	0.00985	0.050518	0.038572	-0.003608	0.018394	-0.019184	0.039831	-0.000423	-0.069736	0.027773	-0.040412	-0.022532	0.001223
299	0.011956	0.016095	-0.063132	0.043873	-0.024112	-0.033147	-0.010125	0.045949	-0.027127	0.05504	-0.009255	0.036061	-0.020133	0.001023
300	-0.013967	0.032806	0.008864	-0.064798	0.068338	0.023636	0.003894	0.03456	0.017859	0.008243	-0.00807	0.035235	0.013348	-0.049982
301	-0.006294	-0.001049	-0.019955	-0.010393	-0.044148	0.006007	0.021878	-0.015052	-0.014169	0.009915	-0.046197	-0.016725	0.013115	-0.012904
302	-0.003441	-0.023539	-0.025066	-0.026786	0.009951	-0.067889	0.031138	-0.014873	-0.019014	-0.023055	-0.040947	-0.031299	0.004627	-0.023749
303	0.007714	0.051462	-0.039782	-0.029202	-0.037249	-0.023912	-0.032609	-0.021029	0.008306	0.051235	-0.027958	-0.033213	-0.053886	-0.035525
304	-0.006831	-0.028719	-0.000233	0.012317	-0.001662	0.028423	-0.020962	0.039317	-0.029456	-0.018238	-0.001607	0.012155	-0.01924	-0.017502
305	0.005022	0.051402	0.082602	-0.035276	0.019369	-0.079573	0.036293	0.059947	0.031833	-0.085633	-0.001337	-0.024484	-0.022013	-0.032088
306	0.026749	-0.01056	-0.033889	0.004764	0.016209	-0.034415	0.036056	-0.019902	-0.033677	-0.115796	0.024511	-0.038601	-0.022215	0.032404
307	0.008981	-0.012697	-0.081991	-0.003737	-0.02966	-0.018211	0.01276	-0.04814	0.008669	0.032136	0.017545	0.076344	-0.056018	-0.043266
308	-0.041903	-0.011643	-0.014936	0.03439	0.057843	0.009387	-0.016661	0.089924	-0.060204	-0.066645	0.034792	-0.007284	0.005909	0.029166
309	-0.054437	0.003554	-0.000161	-0.038233	0.032238	-0.009203	-0.065856	0.046447	-0.045366	-0.003255	0.002635	0.021454	-0.027725	0.001926
310	-0.017937	-0.046744	0.034491	-0.043959	-0.001193	-0.083005	0.00156	0.01881	-0.006106	0.025978	0.033414	0.040385	0.026422	-0.012331
311	0.001467	-0.031354	0.006001	0.033068	-0.017849	0.015845	-0.042106	-0.001289	0.015086	-0.001341	-0.004404	0.034226	-0.012949	-0.064759
312	0.009835	-0.002574	-0.004725	-0.042638	-0.021105	-0.021623	-0.028116	-0.015455	0.033957	-0.046138	0.032088	-0.010519	-0.032704	0.00801
313	-0.016133	-0.038145	0.011904	0.043294	-0.033997	0.034224	-0.015255	0.068397	-0.006031	-0.023574	-0.018215	-0.019404	0.025779	-0.01824
314	-0.021605	0.001803	0.002354	-0.009283	-0.0215	0.001181	0.025602	0.00155	0.038349	0.046561	0.022305	0.024413	0.012223	-0.005858
315	-0.109552	-0.004626	-0.026404	-0.006465	-0.028237	-0.000341	-0.042031	0.015458	-0.068443	0.03145	-0.053185	-0.008468	-0.083532	0.016735
316	-0.033859	0.020823	-0.010162	-0.004232	-0.057127	-0.048882	0.000758	-0.026453	-0.002745	-0.028759	-0.012643	0.055065	-0.006597	-0.012558
317	-0.117405	-0.025443	0.016661	-0.00176	0.03358	0.031516	-0.038124	-0.065389	-0.035106	-0.03515	-0.015856	-0.010373	-0.000979	0.008966
318	-0.074578	-0.063928	-0.024318	-0.006276	0.04775	0.006491	-0.022293	0.031997	-0.048439	0.041244	-0.002219	0.033535	0.01383	-0.021939
319	0.800251	-0.061386	0.00387	0.014726	0.019849	0.028342	-0.039771	-0.054836	-0.040819	0.024574	-0.045323	-0.019422	-0.024627	0.003837
320	-0.057116	0.557413	0.00959	0.006623	-0.010057	0.034698	-0.00832	-0.000089	-0.035992	0.062885	0.027745	-0.084377	-0.019972	-0.011573
321	0.02039	0.051317	0.644775	-0.007523	-0.082109	-0.062685	-0.044765	0.033521	-0.050004	-0.044599	-0.100305	-0.040459	-0.017431	0.016374
322	0.03714	-0.021351	-0.026939	0.349341	-0.055698	0.010366	-0.005436	0.020086	-0.020733	-0.046265	-0.027835	0.004102	0.004217	0.026421
323	0.0386	-0.012237	-0.03981	-0.065727	0.585776	0.041526	0.067352	0.083316	-0.028343	-0.025657	-0.0774	0.013286	-0.048876	0.069563
324	0.040047	0.03278	-0.036982	-0.082419	0.03707	0.44184	-0.041679	0.03403	0.016361	-0.020284	0.014929	-0.040804	0.010976	-0.039519
325	-0.021692	-0.008854	-0.056671	-0.000174	0.038957	-0.045703	0.709432	-0.048035	-0.013184	0.024612	-0.011916	-0.025607	-0.039247	0.016805
326	-0.012957	-0.004374	0.006678	0.005992	0.060725	0.012629	-0.050407	0.450398	0.018604	-0.046811	-0.053434	-0.029376	-0.087409	-0.072442
327	-0.066266	-0.074378	-0.048364	-0.022623	-0.02575	0.015771	-0.036103	0.004793	0.814426	0.032844	-0.097774	-0.021978	-0.069519	0.013132
328	0.011727	0.055274	-0.009384	-0.009815	-0.057458	-0.005075	0.013562	-0.002977	-0.00813	0.339774	-0.008401	-0.064123	-0.000419	-0.0541

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
329	-0.047021	-0.014788	-0.080013	-0.033727	-0.111811	0.002642	0.008087	-0.056374	-0.096994	-0.000803	0.740577	-0.00685	-0.06299	-0.014367
330	-0.01299	-0.057282	-0.014081	-0.012379	-0.029935	-0.011276	-0.031606	-0.007071	-0.005368	-0.070937	-0.011222	0.319366	0.023628	-0.137986
331	-0.013651	0.006378	0.01132	-0.008886	-0.044803	-0.014652	-0.051876	-0.060429	-0.049717	0.063911	-0.032941	0.037241	0.797891	-0.010511
332	-0.013523	-0.043076	-0.016017	0.002502	0.071325	-0.014753	-0.014476	-0.060241	-0.016078	-0.018781	-0.009321	-0.155498	0.003437	0.366234
333	-0.050464	0.023215	-0.006435	0.005726	0.030307	-0.038456	-0.139313	-0.052441	-0.044624	-0.015512	-0.047141	0.030319	-0.071341	-0.039118
334	-0.005627	0.038443	0.017129	-0.017133	0.015999	-0.032768	-0.086923	-0.042875	0.018316	0.031603	-0.06407	0.014289	0.004351	0.007229
335	-0.061139	-0.033823	-0.014929	0.046234	-0.047908	-0.008337	-0.064321	-0.0592	-0.062824	-0.033329	-0.050799	-0.014936	-0.07249	-0.005053
336	0.014785	-0.006467	-0.035482	-0.035378	-0.023559	0.018874	0.018441	-0.03934	-0.002828	-0.039329	0.000171	-0.000366	-0.030336	0.009244
337	0.010212	0.005411	0.010769	-0.064	0.022431	-0.094867	0.023142	-0.024877	0.042211	-0.059982	-0.009689	0.054376	0.003858	-0.057365
338	0.003849	0.022804	0.04007	-0.041641	-0.033276	-0.054665	0.017994	0.010319	-0.055139	-0.004336	-0.034041	0.043176	-0.041962	-0.051529
339	-0.023415	-0.015939	-0.006393	-0.041406	-0.104417	0.047464	0.056763	-0.068532	0.022815	-0.021279	-0.035865	-0.00927	-0.002294	0.007715
340	-0.009603	0.018756	-0.008497	0.006597	0.051622	0.026822	0.027954	-0.05462	0.00003	0.038344	-0.003569	-0.020945	0.018697	-0.062842

	LV	LW	LX	LY	LZ	MA	MB	MC
1	0.009734	0.038324	0.047365	0.090755	0.020958	0.13411	0.005696	0.097078
2	-0.135157	0.06846	-0.059857	0.065006	-0.04544	0.014237	0.051749	-0.024435
3	0.005275	0.12216	-0.046505	0.040142	-0.003257	-0.017434	0.100565	0.007499
4	-0.058446	-0.082506	-0.05713	-0.026288	-0.011381	-0.000218	0.043848	-0.047754
5	0.014245	-0.074264	-0.031987	-0.061961	0.034086	0.01749	0.005082	-0.026606
6	0.02695	0.071871	-0.040446	-0.0339	0.02794	0.02625	-0.0307	-0.002025
7	0.090098	-0.044847	0.08932	0.028008	0.023668	0.016615	0.069406	-0.120716
8	-0.030185	-0.009104	-0.008262	0.076142	-0.068972	0.016353	-0.052061	0.002784
9	0.049416	0.035702	0.026529	0.186661	0.055127	0.103044	-0.000442	0.063653
10	0.044727	0.032551	-0.015766	-0.002091	0.154297	0.077543	0.072798	-0.071845
11	0.006309	0.038765	0.036544	0.014866	0.022289	-0.022552	0.029957	0.021991
12	0.003345	-0.001683	-0.011803	0.010531	-0.021978	-0.040399	0.073828	0.031705
13	-0.002769	0.051874	0.078316	0.015333	-0.12416	0.148893	-0.020222	0.032155
14	-0.081636	-0.116003	-0.099423	0.014247	0.007012	-0.062972	0.132072	-0.022705
15	0.018248	0.17848	0.023593	-0.045436	0.094598	0.139773	0.024621	-0.048356
16	-0.009679	0.07557	-0.037392	0.058669	0.00663	-0.083043	0.031839	0.034469
17	-0.026352	-0.071681	-0.005149	0.03248	-0.032104	-0.044595	-0.081683	0.105992
18	0.05148	-0.023121	0.073205	-0.053937	-0.031223	-0.076171	-0.043465	-0.000749
19	-0.007522	-0.10784	-0.073665	0.039038	-0.010914	-0.143134	-0.06592	-0.012961
20	-0.057067	-0.071417	-0.090084	-0.029883	0.014513	-0.025102	-0.049715	0.194677
21	0.048748	-0.092931	0.03546	-0.030415	-0.048278	0.091261	-0.061862	-0.057963
22	-0.047011	-0.095987	-0.017141	-0.093895	-0.037605	-0.106283	-0.020137	0.042901
23	-0.01583	-0.067781	0.034812	0.000548	-0.021443	-0.018581	-0.131616	0.046395
24	0.014171	0.067013	-0.044309	0.010515	-0.041589	0.029139	0.047001	0.064305
25	0.004732	0.062283	0.047617	-0.073819	0.000347	-0.0316	0.077985	-0.04287
26	0.02795	-0.059171	-0.023606	0.137221	-0.089545	-0.02498	0.054346	-0.153281
27	0.089688	0.005749	-0.011561	-0.037474	0.010808	-0.142294	-0.015513	0.112758
28	0.055736	0.001376	0.077658	0.05538	-0.147698	-0.080509	0.014185	-0.072667
29	-0.023126	0.101255	0.018144	0.034728	0.089746	-0.083266	0.046075	-0.047051
30	-0.027978	-0.023417	0.015725	-0.063785	-0.004566	-0.050176	-0.007292	-0.013211
31	0.055727	0.010264	0.041765	0.027137	-0.00329	-0.031422	0.02733	-0.042301
32	-0.001414	0.009319	0.003078	-0.014677	-0.010489	0.103022	0.012823	0.115512
33	-0.064811	-0.143674	0.035806	-0.0471	-0.021625	-0.118266	0.118939	0.076541
34	-0.044026	0.071046	0.031679	0.005548	-0.07293	0.054428	-0.134491	0.071454
35	0.04003	-0.03545	0.052098	0.019823	0.066773	0.045992	-0.006315	-0.061731
36	0.098738	0.052108	0.083691	0.126294	0.073524	-0.06901	0.006694	0.06318
37	-0.011422	-0.043665	0.017255	0.00487	0.060996	-0.033911	0.012853	-0.113231
38	0.016398	0.043548	0.00133	-0.036038	0.004851	-0.044666	0.076453	0.033322
39	0.020204	-0.073229	0.055691	0.019809	-0.013218	-0.085924	0.004456	-0.00912
40	-0.002573	0.091044	0.05354	0.024051	0.033887	-0.066844	-0.086041	-0.001026
41	-0.051048	0.010906	-0.016313	-0.172243	0.084289	0.017799	0.054054	0.015333

	LV	LW	LX	LY	LZ	MA	MB	MC
42	-0.043315	-0.02383	0.012777	0.057174	-0.048926	0.071642	-0.006369	-0.023286
43	0.064135	0.09149	-0.022358	0.079839	-0.102044	0.091199	0.044228	-0.022467
44	0.067771	-0.088375	-0.001206	-0.016854	-0.009256	-0.058674	-0.056959	0.005159
45	-0.042034	-0.044079	-0.022136	0.050403	0.0041136	0.113072	-0.000094	-0.005104
46	-0.045771	0.10273	-0.016948	0.011248	0.090494	-0.047258	-0.003036	0.011131
47	-0.001227	-0.034469	0.003855	0.022493	-0.056951	-0.068436	-0.003099	0.090582
48	-0.01379	0.014898	-0.016692	0.035829	0.0141171	0.153063	0.086591	0.105422
49	0.011822	0.001723	0.009295	0.014327	-0.007236	-0.11627	0.054266	0.078753
50	0.011054	0.038828	-0.022425	0.066496	0.058692	0.066467	-0.010744	-0.149614
51	-0.032158	0.138483	0.00552	0.0189	0.066334	-0.157076	-0.054173	-0.076054
52	0.0465	-0.018095	0.0786	0.018861	-0.034229	0.01018	0.006055	0.041481
53	-0.007734	-0.021483	-0.001505	0.002713	-0.059726	-0.042738	0.059673	0.313786
54	-0.021293	0.084197	0.025358	-0.088678	-0.015203	0.016799	-0.070222	-0.046195
55	-0.039714	-0.15719	-0.05638	0.102002	0.048366	0.115993	0.041487	0.009169
56	0.041993	0.113018	-0.030236	0.078685	0.003238	0.06526	-0.059836	0.02105
57	-0.01685	-0.153735	-0.003786	0.192299	0.117666	-0.070064	-0.007503	0.006098
58	-0.002898	0.014598	-0.084198	0.063471	0.091598	0.002349	0.109276	0.072281
59	-0.051539	-0.025622	-0.047479	-0.065139	-0.009316	0.03619	0.085579	-0.060542
60	-0.007411	0.029814	0.002388	0.050008	0.029859	0.014006	0.115633	0.016224
61	0.056292	-0.107479	0.050245	0.149941	0.105998	-0.098421	-0.117268	-0.032511
62	-0.060946	-0.00249	0.019845	-0.03995	-0.12509	0.03436	-0.029631	-0.083679
63	0.008017	-0.082596	-0.030463	-0.002722	-0.057101	0.029125	-0.053031	-0.097424
64	0.018741	0.026521	0.000418	0.042511	0.004007	-0.019716	0.036154	-0.00005
65	0.038155	0.073934	-0.011502	-0.03744	0.037086	0.05062	-0.018913	0.149047
66	0.014425	0.013452	0.002066	0.075548	-0.064519	0.001132	0.019663	0.068871
67	-0.047047	-0.034328	-0.034724	0.007521	-0.019775	0.000913	0.003036	0.105501
68	-0.02561	0.009341	0.014218	-0.047139	0.053649	-0.116193	0.011555	-0.042782
69	0.019916	0.184989	-0.060313	-0.082103	0.005287	-0.132614	-0.060805	0.072789
70	0.078517	0.13151	-0.002398	-0.011914	-0.042223	-0.097908	-0.035233	-0.077956
71	-0.009695	-0.027583	-0.018832	0.031129	-0.007791	0.041192	0.040602	-0.080905
72	0.038996	0.00522	0.034764	-0.003856	-0.107653	0.117497	-0.052356	0.064919
73	0.046874	0.082521	0.016175	-0.054005	-0.007772	-0.058516	0.041351	-0.013164
74	0.019	0.008464	-0.025878	0.082233	-0.007415	-0.005168	0.053908	0.041472
75	0.035834	-0.018898	-0.043376	-0.093585	0.104805	0.093915	0.139052	0.061499
76	0.057261	-0.179111	0.085457	0.090514	-0.01283	0.094961	0.063648	0.100437
77	-0.080162	-0.066305	0.053514	-0.021898	0.057154	0.021967	0.008146	-0.053995
78	-0.056197	0.002918	0.026178	0.074796	0.013687	0.016967	-0.068193	-0.059494
79	0.026607	-0.031514	0.01763	0.02413	0.086573	-0.068316	-0.079565	-0.09569
80	-0.044442	-0.0582	-0.037465	-0.022225	-0.001508	0.093714	-0.041796	-0.054846
81	0.070456	0.120852	-0.03818	0.03773	-0.066539	-0.051205	0.04617	0.07346
82	0.014384	0.033923	-0.02036	-0.004199	-0.003779	0.041494	-0.092953	0.034064

	LV	LW	LX	LY	LZ	MA	MB	MC
83	0.042971	-0.183084	0.047589	-0.02195	0.157221	0.196643	-0.104618	0.014738
84	-0.051879	-0.013804	-0.030646	-0.056837	0.030321	-0.002037	0.060796	0.106765
85	0.011616	-0.085097	-0.061129	-0.090441	0.054043	-0.104533	-0.031426	-0.113517
86	-0.037494	0.02254	0.045828	0.04742	0.069139	0.084592	-0.06298	0.006355
87	-0.061791	0.024891	0.018649	0.091841	0.032922	-0.070244	0.158936	0.039014
88	-0.044373	0.13644	-0.045482	0.047156	0.004311	-0.067432	0.058252	-0.06873
89	-0.028232	-0.023191	-0.016141	0.068912	-0.098408	0.013548	0.12227	-0.203076
90	-0.039695	-0.003056	-0.02708	-0.015517	-0.063131	0.165412	-0.064421	0.059639
91	0.036672	0.090964	0.140164	-0.093115	0.002826	0.096033	-0.005329	0.037604
92	-0.066564	-0.085353	-0.037472	0.087093	-0.115516	-0.126347	0.01806	-0.06353
93	0.029378	0.072509	0.013515	-0.070898	-0.018486	-0.078325	0.101223	0.01385
94	0.047893	0.083564	-0.042517	-0.077504	0.036714	0.043914	-0.201593	-0.032895
95	-0.062819	-0.050627	-0.016381	-0.043205	-0.039634	-0.007613	-0.030797	-0.007244
96	0.014949	-0.039984	0.0058	-0.080702	-0.015489	0.022785	-0.002149	0.051768
97	-0.053668	0.038397	0.010463	-0.027973	-0.044244	0.031294	0.061452	0.068947
98	0.014563	-0.04803	0.053293	-0.035471	0.009774	-0.023253	-0.016777	-0.108352
99	0.024166	0.063708	0.002427	-0.027525	-0.029162	0.060558	0.02925	-0.047601
100	0.041971	0.099617	0.031862	0.001161	0.068291	-0.011448	0.018286	0.090548
101	0.009343	0.015679	-0.085596	0.057675	-0.00682	-0.034759	0.069092	-0.027492
102	0.075045	-0.098329	0.091636	0.000192	0.080981	-0.160402	-0.056732	-0.046015
103	0.001586	0.051789	-0.045297	-0.041042	-0.029159	0.054904	-0.084976	0.007763
104	-0.005391	-0.008792	-0.017219	0.048378	-0.063926	0.060429	0.066397	-0.085572
105	-0.020719	0.067477	-0.038737	-0.044478	-0.115312	-0.015914	0.012908	-0.013784
106	-0.00091	-0.04476	0.056177	-0.103926	-0.011424	0.010487	-0.028091	0.035656
107	-0.016214	0.02312	0.021484	-0.041184	-0.028108	-0.002135	-0.102675	-0.092096
108	-0.04704	-0.010879	-0.020347	0.049347	0.020524	0.00155	0.015144	0.033769
109	0.020525	-0.067467	-0.002225	-0.058557	-0.032369	0.009419	0.002629	-0.001338
110	-0.019855	0.060797	-0.038183	0.003113	-0.007915	-0.004733	0.049406	-0.051696
111	-0.008023	0.052142	-0.051032	0.031241	0.041847	0.03309	-0.016016	0.030415
112	0.029213	0.019071	0.008938	0.06622	-0.031717	0.027005	0.047061	-0.02568
113	0.055334	-0.03134	0.048052	-0.002044	0.011322	-0.0315	0.109423	-0.005013
114	-0.032457	0.003673	0.009213	-0.059494	-0.033884	-0.022357	-0.046517	0.010757
115	0.009072	-0.022038	0.052901	-0.031618	-0.021696	0.005297	-0.00282	0.015151
116	-0.059776	-0.00326	-0.014269	0.059293	0.034718	0.0228	-0.006914	0.054925
117	0.008665	-0.034587	-0.013854	0.074398	-0.010875	0.09156	-0.006527	0.035532
118	-0.02939	0.059572	-0.008895	0.028014	0.033814	0.003857	0.004626	-0.001838
119	-0.111857	0.043926	-0.006525	0.024298	0.073314	-0.098618	0.057179	-0.128753
120	-0.024385	0.067277	0.033737	0.12347	-0.046105	-0.087813	0.048379	-0.011954
121	-0.062763	-0.003351	-0.028548	0.121406	-0.044299	0.029448	-0.086912	-0.0619
122	0.075637	0.039711	0.015832	0.134665	0.020602	-0.108239	-0.086039	0.149678
123	0.002396	-0.117072	0.030342	-0.097082	0.095206	-0.071397	-0.004752	0.100061

	LV	LW	LX	LY	LZ	MA	MB	MC
124	-0.031593	0.003463	-0.071368	-0.023806	-0.00659	0.143121	-0.004292	0.039033
125	-0.02845	0.029183	0.036414	0.002417	0.063489	0.039416	-0.034443	0.021533
126	0.017749	0.124538	-0.037616	-0.008914	-0.041524	0.002461	-0.043151	-0.049209
127	0.000649	-0.116038	-0.007058	-0.032974	-0.092915	0.078011	0.053518	-0.02601
128	0.017208	-0.08915	0.035603	-0.04267	-0.052375	0.056546	0.058845	0.000271
129	-0.045481	0.010921	-0.019407	-0.07412	0.021966	0.044561	-0.094055	-0.085134
130	0.019443	0.021536	-0.029797	0.032819	0.015156	-0.040604	0.113706	-0.010587
131	0.015167	-0.028849	-0.026017	-0.017245	-0.000554	0.007606	0.087114	0.031203
132	0.009536	-0.014222	-0.01596	0.035688	-0.017143	0.055031	-0.005435	0.113727
133	0.067069	-0.036482	0.019703	0.006227	0.044615	0.030795	0.079603	-0.04244
134	0.04191	-0.017494	0.063902	-0.100846	-0.059745	-0.016422	0.016788	0.033845
135	-0.043457	-0.051722	-0.029509	-0.031538	-0.021571	-0.020246	0.08166	0.026796
136	0.046751	0.066653	-0.077234	-0.046318	0.004439	0.038959	0.023377	-0.102357
137	-0.053054	0.007402	-0.018119	0.023613	0.062652	0.019444	0.013904	0.125449
138	0.015596	0.017411	0.001065	0.005374	0.003753	-0.023732	-0.050834	-0.047994
139	0.019354	-0.013908	0.012213	0.02403	-0.006123	-0.035591	-0.01823	0.033384
140	0.017697	-0.013528	0.041071	-0.047571	0.053692	0.019442	0.08049	-0.052272
141	-0.005111	0.041154	-0.032822	-0.021419	-0.084045	-0.024263	-0.061316	-0.02032
142	0.013868	-0.011148	0.0126	0.009305	0.013211	0.041132	0.051881	0.00249
143	0.034935	0.013338	-0.009788	-0.049892	-0.031962	-0.017182	-0.061441	-0.016032
144	-0.034522	-0.006156	-0.013452	0.008812	0.027363	0.032846	0.002334	0.006152
145	0.005765	0.003197	0.016577	0.059304	0.060332	0.001861	-0.047947	0.00817
146	0.017601	0.032074	-0.043086	0.048482	0.027136	-0.000807	-0.033052	0.003803
147	-0.013793	-0.047085	0.014921	-0.007038	0.000177	-0.050596	-0.078844	-0.059241
148	-0.001222	0.070076	0.001284	-0.039166	0.008177	-0.034089	-0.023039	0.01835
149	-0.004656	0.056339	0.033631	-0.049645	0.043485	-0.008454	-0.020296	-0.037674
150	-0.001841	0.011856	-0.058992	-0.028479	-0.054703	-0.00365	-0.042358	0.009057
151	0.006508	-0.039581	0.03127	0.011416	0.022567	0.052623	0.064455	0.003237
152	0.015835	0.006243	0.0309	-0.000696	0.02032	0.013163	-0.021901	0.068543
153	0.027309	0.020665	-0.035522	0.014837	0.06349	-0.039375	0.040045	0.024146
154	0.009578	-0.037425	0.033465	0.05895	-0.036599	0.039279	-0.078341	0.001036
155	-0.010381	0.055679	0.054701	0.02144	-0.011887	-0.016053	-0.001958	0.001711
156	-0.031409	0.022173	0.01561	-0.033328	-0.033691	-0.0113	-0.088505	0.055686
157	0.025297	-0.003421	0.027837	-0.008489	-0.017647	-0.041088	0.038102	-0.128042
158	-0.004196	0.021309	0.000893	0.004959	-0.05792	-0.023275	0.034006	0.017959
159	0.003532	-0.012922	0.004288	0.013193	0.058044	-0.077305	-0.014917	0.070465
160	0.005584	-0.001116	0.001844	0.012096	0.014235	-0.018487	0.038547	0.01463
161	0.045255	0.029678	-0.027665	-0.003885	-0.021259	-0.013621	-0.060029	-0.032632
162	0.04102	-0.034815	0.014093	-0.00609	-0.071497	0.041699	0.013693	-0.036479
163	0.028692	-0.018195	0.057722	-0.008668	-0.036257	-0.017705	0.013937	0.019717
164	0.009538	-0.013218	-0.033755	-0.007544	0.035958	-0.01254	-0.022288	0.036575

	LV	LW	LX	LY	LZ	MA	MB	MC
165	0.002864	-0.063226	-0.000943	0.040442	-0.025189	-0.0722	-0.025653	0.037264
166	-0.000463	-0.019843	0.030025	0.030347	-0.054984	-0.054103	-0.093361	0.010344
167	-0.001278	-0.052167	0.024382	0.027816	0.049947	-0.045921	-0.041409	0.002558
168	0.024077	-0.026854	0.054914	0.056422	-0.086398	-0.016756	-0.03294	-0.016788
169	0.037419	-0.027463	-0.008238	0.029081	0.029073	-0.016881	0.022689	0.026674
170	0.013548	-0.0125	0.0015	0.082827	-0.004902	-0.009929	-0.002149	0.07809
171	0.028362	0.026659	0.023785	0.027939	-0.018381	-0.008934	-0.003074	0.018292
172	0.002232	-0.053022	-0.005642	-0.007126	0.011402	0.050987	-0.006486	-0.003078
173	-0.015968	0.035301	-0.010395	0.017392	-0.011269	-0.005945	-0.042515	0.002547
174	0.005167	0.066859	-0.018718	-0.029222	0.007914	0.005837	0.013774	-0.052584
175	-0.020635	0.040662	0.026238	0.002637	-0.010631	0.011872	-0.005853	0.000558
176	0.00862	-0.015225	0.033164	0.060354	-0.002623	0.00362	0.003054	-0.038994
177	0.022244	-0.005988	0.021975	0.014604	0.023751	-0.012338	0.073908	-0.01938
178	0.003581	-0.02993	0.048571	-0.000248	0.06083	0.024205	0.010421	0.035062
179	0.022853	0.010919	0.023554	0.032509	-0.020268	-0.023345	-0.027448	-0.018877
180	-0.02213	0.001882	0.037915	0.028356	0.004157	0.010806	-0.026028	0.028909
181	-0.004626	0.031468	0.021319	0.02764	0.018269	-0.024167	-0.012705	0.026529
182	-0.043871	-0.013038	0.016109	-0.004578	0.022428	0.011407	-0.041117	-0.022233
183	0.005476	0.038243	0.014616	0.026471	-0.021476	-0.006892	-0.0032	-0.027216
184	-0.013515	0.054904	-0.011565	0.01896	0.002685	-0.012634	0.039623	0.049509
185	-0.087386	-0.08675	-0.010398	-0.077507	-0.045714	-0.040315	0.08926	-0.01523
186	0.033911	-0.011719	-0.011171	-0.035573	0.055723	0.014803	-0.0183	0.036736
187	0.001826	0.035405	-0.006515	-0.00641	0.00636	-0.001916	-0.026599	-0.037352
188	-0.01081	0.018444	-0.016689	0.01488	0.034651	0.043987	0.037808	0.018886
189	-0.022664	-0.043109	-0.028272	0.046491	0.014875	0.030877	0.048797	0.042716
190	-0.037087	0.004207	0.063606	0.004673	-0.017372	-0.009085	-0.011164	-0.013921
191	-0.053178	0.013109	-0.015572	-0.066648	-0.000291	0.041007	0.037179	-0.021998
192	-0.001209	-0.029472	0.004582	-0.00651	0.007712	-0.044066	0.027877	-0.036249
193	-0.005428	-0.034305	-0.008437	-0.036952	-0.026038	0.036476	-0.086013	-0.058029
194	0.005452	-0.009207	-0.036624	0.025985	0.018735	-0.026387	-0.001101	0.060997
195	-0.011981	0.016164	-0.009407	0.087907	-0.092635	0.009606	-0.013194	-0.022358
196	0.005736	-0.018844	-0.005311	0.010673	0.026547	-0.002544	-0.035365	-0.009073
197	-0.031959	0.024424	-0.027663	-0.043667	0.057494	-0.019026	-0.006161	-0.032163
198	0.001357	0.04524	-0.019064	-0.076634	0.035251	-0.004945	0.048441	-0.025804
199	-0.061458	-0.009989	-0.044322	0.023329	-0.005425	0.062713	0.025499	-0.035579
200	0.055618	0.068717	-0.057839	0.023697	0.004289	0.005674	0.011002	0.002428
201	0.008824	-0.001573	0.054114	-0.0044	0.011161	-0.033658	0.049201	-0.05568
202	0.013597	-0.01501	0.030994	-0.001599	0.080038	-0.014832	-0.058801	0.026252
203	-0.00483	-0.047276	0.009376	-0.027032	-0.069572	-0.024046	-0.012333	0.005396
204	0.025227	-0.096972	-0.009767	0.013888	-0.080652	0.068039	-0.019588	-0.096965
205	-0.0459	0.015654	-0.021164	-0.006829	-0.019109	-0.015693	-0.047038	-0.043892

	LV	LW	LX	LY	LZ	MA	MB	MC
206	0.015861	-0.045797	0.006496	0.008208	0.015067	-0.04389	-0.024641	-0.007571
207	0.011129	0.019907	0.028761	0.007657	0.068816	0.006305	-0.00397	-0.092999
208	-0.044222	0.004691	0.017738	0.076111	-0.013607	-0.025856	-0.01006	0.028751
209	-0.030567	-0.027757	-0.040678	0.031591	-0.043869	0.040724	-0.043175	0.00538
210	0.033934	-0.053895	0.060509	0.016656	0.034968	-0.022717	-0.038218	-0.010159
211	0.02956	-0.026203	0.045054	0.033255	0.059124	0.032992	0.013691	0.015379
212	0.02507	-0.021644	-0.025289	0.022936	0.03483	0.029628	-0.023203	0.015085
213	-0.045101	-0.009916	-0.008241	0.06073	0.000429	0.043168	-0.026241	0.021875
214	0.035027	-0.025454	0.014047	0.011974	-0.001284	-0.010803	-0.0158	0.008579
215	0.017845	-0.044719	-0.030236	-0.084284	-0.003426	-0.011205	-0.012603	-0.000761
216	-0.01169	-0.011428	-0.003491	-0.055235	0.040243	0.058657	-0.019709	-0.055403
217	-0.009108	-0.031787	-0.019766	-0.004579	-0.006085	0.013857	-0.003376	0.029872
218	-0.004477	-0.075276	-0.023538	0.016774	0.000332	0.019487	0.003467	0.088865
219	0.02607	-0.016765	-0.037785	0.025141	-0.009845	-0.001502	0.006703	-0.026099
220	0.020428	0.004855	0.01867	0.000575	0.011907	-0.009737	-0.025795	-0.005142
221	-0.005169	0.017465	-0.003109	-0.028586	-0.036114	-0.022126	-0.02326	-0.062682
222	-0.016193	-0.034591	0.002167	0.024327	0.000729	-0.041139	-0.005179	0.015808
223	0.022664	-0.052782	0.023934	0.028883	0.007842	-0.040449	0.015836	-0.015105
224	0.008031	-0.015791	0.000697	0.039484	0.059718	-0.016148	-0.034111	-0.018397
225	0.026302	0.015402	0.015187	-0.004553	-0.003026	-0.007595	-0.05173	-0.010938
226	-0.00736	-0.041956	0.015585	0.007817	0.019734	-0.025312	-0.04678	0.002318
227	-0.009601	-0.015718	-0.018318	-0.045214	-0.029618	0.012319	-0.007208	-0.039932
228	-0.03975	0.01152	-0.017007	-0.023211	0.007698	0.048376	0.01969	0.017752
229	-0.002772	-0.037219	-0.043121	0.033649	-0.005265	-0.001506	-0.00066	0.005421
230	0.003886	-0.001967	-0.011818	0.002058	0.016095	0.023668	-0.028528	0.044753
231	0.004248	0.020095	-0.021977	-0.040129	0.010828	-0.04184	0.003059	-0.042634
232	0.008132	0.072273	-0.037979	-0.034181	0.011116	-0.00999	-0.019312	0.050505
233	-0.013372	-0.051618	-0.04033	0.001204	0.02723	0.001304	0.006162	0.00754
234	0.014611	-0.027054	0.032909	0.035704	0.012191	0.032228	0.01349	-0.005703
235	0.003519	0.033254	-0.021478	0.078752	-0.016869	0.001362	-0.002289	0.018776
236	-0.037601	0.021778	-0.025956	-0.042403	0.017383	-0.00327	0.037425	0.026533
237	0.024218	-0.029051	0.008337	-0.056228	-0.042655	0.014903	0.024609	0.018831
238	0.009669	-0.01604	-0.01337	-0.017779	0.00671	0.010001	0.014552	-0.060757
239	-0.005711	0.015645	-0.00227	-0.00656	0.033657	0.027711	-0.046552	-0.075858
240	-0.010169	0.000221	0.003281	-0.009509	-0.009093	-0.029109	-0.014244	0.020029
241	0.004997	-0.000135	-0.03993	-0.001306	0.004903	-0.028783	-0.000235	-0.009192
242	-0.053591	0.000022	0.001448	-0.037814	-0.030088	0.04937	-0.014874	0.029167
243	-0.014537	-0.001605	-0.007586	0.018816	0.017126	0.038796	0.04107	-0.049289
244	0.016509	0.085313	0.014615	0.011405	0.002737	0.006231	0.00929	0.011393
245	0.024071	0.086149	-0.037542	0.014411	0.000708	0.018851	-0.016585	-0.013587
246	-0.013534	0.000881	0.011888	-0.059125	-0.061259	0.038712	-0.019762	-0.013039

	LV	LW	LX	LY	LZ	MA	MB	MC
247	-0.001039	-0.068374	0.032329	-0.047514	0.009804	-0.010153	0.051925	-0.030249
248	0.016978	-0.019746	0.017409	-0.028142	0.037252	-0.029755	0.020746	-0.034926
249	-0.034558	-0.024479	-0.022287	0.03897	-0.004058	-0.05755	-0.002248	0.031488
250	-0.022325	-0.009681	-0.012429	-0.047862	0.017594	0.031028	0.015204	0.037283
251	0.018016	0.039854	-0.011681	-0.002459	-0.027563	0.019172	-0.055962	0.009659
252	-0.004115	-0.003958	-0.003582	0.031462	0.003906	-0.06725	-0.006232	-0.058933
253	0.03	0.061522	-0.03009	0.010995	0.007066	0.046173	-0.014709	-0.022714
254	0.018952	0.041863	0.02418	-0.010584	-0.010983	0.013193	-0.001589	-0.010226
255	-0.001991	0.018443	0.0143	-0.022995	-0.010519	-0.000515	0.009015	-0.063222
256	-0.01941	-0.047322	-0.017863	0.020765	0.025678	0.015789	0.056838	-0.030811
257	-0.01895	-0.018994	0.017037	0.01356	-0.022822	-0.011293	-0.021018	0.008768
258	-0.007769	-0.020752	0.018712	-0.026415	-0.050879	-0.020625	-0.029446	0.020102
259	0.005061	0.001567	-0.003091	-0.021366	0.005215	0.010923	-0.034155	0.024861
260	0.033584	0.033705	0.005438	-0.0374	-0.057175	-0.016075	-0.016847	-0.005425
261	0.036951	0.019364	0.007596	0.038606	-0.034112	0.026422	-0.038354	0.003282
262	0.016121	-0.015883	0.035899	-0.032219	0.007925	-0.006464	-0.030278	0.017721
263	0.031348	0.024078	0.004252	-0.035123	0.041042	0.005813	-0.026568	0.011831
264	0.001068	0.049662	-0.006259	-0.011178	0.026166	0.004061	0.039449	0.031685
265	0.009554	0.021852	0.009506	-0.007038	-0.031622	0.051976	0.043542	0.002215
266	0.013712	-0.034819	-0.030958	0.079768	0.044431	0.038567	0.099326	0.015366
267	0.063642	-0.01244	0.069942	-0.070546	0.042695	0.008035	-0.052099	-0.021219
268	-0.017583	-0.056888	0.024652	0.024842	0.025667	-0.023322	-0.017527	-0.016986
269	-0.027512	-0.018849	-0.016089	0.033642	0.041692	-0.027935	0.025869	-0.017666
270	-0.042744	-0.0024	-0.008651	-0.01542	0.018196	0.04533	0.005093	-0.007941
271	-0.039928	-0.037208	0.003569	-0.013296	-0.019984	0.022994	0.058208	0.011016
272	0.017216	-0.017746	-0.010346	-0.011564	-0.062828	-0.031353	-0.00183	-0.068846
273	0.000329	0.011323	0.019727	0.031323	-0.013651	-0.054157	0.02399	0.0191
274	-0.003509	0.020675	0.008659	0.039503	-0.025847	-0.041496	0.029201	0.019235
275	0.03177	0.050578	-0.015473	-0.048823	0.040932	0.001057	0.01635	-0.001831
276	-0.016542	0.022001	0.008225	0.002826	0.022518	-0.023726	0.019991	-0.010749
277	0.009035	0.008794	0.020703	-0.002201	0.005285	0.01929	0.042384	0.029598
278	-0.014297	0.000314	-0.00122	0.030828	0.032898	0.027305	0.042401	0.007231
279	0.007337	0.034587	-0.028786	0.067533	0.074555	0.03136	-0.03993	-0.048568
280	-0.001652	0.011143	0.003944	0.002557	0.020926	0.016591	0.004869	-0.037451
281	0.011392	0.025056	-0.011009	-0.022296	-0.041868	-0.063094	-0.035091	-0.006844
282	-0.008497	0.004189	-0.020647	0.048797	0.031684	-0.077623	0.026387	-0.023468
283	0.005405	-0.061553	0.003102	-0.028259	0.06063	0.029932	0.024352	0.002659
284	-0.027089	0.00705	-0.01442	-0.020961	-0.017748	-0.000662	-0.011336	0.025808
285	-0.04863	-0.009466	-0.023499	0.023318	0.005201	0.029367	0.006572	0.028354
286	0.01028	0.002696	-0.021742	-0.026477	0.002881	-0.007296	-0.056744	0.021613
287	0.000188	-0.009391	-0.02145	0.018023	0.019097	-0.012663	-0.072642	0.018514

	LV	LW	LX	LY	LZ	MA	MB	MC
288	0.015504	-0.023722	-0.024314	-0.045339	0.035942	-0.03139	-0.007337	0.014394
289	-0.005801	-0.00762	0.020508	-0.001459	0.021308	0.031773	0.001582	0.015475
290	0.011362	0.004389	0.003319	0.023697	0.004371	0.01899	-0.027824	0.000418
291	0.014941	0.006294	-0.00004	-0.00003	0.01288	0.027333	-0.019243	-0.013242
292	0.002272	0.015653	-0.012428	0.005027	0.032632	0.059327	-0.029532	-0.025189
293	-0.021732	-0.022056	-0.019832	-0.023877	0.016879	-0.017772	-0.024493	-0.030884
294	-0.006826	-0.01352	-0.023774	-0.027204	0.027019	-0.016	0.035939	0.018075
295	0.004653	-0.009449	0.014776	-0.000717	-0.028851	-0.005198	-0.027089	0.040135
296	0.018586	-0.003404	0.04794	0.042534	-0.005123	-0.060821	0.007381	-0.016842
297	-0.007098	0.004773	0.018596	0.017838	-0.011374	0.031432	-0.013057	-0.014464
298	0.000678	-0.013845	0.007477	-0.023832	-0.002157	-0.070503	0.082975	0.01351
299	0.027874	-0.025482	-0.02604	-0.025189	0.014014	-0.009617	0.020967	-0.004239
300	0.000638	-0.018343	0.035784	0.056947	-0.012389	-0.010776	0.040698	-0.002929
301	-0.027196	-0.003978	-0.020444	-0.013564	-0.019594	-0.027518	-0.033186	-0.018028
302	0.003705	-0.023354	-0.004421	-0.001035	-0.014174	-0.017784	-0.068652	0.010715
303	0.022666	-0.01688	-0.031826	0.006076	-0.024681	-0.022692	0.012172	-0.05308
304	0.036199	0.038305	-0.027279	-0.049836	-0.004493	0.029121	-0.048355	-0.04949
305	0.018187	-0.006922	-0.023664	0.020625	-0.078376	-0.041194	0.010318	0.004004
306	0.022445	0.070973	-0.038241	-0.064255	-0.084584	0.028301	-0.019674	-0.050085
307	-0.00012	0.010894	-0.055706	-0.008242	-0.062566	-0.037071	0.002574	0.023385
308	0.002595	0.059431	-0.063111	0.014795	0.041797	0.025082	0.01242	-0.009122
309	-0.049049	-0.030348	-0.037111	-0.004858	0.039754	0.00621	0.013454	-0.018857
310	0.010062	0.0222	-0.058928	0.033463	-0.050326	0.022893	0.037778	0.058525
311	-0.023652	0.002037	0.001812	0.011172	0.010229	0.006676	-0.064634	0.020222
312	0.027568	0.007594	-0.012417	-0.048862	-0.028373	0.013523	-0.068772	0.020175
313	0.013376	0.034552	-0.007491	0.050496	0.052261	-0.029961	0.011376	-0.009827
314	0.058257	0.061845	0.009078	0.026604	0.018803	-0.056568	0.004964	0.041484
315	-0.025053	-0.032749	-0.042593	-0.001534	0.013583	-0.011601	-0.040842	-0.025061
316	0.005522	0.003851	-0.019239	-0.041666	-0.061094	-0.01322	-0.072514	-0.032047
317	-0.07222	0.000297	-0.051892	-0.045534	0.024208	0.055388	-0.003056	0.005426
318	-0.071006	-0.012553	-0.012367	-0.051406	0.010539	0.090409	0.045956	-0.02669
319	-0.047493	-0.028492	-0.056995	0.01193	-0.025143	0.039399	-0.024551	0.021876
320	0.023086	0.009077	-0.035273	-0.023668	-0.048945	0.017347	0.011796	0.065887
321	-0.001469	-0.005181	-0.011736	-0.03217	0.02255	0.008031	-0.02198	-0.02994
322	-0.012373	-0.043949	0.022208	-0.006686	-0.015258	-0.063225	-0.040849	-0.001137
323	0.013189	-0.003054	-0.009658	-0.08813	0.048346	-0.04627	-0.087012	0.01593
324	-0.027378	-0.013337	0.019533	0.020579	-0.113879	-0.058439	0.038696	0.009217
325	-0.141208	-0.064982	-0.070416	0.044066	-0.009133	0.024306	0.031769	0.009579
326	-0.047387	-0.034716	-0.05948	-0.019359	-0.057021	0.034992	-0.061583	-0.026864
327	-0.052845	0.034218	-0.073452	-0.029933	0.027503	-0.011954	0.008731	0.022717
328	-0.024821	-0.009964	-0.009087	-0.013675	-0.020094	-0.008543	0.029669	0.000387

	LV	LW	LX	LY	LZ	MA	MB	MC
329	-0.051547	-0.051622	-0.063994	-0.053553	-0.018792	0.016215	-0.061079	-0.012043
330	0.032687	0.009133	-0.0186	-0.048188	0.036759	0.072774	0.000806	-0.0259
331	-0.088132	-0.041634	-0.091489	-0.041713	-0.002395	-0.023952	0.006818	-0.045327
332	-0.037037	0.02514	-0.020963	0.029319	-0.034253	-0.016014	-0.01621	-0.005704
333	0.7572	-0.074089	-0.091575	-0.00759	-0.035023	0.045334	0.040593	-0.021802
334	-0.073618	0.28951	0.039668	0.075422	0.02251	0.003495	-0.006571	0.014347
335	-0.090428	0.042105	0.762663	-0.026893	-0.027118	0.045112	0.042238	0.005653
336	-0.014111	0.003393	0.002224	0.460842	-0.021349	0.025044	-0.061793	-0.055631
337	-0.013641	-0.007294	-0.000241	-0.00741	0.564386	0.014779	-0.023226	-0.032466
338	0.011316	0.029534	-0.012014	0.053542	0.011431	0.261348	0.026567	-0.075435
339	0.049912	0.028583	0.042981	-0.078666	-0.041396	0.006734	0.421246	-0.037304
340	0.03931	-0.010611	0.007325	-0.043475	-0.001611	-0.02642	-0.026543	0.188782

Appendix B2

PCA Transformation Matrix (340 x 340; Benign/Malignant)

	A	B	C	D	E	F	G	H	I	J	K
1	409.4/255.3>GPA:Lyso 16:0	-0.072906	-0.00279	0.065196	0.126547	0.040083	0.011985	-0.040261	-0.024067	0.058069	0.000796
2	433.4/279.3>GPA:Lyso 18:2	-0.029572	0.063815	0.047916	0.158016	0.030831	-0.035309	0.011406	0.036279	0.051752	-0.013216
3	435.4/281.3>GPA:Lyso 18:1	-0.047698	0.048574	0.070717	0.138994	0.020402	-0.029311	-0.008363	0.020279	0.073379	-0.016482
4	437.4/283.3>GPA:Lyso 18:0	-0.032751	-0.09578	0.001071	0.089485	0.002671	0.061765	-0.063224	-0.023486	0.029791	0.018863
5	451.4/283.3>GPA:Lyso 18:0	-0.016026	0.026825	-0.016302	0.029254	-0.007184	0.099403	-0.117715	-0.062037	-0.011923	-0.076524
6	459.6/305.5>GPA:Lyso 20:3	-0.037424	0.038996	0.047521	0.104831	0.029923	-0.062384	0.040324	-0.067334	0.063622	0.095707
7	461.6/307.5>GPA:Lyso 20:2	-0.016355	0.077341	0.045118	0.115207	-0.019826	-0.01239	-0.063803	0.030503	0.041534	-0.01581
8	463.7/309.5>GPA:Lyso 20:1	-0.029677	-0.029731	0.017736	0.087472	-0.027058	-0.030302	-0.051602	0.019768	0.047734	-0.119239
9	465.7/311.5>GPA:Lyso 20:0	-0.038753	-0.088505	-0.053178	0.040222	0.009393	0.057639	-0.048983	-0.071118	0.027943	-0.020895
10	481.4/327.3>GPA:Lyso 22:6	-0.019348	0.047196	0.070919	0.116125	0.066385	0.002284	0.066784	-0.00433	0.020503	0.010864
11	483.4/329.3>GPA:Lyso 22:5	-0.023949	0.014569	-0.004665	0.079987	-0.002676	-0.001841	-0.019279	-0.116601	-0.001063	-0.001209
12	641.8/251.3>GPA:16:1/16:2	-0.018005	0.015919	-0.024331	-0.001554	-0.022618	0.044011	-0.085001	0.110684	-0.037949	0.009867
13	643.8/253.3>GPA:16:1/16:1	-0.005615	-0.034928	0.006974	-0.050132	-0.03024	0.092119	0.06356	0.149541	0.101984	0.092088
14	645.8/255.3>GPA:16:1/16:0	-0.023948	-0.038283	-0.008299	-0.031097	-0.039958	0.076685	0.045204	0.119717	0.113584	0.059233
15	647.8/255.3>GPA:16:0/16:0	-0.079394	0.020039	0.066461	0.098874	-0.01426	0.047204	0.002358	-0.007458	0.075476	0.015136
16	667.8/279.3>GPA:34:4	0.022392	0.02734	-0.041662	0.057892	0.025566	0.005918	-0.03678	0.003649	0.057555	-0.148574
17	669.8/279.3>GPA:34:3	-0.049446	0.040381	-0.045312	0.090603	-0.009072	0.018517	-0.056775	0.090127	-0.000103	0.125815
18	669.8/281.3>GPA:34:4	-0.043446	-0.004437	-0.048136	0.079993	0.052357	0.028106	0.006096	-0.052865	0.091132	-0.109116
19	671.8/279.3>GPA:18:2/16:0	-0.012948	0.045193	-0.015042	0.153229	0.010966	0.049227	-0.000976	0.035719	0.04988	-0.0365
20	673.8/281.3>GPA:18:1/16:0	-0.055302	-0.009334	0.044559	0.041599	-0.171616	0.038643	0.05704	-0.006391	0.034396	0.040834
21	695.8/279.3>GPA:36:4	-0.018276	0.060179	0.03645	0.140041	0.020986	-0.031774	-0.000097	0.07334	0.011046	0.002886
22	695.8/303.3>GPA:36:4	-0.028035	0.019999	0.048404	0.131097	0.029854	0.08565	0.030493	-0.044899	0.063682	-0.030125
23	697.8/281.3>GPA:20:3/16:0	-0.034111	0.038237	0.041832	0.095187	-0.0229	0.039721	-0.01805	-0.001887	0.058739	-0.014468
24	697.8/305.3>GPA:18:1/18:2	-0.041347	0.040649	0.051789	0.12811	-0.028146	-0.005728	-0.011247	0.027599	0.026704	-0.015302
25	699.8/279.3>GPA:36:2	-0.041217	0.036538	0.042618	0.128951	-0.039388	-0.04286	0.015066	0.056591	-0.019035	0.0304
26	699.8/281.3>GPA:36:2	-0.052185	-0.010561	0.061257	0.022549	-0.182442	0.02368	0.042162	-0.020886	0.015211	0.030985
27	701.8/283.3>GPA:36:1	-0.046291	-0.006736	0.042175	0.044049	-0.181579	0.021953	0.058833	-0.032566	0.002649	0.025328
28	703.8/283.3>GPA:36:0	-0.079738	-0.060299	0.023124	0.063483	-0.075068	0.050334	-0.009086	-0.048035	0.010517	0.029764
29	721.8/255.3>GPA:18:1/20:4	-0.01424	-0.005479	0.053419	0.092455	-0.077675	0.066322	0.062593	0.009618	-0.01327	-0.035228
30	721.8/281.3>GPA:16:0/22:5	-0.084716	-0.080469	0.022543	0.033101	-0.002304	0.027823	-0.069143	0.003707	0.007283	0.020949
31	723.8/283.3>GPA:18:0/20:4	-0.040122	-0.003305	0.061996	0.042198	-0.158814	0.039098	0.070559	-0.072529	-0.008807	-0.003327
32	725.8/305.3>GPA:20:3/18:0	-0.011875	-0.004898	0.07168	0.045935	-0.068782	-0.037203	0.049227	-0.081143	0.029614	0.035545
33	729.8/281.3>GPA:38:1	-0.053509	0.040185	-0.013236	0.081675	-0.11092	0.030894	0.001458	0.004201	-0.059819	0.022522
34	731.8/283.3>GPA:38:0	-0.080236	-0.058188	0.018634	0.068217	-0.062033	0.045104	-0.044294	-0.009986	0.034849	0.022238
35	751.8/303.3>GPA:40:4	0.035078	0.093794	0.059084	0.05515	0.01272	-0.008037	0.029992	-0.018064	-0.091602	-0.018237
36	757.8/281.3>GPA:40:1	-0.075795	-0.002905	0.061827	-0.015566	-0.079214	-0.029368	-0.012374	0.014414	-0.108888	-0.044691
37	759.8/283.3>GPA:40:0	-0.070858	-0.00481	-0.032553	0.060562	-0.132694	0.021167	0.04651	-0.061431	0.011088	0.008228
38	777.8/329.3>GPA:42:5	-0.012977	0.043147	-0.046673	0.036401	0.005109	0.076895	-0.130603	0.082809	0.032544	-0.026191
39	481.4/253.3>GPGro:Lyso 16:1	-0.005131	-0.035472	0.001762	0.067	-0.076077	0.115119	-0.108642	-0.006033	-0.017963	0.02472
40	483.4/255.3>GPGro:Lyso 16:0	-0.065954	-0.061735	0.008791	0.072747	0.028646	0.096638	-0.049179	0.010615	0.026736	0.052043
41	507.4/279.3>GPGro:Lyso 18:2	-0.048874	-0.045014	-0.000334	0.097071	0.020193	0.094266	-0.049062	0.035877	0.023521	0.066759

	A	B	C	D	E	F	G	H	I	J	K
42	509.4/281.3>GPGro:Lyso 18:1	-0.009961	-0.045458	0.003227	0.073793	-0.02699	0.127747	-0.090852	-0.029569	0.01244	-0.007033
43	511.4/283.3>GPGro:Lyso 18:0	-0.052597	-0.082933	0.004427	0.063209	0.017353	0.091822	-0.046193	0.031684	0.020668	0.057554
44	531.4/303.3>GPGro:Lyso 20:4	-0.054517	-0.030067	0.041537	0.082642	0.039479	0.119268	-0.026043	-0.004226	0.045951	0.089766
45	555.4/327.3>GPGro:Lyso 22:6	-0.039758	-0.047232	0.034572	0.085003	0.048066	0.110903	-0.024568	0.015705	0.008566	0.076274
46	557.4/329.3>GPGro:Lyso 22:5	-0.027698	0.003738	-0.012708	0.090443	0.033185	0.129573	-0.036836	0.001142	0.005686	0.106963
47	717.8/253.3>GPGro:16:1/16:1	-0.005401	0.001969	0.017922	-0.066789	-0.118231	-0.015302	-0.077523	-0.034419	0.059115	0.022424
48	719.8/253.3>GPGro:16:1/16:0	0.010246	-0.006183	-0.040735	0.017951	-0.087709	0.079878	-0.043937	-0.007133	-0.024999	-0.006816
49	721.8/255.3>GPGro:16:0/16:0	-0.081083	-0.086789	0.016615	0.028665	-0.004156	0.028886	-0.060648	0.014521	0.00857	0.012753
50	743.8/279.3>GPGro:18:2/16:1	0.022684	0.087982	-0.022165	-0.094655	-0.029264	-0.028047	0.063997	0.097453	-0.073931	-0.049243
51	743.8/281.3>GPGro:18:1/16:2	-0.015723	0.024573	0.04087	-0.143106	-0.068335	-0.017364	-0.043515	-0.007912	-0.011913	-0.000923
52	745.8/279.3>GPGro:18:2/16:0	0.016682	0.085117	-0.062057	-0.06854	-0.028644	0.006708	0.02891	0.107199	-0.042208	-0.060283
53	745.8/281.3>GPGro:18:1/16:1	-0.042903	0.022799	0.017171	-0.151931	-0.071616	-0.011315	-0.023571	-0.041729	0.016903	-0.02268
54	747.8/255.2>GPGro:16:0/18:1	0.031428	-0.014287	-0.072488	0.003016	-0.064691	0.137095	-0.060115	-0.002505	0.022901	-0.026559
55	747.8/281.1>GPGro:16:0/18:1	-0.068755	-0.002116	0.109206	-0.081304	-0.065079	-0.035255	-0.019591	-0.046946	-0.008987	-0.014219
56	749.8/283.3>GPGro:18:0/16:0	-0.078982	-0.084161	0.026657	0.028299	-0.001837	0.024681	-0.057859	0.027822	-0.007796	0.031933
57	767.8/303.3>GPGro:20:4/16:1	0.04149	0.079219	0.065277	-0.082892	0.01521	0.074149	0.022654	-0.093807	-0.005918	0.009831
58	769.8/279.3>GPGro:18:2/18:2	0.037191	0.078961	-0.122503	0.034913	-0.019191	-0.025908	0.003265	0.054102	-0.031198	-0.018533
59	769.8/303.3>GPGro:20:4/16:0	-0.003808	-0.003942	0.024017	-0.027454	0.002786	0.147378	0.002896	-0.047428	0.047732	0.090066
60	771.8/279.3>GPGro:18:2/18:1	0.004129	0.025454	0.066307	-0.039228	-0.034749	-0.154116	0.008129	0.067538	-0.119856	0.034165
61	773.8/279.3>GPGro:18:2/18:0	-0.006231	-0.077227	0.014137	0.01674	-0.036394	0.002178	-0.021062	0.12065	-0.027496	0.115571
62	773.8/281.3>GPGro:18:1/18:1	-0.004185	-0.010853	0.046984	-0.05047	-0.083026	-0.142422	-0.056561	-0.009425	-0.036585	0.100105
63	775.8/281.3>GPGro:18:1/18:0	-0.007038	-0.096265	0.020121	0.020999	-0.045413	0.081202	-0.084503	0.035511	0.045634	0.081416
64	777.8/283.3>GPGro:18:0/18:0	-0.077705	-0.087246	0.004205	0.039829	0.009745	0.010106	-0.064888	0.01681	-0.008358	0.046171
65	795.8/303.3>GPGro:20:4/18:1	0.029311	0.051746	0.110836	-0.062185	0.021584	-0.009179	0.019708	-0.095509	-0.028905	0.071946
66	797.8/303.3>GPGro:20:4/18:0	-0.018421	-0.075912	0.049837	-0.010175	0.039709	0.102743	0.008627	-0.005113	0.013751	0.124013
67	821.8/327.3>GPGro:22.6/18:0	-0.029127	-0.054747	0.065111	0.021038	0.050633	0.099359	-0.007161	0.03465	-0.010858	0.099849
68	823.8/329.3>GPGro:22.5/18:0	0.01287	0.007761	0.057241	0.009907	0.019047	0.064869	-0.118053	0.01013	-0.016833	0.098039
69	494.4/407.4>Lyso GPSer:16:1	0.011796	-0.045719	0.010685	-0.049731	-0.023048	0.079847	0.058184	0.118538	0.06862	0.072088
70	496.4/409.4>Lyso GPSer:16:0	-0.003528	-0.022591	0.001044	-0.032985	-0.00472	0.096726	0.043313	0.128206	0.106134	0.035433
71	522.4/435.4>Lyso GPSer:18:1	-0.045761	0.005627	-0.008728	0.049898	-0.137847	0.063557	0.104241	0.02484	0.063096	-0.004589
72	524.4/437.4>Lyso GPSer:18:0	-0.044601	-0.002443	-0.01208	0.073569	-0.094147	0.037454	0.048974	-0.013533	0.012935	-0.108309
73	544.4/457.4>Lyso GPSer:20:4	-0.003452	0.034457	0.04175	0.078289	-0.047209	0.052753	0.014751	0.003881	-0.016547	-0.087225
74	570.4/483.4>Lyso GPSer:22:5	-0.004316	0.011212	-0.105457	0.032964	0.009438	-0.032707	0.047033	-0.036198	0.003293	0.062343
75	732.6/645.6>GPSer:32:1	0.005558	-0.032852	0.002337	-0.069059	-0.010399	0.073707	0.066387	0.130911	0.112486	0.080504
76	734.6/647.6>GPSer:32:0	-0.013677	-0.031477	-0.044161	-0.060299	0.009959	0.045976	0.114082	0.071237	0.087508	0.092259
77	758.6/671.6>GPSer:34:2	0.00734	-0.036502	-0.006805	-0.061664	-0.007733	0.077294	0.070304	0.124738	0.109876	0.090407
78	760.8/673.8>GPSer:34:1	0.002525	-0.033161	0.005564	-0.0602	-0.030853	0.080877	0.070657	0.127677	0.117272	0.07421
79	762.8/675.7>GPSer:34:0	-0.0123	-0.031389	0.012325	-0.06362	-0.027866	0.076376	0.07195	0.12937	0.102893	0.061001
80	782.6/695.7>GPSer:36:4	0.011661	-0.073752	-0.044275	0.046729	0.023889	0.080339	0.036033	0.052212	-0.021215	-0.023715
81	784.8/697.8>GPSer:36:3	-0.025298	-0.033275	-0.085462	-0.018794	0.003812	0.051238	0.123562	0.010816	0.053126	0.029762
82	786.8/699.8>GPSer:36:2	-0.038485	-0.009332	-0.013759	0.031962	-0.180279	0.051644	0.115769	-0.004856	-0.002901	0.033961

	A	B	C	D	E	F	G	H	I	J	K
83	788.8/701.8>GPSer:36:1	-0.04011	-0.002518	0.029083	0.043159	-0.18944	0.033402	0.076514	-0.036836	-0.00751	0.01634
84	790.8/703.8>GPSer:36:0	-0.039723	-0.00183	0.022833	0.043161	-0.193975	0.029932	0.059279	-0.03578	-0.003626	0.014487
85	808.6/721.6>GPSer:38:6	-0.00345	-0.028096	-0.009406	0.025579	-0.07778	0.072463	0.076233	0.041965	-0.039018	-0.142724
86	810.8/723.8>GPSer:38:5	0.004134	0.030992	-0.014991	0.024516	-0.128117	0.078472	0.085155	-0.010566	-0.057646	-0.055244
87	812.8/725.8>GPSer:38:4	-0.009345	0.01159	0.023134	0.060708	-0.153004	0.047916	0.090822	-0.031396	0.052078	-0.062164
88	814.6/727.6>GPSer:38:3	-0.03768	-0.008842	0.028992	0.044622	-0.18569	0.049666	0.068137	-0.015153	-0.011375	0.008645
89	816.8/729.8>GPSer:38:2	-0.040624	-0.001295	0.034268	0.046509	-0.183511	0.02538	0.062123	-0.032608	0.011195	0.017632
90	818.8/731.8>GPSer:38:1	-0.039719	-0.004142	0.034943	0.03892	-0.185644	0.028423	0.054726	-0.03129	0.002638	0.003305
91	834.8/747.8>GPSer:40:6	-0.033574	-0.001756	0.036376	0.041471	-0.18821	0.056321	0.071914	-0.033881	-0.039512	0.017987
92	836.8/749.8>GPSer:40:5	-0.007244	0.004666	0.008451	0.021012	-0.136259	0.035526	0.116218	-0.023085	-0.045257	-0.018881
93	838.8/751.8>GPSer:40:4	-0.018992	-0.017534	0.034309	0.035154	-0.189558	0.052686	0.067247	-0.012018	-0.006058	-0.043073
94	840.6/753.7>GPSer:40:3	-0.027105	-0.052354	-0.030102	0.038043	-0.099102	0.062261	0.15178	0.001546	-0.0107	-0.0575
95	778.9/97>Sulfatide:16:0	0.045674	0.007117	-0.036683	0.110753	0.018181	0.043504	0.047246	0.008336	-0.038476	-0.105828
96	806.9/97>Sulfatide:18:0	0.008653	-0.060138	0.025617	0.059528	0.021283	0.094126	-0.089013	-0.011621	-0.044667	-0.041094
97	822.9/97>Sulfatide:18:0 (OH)	-0.080177	0.033602	-0.028756	0.023822	0.074658	-0.008279	0.076047	-0.013758	-0.043782	-0.032455
98	834.9/97>Sulfatide:20:0	0.026578	-0.099498	-0.05668	0.05001	0.068661	0.079955	0.061035	0.012147	-0.009998	-0.000264
99	850.9/97>Sulfatide:20:0 (OH)	-0.090672	0.045077	0.027894	0.006806	0.069424	0.03415	0.046637	-0.017156	-0.029364	-0.075368
100	862.9/97>Sulfatide:22:1	0.048073	-0.076934	-0.079818	0.062566	0.04794	0.08714	0.027714	-0.012783	-0.034974	-0.002282
101	878.9/97>Sulfatide: 22:1 (OH)	0.00495	-0.097621	-0.055742	0.027042	0.081479	0.069818	0.081227	0.029209	-0.01566	0.03026
102	888.9/97>Sulfatide:24:1	0.0609	0.017362	-0.009428	0.062025	-0.00374	0.074771	-0.021281	-0.051274	-0.062013	-0.02817
103	890.9/97>Sulfatide:24:0	0.00142	-0.046044	-0.074314	0.072511	0.057748	0.058687	0.026752	-0.035141	-0.051278	0.005735
104	906.7/97>Sulfatide:24:0 (OH)	-0.013812	0.025799	-0.058308	0.056666	0.052272	0.005253	0.067656	-0.114635	-0.064113	0.108502
105	1147/281.3>CardioliGPInsn:52:3	-0.026976	-0.061299	0.030583	0.017241	-0.010143	0.016381	-0.114602	0.00017	-0.007208	-0.043818
106	1376/281.3>CardioliGPInsn:66:2	-0.083078	-0.004467	0.073416	-0.035515	-0.002018	-0.092733	-0.050099	-0.017245	0.002775	0.017578
107	1400/281.3>CardioliGPInsn:68:4	-0.079651	-0.013241	0.079167	-0.030472	-0.024831	-0.087839	-0.029823	0.007094	-0.008875	0.00908
108	1402/281.3>CardioliGPInsn:68:3	-0.064922	-0.013236	0.090093	-0.004344	-0.006519	-0.078451	-0.06802	0.009713	0.018373	0.003482
109	1404/281.3>CardioliGPInsn:68:2	-0.064494	-0.021809	0.078175	-0.013724	-0.014469	-0.024557	-0.024735	-0.007303	0.009593	0.006456
110	1406/281.3>CardioliGPInsn:68:1	-0.038016	-0.067954	0.064092	-0.050329	0.024282	0.005732	-0.002594	0.0376	-0.01703	-0.029614
111	1426/281.3>CardioliGPInsn:70:5	-0.08534	-0.021429	0.069062	0.002551	-0.008485	-0.027816	-0.072165	-0.026929	0.016402	0.000426
112	1428/281.3>CardioliGPInsn:70:4	-0.077685	-0.02416	0.068978	0.000754	0.005201	-0.000149	-0.071418	-0.032041	0.000683	-0.021926
113	1430/281.3>CardioliGPInsn:70:3	-0.081106	-0.008975	0.07878	-0.005339	0.003699	-0.03613	-0.057642	0.004141	-0.010801	-0.007045
114	1432/281.3>CardioliGPInsn:70:2	-0.063567	-0.057026	0.058901	0.005955	-0.036431	-0.022611	-0.074933	-0.00207	0.031677	-0.022051
115	1434/281.3>CardioliGPInsn:70:1	-0.086215	-0.032163	0.043753	0.001678	-0.009699	-0.015966	-0.04956	-0.044907	-0.01127	0.031523
116	1436/281.3>CardioliGPInsn:70:0	-0.067223	-0.048606	0.062015	-0.023881	-0.041409	-0.023594	-0.050079	0.021462	0.007595	0.050364
117	436.6/196.1>Lyso GPEtn:Lyso16:1e/16:0p	0.043885	0.071478	-0.066839	0.034421	-0.040777	0.042979	-0.067024	0.021023	-0.067332	-0.088975
118	450.4/196.1>Lyso GPEtn:Lyso 16:1	0.016683	0.036111	-0.101938	0.038854	-0.069401	-0.033515	-0.093591	-0.033405	0.060841	-0.045438
119	452.4/196.1>Lyso GPEtn:Lyso 16:0	-0.059769	0.018356	-0.079268	0.016832	-0.041971	-0.018727	-0.066455	-0.064329	0.068395	-0.055831
120	462.4/196.1>Lyso GPEtn:Lyso18:2e/18:1p	0.015348	0.064403	-0.097771	0.008847	-0.057356	0.072281	-0.074253	0.004502	-0.098351	-0.038455
121	464.5/196.1>Lyso GPEtn:Lyso18:1e/18:0p	0.027338	0.07044	-0.06157	0.033246	-0.0419	0.082775	-0.072327	0.048312	-0.093585	-0.074779
122	476.6/196.1>Lyso GPEtn:Lyso18:2a	0.028457	0.052934	-0.016709	0.094476	-0.03922	-0.108414	-0.044661	0.048659	-0.005223	-0.008814
123	478.4/196.1>Lyso GPEtn:Lyso 18:1	0.013986	0.051077	-0.076324	0.072902	-0.06273	-0.063223	-0.058516	-0.014545	0.034427	-0.075284

	A	B	C	D	E	F	G	H	I	J	K
124	480.4/196.1>Lyso GPEtn:Lyso 18:0	-0.058519	0.037477	-0.086294	0.02505	-0.041092	-0.03372	-0.04173	-0.046807	0.120152	-0.048174
125	492.5/196.1>Lyso GPEtn:Lyso20:1e/20:0p	-0.00742	0.068257	-0.110217	-0.005658	-0.02853	0.064838	-0.062552	-0.043453	-0.021434	-0.041597
126	500.4/196.1>Lyso GPEtn:Lyso 20:4	0.04682	0.084445	-0.040185	0.027135	-0.019567	0.014338	-0.045128	-0.042739	-0.003418	-0.082465
127	524.4/196.1>Lyso GPEtn:Lyso 22:6	0.051516	0.099857	-0.022403	0.036521	-0.008648	0.020756	-0.038594	-0.061888	-0.023695	-0.06118
128	688.6/196.1>GPEtn:16:0/16:1	-0.012175	-0.01929	-0.132624	-0.005622	-0.00614	0.022355	0.018394	-0.081776	-0.016546	0.090389
129	690.7/196.1>GPEtn 16:0/16:0	-0.029677	0.025573	-0.074556	-0.004071	-0.012344	0.020304	-0.000006	-0.050578	0.002647	-0.086188
130	698.6/196.1>GPEtn:34:2p, 34:3e	-0.005076	0.02706	-0.114915	0.004218	-0.009697	0.065498	0.009489	-0.027928	-0.029958	-0.02908
131	700.6/196.1>GPEtn:34:1p, 34:2e	-0.002012	0.023802	-0.040793	0.019836	0.030939	0.025512	-0.064194	0.017732	-0.008069	-0.175125
132	702.6/196.1>GPEtn:34:0p, 34:1e	-0.016195	0.012816	-0.132621	0.000852	-0.024758	0.003157	0.02935	-0.070703	-0.065128	0.086649
133	710.8/196.1>GPEtn:18:1/16:1	-0.026057	0.025012	-0.118244	0.000375	0.019641	0.053919	-0.03469	0.060614	0.029382	0.012175
134	712.8/196.1>GPEtn:18:2/16:1	-0.001288	0.040537	-0.098996	-0.011303	-0.035684	0.02249	-0.071727	0.008407	0.034557	-0.069531
135	714.7/196.1>GPEtn:18:1/16:1	-0.018838	0.061533	-0.152859	-0.005728	-0.025768	-0.00978	0.025639	-0.036405	0.019551	0.09074
136	716.7/196.1>GPEtn:18:1/16:0	-0.021798	0.055897	-0.111635	-0.050075	-0.052508	0.017384	-0.060832	-0.030104	0.050164	0.028678
137	718.6/196.1>GPEtn:18:0/16:0	0.01802	0.00649	-0.128636	0.032303	-0.0056	0.048243	0.03729	-0.09998	-0.014574	-0.017906
138	722.6/196.1>GPEtn:36:4p	-0.027832	0.018137	-0.0242	-0.003291	0.027505	0.033365	-0.139121	0.011796	-0.014852	-0.032333
139	724.6/196.1>GPEtn:36:3p, 36:4e	-0.014742	0.022503	-0.058987	0.020957	0.020259	0.041668	-0.081291	0.075648	-0.075213	0.10739
140	726.6/196.1>GPEtn:36:2p, 36:3e	-0.008988	0.018926	-0.083266	0.022315	-0.030975	-0.007667	0.053721	-0.037211	0.012809	-0.06308
141	728.6/196.1>GPEtn:36:1p, 36:2e	-0.030646	0.030014	-0.144423	0.014506	-0.014034	-0.019378	0.053285	-0.067773	-0.000192	0.067666
142	738.8/196.1>GPEtn:20:4/16:0	0.023548	0.110648	-0.036581	-0.055656	-0.019769	0.060777	-0.0414	-0.015764	0.046239	0.001782
143	740.8/196.1>GPEtn:18:2/18:1	-0.009056	0.053579	-0.130281	0.033283	-0.005761	-0.030487	0.029974	0.000218	0.04379	0.0787
144	742.8/196.1>GPEtn:18:1/18:1	-0.006148	0.068758	-0.098411	0.004172	-0.055751	-0.042216	-0.051946	0.026179	0.074409	0.009707
145	744.6/196.1>GPEtn:18:0/18:1	-0.020328	0.067964	-0.126269	0.005047	-0.019861	0.009648	-0.048232	0.009403	0.021994	0.081102
146	746.8/196.1>GPEtn:18:0/18:0	-0.010901	0.072861	-0.134156	-0.011803	-0.010594	0.054536	-0.058206	0.029621	-0.021755	0.063727
147	748.6/196.1>GPEtn:38:5p, 38:6e	0.004564	0.07701	-0.063297	-0.008831	-0.015094	0.090567	-0.117283	0.062151	-0.032998	-0.008248
148	750.6/196.1>GPEtn:38:4p, 38:5e	-0.005834	0.042416	-0.079837	0.075507	-0.009586	0.025994	0.001858	0.010805	-0.034729	0.032755
149	752.6/196.1>GPEtn:38:3p, 38:4e	-0.01744	0.020978	-0.134493	0.025863	-0.001418	-0.040848	0.085956	-0.083817	0.003319	0.076734
150	754.6/196.1>GPEtn:38:2p, 38:3e	-0.019753	0.013293	-0.118531	0.012017	-0.004529	0.001418	0.045335	-0.116926	-0.000939	0.03627
151	756.6/196.1>GPEtn:38:1p, 38:2e	0.000402	0.011037	-0.012471	-0.028528	-0.033896	0.071581	-0.043519	-0.053825	-0.024704	-0.149045
152	762.8/196.1>GPEtn:20:4/18:2	0.034602	0.113264	-0.018441	-0.025762	-0.031007	0.064146	-0.064717	-0.041483	-0.013458	0.024039
153	764.8/196.1>GPEtn:20:4/18:1	0.026498	0.101221	-0.050319	-0.029069	-0.027447	0.034052	-0.071046	-0.00543	0.004217	0.080043
154	766.8/196.1>GPEtn:20:4/18:0	0.03289	0.097617	-0.034881	-0.059054	-0.029543	0.03073	-0.017039	-0.050139	0.060444	0.026563
155	768.8/196.1>GPEtn:20:3/18:0	0.018748	0.090745	-0.0739	-0.022169	-0.042063	0.018571	-0.071224	-0.070666	0.024625	0.058421
156	770.6/196.1>GPEtn:20:2/18:0	-0.000549	0.030693	-0.122343	-0.001015	-0.026781	-0.00684	-0.006522	-0.08292	-0.061273	0.027544
157	772.6/196.1>GPEtn:20:1/18:0	-0.037848	-0.015661	-0.139596	-0.006715	-0.010895	-0.042577	0.066801	-0.07117	0.015315	0.041909
158	776.6/196.1>GPEtn:40:5p, 40:6e	-0.005066	0.01002	-0.033543	0.014156	0.01766	-0.049868	-0.029952	-0.105951	-0.037695	-0.033941
159	778.6/196.1>GPEtn:40:4p, 40:5e	-0.038168	-0.020331	0.011993	-0.007505	0.023916	0.017548	-0.019732	-0.10279	-0.036647	0.023617
160	780.6/196.1>GPEtn:40:3p, 40:4e	-0.015306	-0.021714	-0.021912	0.004198	-0.006231	0.011908	0.006681	-0.042525	-0.055116	0.031938
161	784.6/196.1>GPEtn:40:1p, 40:2e	-0.015923	0.000972	-0.08726	0.022998	-0.029255	-0.039902	-0.010016	-0.076692	-0.041761	0.102347
162	788.8/196.1>GPEtn:22:4/18:3	-0.003818	0.05636	-0.077226	0.02654	-0.03089	0.00761	0.048328	-0.064546	0.021104	0.074598
163	790.8/196.1>GPEtn:22:4/18:2	0.022073	0.078682	-0.045835	-0.021537	-0.019512	0.006342	0.052556	-0.143985	0.019799	0.09909
164	792.6/196.1>GPEtn:40:5a	0.025644	0.074015	-0.025952	-0.063763	-0.038837	0.0356	-0.078514	-0.078321	0.043042	-0.054562

	A	B	C	D	E	F	G	H	I	J	K
165	794.6/196.1>GPEtn:40:4a	0.030367	0.048035	-0.07949	-0.056761	0.017478	0.007544	-0.036841	-0.114635	0.02164	0.007741
166	796.8/196.1>GPEtn:40:3a	-0.027897	-0.040908	-0.014734	-0.040989	-0.027475	-0.029825	-0.022589	0.003211	0.066722	-0.138484
167	798.6/196.1>GPEtn:40:2a	-0.041401	-0.016512	-0.121112	-0.004345	-0.023351	-0.043524	0.033284	-0.065723	-0.03063	0.083236
168	569.4/241.1>GPIns:Lyso 16:1	0.023775	-0.002423	0.005583	0.097485	0.000391	-0.047001	-0.08565	-0.045639	0.143145	0.023867
169	571.3/241.1>GPIns:Lyso 16:0	-0.029828	-0.052726	-0.077626	0.108811	0.048908	-0.0333	0.035638	0.034239	0.099895	-0.034527
170	595.4/241.1>GPIns:Lyso 18:2	-0.023809	-0.056246	-0.049537	0.10776	0.060693	-0.026385	0.054228	0.064928	0.076799	-0.023364
171	597.4/241.1>GPIns:Lyso 18:1	-0.007871	-0.031717	-0.071707	0.14425	0.035978	-0.062698	0.021002	0.044427	0.101814	-0.025296
172	599.4/241.1>GPIns:Lyso 18:0	-0.051682	-0.028463	-0.074846	0.097855	0.044753	-0.056329	-0.021013	-0.025345	0.124121	-0.079202
173	619.5/241.1>GPIns:Lyso 20:4	0.01745	0.071415	0.014736	0.137194	0.061641	-0.024327	-0.020286	-0.035842	0.126452	0.024991
174	621.5/241.1>GPIns:Lyso 20:3	0.037471	0.04834	0.007476	0.122303	0.001751	-0.075253	-0.03205	-0.032016	0.133141	0.057119
175	623.5/241.1>GPIns:Lyso 20:2	0.018314	0.024821	-0.05421	0.119644	0.014096	-0.098066	-0.013956	-0.016047	0.092482	0.021671
176	625.5/241.1>GPIns:Lyso 20:1	-0.02822	-0.045251	-0.114251	0.06724	0.007799	-0.0614	0.009312	-0.011969	0.082461	-0.072865
177	627.5/241.1>GPIns:Lyso 20:0	0.006963	-0.057154	0.024857	0.043269	0.027628	0.01492	-0.09319	0.013739	-0.036611	-0.045946
178	679.5/241.1>GPIns:Lyso 24:2	0.026215	-0.092682	-0.060814	0.061083	0.067266	0.074794	0.027532	-0.032655	0.01094	0.001251
179	835.7/241.1>GPIns:34:1	0.044855	-0.11323	-0.024904	0.036836	0.060695	0.048921	0.012964	0.003216	-0.002429	0.02172
180	857.7/241.1>GPIns:36:4	0.04577	-0.110753	-0.015424	0.033064	0.062555	0.063359	0.017265	0.00104	-0.004589	0.035858
181	859.8/241.1>GPIns:36:3	0.034686	-0.118011	-0.020804	0.033371	0.057749	0.051681	0.022498	0.02151	-0.014339	0.030846
182	861.8/241.1>GPIns:36:2	0.050335	-0.110481	-0.011567	0.023475	0.070376	0.02961	0.024265	0.012248	-0.01447	0.023844
183	863.7/241.1>GPIns:36:1	0.062499	-0.099054	-0.01549	0.04194	0.044311	-0.007493	-0.005259	-0.011441	-0.023104	0.017464
184	865.8/241.1>GPIns:36:0	0.055777	-0.081765	-0.060211	0.049443	0.027516	0.018036	-0.016165	-0.056181	0.005635	0.01101
185	873.8/241.1>GPIns:37:3	0.060563	-0.060947	-0.010556	0.033151	0.013533	0.02403	-0.079508	-0.078554	-0.016687	-0.001265
186	883.8/241.1>GPIns:38:5	0.05039	-0.070109	0.022692	0.042448	0.009385	-0.036307	-0.074096	-0.030613	-0.020439	0.018546
187	885.8/241.1>GPIns:38:4	0.091134	0.012892	0.044545	0.000197	0.040366	0.018017	-0.019762	-0.099786	0.005905	0.039424
188	887.8/241.1>GPIns:38:3	0.089218	0.001424	0.041702	0.010875	0.011446	-0.00966	-0.033708	-0.084645	0.024006	0.067868
189	889.8/241.1>GPIns:38:2	0.078163	-0.038858	-0.029923	0.053236	0.028366	0.000549	-0.017984	-0.034937	0.020771	0.048434
190	891.8/241.1>GPIns:38:1	-0.037391	-0.092666	-0.110161	-0.011445	0.038806	-0.027904	0.055548	-0.024509	0.001029	0.004486
191	893.8/241.1>GPIns:38:0	-0.037422	-0.067936	-0.11838	-0.006791	0.039252	-0.023218	0.085681	-0.067579	0.003997	0.037729
192	909.8/241.1>GPIns:40:6	0.084815	0.030298	0.048455	0.040873	0.029336	0.011349	-0.022421	-0.106234	-0.033711	0.017964
193	911.8/241.1>GPIns:40:5	0.084715	-0.001342	0.070557	0.033414	0.040335	-0.010971	-0.028983	-0.095906	-0.009022	0.058071
194	913.8/241.1>GPIns:40:4	0.054895	-0.070173	0.030849	0.012373	0.014758	-0.03805	-0.069095	-0.086327	-0.007112	0.076281
195	915.8/241.1>GPIns:40:3	-0.025864	-0.107292	-0.024498	-0.076653	0.004314	-0.016086	-0.037076	0.00549	-0.000767	0.006344
196	917.8/241.1>GPIns:40:2	-0.016173	-0.134804	-0.041884	-0.006358	0.038058	0.011309	-0.01509	0.02688	-0.015215	0.020268
197	919.8/241.1>GPIns:40:1	-0.048378	-0.089344	-0.09804	-0.014296	0.041671	-0.037698	0.046681	-0.03631	-0.006099	0.032374
198	963.9/241.1>GPInsP: 38:5	-0.063111	-0.061261	-0.046366	-0.050192	0.001892	-0.053534	-0.064698	-0.039092	-0.004438	-0.063875
199	963.9/321.1>GPInsP: 38:5	-0.030356	-0.028252	-0.070671	0.023612	0.027113	-0.016253	0.016417	-0.069847	-0.007218	0.030715
200	965.9/241.1>GPInsP: 38:4	-0.065508	-0.081627	0.000484	-0.024357	-0.019816	-0.040385	-0.062368	-0.028504	-0.021181	-0.068228
201	965.9/321.1>GPInsP: 38:4	-0.041148	0.008884	-0.050156	0.016877	-0.050423	-0.05332	0.016211	-0.056036	-0.019377	0.096118
202	967.9/241.1>GPInsP: 38:3	-0.060621	-0.076559	0.002821	-0.045025	0.002192	-0.047561	-0.071535	-0.012569	0.007126	-0.071771
203	967.9/321.1>GPInsP: 38:3	-0.069346	-0.051435	-0.018768	0.008802	0.007093	-0.043651	-0.072583	-0.083783	-0.003599	-0.000678
204	1045.9/241.1>GPInsP2: 38:4	-0.04929	-0.059736	-0.046782	0.006129	0.033627	-0.011446	0.027263	-0.049906	-0.019637	0.047421
205	1045.9/321.1>GPInsP2: 38:4	-0.00415	-0.000462	0.028555	-0.002658	-0.001221	0.029377	-0.03957	-0.02448	0.004334	-0.032657

	A	B	C	D	E	F	G	H	I	J	K
206	1045.9/401.1>GPInsP2: 38:4	-0.020605	-0.010422	0.012088	0.010791	0.034931	0.006001	0.00221	-0.019561	0.016272	-0.086093
207	1047.9/321.1>GPInsP2: 38:3	-0.015791	-0.022604	-0.000951	0.028631	0.045388	0.013455	-0.03283	-0.017293	0.0418	-0.0841
208	1047.9/401.1>GPInsP2: 38:3	-0.055863	-0.023641	-0.004295	-0.018381	0.000213	-0.030885	-0.060003	-0.06087	-0.010742	-0.099614
209	1047.9/241.1>GPInsP2: 38:3	-0.010692	-0.070646	0.001472	0.037953	0.002682	-0.047222	-0.08253	-0.002409	0.033501	-0.051604
210	1125.9/241.1>GPInsP3: 38:4	-0.030242	-0.03125	-0.042851	-0.030425	0.00976	-0.015107	-0.042259	-0.097283	0.031554	-0.018597
211	1125.9/321.1>GPInsP3: 38:4	-0.016599	-0.009729	-0.101672	0.060954	0.026662	-0.031309	0.063737	-0.022814	0.080266	-0.073373
212	1125.9/401.1>GPInsP3: 38:4	-0.005029	-0.005891	-0.028816	0.020174	-0.012667	0.003098	-0.035818	0.075497	0.012557	-0.050406
213	1125.9/481.1>GPInsP3: 38:4	0.008512	-0.034043	0.025386	0.000747	0.028806	0.037127	0.002546	-0.009896	0.072441	-0.002171
214	835.7/281.1>GPIns:34:1	0.053021	-0.09791	-0.051244	0.051195	0.05575	0.064423	0.02007	-0.002622	0.010134	0.00358
215	821.8/241.1>GPIns: 34:1	0.040711	-0.093957	-0.02651	0.052598	0.041218	0.028745	-0.008477	-0.030932	-0.036581	-0.021981
216	494.4/184.1>GPCho:Lyso 16:1	-0.007197	-0.015633	0.027765	0.070577	-0.088468	-0.097919	-0.114163	-0.002684	0.097486	0.065256
217	496.4/184.1>GPCho:Lyso 16:0	-0.05783	0.003396	0.006907	0.052563	-0.032052	-0.072792	-0.098447	0.020264	0.059159	0.000126
218	520.4/184.1>GPCho:Lyso 18:2	-0.030144	0.074393	-0.022304	0.122329	0.012572	-0.102165	-0.008262	0.103359	0.034247	0.037417
219	522.4/184.1>GPCho:Lyso 18:1	-0.062803	0.030173	0.021117	0.074919	-0.041057	-0.088042	-0.073513	0.050913	0.082384	0.042922
220	524.4/184.1>GPCho:Lyso 18:0	-0.050247	0.001854	-0.014935	0.073046	-0.03881	-0.142516	-0.06783	0.021315	0.018164	0.06451
221	544.4/184.1>GPCho:Lyso 20:4	0.005811	0.106194	0.06389	0.064921	0.054423	0.023036	-0.006017	-0.062734	0.050154	0.07204
222	568.4/184.1>GPCho:Lyso 22:6	0.012696	0.095594	0.067971	0.09505	0.047159	0.002385	-0.000853	-0.026309	-0.007573	0.06539
223	570.4/184.1>GPCho:Lyso 22:5	0.021668	0.088732	0.074235	0.09995	0.029593	-0.026078	-0.014144	-0.023998	0.011436	0.090507
224	678.5/184.1>GPCho:28:0	-0.050297	-0.06399	-0.038798	0.003113	-0.058753	-0.067997	-0.09642	-0.001433	-0.07166	0.011495
225	678.5/184.1>GPCho:28:0a	-0.052884	-0.055378	-0.043095	0.010275	-0.058183	-0.071163	-0.094991	-0.013136	-0.071232	0.010535
226	704.6/184.1>GPCho:30:1a	-0.098161	0.034928	0.025845	-0.016733	0.065402	0.025315	0.061764	0.017562	-0.007589	-0.075475
227	706.6/184.1>GPCho:30:0a	-0.073662	0.019098	0.03745	-0.014939	0.033794	-0.007062	0.023411	-0.033233	-0.035601	-0.02025
228	718.6/184.1>GPCho:32:0p, 32:1e	-0.071956	-0.040124	-0.001555	0.043081	0.004493	-0.037141	0.033367	-0.025692	-0.136361	-0.036946
229	730.8/184.1>GPCho:32:2	-0.064141	0.012355	0.01945	0.019987	0.038821	-0.026908	0.048558	-0.02101	0.027242	-0.0232
230	732.6/184.1>GPCho:32:1a	-0.05463	-0.046615	0.015611	-0.064967	-0.034381	0.006155	-0.046436	-0.075384	0.113451	0.015974
231	734.6/184.1>GPCho:32:0a	-0.040376	-0.055883	0.02506	-0.113048	-0.009901	0.054704	-0.008414	-0.062158	0.021046	-0.064823
232	742.6/184.1>GPCho:34:2p, 34:3e	-0.030669	-0.068179	0.016245	0.070036	-0.040885	-0.087776	-0.007114	0.062602	-0.098268	-0.013058
233	744.6/184.1>GPCho:34:1p, 34:2e	0.055527	0.007884	0.006485	0.095315	-0.021901	-0.076416	0.005613	0.092777	-0.120475	-0.003526
234	746.6/184.1>GPCho:34:0p, 34:1e	-0.005905	-0.071779	0.016101	0.031273	-0.041762	0.01183	-0.016034	0.026839	-0.113658	-0.062552
235	748.6/184.1>GPCho:34:0e	-0.025896	-0.084904	-0.003618	0.008419	-0.023021	-0.000754	0.013578	-0.009898	-0.148857	-0.023706
236	756.6/184.1>GPCho:34:3a	-0.038074	-0.109372	-0.057378	-0.005479	-0.048274	-0.050646	-0.046878	0.064727	0.013296	-0.03096
237	758.7/184.1>GPCho:34:2a	0.075569	-0.028951	-0.071458	-0.02836	-0.034602	0.040906	0.004554	0.080722	-0.017794	-0.069348
238	760.6/184.1>GPCho:34:1a	0.026355	-0.084339	0.004248	-0.090204	-0.082982	0.055059	-0.075737	-0.022352	0.048312	-0.018352
239	762.6/184.1>GPCho:34:0a	0.008555	-0.081809	0.022504	-0.096224	-0.08003	0.020691	-0.083969	-0.039421	0.066988	-0.001067
240	768.6/184.1>GPCho:36:3p, 36:4e	0.072766	0.044583	0.072378	0.06934	0.005623	0.041908	0.022526	-0.037355	-0.053947	-0.000231
241	770.6/184.1>GPCho:36:2p, 36:3e	0.066236	-0.002706	0.041564	0.114543	-0.031341	-0.039619	0.012724	0.052369	-0.094926	0.0058
242	772.6/184.1>GPCho:36:1p, 36:2e	0.01739	-0.084196	-0.043945	0.060234	-0.029579	-0.067031	-0.010498	0.046592	-0.138063	-0.029389
243	774.6/184.1>GPCho:36:0p, 36:1e	0.009224	-0.091585	-0.012893	0.047348	-0.02338	-0.025297	-0.016033	-0.027742	-0.167107	0.042971
244	782.6/184.1>GPCho:36:4a	0.08391	0.037087	0.042778	-0.047275	0.012652	0.088205	0.003954	-0.099569	0.021389	0.027686
245	784.6/184.1>GPCho:36:3a	0.09813	0.002063	0.006218	0.015703	-0.054305	-0.014677	-0.0467	-0.034242	0.016437	0.075317
246	786.6/184.1>GPCho:36:2a	0.0762	-0.009856	-0.070893	0.039562	-0.045103	-0.080225	-0.039095	0.063666	-0.042581	0.0342

	A	B	C	D	E	F	G	H	I	J	K
247	788.6/184.1>GPCho:36:1a	-0.010787	-0.095629	-0.070461	-0.016442	-0.055894	-0.110174	-0.057515	0.034781	0.007287	0.053323
248	790.8/184.1>GPCho:36:0	-0.023928	-0.109802	-0.025847	-0.011982	-0.049354	-0.10491	-0.047259	0.016121	-0.009013	0.06784
249	792.6/184.1>GPCho:38:5p, 38:6e	0.053533	0.028543	0.075561	0.083865	-0.002581	0.005931	-0.000661	-0.022882	-0.103585	0.00126
250	794.6/184.1>GPCho:38:4p, 38:5e	0.071368	0.040939	0.076383	0.072008	0.017777	0.059705	0.022868	-0.031797	-0.063604	-0.000004
251	796.6/184.1>GPCho:38:3p, 38:4e	0.071743	0.019785	0.07237	0.064986	0.016523	0.069748	0.01925	-0.036678	-0.087863	0.016563
252	798.6/184.1>GPCho:38:2p, 38:3e	0.039227	-0.095544	0.011752	0.040671	-0.012354	0.055588	-0.027571	-0.0354	-0.10794	-0.000127
253	800.6/184.1>GPCho:38:1p, 38:2e	-0.045709	-0.076226	-0.000774	0.066898	0.004778	-0.032031	0.021276	0.023981	-0.159867	-0.028425
254	808.6/184.1>GPCho:38:5a	0.092807	0.040764	0.059779	0.023702	0.002377	0.030533	-0.015685	-0.072884	-0.038339	0.077767
255	810.6/184.1>GPCho:38:4a	0.089966	0.027429	0.046071	-0.020931	0.012288	0.04398	-0.002545	-0.103361	0.00022	0.07807
256	812.6/184.1>GPCho:38:3a	0.044293	-0.025244	0.050093	-0.013563	-0.008801	-0.019034	-0.019898	-0.112159	0.017277	0.120069
257	814.6/184.1>GPCho:38:2a	-0.105396	-0.021608	0.027721	-0.023283	0.065997	0.004261	0.048282	-0.03577	-0.012326	-0.036407
258	816.6/184.1>GPCho:38:1a	-0.082438	-0.053516	-0.039274	0.002349	0.041196	-0.068668	0.048149	0.034096	-0.043071	0.00977
259	820.6/184.1>GPCho:40:5p, 40:6e	0.074398	0.032526	0.066651	0.079365	0.022856	0.028619	0.014791	-0.040825	-0.117416	0.014994
260	822.6/184.1>GPCho:40:4p, 40:5e	0.049023	-0.062032	0.034176	0.037748	0.024426	0.076041	-0.004824	-0.047816	-0.11186	-0.024185
261	824.6/184.1>GPCho:40:3p, 40:4e	0.033716	-0.092179	0.020613	0.009409	0.003679	0.081721	-0.024939	-0.020573	-0.115283	-0.015245
262	826.6/184.1>GPCho:40:2p, 40:3e	-0.045233	-0.118315	-0.057077	-0.021514	-0.020921	0.010859	-0.048378	0.015224	-0.042028	-0.040148
263	828.6/184.1>GPCho:40:1p, 40:2e	-0.060723	-0.087637	-0.068761	-0.017467	-0.031426	0.033227	-0.060322	0.023668	-0.100091	-0.009896
264	834.6/184.1>GPCho:40:6a	0.077876	0.043459	0.066765	0.035034	-0.00172	0.005796	-0.007026	-0.070938	-0.046758	0.068188
265	836.6/184.1>GPCho:40:5a	0.064731	-0.029729	0.040998	-0.021407	-0.003205	-0.013989	-0.041162	-0.075754	-0.052456	0.09237
266	838.6/184.1>GPCho:40:4a	0.033892	-0.089979	0.003811	-0.052758	-0.025292	-0.014126	-0.061929	-0.04418	-0.021127	0.090342
267	701.5/184.1>SM:18/16:1	-0.087714	0.037564	0.01664	0.013516	0.053162	0.008721	0.038882	0.034889	0.002696	-0.056178
268	703.5/184.1>SM:18/16:0	-0.10233	0.04679	0.003785	-0.011494	0.058824	0.038973	0.042827	0.016083	-0.011526	-0.063321
269	703.8/184.4>SM:d18:1/16:0	-0.097386	0.036473	0.032376	-0.005535	0.069929	0.035052	0.071308	0.027352	-0.013777	-0.063656
270	705.8/184.4>SM: d18:0 / 16:0	-0.096599	0.038011	0.034631	-0.021579	0.07137	0.019621	0.069324	-0.00657	-0.00118	-0.040246
271	727.6/184.1>SM:18/18:2	-0.059605	-0.02319	-0.043122	0.023235	0.041557	-0.044637	0.084455	-0.009104	-0.030171	-0.023593
272	729.6/184.1>SM:18/18:1	-0.086006	0.015385	0.001476	-0.012172	0.053917	0.016219	0.058136	-0.029595	0.03207	-0.046213
273	731.6/184.1>SM:18/18:0	-0.096787	0.011405	0.000826	-0.054267	0.063376	0.023033	0.06037	-0.060887	0.042063	-0.037006
274	731.8/184.4>SM: d18:1 / 18:0	-0.095385	0.009158	0.010818	-0.054171	0.065372	0.02341	0.065567	-0.057801	0.042064	-0.04004
275	733.8/184.4>SM: d18:0 / 18:0	-0.070415	-0.02856	0.012369	-0.081549	0.009041	0.013904	-0.000201	-0.089677	0.097251	0.039161
276	757.6/184.1>SM:18/20:1	-0.059285	-0.091074	-0.048111	0.013933	-0.034289	-0.052056	-0.01256	0.067193	0.001643	-0.036607
277	759.6/184.1>SM:18/20:0	0.07839	-0.010629	-0.05075	-0.028992	-0.028663	0.012277	0.014544	0.114733	-0.012809	-0.020873
278	759.8/184.4>SM: d18:1 / 20:0	0.075649	-0.005513	-0.047461	-0.020632	-0.032881	0.001086	0.028929	0.115206	0.006507	-0.029864
279	761.8/184.4>SM: d18:0 / 20:0	0.01245	-0.079977	0.031124	-0.08238	-0.089715	0.031005	-0.077739	-0.010807	0.078319	0.019202
280	773.6/184.1>SM:18/21:0	-0.004892	-0.016545	-0.007809	0.065998	0.005054	-0.083984	0.050273	0.038298	-0.183974	0.030953
281	787.6/184.1>SM:18/22:0	0.028739	0.002919	-0.049299	0.053471	-0.027365	-0.147549	0.016891	0.075347	-0.082965	0.087543
282	787.9/184.4>SM: d18:1 / 22:0	0.004685	-0.000071	-0.030025	0.069616	-0.003707	-0.163506	0.077881	0.079918	-0.054715	0.094857
283	789.9/184.4>SM: d18:0 / 22:0	-0.016093	-0.092546	-0.046604	-0.010951	-0.066241	-0.107589	-0.051865	0.031801	0.028975	0.08213
284	813.6/184.1>SM:18/24:1	-0.104831	0.004875	0.040819	-0.017665	0.067953	0.01734	0.065979	-0.046799	-0.013327	-0.029844
285	813.9/184.4>SM: d18:1 / 24:1	-0.103018	0.003346	0.045369	-0.014905	0.059346	0.015853	0.075921	-0.044597	-0.011606	-0.034153
286	815.6/184.1>SM:18/24:0	-0.078437	0.013561	0.047804	0.017455	0.078663	-0.041681	0.093336	0.01526	-0.060292	0.023681
287	815.9/184.4>SM: d18:0 / 24:1	-0.075766	0.040863	-0.003314	0.020897	0.069992	-0.024008	0.101334	0.024874	-0.049474	0.011265

	A	B	C	D	E	F	G	H	I	J	K
288	817.9/184.4>SM: d18:0 / 24:0	-0.026056	-0.071671	-0.073139	0.029063	0.014539	-0.060145	0.049845	0.038783	-0.031478	-0.005398
289	841.9/184.4>SM: d18:1 / 26:1	-0.057013	-0.096867	-0.071902	-0.045004	-0.007675	-0.031755	-0.00936	-0.011209	-0.000881	-0.036257
290	843.9/184.4>SM: d18:0 / 26:1	0.067	-0.038473	-0.038665	0.010803	-0.016538	0.057546	-0.043259	-0.045753	-0.030444	-0.054166
291	843.9/184.4>SM: d18:1 / 26:0	0.066855	-0.041004	-0.036048	0.0125	-0.016	0.053414	-0.037957	-0.045317	-0.027671	-0.054549
292	845.9/184.4>SM: d18:0 / 26:0	0.066946	-0.042691	-0.016296	0.00965	-0.0242	0.069094	-0.057862	-0.05861	-0.030732	-0.041333
293	538.7/264.4>Cer: d18:1 / 16:0	-0.079533	0.025348	0.004107	0.065166	0.076365	0.065863	-0.062139	-0.015495	0.010052	-0.006462
294	540.7/266.4>Cer: d18:0 / 16:0	-0.107352	0.04385	-0.014221	0.006162	0.057301	0.033264	-0.010763	-0.023773	0.014175	0.006372
295	566.7/264.4>Cer: d18:1 / 18:0	-0.098567	0.006839	-0.014539	-0.019642	0.060461	0.027429	0.002529	-0.075405	0.053489	-0.020914
296	568.7/266.4>Cer: d18:0 / 18:0	-0.09257	0.046565	-0.018122	-0.046417	0.045523	0.049197	-0.035247	-0.008251	-0.004646	0.038005
297	594.7/264.4>Cer: d18:1 / 20:0	-0.105037	0.025385	-0.020729	-0.01604	0.035735	0.025951	-0.031531	-0.027818	0.022814	0.006197
298	596.7/266.4>Cer: d18:0 / 20:0	-0.067814	-0.041446	0.032606	0.037849	0.071876	0.062801	-0.026536	-0.038284	-0.044081	0.060952
299	622.8/264.4>Cer: d18:1 / 22:0	-0.104571	0.039364	-0.012178	-0.006463	0.028839	0.009659	-0.042138	-0.00207	-0.000378	0.061085
300	624.8/266.4>Cer: d18:0 / 22:0	-0.003066	-0.080586	-0.018198	0.027863	0.058259	0.105066	0.030493	-0.028166	-0.052294	0.051145
301	648.9/264.4>Cer: d18:1 / 24:1	-0.1117	0.011661	0.008665	-0.007081	0.040356	0.031572	-0.022828	-0.042294	0.019088	-0.004543
302	650.9/266.4>Cer: d18:0 / 24:1	-0.105688	0.042368	-0.005419	-0.034196	0.030394	0.021841	-0.044273	-0.023771	0.003449	0.040693
303	650.9/264.4>Cer: d18:1 / 24:0	-0.094808	0.054452	0.012735	-0.014986	0.011717	-0.022019	-0.007138	0.012197	-0.03347	0.049613
304	652.9/266.4>Cer: d18:0 / 24:0	-0.084569	0.068192	-0.004998	-0.018891	0.009862	0.003119	-0.041571	0.037869	-0.03732	0.075964
305	676.9/264.4>Cer: d18:1 / 26:1	-0.099091	-0.005464	0.033081	-0.026115	0.03094	0.003895	-0.006505	-0.070633	0.003816	-0.057829
306	678.9/266.4>Cer: d18:0 / 26:1	-0.029244	0.060517	-0.070253	-0.005143	-0.007193	0.078334	-0.137664	0.054547	-0.02994	0.042906
307	678.9/264.4>Cer: d18:1 / 26:0	-0.049536	-0.033992	0.011337	0.05476	-0.025494	-0.01013	-0.037457	-0.032513	-0.045536	0.005522
308	680.9/266.4>Cer: d18:0 / 26:0	-0.009249	0.060144	-0.060622	-0.001932	-0.001228	0.065265	-0.110698	0.105775	-0.029842	0.078026
309	700.7/264.4>MonoHexCer: d18:1 / 16:0	-0.081818	0.076034	-0.032147	-0.020114	0.007524	0.059978	-0.050754	0.073853	-0.059767	0.036222
310	702.7/266.4>MonoHexCer: d18:0 / 16:0	-0.055154	0.061293	-0.043269	-0.01625	0.000432	0.048934	-0.112984	0.087344	-0.053294	0.045833
311	728.7/264.4>MonoHexCer: d18:1 / 18:0	-0.108949	0.041279	0.013633	-0.005533	0.026457	0.027594	0.010594	-0.00115	-0.021886	-0.016392
312	730.7/266.4>MonoHexCer: d18:0 / 18:0	-0.065543	0.011342	-0.071314	-0.008928	-0.027027	-0.027866	0.024501	-0.070189	-0.033357	-0.022316
313	756.7/264.4>MonoHexCer: d18:1 / 20:0	-0.095854	0.0675	-0.006678	-0.012292	-0.009559	0.042957	-0.025632	0.040095	-0.056043	0.002218
314	758.7/266.4>MonoHexCer: d18:0 / 20:0	-0.059666	0.017761	-0.033717	-0.021174	-0.06976	0.016533	-0.024598	-0.032985	-0.05858	-0.05708
315	784.8/264.4>MonoHexCer: d18:1 / 22:0	-0.082036	0.082759	-0.027146	-0.008499	0.011133	0.036582	-0.030669	0.07177	-0.088197	0.029817
316	786.8/266.4>MonoHexCer: d18:0 / 22:0	-0.069379	-0.003498	-0.020866	-0.016314	-0.024684	-0.00986	0.046229	-0.007671	-0.090473	-0.001528
317	810.9/264.4>MonoHexCer: d18:1 / 24:1	-0.095439	0.064787	-0.0048	-0.013397	0.021349	0.056199	-0.01916	0.035028	-0.065076	0.020827
318	812.9/266.4>MonoHexCer: d18:0 / 24:1	-0.073959	0.078675	-0.009801	-0.012705	0.020699	0.068362	-0.060549	0.07078	-0.074312	0.002653
319	812.9/264.4>MonoHexCer: d18:1 / 24:0	-0.071755	0.084802	-0.032919	-0.006241	0.010731	0.0526	-0.043835	0.075866	-0.096365	0.03944
320	814.9/266.4>MonoHexCer: d18:0 / 24:0	-0.077936	0.076081	-0.037414	-0.015573	0.023202	0.039981	-0.048126	0.051546	-0.071529	0.068162
321	838.9/264.4>MonoHexCer: d18:1 / 26:1	-0.08882	0.063369	-0.027837	0.00916	0.00086	0.035614	-0.035799	-0.00579	-0.047376	0.062716
322	840.9/266.4>MonoHexCer: d18:0 / 26:1	-0.065416	-0.020002	-0.019982	-0.025428	-0.03149	-0.008631	0.01883	-0.020455	-0.020781	0.055325
323	840.9/264.4>MonoHexCer: d18:1 / 26:0	-0.097367	-0.000805	0.052257	-0.004	-0.010513	-0.024525	0.006062	-0.029172	0.002014	0.005262
324	842.9/266.4>MonoHexCer: d18:0 / 26:0	-0.062378	-0.01952	-0.054352	-0.032513	-0.016231	-0.058133	0.064285	-0.112522	-0.04509	0.082191
325	862.7/264.4>DiHexCer: d18:1 / 16:0	-0.093744	0.06651	-0.014178	-0.023513	0.029557	0.046263	-0.005932	0.044434	-0.060887	0.012995
326	864.7/266.4>DiHexCer: d18:0 / 16:0	-0.082293	0.028071	0.014314	-0.035333	0.010702	0.043277	0.025685	-0.047138	-0.066783	-0.011519
327	890.7/264.4>DiHexCer: d18:1 / 18:0	-0.093603	0.068909	-0.023574	-0.017546	0.019234	0.042681	-0.044454	0.040637	-0.054889	0.060697
328	892.7/266.4>DiHexCer: d18:0 / 18:0	-0.064418	-0.033211	0.012602	-0.01527	0.037684	0.015322	-0.011855	-0.053713	-0.045605	0.013982

	A	B	C	D	E	F	G	H	I	J	K
329	918.7/264.4>DiHexCer: d18:1 / 20:0	-0.105069	0.052818	0.026335	-0.00963	-0.002171	0.012723	0.007061	-0.009349	-0.039577	0.042666
330	920.7/266.4>DiHexCer: d18:0 / 20:0	-0.011219	-0.0126	-0.083924	-0.017346	-0.005253	0.033536	0.060485	-0.062116	-0.030738	0.048387
331	946.8/264.4>DiHexCer: d18:1 / 22:0	-0.094925	0.072279	-0.014203	-0.004203	0.020608	0.025745	-0.010825	0.036425	-0.078696	0.047674
332	948.8/266.4>DiHexCer: d18:0 / 22:0	-0.03663	-0.036261	-0.006624	-0.020603	0.010845	0.062945	0.056993	0.006979	-0.067896	0.045558
333	972.9/264.4>DiHexCer: d18:1 / 24:1	-0.101749	0.052846	0.009418	-0.013148	0.031185	0.030356	0.006719	0.012825	-0.053202	0.016136
334	974.9/266.4>DiHexCer: d18:0 / 24:1	-0.0863	0.018773	0.01969	-0.005727	0.066953	-0.01181	0.041227	-0.0164	0.008123	-0.011405
335	974.9/264.4>DiHexCer: d18:1 / 24:0	-0.087683	0.074271	-0.008607	-0.003858	0.020992	0.032119	-0.031498	0.07224	-0.074687	0.069099
336	976.9/266.4>DiHexCer: d18:0 / 24:0	-0.088147	0.019535	-0.028565	-0.020736	0.037354	-0.0452	0.013089	-0.077788	-0.008575	0.014512
337	1000.9/264.4>DiHexCer: d18:1 / 26:1	-0.095828	-0.027501	-0.012076	0.009757	-0.003942	-0.00446	0.005324	-0.08819	-0.032199	0.042799
338	1002.9/266.4>DiHexCer: d18:0 / 26:1	-0.053135	-0.009878	0.054421	-0.032177	0.005249	-0.046359	-0.057205	-0.040167	-0.006481	-0.016486
339	1002.9/264.4>DiHexCer: d18:1 / 26:0	-0.097022	-0.041291	0.0377	0.022591	0.00538	0.015732	-0.055319	-0.039289	-0.01519	-0.03126
340	1004.9/266.4>DiHexCer: d18:0 / 26:0	-0.024918	-0.059481	0.026759	-0.022514	0.007059	0.021753	-0.020292	-0.039727	-0.024426	0.012623

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1	0.029381	-0.049893	0.019059	-0.031939	0.027215	-0.050836	0.012222	-0.056757	-0.041654	0.019444	-0.011139	-0.038117	-0.012919	0.012025
2	0.026389	-0.039384	0.01554	0.001025	0.003014	-0.09207	0.055926	-0.038452	-0.01044	0.02915	0.037701	-0.008815	-0.02167	-0.026067
3	0.032733	-0.078848	0.048897	0.020935	-0.001291	-0.039634	0.042868	-0.02268	0.006212	-0.002625	-0.020747	0.002398	0.006085	-0.011426
4	-0.007164	0.053251	-0.011323	-0.004619	-0.037088	-0.035161	0.007963	-0.061197	-0.047887	-0.031603	0.039094	-0.057287	-0.073526	0.127669
5	0.102166	-0.006508	0.057522	-0.001044	-0.021628	0.054116	0.036342	0.026861	-0.039651	0.040063	0.020718	-0.007436	0.015567	-0.133309
6	0.017699	-0.031272	-0.001536	0.012487	-0.00871	-0.005206	0.070975	-0.08501	0.025206	0.015723	-0.09518	0.009251	0.090999	0.026711
7	-0.027727	-0.012255	0.012402	0.032385	-0.015197	0.089558	0.083284	-0.015021	0.004757	-0.00802	-0.01067	0.010829	0.117999	-0.006035
8	0.016079	0.007093	-0.023292	-0.003264	0.049884	0.055808	0.108877	0.056456	-0.061013	0.013819	0.053509	-0.072863	-0.01973	-0.105183
9	0.003044	0.064038	-0.009619	-0.003477	-0.056838	-0.027785	0.019358	-0.027193	0.013602	-0.004553	0.059963	-0.043318	-0.052544	0.111713
10	-0.00438	-0.032874	0.003261	0.084848	-0.045491	0.016018	0.144787	-0.037716	-0.012633	0.061067	-0.090726	-0.048396	0.019614	-0.034706
11	0.073345	-0.046549	0.041411	-0.032802	-0.054609	-0.067481	0.115824	0.092687	-0.061014	0.12041	-0.018708	-0.07873	-0.048687	-0.004763
12	-0.055346	-0.008553	-0.042709	-0.03162	0.02157	0.031257	0.013525	-0.102801	-0.076075	0.003211	-0.059531	0.172023	0.077223	-0.139436
13	0.062275	0.010575	0.107332	-0.070012	-0.03168	0.038579	0.039386	-0.018392	0.05069	0.007243	0.031124	-0.046017	0.062359	0.024909
14	0.123642	-0.013175	0.102938	-0.088932	-0.023101	0.011818	0.068068	-0.00322	0.025954	0.015975	-0.021858	-0.048556	0.077847	0.010869
15	0.029666	-0.015902	0.080018	-0.048044	0.054488	-0.034661	-0.03151	0.035589	-0.010177	0.006387	-0.035163	0.011619	0.006136	-0.023221
16	-0.017724	0.026426	-0.002409	-0.038539	0.117282	-0.011743	0.043603	0.033213	0.047515	0.09972	-0.021804	-0.129142	0.024507	0.048327
17	0.02179	-0.028625	0.026312	-0.012592	-0.01379	-0.00526	-0.064558	-0.064751	0.118505	-0.001267	0.00132	0.049491	-0.027368	-0.011342
18	0.050554	-0.018904	0.003622	-0.059437	0.118305	0.063918	-0.004021	0.089758	0.060945	-0.0053	0.0676	-0.00281	-0.088613	-0.00448
19	-0.014368	-0.098013	-0.031061	-0.091451	0.050375	-0.067452	0.063305	-0.008085	0.078197	0.023242	-0.018027	-0.005148	0.009747	-0.014725
20	-0.022253	0.061074	0.053834	-0.053453	0.008313	0.037384	-0.056045	0.047317	0.019889	0.019311	-0.006551	-0.015675	0.036042	-0.050233
21	-0.023757	-0.033904	0.024102	-0.022344	-0.001022	-0.113452	0.075231	-0.074307	0.045179	-0.002702	0.029854	0.019885	-0.069565	-0.02301
22	-0.020088	-0.008128	0.036692	0.004958	-0.028405	0.027897	0.018478	-0.014907	0.048838	-0.028928	-0.075096	0.11881	0.114203	-0.072222
23	-0.048344	-0.068506	0.057224	-0.078322	0.143041	-0.069078	0.102963	0.037119	-0.061786	-0.006299	0.040892	-0.002518	0.036109	-0.004292
24	0.032807	-0.064282	0.049472	-0.038939	0.047629	-0.0938	0.049765	-0.016877	0.073022	-0.0438	0.038364	0.095513	0.005764	-0.063265
25	0.062339	-0.023559	-0.015786	-0.04461	0.075304	-0.068651	0.070677	0.029999	0.023756	0.010355	0.05651	-0.032608	0.015662	-0.020223
26	-0.038028	0.049022	0.041482	-0.034255	0.004781	0.025772	-0.054223	0.072514	0.009117	0.019318	-0.016755	-0.008107	0.038376	-0.039154
27	-0.068794	0.081467	0.018866	-0.032968	-0.005316	0.037714	-0.07797	0.065481	-0.00614	0.022945	-0.009172	-0.007366	0.018175	-0.035925
28	-0.013057	0.087227	-0.008999	-0.036197	-0.036017	-0.032946	-0.005294	-0.022898	-0.003319	-0.017017	0.022602	-0.034956	-0.009014	0.036919
29	-0.075735	0.016677	0.017702	0.035238	0.021017	-0.045803	-0.014336	-0.034846	0.012596	-0.070092	-0.061987	0.061023	0.167167	-0.086516
30	0.022278	0.06552	-0.04121	0.01205	-0.022858	0.013392	-0.018421	-0.036012	-0.038833	-0.03493	-0.022335	-0.032736	-0.06035	0.018692
31	-0.071611	0.055534	-0.019488	-0.000705	-0.001628	-0.01046	0.0642	-0.057536	-0.052513	0.043422	-0.001532	0.043632	-0.011599	0.043367
32	-0.068488	0.017762	-0.027209	-0.037558	0.063615	0.036209	-0.00726	-0.032699	0.164401	0.147308	0.031541	0.051873	0.044115	0.003505
33	0.045728	-0.007986	0.02409	-0.045328	0.041604	0.053861	-0.099581	0.061746	0.012236	0.045749	0.03624	-0.005048	-0.098991	-0.066941
34	0.005146	0.096274	-0.069898	-0.027691	-0.017883	0.001002	-0.032877	0.065104	0.002635	-0.019401	0.007418	0.023922	0.01295	0.028572
35	0.096217	0.012305	0.055179	-0.01044	-0.056575	0.046467	0.047186	0.026548	-0.031029	0.007514	-0.026784	0.034217	-0.029603	-0.001361
36	0.002898	-0.031325	0.090459	-0.014424	-0.040494	-0.028409	-0.000327	0.089333	0.03472	-0.061702	0.021221	0.009341	-0.033236	-0.017883
37	-0.035407	0.056332	0.029961	-0.034151	0.008466	0.072002	-0.069385	0.059264	0.037126	-0.047209	-0.04191	0.034959	0.021724	-0.011299
38	-0.072297	-0.054097	0.028957	-0.069088	0.018999	0.025543	-0.020222	-0.033457	-0.06077	-0.073689	-0.000209	-0.031742	-0.038837	0.024625
39	0.134324	-0.102384	-0.073716	0.010814	0.043195	-0.015436	-0.057725	-0.018307	-0.013766	-0.01279	0.022397	-0.02572	0.045788	0.045853
40	0.087998	0.035139	-0.104188	-0.031868	-0.004688	-0.007505	-0.066693	0.015936	-0.001574	-0.017497	-0.065611	0.015055	-0.03467	-0.023051
41	0.11352	0.048939	-0.138844	-0.04865	-0.011236	-0.031968	-0.037679	0.020972	0.033809	-0.02491	-0.000416	0.023381	0.003213	-0.0481

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
42	0.118714	-0.085903	-0.13705	-0.067172	-0.006263	-0.019169	-0.035298	0.027661	0.099598	0.016111	-0.032374	0.014842	0.039501	0.002021
43	0.075188	0.059319	-0.126819	-0.024218	-0.030475	0.016059	-0.034889	0.021795	-0.007483	-0.044624	-0.047826	-0.022664	-0.032955	0.001201
44	0.092982	0.05586	-0.088168	-0.030222	-0.006742	0.027349	-0.038563	0.048942	-0.023611	-0.030521	-0.019177	0.057349	-0.050983	-0.040835
45	0.074612	0.042452	-0.140101	0.038894	-0.035329	0.04782	-0.025438	0.026715	0.011304	-0.011734	-0.027049	-0.054765	0.020803	-0.101732
46	0.106655	-0.006814	-0.08406	0.048371	-0.037349	0.044645	-0.001976	0.061235	-0.016561	0.02188	-0.002943	0.101372	-0.00694	-0.032688
47	0.09277	-0.128934	0.025554	0.155302	0.065273	-0.038181	-0.082371	-0.033359	0.003534	-0.065306	0.030744	-0.072676	0.028146	0.042404
48	0.145284	-0.120473	-0.064211	0.113486	0.115122	0.014361	-0.026974	-0.105136	-0.023484	0.00306	0.159091	0.004231	0.072655	0.046034
49	0.026337	0.071182	-0.036674	0.012765	-0.019378	0.026003	-0.017466	-0.046108	-0.026695	-0.054783	0.002468	-0.055453	-0.055703	0.026678
50	0.023596	-0.020158	-0.056416	-0.092879	0.012444	-0.060183	-0.035099	-0.003878	0.027788	0.043476	0.026683	-0.021519	0.041477	-0.054156
51	0.023447	-0.179791	0.027425	0.081444	0.002493	0.000696	-0.036282	0.04185	0.005519	-0.014428	-0.058698	0.019625	-0.087848	-0.039694
52	0.038668	0.02043	-0.095764	-0.041596	0.07704	-0.006217	-0.045607	-0.054338	0.000002	0.017078	0.052043	0.023369	-0.026308	-0.055892
53	0.001264	-0.135389	0.038881	0.048139	0.003766	0.046304	-0.064548	0.033588	0.013675	0.009217	-0.046748	0.009348	-0.076274	-0.060077
54	0.089185	-0.094938	-0.082081	-0.010342	0.101105	0.030432	0.006823	0.012562	-0.026908	-0.041324	0.071406	-0.01998	0.037262	-0.029416
55	-0.024213	-0.056654	0.027711	0.0182	0.003332	0.009932	-0.022492	0.0036	-0.007184	0.014063	-0.009315	-0.021776	-0.033804	-0.02725
56	0.028992	0.092258	-0.049081	0.003552	-0.022334	0.020214	0.016408	-0.016262	-0.067326	-0.049813	-0.015099	-0.050481	-0.049008	0.048129
57	-0.010397	-0.025577	-0.026988	-0.090127	0.021927	0.029974	0.007036	-0.068634	-0.026995	-0.071062	0.025116	0.025752	-0.004765	0.052152
58	0.044027	0.014845	0.015501	-0.018931	0.049266	0.011675	-0.046061	0.085913	0.022762	-0.054036	-0.021953	0.056989	-0.030873	0.045606
59	0.066599	0.038243	-0.095284	-0.059672	0.011762	0.047031	0.058805	-0.029299	-0.091503	-0.145853	0.077217	-0.004177	-0.124493	0.005015
60	0.018076	0.062298	-0.030712	-0.00236	0.034309	-0.066742	0.09605	-0.025654	0.045513	0.039389	0.056596	0.031659	0.024062	0.057388
61	0.078744	0.113958	-0.127806	-0.035261	0.025049	-0.022432	0.066522	-0.026287	-0.014248	-0.037187	0.058747	-0.020253	-0.03311	0.055067
62	0.028642	-0.083575	0.05895	0.081314	0.03937	0.026617	0.038526	0.066962	0.06296	-0.035125	-0.026861	0.072691	-0.000385	0.121575
63	0.08172	0.007542	-0.113989	-0.002376	0.036504	0.024309	0.035673	-0.042803	-0.026633	-0.029802	0.042061	-0.038983	0.018819	0.035323
64	0.035286	0.083502	-0.055606	0.020416	-0.017447	0.017868	0.034844	-0.018096	-0.015492	-0.047097	-0.02599	-0.043788	-0.063175	0.066955
65	-0.031929	0.014809	-0.024558	-0.071096	0.031599	0.05808	0.090805	-0.045933	-0.034525	-0.067349	0.035429	0.051591	0.004345	0.114139
66	0.017703	0.107304	-0.054199	-0.03064	0.006016	0.06555	0.058801	-0.010515	-0.061239	-0.080447	0.053672	0.019531	-0.135039	0.092721
67	0.059237	0.064708	-0.10502	0.075203	-0.000476	0.087702	0.042403	0.01942	-0.091511	-0.009901	0.008011	-0.067844	-0.031912	-0.043504
68	0.055103	-0.000559	-0.03088	-0.044727	0.004282	0.096088	-0.001767	0.106061	-0.130174	0.052751	0.054715	0.025814	-0.027037	0.011813
69	0.087599	-0.027305	0.152397	-0.074981	-0.009841	0.07468	0.043168	0.000951	0.021931	0.05554	0.013758	0.007743	0.050672	-0.01972
70	0.077907	0.010046	0.174719	-0.069889	-0.055085	0.009721	0.083385	-0.038437	-0.040327	0.020322	-0.023891	-0.003736	0.035027	0.07149
71	-0.032077	-0.033841	0.053554	-0.003435	-0.059209	-0.008227	0.049577	-0.116238	0.000631	0.074124	-0.019082	-0.005382	-0.04162	0.042524
72	-0.072461	-0.070098	-0.028332	0.038663	-0.024274	-0.030955	0.128835	-0.172592	-0.013215	0.038575	-0.077164	-0.018731	-0.107937	0.102357
73	-0.016511	-0.092677	0.011348	0.081077	0.01399	-0.08103	0.143914	-0.166687	-0.044944	0.078356	-0.096877	-0.010706	-0.117595	0.070581
74	-0.059861	-0.072553	-0.055558	-0.097145	-0.000338	-0.087387	0.062229	0.026234	-0.035285	-0.027072	0.040719	0.014757	-0.085446	-0.002479
75	0.103436	-0.021248	0.143724	-0.074164	-0.041322	0.009291	0.052342	-0.023421	0.032031	0.03834	0.026945	-0.030015	0.030205	0.045043
76	0.091337	-0.060142	0.131628	-0.054621	-0.08246	0.014542	0.042708	-0.041805	0.068567	0.038336	-0.005054	0.012889	0.015676	-0.016949
77	0.101575	-0.027749	0.140694	-0.076092	-0.043501	0.01962	0.039072	-0.038907	0.038735	0.051671	0.023887	-0.034167	0.019997	0.034811
78	0.096724	-0.013653	0.141329	-0.079368	-0.034929	0.03408	0.030662	-0.032793	0.028514	0.040605	0.029803	-0.039818	0.025847	0.027436
79	0.072562	-0.007227	0.14833	-0.09185	-0.035102	-0.014094	0.04079	-0.003831	0.036091	0.065493	0.023521	-0.044974	0.009321	0.050632
80	-0.066198	0.015796	0.042776	0.117068	0.031185	0.005457	0.090587	0.070813	-0.03094	0.018891	-0.029249	-0.047796	0.012831	0.0049
81	-0.005886	-0.06685	0.035775	0.011349	0.033471	0.053921	-0.080729	-0.0666	0.143163	-0.050203	-0.01503	-0.011777	-0.049682	-0.007527
82	-0.041278	0.014008	-0.001656	-0.035345	0.012366	0.007683	-0.061838	0.054264	-0.014288	0.023784	-0.039055	0.007507	-0.007358	-0.000247

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
83	-0.068318	0.059103	0.005801	-0.017412	-0.002251	0.038644	-0.08158	0.034606	-0.018471	0.035949	-0.006807	0.010287	0.002117	-0.031653
84	-0.079942	0.050761	0.001237	-0.026554	-0.025193	0.027052	-0.066424	0.027911	-0.030513	0.030624	0.001762	0.009495	0.002865	-0.030204
85	-0.048286	-0.036438	-0.020278	0.103525	0.097307	-0.009967	0.072341	-0.136161	0.002893	-0.092117	-0.04852	0.051343	-0.023956	0.080926
86	-0.010151	-0.088159	-0.063267	0.080254	0.065898	-0.042454	0.095175	-0.154114	-0.028312	0.052767	-0.028359	0.017481	-0.074359	0.09254
87	-0.085109	0.012656	-0.010177	0.075214	0.052322	-0.001384	-0.011914	-0.10197	0.006423	-0.030829	0.031716	-0.020216	-0.076333	-0.020418
88	-0.082018	0.067804	0.013662	-0.007295	0.020298	0.027526	-0.059111	0.067251	-0.027499	0.045183	-0.014417	-0.018241	0.000712	-0.027337
89	-0.065364	0.087004	0.011803	-0.024625	0.003994	0.041426	-0.092709	0.075628	-0.014734	0.025044	0.001592	-0.002229	0.009665	-0.046931
90	-0.060159	0.094332	0.018575	-0.024	-0.004275	0.026482	-0.068839	0.071895	-0.018498	0.014108	0.002567	-0.003155	0.004119	-0.029636
91	-0.05582	-0.010797	-0.004019	0.00077	-0.010097	0.010484	-0.006409	-0.015326	0.022125	-0.037012	-0.004758	-0.059331	0.008142	0.029843
92	-0.043462	-0.074046	-0.006495	0.027489	-0.025314	-0.045934	0.094269	-0.119398	0.002555	0.074726	0.080568	0.02047	-0.026909	0.043123
93	-0.049258	0.068869	-0.007152	0.029475	0.052491	0.011752	-0.02233	-0.019298	0.002611	0.064406	-0.003438	0.001108	0.014256	0.063576
94	-0.072708	0.018782	0.005819	0.032783	0.062361	0.064337	0.066684	0.022892	0.025628	-0.054732	0.029243	0.038799	0.052486	-0.039862
95	0.050035	-0.032959	0.035877	-0.034124	0.023492	0.015628	-0.107887	0.017207	-0.11928	0.061998	0.020325	0.040853	-0.087409	0.090437
96	0.030546	-0.075025	0.027909	-0.001338	0.01227	-0.087917	-0.029666	-0.097748	-0.033461	0.033137	-0.062942	0.001237	0.096804	0.079641
97	0.009352	-0.055624	0.016132	-0.061924	0.144967	0.079473	-0.055003	0.009313	-0.000503	-0.022109	-0.017185	-0.001979	-0.019512	0.064689
98	-0.090818	-0.004023	0.044945	0.091968	0.03006	-0.007819	0.005936	0.023186	0.000682	-0.054966	-0.006138	-0.005986	0.057028	-0.045736
99	0.028996	-0.015422	0.051041	-0.069365	0.088946	0.014129	-0.015136	0.039921	-0.023356	0.031428	-0.038028	-0.035935	-0.033288	0.021838
100	-0.039813	-0.041575	0.039438	0.044938	0.078703	-0.054007	0.006741	-0.00946	0.008526	-0.00648	0.020998	0.00076	0.070038	-0.016349
101	-0.094329	0.015435	0.029311	0.10668	0.020503	0.005511	0.039116	0.041264	-0.002426	-0.049742	-0.042324	-0.015122	0.017934	-0.059283
102	0.06824	-0.050334	0.08013	-0.01781	0.133395	-0.119433	-0.0958	-0.05787	-0.100121	0.060502	0.055032	0.074131	0.004472	0.03807
103	0.021098	-0.021023	0.100252	0.001893	0.069753	-0.037764	-0.120651	-0.056786	-0.020478	0.012723	0.085223	0.139605	-0.020237	-0.011524
104	0.047003	-0.010814	0.027866	-0.050351	0.069091	0.009174	-0.033846	-0.059798	-0.019457	0.068501	-0.101246	0.155515	-0.090252	0.049676
105	-0.037542	-0.017852	-0.029433	-0.059372	-0.08424	0.045428	0.0512	0.0149	0.125039	0.006349	0.075582	0.067317	0.015819	0.015127
106	0.006503	0.016115	0.045645	0.047327	-0.00487	-0.049838	0.036192	-0.013244	-0.031657	-0.01215	0.02532	0.02358	-0.055733	-0.049048
107	0.014394	-0.021404	0.060633	0.036086	0.028576	-0.067059	0.030157	-0.007258	-0.055358	-0.016883	-0.065398	0.046729	-0.102735	-0.014829
108	0.020669	-0.040681	0.063943	-0.018265	-0.013513	-0.068004	0.005532	-0.038511	0.023748	-0.05931	-0.081227	0.031766	0.009782	-0.072488
109	0.001773	-0.007855	0.077724	0.008086	-0.003366	0.03162	0.010625	0.070968	0.061039	0.023169	0.086185	0.040897	-0.060592	-0.068003
110	-0.007623	0.00554	0.027877	0.073048	-0.002144	0.068001	0.064621	-0.049224	0.023311	0.064359	0.065449	-0.032669	-0.12758	0.064527
111	0.033361	-0.0014	0.02492	-0.001124	0.037812	-0.005303	-0.033591	-0.044968	0.076398	-0.046287	-0.069138	0.050294	-0.018258	-0.024429
112	0.032061	-0.015346	0.051492	-0.011102	-0.037987	-0.085975	0.019253	-0.082712	-0.023219	-0.00921	0.062446	0.060428	0.05232	-0.063302
113	0.031918	0.010812	0.075281	-0.030911	0.004953	-0.021783	0.011836	-0.080239	-0.014571	-0.034231	-0.018051	0.0308	-0.049652	-0.067218
114	-0.002978	0.030578	-0.038347	-0.023255	-0.079621	-0.024424	0.016141	-0.053245	0.015341	0.063828	0.019798	0.051794	-0.028114	-0.086608
115	0.046266	0.047791	0.045777	-0.049468	-0.042342	-0.039082	0.035875	-0.036988	0.039035	-0.01055	-0.032322	-0.002863	-0.070026	-0.031772
116	-0.02619	0.01607	0.042622	0.060916	-0.07384	-0.019017	0.078539	0.028927	0.029669	0.020588	-0.000771	-0.007559	-0.040877	0.026943
117	0.059718	-0.018502	0.039255	0.014452	-0.033884	0.025985	-0.026601	0.001989	-0.044056	0.050601	-0.067476	0.083291	0.183125	0.058526
118	0.058888	0.013765	0.081008	0.04297	-0.006403	0.039594	-0.039777	0.062068	-0.064624	-0.021071	0.045661	-0.043747	-0.048078	0.076678
119	-0.066722	-0.062421	0.021409	-0.094436	-0.050824	0.012162	0.095962	0.014526	0.017399	-0.025122	0.086334	-0.096132	-0.005367	-0.025167
120	0.074365	-0.051036	0.013021	0.029375	-0.010016	-0.005805	-0.013346	-0.051103	-0.036138	0.064237	-0.004554	0.042732	0.120266	0.016481
121	0.049134	-0.029718	0.030795	0.049535	0.046432	0.049631	-0.001623	-0.003535	-0.028804	0.048911	0.011417	0.063207	0.11883	0.079454
122	0.087458	0.099133	0.095274	-0.018649	-0.059911	-0.044965	-0.007003	-0.010243	-0.015915	0.005531	0.099604	-0.022138	-0.107554	0.000721
123	0.083852	0.066386	0.110816	-0.015849	-0.056843	0.018167	0.055195	0.074299	0.028426	-0.050492	0.001837	-0.015564	-0.103347	-0.010533

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
124	-0.046491	0.004682	0.010115	-0.07294	0.042891	-0.012615	0.10852	0.090539	-0.013279	-0.085508	0.092448	-0.058685	0.014092	0.008794
125	0.083205	0.077632	0.072418	0.009061	-0.012589	0.046554	-0.015388	-0.021628	-0.009728	0.033743	-0.105572	-0.06061	-0.013928	0.005938
126	0.080194	0.136331	0.090622	-0.012055	-0.079166	0.073114	-0.002689	0.012013	-0.002548	-0.012147	-0.132435	0.022263	-0.02471	0.018021
127	0.06618	0.0778	0.05883	0.007714	-0.088599	0.075549	-0.00655	0.005183	-0.002647	0.011597	-0.125998	-0.034418	0.018386	-0.023705
128	0.006531	-0.040947	-0.017973	-0.021778	-0.164792	0.017553	0.012422	-0.078789	-0.046755	0.070923	-0.014615	0.041982	-0.054009	0.021992
129	0.055275	0.098272	0.036962	0.021965	-0.038247	0.073718	0.050634	-0.083931	0.043354	-0.008063	0.130715	-0.018624	0.016897	0.021725
130	0.094808	0.031786	0.011892	0.0686	-0.058946	0.052062	0.077354	-0.079769	-0.048489	0.029731	-0.023964	0.008148	0.00838	0.01608
131	0.077335	0.070593	-0.005303	0.092094	-0.009238	0.173777	0.034768	-0.068843	0.086055	-0.000693	0.083682	0.04343	0.04455	0.049305
132	0.018748	-0.063004	0.013534	0.028921	-0.066246	-0.017594	0.009591	-0.080294	-0.040793	0.037571	-0.046334	-0.007602	-0.078493	0.007868
133	-0.138798	0.007385	0.008301	-0.011851	-0.041803	0.099782	0.020703	0.056467	-0.052059	0.030616	0.022147	0.109723	-0.014295	0.02959
134	0.022801	0.106422	0.066732	0.057035	-0.009258	0.021949	-0.057915	0.072211	0.000116	0.007427	-0.029734	0.095969	0.023897	0.092855
135	-0.016742	-0.023488	-0.000895	-0.029	-0.017444	-0.014405	-0.012249	0.013487	0.00293	-0.007498	0.02533	-0.028057	-0.00571	-0.041005
136	-0.03262	0.01346	0.027926	0.010185	-0.0139	-0.060409	0.13944	0.023066	-0.03578	-0.000589	0.058592	-0.07561	-0.058069	-0.073628
137	0.033283	0.025305	0.098726	0.042372	-0.062763	-0.004366	0.030704	0.01053	-0.022813	-0.032732	-0.046292	0.070164	0.060329	-0.084994
138	-0.05366	0.030522	0.056539	0.046223	0.018252	0.043298	-0.007839	-0.113397	0.124312	0.018046	0.041199	0.04441	-0.118205	-0.044771
139	-0.14312	-0.043947	-0.00959	-0.031456	-0.077438	-0.001016	-0.007435	0.001864	-0.051319	0.057371	0.031565	-0.049645	-0.040508	0.043927
140	0.113018	-0.005367	-0.010774	0.037202	0.017183	0.052732	0.058102	0.149198	-0.068908	-0.011267	0.040135	0.052115	-0.041022	0.083186
141	0.037961	-0.018359	-0.031252	0.035938	-0.05076	0.003797	-0.068564	-0.008864	0.011807	0.046623	0.018042	-0.006258	-0.039522	-0.017406
142	-0.045436	0.013792	0.032123	-0.050624	-0.05006	-0.06793	0.063713	0.003418	-0.009654	-0.126829	-0.005794	-0.053459	0.042472	0.04085
143	-0.01914	-0.040774	0.002181	-0.023421	0.047279	-0.060667	0.009591	0.056306	0.013471	-0.112734	0.121314	0.009399	-0.056047	-0.003262
144	-0.021791	0.053669	0.006055	-0.042733	0.056644	-0.08741	0.107594	0.099206	-0.018857	-0.099589	0.052216	-0.050741	0.015592	-0.032083
145	-0.070241	0.023601	0.053735	0.007715	-0.016017	-0.021237	0.01989	0.022477	0.037746	-0.080635	0.019596	0.014354	-0.021501	-0.03807
146	-0.061465	0.016002	0.042521	-0.006193	-0.060259	0.044683	-0.039086	0.005946	-0.02377	-0.00859	-0.082448	0.000119	-0.001554	0.017675
147	-0.03224	0.082325	0.068108	0.001191	-0.032017	0.03539	-0.019033	0.023258	-0.061285	0.036484	-0.040169	-0.025367	-0.000683	0.016802
148	-0.01277	-0.014019	-0.00734	0.021919	-0.110172	0.088031	-0.009999	-0.073981	-0.082073	0.095499	0.066462	0.131408	-0.022667	-0.051248
149	0.053366	-0.060842	-0.031269	0.014036	-0.032822	0.029607	-0.029917	-0.017685	0.01896	0.016018	0.037982	0.024145	-0.061373	-0.043082
150	0.110082	-0.044744	-0.020964	-0.005634	-0.035426	-0.006998	0.012527	-0.061693	0.009805	0.00623	0.000319	-0.001922	0.0084	-0.052685
151	0.107417	0.059488	0.065718	0.019746	0.059829	-0.068456	0.024609	-0.01597	-0.001274	0.049642	-0.133029	-0.093241	-0.118625	-0.0029
152	-0.067993	-0.01111	-0.02051	-0.025289	-0.038353	-0.019208	0.049947	-0.044148	0.013859	-0.054341	0.022141	-0.145073	0.051188	-0.049071
153	-0.097348	-0.015372	-0.021451	-0.031572	-0.008077	-0.060613	0.029282	0.000648	-0.001049	-0.13654	0.059592	-0.10424	0.020829	0.033508
154	-0.047754	0.091051	0.002028	-0.059899	0.009318	-0.042242	0.083155	-0.039563	0.041149	-0.158568	0.005895	-0.084145	0.020318	0.018088
155	-0.005387	0.096254	0.062039	-0.012437	-0.031556	0.035635	0.092791	-0.080347	0.014865	-0.058793	-0.071641	-0.042099	0.007769	-0.018919
156	0.097684	0.050931	0.020245	-0.028883	-0.066081	-0.010275	0.073006	-0.036613	-0.033296	-0.019881	-0.123624	-0.04521	-0.006666	0.02218
157	0.045033	-0.034182	-0.000971	-0.041381	0.026583	-0.028015	0.008219	-0.018796	-0.003482	-0.006565	-0.049846	-0.052592	-0.038716	-0.036663
158	0.062111	0.113645	0.112458	-0.02537	-0.020939	0.056432	0.097773	0.025524	0.095234	0.011823	-0.062808	-0.094253	-0.019636	-0.143262
159	0.028711	-0.043703	-0.016271	-0.037121	-0.121435	-0.071724	0.099769	0.049147	0.0365	0.059289	0.143868	0.104245	0.152455	-0.027564
160	-0.001886	-0.067989	0.003289	-0.081874	-0.055021	0.012504	0.110133	0.087385	-0.009907	0.142971	0.174974	0.038552	-0.013166	0.123111
161	0.029088	-0.040584	-0.024756	-0.037543	-0.174872	-0.029642	-0.012904	-0.053543	0.018592	0.126243	0.05058	0.035632	-0.051864	0.002816
162	0.00762	-0.105756	-0.012443	0.004662	-0.001509	-0.098635	0.058582	0.022143	-0.03751	-0.127792	0.072385	-0.039646	0.092779	-0.135227
163	-0.003958	-0.038377	-0.0421	-0.026401	-0.04121	-0.026042	0.012342	-0.080484	-0.002418	-0.063443	-0.030077	-0.091835	0.10898	-0.050648
164	-0.023735	0.056296	0.047596	-0.022528	0.060278	0.059484	0.100967	-0.050469	0.093946	-0.060411	-0.043067	-0.096778	0.033035	-0.095385

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
165	-0.022436	0.035044	0.012027	-0.061539	-0.010299	0.066892	0.012369	-0.064696	0.039989	-0.042947	0.011827	0.043808	-0.057069	0.044699
166	-0.012587	0.009867	-0.023756	-0.077576	0.120346	0.019062	0.211596	0.103388	-0.010678	-0.057157	0.077897	0.0678	0.035433	-0.006022
167	0.025047	-0.048377	-0.05029	-0.048655	0.00709	-0.019677	0.084228	0.014123	0.017952	-0.00594	-0.026862	0.050596	0.01854	-0.001108
168	0.001779	-0.057024	0.016804	0.07334	0.000013	-0.039698	-0.070823	-0.037069	0.02431	0.024695	-0.047777	-0.158793	0.058412	0.048672
169	-0.063985	-0.014813	-0.049099	0.109731	-0.050921	0.083625	0.004336	0.022795	0.000787	-0.020067	0.006463	-0.018245	0.04467	0.029178
170	-0.071158	0.016237	-0.06601	0.123636	-0.085657	0.066409	0.047275	0.014614	-0.004815	-0.007554	-0.000476	-0.024976	0.059703	-0.003599
171	-0.042589	-0.022134	-0.017181	0.087735	-0.063672	0.044994	0.004513	0.063657	0.002014	0.008523	0.013978	-0.005549	0.050652	0.047418
172	-0.042646	-0.032415	-0.016251	-0.032939	0.036304	0.063351	-0.016736	-0.006637	-0.039676	0.003628	0.063487	0.005084	-0.003768	-0.00027
173	-0.026495	-0.019702	0.01972	-0.010074	-0.007889	0.032842	-0.037648	-0.034321	-0.025408	0.046274	0.031468	0.058503	0.009869	0.021063
174	-0.003436	0.008468	0.039699	0.01097	0.061509	0.018561	-0.05548	-0.061999	-0.019164	0.064414	0.031809	0.000128	0.016622	0.039381
175	0.014255	-0.035071	0.048783	-0.014765	0.012051	0.019595	-0.036045	-0.032814	-0.060467	0.068211	0.088221	-0.017026	0.009352	-0.040196
176	-0.019859	-0.05228	-0.017043	-0.052261	0.057221	0.025978	0.016053	0.093541	-0.064512	-0.023374	0.020951	0.035554	-0.012784	-0.002585
177	-0.034815	-0.051784	-0.068286	-0.110336	-0.074972	-0.03392	-0.044565	0.09167	0.097685	0.093865	-0.112026	-0.058644	-0.003264	0.08001
178	-0.093864	0.006697	0.068383	0.059942	0.041523	-0.009316	-0.015753	0.006847	0.014669	-0.046444	0.072413	0.01233	0.005466	-0.065012
179	-0.073721	0.023769	0.067542	0.099065	-0.00964	-0.037527	0.009818	0.023001	-0.006381	0.018892	-0.021171	-0.033165	0.055728	-0.025333
180	-0.076922	0.04225	0.067916	0.093207	0.000277	-0.027599	0.028713	0.006965	-0.020027	-0.005346	0.005872	0.000708	0.035907	-0.035775
181	-0.081532	0.045771	0.06036	0.09395	-0.005273	-0.038221	0.043346	0.011654	-0.016052	-0.000172	-0.008666	-0.001997	0.042741	-0.038426
182	-0.090459	0.045859	0.036892	0.064732	-0.009609	-0.060996	0.050933	-0.012041	-0.005065	0.041794	0.010675	-0.015578	0.050084	-0.056515
183	-0.04984	0.041518	0.09528	0.053982	-0.027703	-0.071609	-0.008514	0.012043	0.01504	0.068961	-0.013126	-0.047731	0.038671	0.004646
184	0.000108	0.019832	0.126269	0.001176	0.026072	-0.048605	-0.07124	0.025995	0.026621	0.040912	-0.04441	-0.049714	0.022276	0.006017
185	-0.010904	0.058715	0.153864	-0.002183	0.072625	-0.051987	-0.00464	-0.014965	-0.001568	-0.050812	-0.010708	0.016489	-0.006394	0.06607
186	-0.030866	0.048323	0.14676	-0.067389	0.069079	-0.050739	-0.050493	-0.015403	-0.058747	0.002946	0.085864	0.088306	0.032496	0.044143
187	-0.018521	0.064379	0.056237	-0.071045	0.035008	-0.03534	-0.057486	-0.033715	-0.066414	0.056441	0.065635	0.024585	-0.024782	-0.003521
188	-0.014791	0.061628	0.073818	-0.056324	0.096931	-0.039584	-0.066634	-0.062009	-0.040582	0.058292	0.068861	-0.008863	-0.015017	0.006761
189	-0.009329	0.045812	0.105759	-0.014466	0.11102	-0.021578	-0.081755	-0.052924	0.001531	0.06086	0.060379	-0.029424	0.011751	-0.037637
190	-0.051671	-0.016021	-0.010217	0.0293	0.042178	0.034584	0.045339	0.031388	0.071682	0.035457	-0.035617	0.032264	0.008418	-0.007182
191	-0.015076	0.012376	-0.028705	0.064236	0.007003	0.024276	0.008923	0.048246	0.032947	0.041334	-0.054876	0.021636	-0.009945	0.019438
192	-0.001719	0.014898	0.025629	-0.004742	-0.026008	-0.028695	-0.047933	0.020478	0.012373	0.090098	-0.012654	-0.130451	0.058283	-0.014407
193	-0.039541	0.018146	0.03602	-0.024598	0.025007	-0.031207	-0.059884	-0.00072	-0.024112	0.073086	0.081594	-0.066519	0.015995	-0.041929
194	-0.029392	-0.015664	0.105199	-0.065488	0.097653	-0.023942	-0.044113	-0.001195	-0.06524	0.096307	0.075711	-0.006555	0.01091	-0.04633
195	-0.024882	-0.019084	0.045122	-0.093537	0.042195	0.083228	0.071351	-0.019006	-0.052563	0.11958	-0.016706	0.060894	0.007545	-0.061112
196	-0.029701	-0.00201	0.036588	-0.022111	0.045326	0.062327	0.052704	-0.006898	-0.026213	0.052253	-0.028317	0.015017	0.012674	-0.053663
197	-0.02008	0.031253	-0.034493	0.035552	0.004042	0.035595	0.017156	-0.029985	0.043326	0.034616	-0.029491	0.03929	0.021744	-0.009474
198	-0.03445	0.033804	0.044226	-0.076299	0.027267	0.029985	0.017247	-0.080296	-0.114671	0.081314	0.017732	0.031035	0.019372	-0.094539
199	0.047343	-0.108342	0.001205	-0.086925	0.016136	-0.061532	-0.012697	0.008184	-0.093635	-0.0171	0.035975	0.004906	-0.13909	-0.132415
200	-0.053746	0.024639	0.015233	-0.09727	0.016334	0.02292	0.050611	-0.051142	-0.092255	0.04935	0.067208	-0.000067	0.005023	-0.054577
201	-0.069195	0.001528	-0.02902	-0.004306	0.003435	-0.004365	-0.056145	0.161179	-0.004989	0.101375	0.101567	-0.059204	-0.094042	0.014525
202	-0.038978	0.031373	-0.002593	-0.067653	0.000081	0.064633	0.008341	-0.113345	-0.073224	0.065706	0.056115	0.020729	0.056337	-0.102773
203	-0.030801	0.052197	-0.068507	8.000585	-0.099982	-0.014258	0.044598	-0.086473	0.024953	0.089051	0.048504	0.056359	0.03844	0.063948
204	-0.034617	-0.042434	0.024069	-0.00061	-0.037318	0.063978	-0.03933	-0.136306	0.180919	0.022192	0.086129	-0.093795	0.022836	-0.02486
205	0.020042	-0.079592	-0.050319	-0.068166	-0.007712	-0.052336	-0.000622	0.003694	0.022826	-0.097611	-0.182798	-0.053598	-0.091931	-0.073528

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
206	-0.010418	0.025599	-0.036145	0.01114	0.069199	0.139423	-0.12297	-0.098859	0.334233	-0.109265	0.110234	0.007227	-0.00655	0.015498
207	0.011533	0.008943	-0.02061	0.0484	-0.014288	0.114913	-0.096361	-0.132624	0.130783	-0.004055	0.181966	-0.098461	-0.11296	-0.002791
208	-0.03454	0.141279	-0.031616	0.006944	-0.009848	0.073526	0.060542	-0.020311	0.037647	0.018712	0.074289	0.00781	0.037618	0.024868
209	-0.015577	0.020648	0.026708	-0.063266	0.01022	-0.037542	0.076814	0.005791	-0.08325	0.122698	0.083571	-0.03894	-0.083909	-0.099443
210	0.028594	0.085919	0.084185	0.046035	-0.022781	0.048225	0.029072	-0.139157	0.087263	0.017793	-0.082999	0.086732	-0.103499	-0.084714
211	0.008102	-0.051138	-0.07558	0.006327	0.060622	0.10071	-0.036095	0.014787	0.06742	-0.097326	0.048082	0.012789	-0.100679	-0.008441
212	-0.096929	-0.026721	-0.050137	-0.034012	0.096491	0.00695	0.067556	-0.01202	-0.165581	-0.015916	-0.067148	-0.015822	-0.036776	0.182066
213	0.007754	-0.043092	0.08365	0.002075	0.052008	0.09589	-0.011454	-0.083031	0.212069	-0.04573	0.067724	0.051064	-0.022648	-0.05653
214	-0.059652	0.013283	0.090165	0.071141	0.004591	-0.013304	-0.018377	0.042461	0.010854	-0.002513	-0.018942	-0.025331	0.069001	-0.03657
215	-0.040817	0.049429	0.151898	0.066815	0.06465	-0.043574	-0.010278	0.037169	-0.004275	-0.042204	0.015708	-0.082628	-0.022212	0.045835
216	0.052091	-0.089176	0.043721	0.110649	0.002529	-0.030449	-0.061936	-0.008672	-0.044644	-0.076858	-0.012689	-0.052155	-0.010495	0.011549
217	-0.074297	-0.118412	-0.018945	-0.061483	0.017105	0.090396	0.013409	-0.000715	-0.048294	0.035347	-0.097337	0.001252	0.008789	-0.04351
218	-0.042469	-0.001921	-0.017931	0.031553	-0.034562	-0.060885	-0.00849	0.003808	0.016675	-0.014619	0.024188	0.017558	-0.019291	-0.03757
219	-0.030185	-0.099624	0.04582	0.108629	-0.051008	-0.006987	-0.020735	0.051777	-0.005758	-0.046014	-0.04192	0.029098	-0.051015	-0.025142
220	-0.046843	-0.040302	-0.001927	0.003237	0.038395	0.10705	0.092124	0.033902	0.013713	-0.051473	-0.079527	0.033447	0.043966	0.100593
221	-0.040054	-0.022617	0.022073	-0.010326	-0.007424	0.04938	0.013639	-0.054234	0.000275	-0.082259	-0.037292	0.065878	0.005634	0.030602
222	-0.025906	-0.060487	-0.008616	0.055303	-0.023095	0.060163	0.026277	-0.018451	-0.005202	0.032218	-0.058137	-0.079286	0.045704	-0.072704
223	-0.000962	-0.046425	0.006296	0.074267	0.003088	0.064986	0.031207	-0.003881	-0.009846	0.01098	-0.029178	-0.03482	0.004815	-0.059777
224	0.037755	-0.013917	0.021547	-0.002743	0.025451	0.091409	-0.084713	-0.047383	-0.058886	0.012498	0.018404	-0.086122	0.141096	0.050826
225	0.03787	-0.001134	0.021783	-0.003109	0.011969	0.104154	-0.096235	-0.03068	-0.058869	0.007632	0.019348	-0.08448	0.135824	0.060913
226	-0.008378	-0.017037	0.043537	-0.016783	-0.050877	0.025669	-0.02877	0.041322	-0.042474	0.001674	0.043883	-0.063656	-0.001068	0.045713
227	0.075646	-0.028447	0.071715	0.072267	-0.03932	0.039015	-0.079092	0.034438	-0.086914	0.010783	0.136937	-0.166638	0.085436	0.117826
228	0.008437	-0.037268	0.007314	-0.003929	-0.102192	0.063214	-0.044147	-0.02816	-0.036556	-0.089233	0.085543	-0.100425	0.008502	-0.028823
229	0.031583	0.014046	0.024036	-0.061133	-0.055058	-0.02187	-0.137158	-0.042961	-0.160356	-0.102527	-0.009891	0.090448	0.077494	0.018433
230	0.046553	-0.081362	0.045626	0.118324	-0.007442	-0.076481	-0.097912	-0.000723	-0.06425	-0.067616	0.006466	-0.059148	0.063331	0.06737
231	-0.041921	-0.087925	0.00821	0.067207	-0.124145	0.001282	0.016125	0.036366	-0.003954	-0.018299	0.055392	-0.042024	-0.012784	0.025605
232	0.026661	-0.022139	0.013903	-0.065889	-0.057806	0.074057	-0.006075	-0.059364	-0.054803	-0.059635	-0.03684	-0.048516	0.053542	0.006396
233	0.072446	0.040028	0.071335	0.007262	-0.071893	-0.026011	-0.044392	0.021446	0.002032	-0.01449	0.08562	0.030655	-0.113946	0.011415
234	0.020249	-0.110435	0.094241	0.046186	-0.138418	-0.046521	-0.006052	0.078433	0.068647	-0.114508	0.098603	0.034612	-0.107354	0.039979
235	-0.033532	-0.098183	0.096588	0.014375	-0.110675	-0.035686	-0.028032	0.021819	0.031645	-0.141632	0.078394	0.005845	-0.017452	0.042
236	0.025797	-0.001	-0.02067	-0.049742	0.023303	-0.027585	0.007941	-0.027641	0.000867	-0.072392	-0.060987	0.04798	0.040269	-0.015293
237	0.040023	0.071622	-0.089625	-0.012951	-0.001181	-0.103367	-0.000005	0.042804	0.067421	0.071566	-0.014394	-0.046532	0.017236	-0.096129
238	0.013642	-0.089364	0.006264	0.111803	-0.032763	-0.033411	-0.035211	0.037173	0.031262	0.029598	-0.041657	0.016491	-0.062857	-0.079923
239	-0.001946	-0.080283	0.025835	0.128145	-0.05017	0.00097	-0.038014	-0.005871	-0.030897	0.020684	0.005185	0.038789	-0.07792	-0.072012
240	0.027417	-0.029961	0.025595	-0.016105	-0.075441	0.104279	0.040032	0.061023	0.053026	-0.032719	0.021618	0.082786	-0.059016	0.059698
241	0.068441	0.00289	0.075607	-0.014521	-0.051503	0.01781	0.031424	0.058671	0.055516	-0.026964	0.040836	0.044138	-0.084015	0.046689
242	0.007879	0.018968	0.053586	-0.044086	-0.053321	-0.097688	0.020949	-0.03278	0.016451	-0.108153	0.032778	0.024488	-0.002816	0.001696
243	-0.020706	-0.030229	0.081742	-0.022024	-0.035981	-0.01924	-0.018624	-0.046973	-0.013387	-0.134644	-0.000164	-0.078377	0.00372	-0.042961
244	-0.01803	0.046341	-0.003543	-0.046327	0.011543	0.027898	-0.000169	-0.058759	-0.03186	-0.092785	0.032241	0.043161	-0.016209	0.029415
245	0.008622	0.060535	0.027895	-0.001108	0.130006	-0.028796	0.001981	-0.04874	0.008082	-0.050712	0.018235	0.053402	0.014775	0.030424
246	0.043366	0.090188	-0.016983	0.046701	0.033695	-0.044734	0.06328	0.03586	0.064014	0.024902	-0.002749	0.043768	0.015601	0.05722

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
247	0.04295	-0.049562	0.032255	0.042216	0.049278	0.032862	0.038988	0.020188	0.040864	0.008038	-0.075036	0.047101	0.000361	0.048858
248	0.036187	-0.071211	0.032189	0.028869	0.020563	0.069915	0.020598	0.026703	0.012701	-0.038258	-0.083186	0.001286	0.011894	0.041606
249	0.01551	-0.074291	-0.015863	0.02188	-0.075976	0.125223	0.058741	0.072831	0.044479	0.021972	-0.025121	-0.076085	0.059653	-0.011618
250	0.030817	-0.053638	0.022946	-0.006177	-0.072073	0.042838	0.05917	0.087365	0.058806	-0.032213	0.030473	0.07304	-0.043845	0.042762
251	-0.021611	-0.029389	0.069378	-0.051068	-0.061358	0.042933	0.0485	0.067486	0.056234	-0.07808	0.044496	0.056287	-0.026642	0.057619
252	-0.042568	-0.05723	0.080067	-0.098393	0.004411	0.029658	0.070323	0.022905	0.00794	-0.08768	0.005872	0.006477	0.026715	-0.032973
253	-0.003539	-0.006246	0.037731	-0.075718	-0.045353	0.018401	-0.006327	-0.09632	-0.039717	-0.105256	-0.056368	-0.091788	0.015052	-0.0006
254	0.009236	0.002025	-0.008082	0.024423	0.052395	0.072088	0.0188	-0.029548	-0.025085	-0.033655	0.02376	-0.005313	0.015275	-0.017286
255	-0.020461	0.047695	0.00714	-0.030521	0.047962	0.061599	0.054686	-0.04248	-0.003809	-0.098296	0.022863	0.068747	0.003758	0.081246
256	-0.033975	0.022626	0.046399	-0.058831	0.160725	0.087156	0.064261	-0.083941	0.013707	-0.022716	-0.036552	0.076873	0.00717	0.10515
257	-0.010075	-0.034507	0.03178	-0.041805	0.003895	0.011882	0.013567	0.022745	-0.009183	0.041151	-0.042058	-0.018447	-0.030998	0.023485
258	0.02565	-0.035253	-0.002095	-0.068231	0.074705	0.107128	0.004008	-0.017324	-0.018479	0.029929	-0.093634	-0.102378	-0.011574	-0.00739
259	0.00038	-0.062654	0.004684	0.017736	-0.043271	0.058542	0.044931	0.056152	0.009042	-0.00285	0.017819	-0.050718	0.046957	-0.051954
260	-0.020011	-0.108333	-0.014223	-0.050132	-0.024409	0.072855	0.100052	0.096058	-0.007209	-0.015356	0.029014	0.000499	0.019287	-0.117226
261	-0.02459	-0.111663	0.02413	-0.07867	-0.016794	0.089632	0.103328	0.066177	0.016913	-0.006146	0.0002	0.018707	-0.025739	-0.015922
262	-0.024409	-0.04723	-0.007332	-0.075262	0.002986	0.016149	0.057673	-0.037358	-0.025954	-0.011133	-0.023573	0.016963	0.025491	-0.026814
263	-0.04804	-0.049852	0.000412	-0.050011	-0.001239	-0.007792	0.024323	-0.062595	-0.026707	-0.042264	-0.011159	-0.004746	0.054566	-0.008197
264	0.000966	-0.045661	-0.061164	0.067149	0.014998	0.090298	0.041952	-0.001703	-0.017372	0.023348	0.031386	-0.078579	0.087699	-0.032725
265	-0.012239	-0.071635	-0.049533	0.002045	0.098463	0.182008	0.068738	0.006178	-0.02951	0.069668	0.025293	-0.035224	0.037754	-0.099925
266	-0.011088	-0.063392	0.014834	-0.058418	0.139157	0.145291	0.077519	0.001632	-0.020056	0.033052	-0.013764	0.045718	-0.012845	-0.039669
267	-0.01344	-0.002544	0.023158	-0.036667	-0.080948	0.057879	-0.07075	-0.082956	-0.070458	-0.041412	0.052648	0.032243	0.015747	0.022897
268	-0.012825	-0.020622	0.033768	-0.010537	-0.043166	0.026715	-0.026371	0.003368	-0.02733	0.018422	0.063155	-0.011288	-0.007756	0.036245
269	-0.014168	-0.021178	0.039093	-0.023451	-0.044755	0.025697	-0.033124	0.035833	-0.009689	0.0108	0.030641	-0.033552	-0.000266	0.049905
270	0.003416	-0.01222	0.032033	-0.01319	-0.042588	0.015465	-0.021429	0.029896	-0.039226	0.019945	0.081838	-0.080488	0.016093	0.063596
271	0.027524	0.027762	0.009791	-0.109615	-0.046302	-0.059248	-0.07798	-0.061217	-0.046496	-0.153344	-0.028026	0.089866	0.03632	-0.05191
272	-0.027603	-0.004101	-0.009053	-0.06973	-0.076048	0.007224	-0.067552	-0.017552	-0.105264	-0.083501	-0.009783	0.099922	0.028449	-0.008964
273	-0.030636	-0.017849	-0.002574	-0.035207	-0.028263	-0.038107	-0.027562	0.026532	-0.054662	-0.016252	-0.000817	0.014494	0.053795	0.03299
274	-0.032111	-0.012765	0.003809	-0.039078	-0.029093	-0.040882	-0.026308	0.034778	-0.048504	-0.017562	-0.010177	0.004014	0.059484	0.03835
275	0.019755	-0.063624	-0.005222	0.05704	-0.000931	-0.054073	-0.077224	-0.000298	-0.045324	-0.031658	0.047918	-0.099987	0.108496	0.09711
276	0.033222	-0.001552	-0.012594	-0.068703	-0.003277	-0.023435	-0.02784	-0.065321	-0.042459	-0.112393	-0.077704	0.091353	0.019062	-0.024387
277	0.004621	0.051157	-0.108993	-0.021679	-0.002839	-0.131038	-0.028062	-0.064794	0.002215	0.087577	0.087927	-0.020996	-0.021578	-0.13535
278	0.014078	0.092697	-0.088058	-0.011821	-0.01697	-0.112578	-0.035864	-0.07047	-0.013219	0.086798	0.070972	-0.006175	0.014304	-0.145116
279	-0.021465	-0.091625	0.011563	0.115937	-0.040849	-0.008737	-0.048273	-0.004186	-0.022937	0.004776	0.031379	0.045355	-0.058534	-0.080035
280	-0.013712	0.028506	0.06612	-0.042825	-0.007661	-0.015613	-0.048157	-0.118103	-0.055057	-0.141893	0.012167	-0.11208	0.030488	-0.044013
281	0.060095	0.088464	-0.026509	0.017656	0.056333	-0.033369	0.051383	-0.024031	0.05476	0.045435	0.023961	-0.002621	0.029416	0.090502
282	0.032114	0.069893	-0.022506	0.00559	0.07752	0.009694	0.00954	-0.036261	0.031633	0.032174	0.013127	0.00572	0.041504	0.083024
283	0.03562	-0.056013	0.045943	0.03755	0.052457	0.059742	0.013644	0.02998	0.020351	-0.034653	-0.05018	0.030478	0.01405	0.080542
284	-0.004292	-0.021428	0.015432	-0.034176	0.001944	0.002173	0.007833	0.014052	-0.009793	0.019319	-0.004397	-0.01398	-0.013297	0.034403
285	-0.009526	-0.005994	0.015862	-0.032241	-0.007036	0.000289	0.001042	0.004822	-0.018765	0.026824	-0.007421	-0.034396	-0.026922	0.030518
286	0.023847	0.00144	0.005363	-0.042629	0.061084	0.076707	-0.022229	-0.035625	-0.037359	0.046665	-0.042369	-0.140556	-0.036711	0.001864
287	0.023488	0.006905	0.019534	-0.041552	0.072752	0.12339	-0.055193	-0.030571	-0.044446	0.02784	-0.059627	-0.135754	-0.033352	-0.002639

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
288	0.026758	-0.087439	-0.030416	-0.125552	0.107989	0.061748	-0.059004	0.003049	0.03519	0.021537	-0.112465	-0.118026	0.041374	0.019994
289	-0.029145	-0.053816	-0.020877	-0.121173	0.064529	0.045316	0.030409	-0.00732	-0.015003	-0.010335	-0.014371	0.027667	0.038912	-0.010902
290	-0.017516	-0.083521	-0.041502	-0.156494	0.032376	-0.080471	-0.059291	0.053098	0.143632	0.061677	-0.068854	-0.046877	-0.005441	0.07208
291	-0.015104	-0.090631	-0.046431	-0.157757	0.03749	-0.081946	-0.059535	0.054155	0.139033	0.065236	-0.059454	-0.041767	-0.006016	0.073418
292	-0.019216	-0.103489	-0.017433	-0.128626	0.015735	-0.08144	-0.069395	0.045246	0.145385	0.049878	-0.061194	-0.043085	-0.033536	0.079154
293	-0.016959	-0.011179	0.007623	0.017109	-0.02508	-0.059361	-0.052681	-0.014656	0.031565	0.057314	-0.051293	0.070547	0.001361	0.050018
294	-0.014869	0.010966	0.004345	0.018095	0.031339	-0.045389	-0.040438	0.03228	0.008765	0.022396	0.031754	0.005856	0.009659	0.009221
295	-0.018818	-0.003287	-0.008481	0.013257	-0.010411	-0.091937	0.000855	0.017975	0.003882	0.028164	-0.045477	0.080281	0.042143	0.051101
296	-0.07221	-0.013119	0.01545	0.004641	0.026151	-0.023491	-0.004698	0.007304	0.005411	0.033484	0.012969	0.004314	0.082677	0.10207
297	-0.058008	-0.003587	0.011009	0.026553	-0.000061	-0.070892	-0.002989	0.003891	0.009816	0.026592	-0.044375	0.100755	0.018578	0.045233
298	0.01442	0.075787	0.05211	0.010069	0.105166	-0.101984	-0.015936	0.046264	0.073172	-0.01807	-0.045679	0.036089	-0.048879	-0.052981
299	-0.07271	0.043518	0.007166	0.029805	0.002924	-0.020507	-0.004906	-0.023871	0.034383	0.043183	-0.039334	0.043725	-0.007584	0.02036
300	-0.050088	0.060523	0.066175	0.063624	0.07765	-0.064051	-0.038052	0.030936	-0.038272	-0.065184	0.006532	-0.029532	-0.103579	-0.032021
301	-0.011937	0.016112	-0.003793	0.029951	-0.00156	-0.052601	0.003049	-0.001831	0.036419	0.032948	-0.025472	0.061308	0.005831	0.009828
302	-0.074726	0.022958	0.010756	0.023892	0.021527	-0.012144	-0.014394	-0.003286	0.022199	0.035773	0.016924	-0.011946	0.003216	0.005549
303	-0.02407	0.075413	0.022455	0.017504	0.078559	0.044759	-0.00735	-0.043351	-0.00185	0.03474	-0.002032	-0.027332	-0.052872	-0.064171
304	-0.070524	0.044621	0.017822	0.013803	0.065636	0.066225	-0.038669	-0.026547	0.013604	0.028867	0.030877	-0.060183	-0.040447	-0.017824
305	0.005505	0.033415	0.005995	-0.009021	0.041945	-0.08436	-0.005206	-0.012588	-0.029172	0.025624	0.071744	-0.006425	0.035364	0.080716
306	-0.117371	0.012422	0.014136	-0.022807	-0.066647	0.000265	-0.038946	0.014447	0.073382	0.038489	-0.046105	-0.004242	0.015092	0.075275
307	0.00576	0.058978	-0.068144	-0.057967	-0.042424	-0.082414	-0.022375	-0.022323	0.133158	-0.041612	-0.019554	-0.128513	0.013658	0.008385
308	-0.182681	-0.026421	0.011638	-0.031628	-0.027433	0.019169	-0.043794	-0.003104	0.009393	0.003655	0.008288	-0.003746	-0.008326	0.033295
309	-0.077254	-0.02602	0.0291	0.035998	0.021149	0.0058	-0.012657	0.008912	0.014397	0.012951	0.032138	0.001594	0.011456	-0.005889
310	-0.137878	-0.019056	0.025841	0.002932	0.007882	0.015371	-0.022173	0.021054	0.017166	0.044507	0.071778	-0.024131	-0.01253	0.074243
311	0.045709	0.003821	0.026048	0.026845	0.041291	-0.041287	0.008479	0.032197	0.019369	0.002834	0.042856	0.023812	0.021626	-0.036031
312	0.088749	0.048434	0.016814	0.057464	0.008945	0.025953	0.033386	0.069916	-0.021669	-0.005311	0.027634	0.015356	0.102885	-0.001363
313	0.018985	-0.000199	0.023048	0.063029	0.076663	0.015937	0.011256	0.019033	-0.000262	-0.002575	0.028936	0.018792	0.022047	-0.018162
314	0.152431	0.05751	0.015736	0.092024	0.08072	-0.006333	0.042646	-0.022855	-0.002197	0.022945	0.074758	-0.007541	0.061426	-0.060042
315	-0.005166	-0.002209	0.029911	0.034921	0.073988	0.017928	0.001366	-0.009464	0.024819	0.006698	0.000025	-0.006036	-0.006917	-0.037588
316	0.085435	-0.032058	-0.045055	0.039854	0.030596	-0.076218	0.028274	-0.106076	0.032743	0.074626	0.098585	0.001481	0.117875	-0.015222
317	-0.003783	-0.036653	0.016803	0.047153	0.060707	-0.031917	0.013705	0.016426	0.015991	0.017349	0.016755	0.037488	-0.008946	-0.036976
318	-0.040634	0.008579	0.03084	0.027443	0.047285	-0.026446	0.002321	0.053705	0.025527	0.012774	0.003634	-0.014363	-0.014322	-0.053445
319	-0.011073	-0.032616	0.010775	0.048834	0.082954	0.02881	-0.00371	-0.022797	0.009055	0.018272	0.022423	-0.006012	-0.022156	-0.027706
320	-0.052441	-0.045936	0.016469	0.031122	0.045496	0.02062	-0.013661	-0.010489	0.065574	0.031459	0.02225	-0.000853	-0.035735	0.012486
321	-0.060143	0.059191	-0.011144	-0.031493	-0.020919	-0.063813	0.049639	0.000013	0.068945	0.035665	-0.033196	0.00033	0.038482	0.011823
322	0.088867	-0.018799	-0.059946	0.057336	0.029829	-0.058512	0.057484	0.097204	-0.003332	-0.051885	0.066438	0.064333	0.118385	-0.042835
323	0.029373	0.052293	0.000136	-0.010576	-0.03333	-0.070156	0.098909	0.02434	0.097037	-0.02627	0.041005	-0.03694	0.092594	0.024851
324	-0.00059	-0.045126	-0.007294	0.042134	-0.038593	-0.005742	0.019925	-0.021212	0.048761	0.047827	0.052671	0.005753	0.039767	0.065367
325	0.003102	-0.021388	0.048469	0.038516	0.066471	0.02852	-0.008249	0.032031	-0.008356	0.006177	-0.01295	-0.009384	0.001859	-0.040741
326	0.124182	0.035213	0.052912	0.055353	0.073612	-0.005358	0.078983	0.023762	-0.024711	0.007805	-0.064147	-0.047693	0.024935	-0.029718
327	-0.073761	-0.005984	0.019609	0.000186	0.017251	-0.017075	-0.000385	-0.010502	0.035965	-0.005261	0.021609	-0.003724	0.017856	0.004613
328	0.019819	0.127321	0.003046	-0.003881	0.064742	-0.106261	0.023448	0.044694	0.074332	-0.037705	-0.033298	-0.030344	0.069388	0.101539

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
329	0.010514	0.002952	-0.000243	0.022482	0.05617	-0.038189	0.069485	-0.001274	0.005126	-0.018227	0.050863	0.003566	0.045775	-0.010175
330	0.055209	0.044333	-0.052058	0.080839	0.076128	-0.047153	0.070541	0.09904	-0.031328	0.004935	-0.021877	-0.012485	-0.090001	0.078272
331	0.020869	-0.012114	0.034647	0.016025	0.072146	-0.003274	0.008924	0.0004	0.019068	0.001598	-0.011523	-0.014664	-0.000597	-0.039909
332	0.050071	0.021349	0.008978	0.144234	0.149618	-0.077474	0.067564	0.069998	0.010363	-0.01989	0.010522	0.02545	-0.060995	0.063502
333	0.046458	-0.03105	0.041915	0.030987	0.065442	-0.017121	0.005839	0.054341	0.018974	0.000295	-0.012119	0.004333	-0.008659	-0.063139
334	0.053487	-0.021254	0.043214	0.01648	0.080017	0.034799	-0.023672	0.018806	0.067675	-0.019548	0.029691	0.033696	-0.042626	-0.063086
335	-0.040802	-0.024497	0.035247	0.006714	0.048137	0.008513	0.011497	0.003991	0.00645	0.000337	0.004382	-0.028444	-0.011499	-0.025147
336	0.096649	0.072011	0.032818	0.045005	0.012971	-0.046567	-0.01672	0.088514	0.034177	0.033123	-0.053815	0.013035	0.01523	-0.059094
337	0.037786	0.015788	-0.059211	-0.021011	-0.045612	-0.055011	0.03385	-0.023309	0.114057	0.075132	-0.018118	-0.003748	0.018427	0.055249
338	0.01169	0.064932	0.012503	-0.028703	-0.042812	0.009462	-0.054615	0.116068	0.056607	0.017289	-0.007369	0.188591	0.134441	0.059202
339	0.038366	0.051998	-0.023297	-0.011595	-0.02229	-0.041304	0.03359	-0.005545	0.062025	0.019793	0.05968	-0.031654	0.083735	0.008747
340	-0.07094	0.033965	-0.009831	0.070704	-0.006766	-0.023978	0.093913	0.050573	-0.006227	0.15477	-0.071676	-0.043815	-0.094374	0.024154

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
1	-0.072963	0.009427	-0.002843	-0.001952	-0.018722	0.038465	0.025806	-0.027368	-0.05619	0.011471	-0.03704	-0.034119	-0.011322	0.032879
2	0.007843	0.004203	0.005459	0.023855	0.013064	-0.013457	0.013177	-0.06387	0.01105	-0.065348	-0.031394	-0.034293	0.037969	0.021828
3	0.037949	0.037198	0.048035	0.011304	-0.051909	-0.008632	0.03706	-0.017395	-0.020441	-0.009068	0.000179	-0.058803	-0.027917	0.028628
4	-0.068871	0.036043	-0.049544	-0.095754	0.056213	-0.027428	-0.050827	-0.060291	-0.018623	0.079478	-0.069757	0.009416	0.032442	0.004338
5	-0.001798	-0.057229	0.112796	-0.046955	0.035214	-0.08452	-0.054203	0.010461	-0.004225	0.024779	-0.130544	-0.046473	0.015461	-0.073564
6	0.049548	0.019096	0.067812	0.01891	-0.053905	-0.008583	-0.028747	-0.092402	-0.099712	0.031847	0.025362	0.082518	0.040654	-0.04865
7	0.112424	-0.01425	0.00073	0.029542	-0.014401	-0.011248	-0.055163	-0.143054	-0.034281	0.050381	0.01573	0.053557	0.022241	-0.036464
8	-0.012826	-0.080014	-0.043719	-0.050185	0.024027	-0.047247	0.066582	-0.147292	0.013854	0.092076	0.176532	0.033757	0.107113	0.2034
9	-0.058345	-0.014285	-0.021761	-0.111755	0.000894	-0.027828	-0.04926	-0.004609	0.011508	0.077078	-0.134276	0.030131	0.03758	0.078794
10	0.026565	-0.009426	-0.034026	0.043829	-0.120408	-0.024978	0.016741	-0.08196	0.037731	-0.041577	-0.019126	-0.026364	0.011599	0.049596
11	0.034635	0.016977	-0.01687	-0.108073	-0.025523	0.070689	-0.036855	-0.03331	-0.109252	-0.172372	-0.088122	0.082254	0.04155	0.032732
12	0.128114	-0.03095	0.041116	0.048834	0.172096	0.049372	-0.090147	0.086677	0.107614	0.050619	0.038229	-0.131849	0.064793	0.010632
13	0.021516	-0.049407	-0.037359	0.005339	-0.026263	0.01865	-0.007556	0.002316	0.005196	-0.068359	0.067168	0.000518	0.004979	-0.011979
14	-0.005665	-0.038248	-0.066283	0.058739	0.004066	0.001002	-0.028518	-0.02014	0.03955	-0.080797	0.077675	-0.006742	0.008872	-0.046252
15	-0.070054	-0.039155	0.020356	0.027959	-0.02727	0.017439	0.055371	-0.02115	-0.02942	0.00038	-0.059825	-0.031155	-0.023822	-0.032645
16	-0.034342	0.041499	-0.11914	-0.057882	0.045398	0.128902	-0.098334	0.064693	0.086828	-0.070841	0.094809	-0.036231	-0.114231	-0.16629
17	0.007908	0.013635	0.107649	-0.030952	0.059899	0.008589	0.070496	-0.014582	0.022698	-0.014626	-0.044197	0.009366	0.083066	0.00023
18	0.000029	0.053005	-0.082178	0.02118	0.069531	-0.021066	-0.023528	0.190063	0.031549	-0.00439	0.050892	-0.020281	0.005912	-0.062362
19	0.016526	0.041213	0.001937	0.003428	-0.078225	-0.014022	0.060489	-0.061533	-0.05429	-0.055782	-0.035171	-0.04536	-0.112872	0.068912
20	-0.036506	0.01586	0.027726	-0.003625	-0.035382	-0.012187	-0.012106	-0.028624	-0.035545	-0.013797	0.006427	-0.000103	0.007429	0.015949
21	0.087053	0.000067	0.008488	0.02041	-0.02999	-0.072474	0.048525	-0.147016	-0.021629	-0.07945	0.006441	-0.10435	-0.001437	0.018846
22	0.010628	-0.01233	0.00791	-0.056992	0.02724	0.005914	0.118334	0.00343	-0.056245	0.005059	-0.055577	0.04247	-0.049701	-0.042391
23	0.04601	0.03328	-0.013927	0.124618	0.006353	-0.030917	-0.006512	-0.016582	-0.106143	-0.024088	0.015719	0.023442	-0.149333	-0.105733
24	-0.022423	-0.01551	-0.038235	-0.094632	0.021663	-0.080294	0.00815	-0.077756	0.005877	-0.028068	-0.094741	-0.028944	-0.033555	-0.008152
25	-0.014995	0.016448	-0.034971	-0.016079	-0.136546	-0.114899	-0.090649	0.034786	-0.029761	-0.0487	-0.048405	-0.064222	0.010281	-0.083528
26	-0.020714	0.016715	0.025372	-0.007609	-0.025571	0.004166	-0.010866	-0.011728	-0.019482	-0.00576	-0.014176	0.004588	-0.008431	0.008758
27	-0.029886	0.016185	0.033899	-0.004645	-0.026123	0.000868	-0.018163	-0.000809	0.012978	-0.001462	-0.003608	0.011725	0.018409	0.002437
28	-0.047623	0.015146	-0.037259	-0.075912	0.028348	0.004649	0.000781	-0.044004	-0.034003	0.082032	-0.046039	0.003709	0.062698	-0.046653
29	-0.010768	0.026905	0.035038	-0.063126	0.05958	-0.00742	-0.029116	0.0154	-0.029487	-0.017007	-0.073649	-0.057171	0.079325	-0.117899
30	0.012125	0.046093	-0.056744	-0.036936	-0.055195	-0.018074	0.021651	-0.019255	0.020151	0.052052	0.045753	0.038609	-0.009954	-0.055132
31	-0.005386	-0.043288	0.009135	-0.009205	0.044654	-0.001158	0.025739	0.068959	-0.018612	-0.034604	0.016108	-0.0375	0.014087	-0.022669
32	-0.022862	0.039005	0.001686	0.143383	0.027216	-0.129495	-0.034666	0.036425	0.022715	-0.054111	0.045234	-0.034343	-0.124828	-0.048848
33	0.022601	-0.016382	-0.015273	-0.043072	-0.087948	0.034892	-0.07256	0.009625	-0.125569	-0.16933	-0.049013	0.023681	0.038121	0.043958
34	-0.006933	0.027414	-0.093531	0.036321	-0.004089	-0.042595	-0.000288	0.005633	0.034804	-0.037575	-0.036782	-0.003133	0.008046	-0.052967
35	0.067941	-0.014603	-0.060908	-0.041335	-0.044185	0.002031	-0.045506	0.059126	0.058426	0.016403	-0.014523	-0.073882	-0.003979	0.051559
36	-0.069507	0.031765	0.037707	0.082109	-0.007983	-0.05639	0.019025	-0.021537	0.029872	-0.032498	0.012399	0.02944	0.058425	-0.090525
37	-0.035407	-0.013519	0.019409	-0.068059	0.024194	-0.007906	0.032123	-0.060613	-0.016805	-0.02592	0.041495	-0.004839	0.031157	-0.067781
38	-0.079658	0.045914	0.039912	0.030261	-0.113894	-0.09492	-0.054237	-0.050562	0.105199	-0.136156	0.047534	-0.020178	0.008829	0.127633
39	0.018071	-0.027472	0.042684	0.007162	-0.0255	-0.017149	-0.082371	-0.055067	0.090897	-0.027183	0.016659	0.046329	-0.018521	0.014573
40	-0.025235	0.025937	-0.009847	0.073334	0.026501	0.013772	0.009679	0.051455	0.011456	-0.055442	-0.020917	-0.032913	0.020901	0.015565
41	0.042113	0.041417	0.010603	0.040806	0.009618	-0.020411	-0.006553	0.029955	0.041395	-0.054422	0.022263	-0.013362	0.003823	0.027225

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
42	0.012159	0.020518	0.035392	-0.005773	0.002686	-0.044889	-0.061744	-0.000909	0.018532	-0.01255	0.001688	0.055302	-0.050748	0.005338
43	0.020104	0.023499	-0.005676	0.070511	0.02362	-0.008398	0.00477	0.070317	0.023048	-0.032804	-0.005803	-0.021631	0.023734	-0.001159
44	-0.012714	-0.004593	0.017806	0.004656	0.052016	-0.015515	-0.011488	0.006869	-0.025584	-0.033272	-0.024052	-0.089035	-0.029499	-0.024081
45	0.029333	0.002654	-0.03333	0.062788	0.010262	-0.026068	-0.029299	0.106884	0.020474	-0.049431	0.004148	-0.037232	0.015848	-0.046808
46	-0.001124	-0.026861	-0.037159	-0.092618	0.050257	0.029354	0.102361	-0.007321	0.078703	0.042362	-0.037829	0.037335	-0.008487	-0.087585
47	0.060075	-0.055047	0.056481	0.03006	-0.004523	0.006227	-0.048248	-0.027941	-0.013015	0.042233	0.024567	-0.017021	-0.012991	-0.067758
48	0.002169	0.002019	0.049005	-0.034544	-0.047612	-0.040849	-0.10984	-0.057326	0.059463	-0.034951	0.008221	0.034264	-0.008555	0.046588
49	0.02475	0.060504	-0.047176	-0.032671	-0.055325	-0.019182	0.04169	-0.015265	0.030198	0.07861	0.049634	0.047531	-0.024016	-0.032582
50	-0.002147	-0.004855	-0.033518	-0.01615	-0.061369	0.003227	0.0432	-0.041786	-0.071055	0.066554	-0.003505	0.000595	0.010837	-0.052351
51	0.05159	-0.005232	-0.008163	0.026312	-0.077909	-0.039999	-0.026239	0.031782	0.001498	0.021801	0.009671	0.02209	0.037573	-0.044952
52	-0.005221	-0.014843	-0.070696	-0.082514	-0.011727	0.019144	0.116029	-0.055133	-0.014629	-0.020595	0.045023	0.057954	0.009873	-0.053124
53	0.066912	0.014076	-0.053994	0.022754	-0.021286	-0.025033	0.031633	-0.026145	0.003731	0.037458	-0.020793	-0.022421	-0.037416	-0.004322
54	-0.035528	0.054021	-0.009584	-0.064695	-0.074049	-0.101952	-0.024931	-0.028915	0.006133	0.043749	0.087691	0.038252	-0.084596	0.042701
55	-0.00645	-0.022131	-0.100003	-0.012988	-0.002819	0.021469	0.034346	-0.059606	0.000314	-0.000784	-0.008622	0.016736	0.012105	-0.024495
56	0.02275	0.05019	-0.027354	0.005631	-0.064093	-0.002482	0.052761	0.010938	0.023853	0.096941	0.068887	0.023556	-0.032636	-0.012027
57	0.023049	-0.001931	0.008237	-0.033151	0.02779	0.04534	-0.054175	-0.039774	-0.066697	-0.073468	-0.023746	-0.014747	0.026045	0.022406
58	-0.008504	-0.034805	0.003863	-0.024134	-0.005564	-0.033506	0.013543	0.04941	0.024267	-0.011828	0.010023	0.007301	0.024449	-0.067481
59	-0.053139	0.07029	0.02578	-0.066261	0.005832	-0.027971	-0.08386	-0.104135	-0.093008	-0.034447	-0.020312	-0.091027	-0.076226	0.032225
60	-0.095007	-0.070639	0.016612	-0.000426	-0.000201	-0.00637	-0.005342	-0.0201	0.047336	-0.056225	0.02081	0.029524	0.007044	-0.045136
61	-0.096421	-0.02459	0.065544	-0.061287	-0.005521	-0.010614	0.051549	0.039219	0.052168	0.027712	0.055095	0.025729	0.007424	0.046223
62	-0.02401	-0.038727	0.06328	0.015156	-0.035002	-0.072542	-0.0321	-0.000038	0.040463	0.0027	0.039553	-0.033404	-0.080987	-0.048174
63	-0.035552	0.040278	0.03251	-0.099719	-0.025845	-0.026872	0.031384	0.04907	0.047359	0.059975	0.047851	0.04022	-0.0673	0.050935
64	0.023552	0.02943	-0.021564	-0.02548	-0.03071	-0.032979	0.012947	0.016749	0.033167	0.071078	0.057364	0.044933	-0.004928	-0.030955
65	-0.019467	-0.035855	-0.000977	-0.012706	0.055555	0.02082	-0.088914	-0.009624	-0.040928	-0.074869	-0.002068	0.037747	0.044362	0.023559
66	-0.019944	-0.004001	0.040295	-0.040621	0.041877	0.025181	-0.013934	-0.068385	-0.072911	-0.068166	0.023046	-0.043227	-0.051503	-0.001947
67	-0.068283	-0.101118	-0.006137	0.082195	0.029108	0.032625	0.093487	0.04292	0.011705	-0.004979	-0.028698	-0.041122	0.035142	-0.069029
68	-0.012368	-0.17421	0.026543	0.007166	0.023034	0.111919	0.187727	-0.058224	-0.204537	0.018356	0.058733	0.0493	-0.007586	0.04048
69	-0.021249	-0.04438	-0.0303	0.015386	-0.01709	0.048152	0.084033	-0.026944	0.122264	0.090663	0.00929	0.048914	0.001094	0.023131
70	0.039382	-0.00221	-0.085916	0.052774	-0.061314	0.061484	-0.022731	-0.015868	0.00014	0.060169	-0.042868	0.050599	-0.041488	0.02678
71	0.073267	-0.05099	-0.027184	-0.035772	0.031644	-0.024638	0.037524	0.017788	0.066336	-0.055474	0.104866	-0.030441	0.088054	-0.022843
72	0.054732	-0.06124	-0.02095	-0.042786	0.067904	-0.032881	0.12543	0.050247	0.041438	0.001686	0.048894	-0.012568	-0.001675	0.032968
73	0.111741	-0.06106	-0.01332	-0.047503	0.06447	0.029391	0.082944	-0.066316	0.006871	-0.043321	0.105779	0.004003	0.019656	0.00082
74	-0.051208	0.014344	-0.040617	-0.144935	-0.042672	0.067218	-0.056843	0.144685	-0.150668	-0.014754	0.074701	-0.089992	-0.027789	-0.045694
75	0.000257	-0.037596	-0.075418	0.022912	0.004425	0.026632	-0.038998	-0.006216	0.014341	-0.022069	0.030647	0.013159	0.01535	-0.03367
76	0.029838	-0.024834	-0.048039	0.026954	0.046558	0.050865	-0.085515	0.093481	-0.005957	0.03513	-0.010333	-0.0466	0.074164	-0.011149
77	0.003597	-0.016898	-0.074097	0.015524	-0.009938	0.025688	-0.042473	-0.01583	0.030503	-0.003742	0.00753	0.018677	0.024961	-0.023136
78	0.005588	-0.021759	-0.078027	0.012358	-0.007319	0.013965	-0.032741	-0.013653	0.016574	-0.012006	0.002703	0.024159	0.026877	-0.040669
79	-0.038697	-0.039344	-0.08387	0.019955	0.005366	0.025441	-0.03457	-0.028875	-0.00475	-0.013235	0.015197	0.001155	-0.009199	-0.022825
80	0.050534	0.042094	0.080749	0.040024	-0.15546	-0.004116	-0.080715	0.084658	-0.047869	-0.058479	-0.023478	0.088602	-0.096391	0.007972
81	0.016094	-0.03804	-0.080249	-0.059829	0.013579	0.039635	-0.009392	0.02715	-0.046872	0.014341	-0.078039	0.063731	0.006167	-0.024259
82	-0.031301	0.026925	0.010524	0.046778	0.003341	0.035007	-0.073616	-0.01875	0.006099	0.023097	-0.058096	0.072164	-0.017183	0.006578

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
83	-0.024159	0.022109	0.033504	0.007704	-0.015359	0.011886	-0.029508	0.016857	0.019869	0.005774	-0.006589	0.021388	0.025018	0.006628
84	-0.032607	0.009673	0.043616	0.001361	-0.021286	-0.002317	-0.056736	0.021976	0.049282	0.020211	0.001569	-0.002102	0.007983	0.059402
85	-0.051686	-0.087132	0.029781	0.000834	0.045266	0.065798	0.038753	0.114529	0.059719	0.04909	0.012937	-0.003535	-0.001023	0.074676
86	0.043269	-0.040428	-0.001323	0.036688	0.020095	0.036806	0.078475	0.029475	0.083294	-0.070728	0.031247	-0.040489	-0.002467	0.029127
87	-0.005728	-0.012531	-0.039698	0.021611	0.008185	0.026835	0.016435	0.056222	0.036789	0.004073	0.132951	-0.067617	0.127894	0.010791
88	-0.004173	0.016345	0.031926	0.008865	0.00147	0.002769	-0.061648	-0.000063	0.001102	0.010038	-0.011425	0.030418	0.023657	0.007214
89	-0.026793	0.012671	0.03966	0.005294	-0.025522	0.010043	-0.036527	0.004873	0.004129	0.016919	-0.009619	0.010267	0.041251	0.020681
90	-0.054848	0.014918	0.051141	0.002576	-0.033035	-0.013091	-0.007234	-0.000648	0.004189	0.049	0.032002	-0.025452	0.065535	0.013892
91	-0.044995	0.039648	0.011296	0.037757	-0.030444	0.03039	-0.017626	0.011296	0.022369	0.002091	-0.054883	0.052009	-0.065641	0.053701
92	-0.004311	-0.04034	-0.094008	0.051567	0.050595	-0.021868	0.097788	0.039993	-0.114236	0.051534	-0.098972	-0.057957	-0.087299	0.03218
93	-0.037337	-0.051664	0.035695	0.005776	-0.019554	0.042111	0.062854	0.093005	-0.016845	0.007322	0.003408	0.029353	-0.007104	-0.014744
94	0.018501	-0.035098	0.000852	-0.029841	0.006359	0.044374	-0.024569	-0.023785	-0.024921	0.049681	-0.020594	0.0638	-0.088164	-0.029259
95	-0.014898	-0.058514	-0.012388	-0.032124	-0.082176	0.091297	-0.005039	-0.053552	0.092774	-0.034227	-0.004946	-0.055666	-0.037019	-0.052023
96	-0.090372	-0.032459	0.161691	0.053125	-0.143642	0.064524	0.040784	-0.099271	-0.044866	0.047051	0.042079	0.00939	0.102707	-0.010029
97	-0.02166	-0.031025	0.049291	0.041509	-0.057624	-0.05433	-0.045827	-0.030429	-0.013644	0.070282	0.031971	0.002481	0.040707	-0.049219
98	0.007236	-0.000108	0.004707	0.005152	0.029478	-0.027737	-0.045071	-0.021447	0.004328	-0.006138	0.008067	-0.040504	-0.026288	-0.025789
99	-0.061252	0.010127	0.028634	-0.000869	0.008721	0.017152	0.031404	-0.041942	-0.017724	0.042296	0.027534	-0.049398	0.009383	0.001067
100	-0.035137	0.041756	0.011261	-0.072413	-0.041946	-0.005791	0.002484	-0.021627	0.03425	-0.007966	0.041146	-0.00158	-0.043136	-0.028139
101	0.03525	-0.020561	0.022881	-0.017784	-0.015416	-0.036571	-0.048444	0.011161	-0.023021	0.002838	0.029305	-0.039617	-0.034852	-0.004338
102	0.000318	0.084539	-0.050628	-0.001089	-0.060258	0.038254	0.035012	-0.008436	0.076317	0.048742	0.003231	0.078226	0.04341	0.081562
103	0.013603	0.019897	-0.072733	-0.006046	-0.05785	0.116873	-0.035936	-0.120082	0.146598	0.103184	0.0636	0.017516	0.054606	-0.062975
104	-0.038524	0.052662	0.003876	0.002382	-0.032845	0.122205	-0.018817	-0.040964	0.100096	-0.028939	0.062898	-0.052867	-0.031274	-0.12872
105	0.146577	0.042559	0.107535	-0.005903	0.078305	-0.017483	-0.076587	0.027917	0.054413	-0.095296	0.116958	0.01661	0.286353	-0.046683
106	0.004963	0.026756	-0.086186	0.032001	0.030622	0.033007	-0.031978	-0.058065	0.033885	0.023085	-0.088238	0.041651	-0.051165	-0.041184
107	-0.03436	0.022908	-0.029889	-0.078493	0.026506	0.002034	-0.033908	-0.020203	-0.016784	0.016882	0.032273	0.020807	-0.034104	-0.044772
108	-0.021808	0.030772	0.051105	0.002266	-0.01574	0.092603	-0.069272	0.089637	-0.152103	0.036047	0.030692	-0.0191	-0.06922	-0.04765
109	-0.115257	0.05313	0.092823	-0.037386	-0.121592	0.103824	0.080546	0.040963	0.018116	0.077758	0.057026	0.017297	-0.183133	0.041988
110	0.00383	0.077302	0.057951	-0.047464	-0.077231	-0.071696	0.068122	0.040797	0.117362	0.019307	-0.151141	0.022287	-0.051899	0.01962
111	0.027818	0.012344	-0.00906	-0.109136	0.032125	0.031399	0.001678	0.047181	-0.106923	-0.06688	-0.017657	-0.051285	-0.003269	0.040791
112	-0.046926	0.128161	0.040369	0.047496	0.043281	0.048079	-0.01004	0.071069	0.082234	0.081358	0.032871	-0.033661	0.059098	-0.049148
113	-0.034148	0.060076	0.041022	0.051586	-0.110855	0.043761	0.053864	0.029274	-0.126587	0.103497	0.036863	-0.051689	-0.020981	0.012882
114	0.140749	0.065297	0.071152	0.038154	-0.030796	-0.023693	-0.031034	0.042479	0.040606	0.062251	-0.017894	-0.122765	0.020834	-0.010179
115	0.016343	0.020849	0.004183	-0.052813	0.118289	0.05356	0.007033	0.086549	0.080016	0.024812	-0.008144	-0.04037	-0.193924	-0.039163
116	0.057127	-0.001862	0.002113	-0.025401	0.119634	-0.08459	-0.024367	0.108163	-0.065599	0.060546	0.196523	0.032068	-0.034836	0.024245
117	0.005631	0.045669	-0.02849	-0.029521	0.009851	0.051334	-0.023296	0.026834	0.005469	-0.024765	0.032885	-0.007251	-0.008302	0.072522
118	-0.004699	-0.058137	-0.01667	0.088052	0.04909	-0.021765	0.057282	-0.027651	-0.037716	-0.00485	-0.091018	-0.142591	-0.026849	0.007613
119	-0.044455	-0.032118	0.046392	-0.088053	-0.070753	0.076586	0.080592	0.029117	0.079847	0.084773	-0.042622	-0.003548	-0.054071	0.050179
120	0.017507	0.077659	-0.028329	-0.064517	-0.027914	-0.031676	-0.066698	0.031058	-0.005556	-0.021773	0.053908	0.016795	-0.043603	0.059778
121	-0.001581	0.06404	-0.002761	-0.073485	-0.035886	0.001262	-0.065039	0.076902	0.028719	-0.029389	0.008982	-0.018508	-0.066392	0.076082
122	0.033976	-0.022645	0.017633	-0.004492	0.001	-0.02633	0.008058	-0.009562	0.066236	-0.046326	-0.052375	-0.098887	0.00979	0.035084
123	0.043535	0.022035	0.023994	-0.110516	0.032737	-0.047149	0.047876	-0.005584	0.077879	-0.019635	-0.079602	-0.063469	-0.018559	0.031463

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
124	-0.010685	0.00684	-0.031969	-0.0517	-0.035385	-0.007869	-0.007525	0.019617	0.05744	0.017896	-0.009336	-0.013293	-0.007384	-0.001553
125	-0.01846	0.05062	-0.005459	0.083654	-0.001823	-0.109876	0.04842	0.041972	-0.051926	-0.089594	0.033014	-0.032223	-0.016053	0.012691
126	0.051783	0.003748	-0.028021	-0.020322	0.015995	-0.022914	0.021301	0.016824	0.025781	0.005083	-0.015053	-0.054143	-0.014713	0.00915
127	0.001562	-0.018455	-0.069516	-0.024055	0.004025	-0.00636	0.019278	-0.011644	0.064853	0.041549	-0.012401	-0.025724	-0.006464	-0.002968
128	-0.046849	0.056844	0.036001	-0.038897	-0.03744	0.025906	0.058654	-0.012971	-0.022041	-0.006954	-0.041157	0.057509	-0.059272	-0.083568
129	0.018138	-0.137175	0.162481	0.000664	-0.073077	0.101092	0.100963	0.046673	-0.033244	0.126664	-0.004283	0.03539	-0.010048	-0.220759
130	-0.015427	0.06884	0.053128	0.037994	-0.009014	0.037144	-0.066258	0.006263	-0.058682	0.130853	0.012746	0.022805	-0.091315	-0.113034
131	0.051213	0.02193	0.029657	0.037422	-0.051261	-0.009585	-0.071098	-0.072541	-0.056652	0.061301	0.025748	0.00221	0.068845	0.05432
132	0.026915	0.089639	0.049398	0.068142	-0.090289	0.01667	0.020482	-0.044014	-0.060029	-0.134953	0.044294	0.095984	-0.071749	0.032326
133	-0.081059	0.037052	0.019547	-0.011319	0.044574	0.042207	0.03915	-0.091352	0.028151	0.029265	-0.036133	0.09301	-0.068876	-0.062489
134	0.019502	-0.163282	-0.07247	-0.008741	0.08357	0.060559	0.021561	0.069786	-0.039941	0.021965	0.013272	-0.053277	0.011549	0.112054
135	0.032933	0.032223	0.01974	0.017687	0.01678	-0.015344	0.004748	0.007862	0.030752	-0.029271	0.02056	0.015029	0.024011	-0.02406
136	-0.016661	0.039906	0.011575	0.049242	0.008431	-0.065763	0.076697	0.04567	-0.018888	-0.04324	0.037466	-0.042201	0.05464	0.03359
137	0.020754	-0.049388	0.009379	-0.043822	0.078257	-0.021815	0.054558	-0.105476	-0.020584	0.150272	-0.010505	-0.026831	-0.047486	-0.069853
138	-0.158667	-0.091339	0.009943	0.046488	-0.13377	-0.001634	-0.129491	0.074176	-0.232469	0.115497	0.099074	-0.100285	0.019284	0.026949
139	0.071543	-0.113075	0.059064	0.052618	-0.086807	-0.053301	0.07856	0.032976	-0.041823	-0.10082	-0.066778	0.040287	0.057615	0.044471
140	-0.094811	-0.053539	-0.007453	0.176578	0.204801	0.041478	0.022702	-0.087547	-0.098603	0.012449	-0.082442	-0.001608	0.029182	0.041767
141	0.016086	-0.009389	-0.010828	0.041966	0.006053	-0.003387	0.025896	-0.033607	0.043651	-0.038076	-0.013646	0.05444	-0.018878	0.002033
142	0.01869	0.005643	0.06809	0.046958	0.008141	0.049207	0.031024	0.001287	0.025315	-0.021318	0.013398	-0.099073	0.018627	-0.017691
143	-0.003235	0.009701	0.007483	0.009576	0.014719	-0.026718	-0.001745	-0.017903	0.043451	-0.018929	0.01903	0.028339	0.001207	-0.112046
144	0.019905	-0.006685	0.005286	-0.070613	0.031328	0.016868	0.07115	0.019096	0.114457	0.079328	0.046656	-0.030332	-0.044337	-0.078967
145	0.05527	0.052408	0.001142	-0.046714	-0.054101	-0.009138	0.071605	0.004614	0.090946	0.038228	-0.03251	0.031764	0.037492	-0.099204
146	0.020582	0.024447	-0.010518	0.007053	0.000688	-0.000509	0.025188	0.019754	-0.041448	0.010747	0.010061	-0.003244	-0.018988	-0.010278
147	-0.012674	-0.062	0.017939	0.131418	0.020488	0.029891	-0.104235	0.031747	-0.139767	-0.033825	0.021937	-0.017454	-0.050257	-0.008903
148	-0.051709	-0.00142	0.019656	0.014478	0.04594	-0.026953	-0.061855	-0.136125	0.000023	0.166243	0.050658	-0.199901	0.016493	-0.035157
149	0.048623	-0.03357	-0.004317	-0.034155	-0.002449	0.025547	-0.020171	-0.035858	0.036783	-0.01238	-0.005953	0.005724	0.022269	0.034385
150	-0.066482	0.043509	0.0338	0.074298	-0.011422	-0.09777	0.032728	0.133438	-0.029661	-0.07542	0.032372	-0.042478	0.054539	0.002335
151	0.009583	-0.139506	0.041976	-0.015157	0.047371	0.019515	-0.186805	0.046468	0.097667	-0.072653	-0.023253	0.102156	-0.027648	-0.095638
152	-0.042637	0.023965	-0.005772	0.046875	-0.028217	0.021757	-0.016555	0.015184	0.045658	-0.012478	0.012682	0.017107	-0.000243	0.032086
153	-0.010601	0.017777	0.041967	0.015133	0.001067	0.003312	-0.066704	0.012396	0.110221	0.027582	0.018172	0.037558	-0.021642	0.031309
154	0.025482	0.025363	0.016405	0.026072	0.031458	0.019221	-0.020004	0.068904	0.037685	0.003103	0.037441	-0.038072	0.063302	0.055874
155	0.02053	0.049751	0.024583	0.031754	-0.023327	-0.046918	0.078537	-0.025829	0.021369	0.011397	-0.008756	0.021627	-0.018811	0.065038
156	-0.053085	0.080013	-0.021419	-0.009024	-0.028022	-0.00358	0.056652	0.000661	-0.088495	0.028792	-0.026386	-0.048231	-0.005106	0.033961
157	-0.052806	0.085711	-0.043809	0.01568	-0.03768	-0.079985	-0.000247	0.00346	0.077429	-0.045756	-0.020045	-0.037852	-0.010061	0.035927
158	-0.106586	0.019671	0.013998	0.007982	0.020675	-0.059606	-0.114649	0.051091	-0.03283	-0.061791	0.04459	0.081851	-0.190847	0.097814
159	-0.035465	-0.131663	0.158982	-0.02271	-0.049625	-0.031625	0.107317	0.02558	-0.010144	-0.01833	-0.07159	0.043295	0.156604	-0.11434
160	0.026324	0.109744	0.015475	0.032508	-0.101831	-0.115883	-0.113317	0.074054	0.001284	0.197011	-0.272185	-0.16686	0.170179	0.011221
161	-0.101335	-0.052355	0.101804	-0.011403	-0.004841	0.011165	-0.056968	0.005626	-0.090401	0.103622	0.184257	0.112936	-0.018891	0.047109
162	0.007215	-0.120066	0.079941	-0.066109	-0.006659	0.080271	-0.112842	0.051259	0.033806	0.110444	0.02822	0.014043	-0.057763	0.103601
163	-0.037702	0.006441	0.027305	0.018466	0.018502	0.098563	0.009748	0.023256	0.092064	0.062822	-0.01837	-0.036809	0.089171	0.020357
164	-0.008825	-0.034825	0.008644	0.065172	-0.024325	0.07143	0.052068	-0.014963	0.039404	0.065724	-0.059915	0.020615	0.087125	0.040349

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
165	-0.046331	-0.067489	0.079389	0.107703	-0.002032	0.135997	-0.044348	-0.019982	0.110448	-0.085822	0.009362	-0.036324	-0.055407	0.055645
166	-0.029195	-0.020839	-0.009906	0.022806	-0.100538	-0.021028	-0.173631	-0.01154	-0.031128	0.069232	-0.024581	-0.077946	0.013048	-0.046619
167	-0.023261	0.037044	0.000571	0.039224	0.010137	0.06121	0.140505	0.011779	0.031293	0.04503	-0.028201	-0.040819	-0.062452	-0.042422
168	-0.038794	-0.01014	0.080301	0.051615	-0.028491	0.02427	0.081314	-0.037179	-0.030653	0.027151	0.044349	-0.004873	0.010026	-0.093456
169	0.057818	0.024257	0.017903	0.021027	-0.003594	0.035003	-0.026276	0.005734	-0.015966	0.010615	0.011042	0.027149	0.032577	0.044106
170	0.054538	0.018372	0.04535	0.061521	-0.03078	0.030532	-0.036377	0.040309	-0.016335	0.007309	0.018822	0.047446	-0.003835	0.046767
171	0.025709	0.005393	0.022422	0.004205	0.013652	0.062539	-0.001712	0.010981	-0.02825	-0.032377	-0.002727	-0.005628	0.014415	-0.006502
172	0.030521	-0.001064	-0.051182	-0.030228	0.038926	0.048903	-0.053315	0.069801	0.020936	0.005777	-0.02152	0.107857	0.031044	0.009463
173	-0.027392	-0.048948	-0.005194	-0.047926	0.080039	0.076337	-0.020825	0.061507	0.022657	-0.001001	-0.034694	0.077114	-0.009588	0.060415
174	0.041777	-0.026691	0.001411	0.083224	0.066685	0.026041	0.022656	0.049391	-0.084158	0.03061	-0.032848	0.157476	-0.046697	0.057619
175	0.048483	0.023168	-0.061214	0.166528	0.051581	0.008003	-0.009261	0.087592	-0.07066	0.042364	-0.050305	0.141762	0.049868	0.09448
176	-0.04215	0.050437	-0.083835	0.029752	0.023209	0.023802	0.018696	-0.034308	-0.049648	-0.030291	0.055842	0.094272	0.066005	-0.0143
177	0.061676	-0.111457	0.077604	0.100146	-0.00961	0.108044	-0.130552	0.004769	0.075042	0.025487	-0.040109	0.086112	-0.026963	-0.00383
178	0.017872	-0.031866	-0.002787	-0.028561	0.049721	-0.035269	-0.061813	-0.095348	0.022684	-0.019336	-0.022298	-0.031316	-0.02346	-0.040844
179	-0.020333	-0.007203	0.064557	0.01666	0.023432	-0.011286	-0.00766	-0.037391	0.007595	-0.019804	-0.004272	-0.075317	-0.006349	0.005492
180	-0.007728	-0.015009	0.058564	0.021635	0.028412	-0.039634	-0.031107	-0.026473	0.005306	-0.01356	0.018044	-0.062245	-0.021926	0.045631
181	-0.014788	-0.01414	0.048827	0.024157	0.026089	-0.037615	-0.028061	-0.015001	0.006213	-0.043529	-0.005194	-0.045224	-0.0346	0.031793
182	-0.058286	0.007176	0.062452	0.0056	0.04114	0.008405	-0.002431	0.022471	0.027507	-0.039131	0.006544	-0.005976	-0.015107	0.025902
183	-0.06957	0.023923	0.04817	-0.030322	0.00904	0.022866	0.043302	0.038176	0.016919	-0.060678	0.014122	-0.067911	0.011141	-0.031404
184	-0.040119	0.060391	0.037737	-0.060428	-0.052945	-0.080263	0.060478	0.054872	-0.045623	-0.014302	-0.012094	-0.078278	0.013426	-0.101585
185	0.110021	0.007078	-0.041718	-0.048984	0.007698	-0.045565	0.101228	-0.057277	0.032569	0.018707	0.03829	0.026813	0.05869	-0.001437
186	-0.033258	-0.031416	0.047892	0.032622	-0.036102	0.044493	-0.027922	0.015607	0.068518	-0.011061	0.032023	-0.007985	-0.052526	0.066196
187	-0.002073	0.039135	-0.004946	-0.046124	0.029792	0.007918	0.030138	0.101482	0.050997	-0.009993	0.041985	0.021529	0.009856	0.088523
188	0.050655	0.040628	0.00682	0.036018	0.04854	-0.016649	0.064923	0.098089	-0.002976	0.070813	0.025672	0.092147	0.001868	0.078614
189	0.066128	0.080553	0.013711	0.093428	0.03548	-0.03954	0.057442	0.155	-0.039335	0.0909	-0.003642	0.09833	0.043257	0.096854
190	-0.027777	-0.004135	-0.010181	-0.000872	-0.019981	0.00543	-0.020059	-0.030346	0.019079	-0.009196	0.011362	0.036213	0.009419	0.059977
191	-0.004304	0.011806	-0.002877	0.0058	-0.039564	0.011355	-0.035997	-0.053965	0.016272	-0.012388	-0.011998	-0.01911	0.019868	0.079561
192	-0.064237	0.049215	-0.074975	0.024167	-0.024618	-0.033905	0.020127	0.030726	0.037101	0.003544	0.054382	-0.023638	0.036334	-0.073089
193	-0.021497	0.036139	-0.094371	-0.040915	-0.011311	0.001998	0.035404	0.040481	0.036722	0.021192	0.034189	0.04456	0.079024	-0.000189
194	0.01268	0.022205	-0.033575	0.026134	0.064409	-0.002744	0.020953	0.014766	0.065226	0.025509	0.065614	0.032462	0.042396	0.085837
195	0.03677	-0.034623	0.065066	-0.019864	0.023718	-0.039895	0.008603	0.025269	0.05528	-0.070671	-0.111427	0.004032	0.002679	0.05965
196	0.038247	-0.030643	0.056184	0.001922	0.033464	-0.026675	-0.006681	0.015841	0.048855	0.006234	-0.057175	0.001459	-0.013938	0.06939
197	-0.040785	0.034962	0.013342	-0.003905	0.001077	0.042414	0.002454	-0.087118	0.049505	-0.005081	0.00151	0.060716	0.007737	0.084589
198	0.093907	0.032649	0.027456	0.02249	-0.035208	0.024361	-0.035697	0.009369	0.032128	-0.104185	-0.02753	-0.028288	-0.03272	-0.05569
199	0.09833	-0.089541	-0.031495	0.090926	-0.045313	0.12386	-0.148462	0.011726	-0.031132	0.136533	0.152779	-0.031027	0.015418	-0.050358
200	0.025439	-0.041146	0.098229	0.036175	0.070312	0.009706	-0.026322	0.001597	0.03547	-0.024151	-0.058222	0.064732	-0.063059	-0.039953
201	0.101333	-0.10768	0.020542	0.034991	0.028487	-0.040676	0.028287	-0.131869	-0.034333	-0.106075	0.172251	-0.16872	0.062986	0.114436
202	0.093589	-0.007488	0.069664	-0.038002	0.0132	0.095909	-0.03818	0.019644	0.087478	-0.125344	-0.065745	0.013611	-0.04622	-0.019614
203	0.048161	-0.015276	-0.122043	-0.005702	-0.010023	-0.038693	-0.091679	-0.086366	0.081638	0.015034	0.015523	0.05544	0.062889	-0.04455
204	0.077713	-0.094702	0.000891	-0.051279	-0.037819	0.001254	0.106936	0.03884	-0.026411	-0.115354	0.107756	-0.063453	-0.041334	-0.072108
205	-0.230994	-0.161189	0.159319	0.189012	0.02258	0.158182	-0.036938	-0.135681	0.187	-0.063837	-0.13526	0.029343	0.095799	-0.007515

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
206	0.017678	0.057514	-0.020083	0.057926	-0.066025	0.055856	0.02536	-0.010832	0.012557	-0.072362	0.058808	-0.047066	-0.006816	-0.04363
207	-0.02237	-0.185121	-0.038155	0.147229	-0.005754	-0.012644	0.099892	0.128413	-0.021315	-0.004124	-0.114795	-0.115758	-0.090611	0.052761
208	-0.014054	0.080121	-0.100454	0.152148	-0.174242	0.063697	0.087557	-0.158918	0.119668	-0.009185	0.049813	0.072723	-0.061479	-0.039636
209	-0.118339	-0.141879	0.039104	0.047982	0.072679	0.01667	-0.133386	-0.045247	-0.006536	-0.066975	0.152479	0.038218	-0.009754	-0.064677
210	-0.077574	0.073767	-0.036466	-0.111967	-0.117163	0.007568	-0.128969	0.02179	-0.056862	-0.080194	0.055961	-0.007965	0.290679	0.054477
211	0.003405	-0.079173	-0.113831	-0.042945	0.082458	-0.000689	-0.004249	0.056827	-0.045084	0.017979	0.015578	-0.073242	0.064594	-0.047641
212	-0.060963	0.068267	-0.035149	0.260854	0.080203	-0.02531	0.001042	-0.027882	-0.049067	0.03655	-0.005354	-0.074246	0.091603	-0.096102
213	-0.204516	-0.027043	0.027759	-0.005434	-0.072692	-0.013932	0.002288	-0.135159	-0.060821	0.004429	-0.161463	0.058806	0.057062	0.139231
214	-0.003205	0.017653	0.050246	-0.004845	0.002211	-0.038817	0.010817	-0.008747	0.018468	0.011625	0.001453	-0.10348	-0.026056	-0.015739
215	-0.040452	0.021169	-0.008781	0.04272	-0.029726	-0.027927	-0.021926	-0.054883	0.021431	-0.098551	0.002701	-0.065697	0.04262	-0.045349
216	0.03928	0.003222	0.057807	-0.013816	0.002133	0.061076	-0.003642	0.029067	-0.014333	-0.013747	-0.04373	0.012244	0.005694	-0.044037
217	0.013427	0.005894	-0.036222	-0.0932	-0.113984	0.166771	0.092028	0.056684	-0.032253	-0.029219	-0.049555	0.010601	-0.006944	0.044539
218	0.012312	0.01087	-0.015202	-0.010489	-0.009501	0.026263	-0.007514	-0.008083	0.027178	-0.013434	-0.031897	0.017583	0.023648	-0.01833
219	0.035749	0.045467	0.003007	-0.013364	-0.038348	0.017453	-0.021195	0.031291	0.010727	-0.013235	-0.03778	-0.010557	-0.031379	-0.007006
220	0.001532	-0.021619	-0.003213	-0.095372	-0.057233	0.048974	-0.008283	0.062448	-0.001064	-0.020511	-0.008127	0.037698	-0.035732	-0.018444
221	-0.027557	-0.007318	0.007659	-0.057832	0.032046	0.04187	-0.070264	-0.001398	-0.037136	-0.073249	-0.09166	-0.015358	0.007207	0.044834
222	-0.112268	-0.039726	-0.101813	0.028588	-0.021125	-0.001332	-0.034906	0.014419	0.057373	0.022035	-0.015039	0.009815	0.058449	-0.018489
223	-0.067644	-0.032386	-0.120304	-0.000765	0.010049	0.008273	-0.01304	-0.001947	0.039237	0.002428	-0.007342	0.07909	0.014319	-0.02863
224	0.002748	-0.023941	-0.035104	-0.057463	0.021495	0.10147	0.017335	-0.020804	-0.046445	-0.107583	-0.015652	-0.136316	-0.019073	-0.090703
225	0.024015	-0.028059	-0.040016	-0.048955	0.021022	0.111119	0.012807	-0.031527	-0.044525	-0.097463	-0.033281	-0.123611	-0.006038	-0.094796
226	-0.001903	0.06413	0.053143	-0.050138	0.001544	-0.044267	0.00051	0.018039	0.018259	0.012565	0.03026	0.065399	0.017884	-0.034044
227	-0.021788	0.060599	0.046716	-0.138813	0.059542	0.102544	0.012344	0.0094	-0.042982	-0.09942	0.053513	-0.034389	0.091369	-0.052287
228	0.007927	-0.025311	-0.133276	0.073685	-0.01584	-0.030781	0.061377	0.024985	0.043105	0.041369	-0.078837	0.028941	-0.034816	-0.033483
229	0.024237	-0.219186	-0.01325	0.03852	-0.176958	-0.189273	0.047011	0.09471	0.087747	-0.080579	0.014906	0.009873	-0.020618	0.050718
230	0.004995	-0.113274	0.008962	0.021887	-0.012784	-0.037655	-0.006592	-0.010011	0.042308	0.011687	0.022743	-0.046081	0.026403	0.037848
231	-0.05903	0.079693	-0.010805	-0.073317	0.076519	0.052832	-0.022582	0.020228	-0.076331	-0.07315	0.041355	0.146085	0.03768	0.010985
232	-0.005887	0.000828	-0.073235	0.061118	-0.031678	0.021355	-0.01623	0.116284	0.034448	0.075354	0.007908	-0.051207	-0.058669	0.055479
233	0.01084	-0.027202	0.003357	0.02003	-0.01532	0.011521	-0.018686	0.057538	0.079919	0.010991	-0.026838	-0.026614	0.018296	0.030935
234	-0.044172	0.098825	0.022439	0.089503	0.077238	-0.014757	0.033182	-0.047626	0.01004	-0.015474	0.033266	0.104045	-0.011313	-0.04422
235	-0.049848	0.058598	-0.048577	0.046927	0.078486	0.076818	0.000391	-0.039989	-0.028652	-0.007176	0.04561	0.096874	-0.010696	-0.006853
236	-0.067757	0.041683	-0.044347	0.063995	0.001563	0.052818	0.030701	0.017321	-0.052748	0.01622	0.053476	0.016476	0.083842	0.054946
237	0.026072	-0.039728	-0.002316	0.040404	-0.036933	0.029318	0.060511	-0.010196	-0.084501	0.024934	-0.006729	0.019317	0.016601	0.016684
238	0.065011	0.020492	-0.034942	0.053992	-0.002788	-0.013677	-0.01265	-0.01676	0.011544	0.035696	-0.020002	-0.021134	-0.010559	0.022373
239	0.021882	0.050951	-0.081428	0.012441	0.036741	-0.012275	0.001365	-0.042422	0.047064	-0.009391	-0.032789	-0.010436	-0.007849	-0.000942
240	0.060159	0.022595	0.022572	0.010907	0.014232	0.049939	-0.019145	0.020542	0.042235	0.024041	0.044823	-0.04568	-0.038408	0.048579
241	0.050215	0.030692	0.023682	0.082571	0.019173	-0.004096	0.026894	0.026473	0.02074	0.022354	0.022522	-0.017607	-0.015193	0.056072
242	-0.083679	-0.017638	-0.10227	0.000026	0.060334	0.025926	-0.021181	0.011129	-0.059778	-0.021798	-0.005371	0.068842	0.061592	0.01858
243	0.024432	-0.08225	-0.124199	-0.036302	0.043228	-0.007423	-0.064501	-0.040914	-0.038022	0.005537	-0.046253	-0.006301	0.027414	-0.001273
244	0.038819	0.012414	-0.006272	-0.048834	0.015392	0.020779	-0.057668	-0.070064	-0.057438	-0.066104	-0.01493	-0.040831	-0.020785	0.004575
245	0.046124	0.02583	-0.013493	0.025071	0.003142	-0.004463	0.025247	-0.03306	-0.039283	-0.018462	-0.017694	0.006494	-0.01353	-0.06366
246	-0.085022	-0.053993	0.026702	-0.014662	0.014167	-0.034816	0.019139	0.075562	0.030242	-0.023581	-0.012406	0.032671	0.03894	-0.065942

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
247	-0.05929	-0.035072	0.003832	-0.007515	0.015593	-0.059303	-0.016858	0.022256	0.03666	-0.01885	0.008123	-0.001849	0.056567	-0.001319
248	-0.053607	-0.023667	-0.003045	0.0042	0.011915	-0.026612	0.012107	0.038739	0.02748	-0.004873	0.017064	-0.034479	0.022201	0.045794
249	-0.051649	-0.015084	-0.087536	0.078418	-0.053461	0.04941	-0.039192	0.091156	0.049727	0.065937	0.10161	0.000479	-0.009187	0.010027
250	-0.00134	0.019143	0.009456	0.034888	0.024691	0.020061	-0.002353	0.022051	0.026287	-0.040922	0.058386	-0.017215	-0.025957	0.030608
251	0.052757	0.036636	-0.012279	0.017111	0.003425	0.057017	0.013933	-0.032701	-0.00491	-0.024584	0.060194	-0.051713	-0.04843	0.082187
252	0.072104	0.002287	-0.052504	-0.013477	0.028764	0.008923	0.070547	-0.025304	-0.029633	-0.077289	0.007571	0.032381	0.02727	0.025994
253	0.026815	-0.048415	-0.040042	-0.008649	0.019377	-0.060274	-0.006721	0.005474	-0.042267	0.036059	-0.058908	0.023516	0.04504	-0.026724
254	-0.027873	-0.024539	-0.091833	0.019304	-0.008684	-0.017149	-0.036795	0.006862	-0.00201	0.010077	0.035385	0.042056	-0.011467	-0.048324
255	0.015098	-0.013685	0.014109	-0.020671	0.029297	-0.010784	-0.058233	0.009154	-0.042347	-0.024714	0.022284	0.025648	-0.01024	-0.005365
256	0.092449	-0.024685	0.089171	0.104693	0.030698	-0.097794	0.025276	0.007206	-0.038424	0.024022	-0.011447	0.088537	-0.004572	-0.088045
257	-0.018024	0.062182	0.05903	0.041385	0.052812	-0.002258	0.025151	-0.00592	0.03173	0.037384	-0.005779	-0.01962	0.035791	0.001362
258	-0.000201	0.051419	0.054794	-0.009838	0.05126	0.016966	0.002691	-0.049092	-0.017151	0.043526	-0.009849	-0.013655	0.065889	0.063791
259	-0.051241	-0.032161	-0.124805	0.034459	-0.031441	0.008022	-0.006711	0.028635	0.04725	0.013546	0.038897	0.002093	0.021747	0.015541
260	-0.007637	-0.038003	-0.093944	0.01348	-0.013448	-0.005208	0.100842	0.048917	0.04867	-0.104273	-0.012319	-0.014344	0.015724	-0.008613
261	0.010416	-0.010745	-0.024642	-0.028841	-0.008395	0.026203	0.103945	0.018139	0.001635	-0.05644	-0.020905	-0.009875	0.030749	0.060811
262	-0.01316	0.006302	-0.044371	-0.007194	0.020533	0.007952	0.046136	0.031682	-0.027822	-0.043186	0.001816	-0.000937	0.007652	0.00293
263	-0.014854	0.036002	-0.06239	-0.013582	0.019488	0.014209	0.010403	0.019743	-0.01975	-0.028836	0.003657	-0.000318	0.004425	0.003494
264	-0.107199	-0.023623	-0.092688	0.032227	-0.024586	-0.04576	-0.018082	0.020839	0.04834	0.055059	0.067377	-0.013927	0.029253	-0.076505
265	-0.03923	-0.063805	-0.083153	0.011865	0.004902	-0.072412	0.053054	0.032703	0.026744	0.034498	-0.005205	0.002517	0.035118	-0.127621
266	0.026359	-0.05651	-0.007387	-0.025675	0.024565	-0.053256	0.091777	0.003326	-0.015521	-0.023371	-0.032459	0.007872	0.004651	-0.056192
267	0.105295	-0.022081	0.069529	0.028425	-0.085959	-0.123418	-0.029129	0.05627	-0.035594	-0.01771	-0.01506	0.104673	0.005414	-0.122131
268	0.010762	0.047132	0.042249	-0.035205	0.015041	-0.024084	-0.035463	0.024722	0.014647	-0.00612	0.029279	0.069244	0.013865	-0.062601
269	0.000863	0.022594	0.072657	-0.011306	0.022865	0.004641	-0.003139	0.039863	0.002446	-0.017881	0.030213	0.047488	-0.01068	-0.018928
270	-0.003936	0.050879	0.067464	-0.064144	0.04991	0.021452	0.00644	0.01319	0.004847	-0.026707	0.028365	0.000933	0.009668	-0.009577
271	-0.018993	-0.080247	0.023965	0.034917	-0.081483	-0.094988	0.049398	0.086452	-0.024475	-0.108781	0.052887	0.043008	-0.070715	-0.061765
272	0.052435	-0.123305	-0.048963	0.033027	-0.152773	-0.197522	0.010628	0.029698	0.053069	0.003822	0.014487	0.052145	-0.069736	0.041099
273	-0.017941	-0.101427	-0.038772	-0.013826	-0.064207	-0.07093	-0.024787	0.0166	0.032673	-0.006396	0.036972	-0.035522	-0.019307	0.086942
274	-0.025906	-0.100644	-0.027621	-0.002052	-0.060183	-0.06967	-0.013073	0.019833	0.027381	-0.007797	0.036918	-0.050725	-0.030808	0.104482
275	-0.018366	-0.052136	0.022721	-0.051646	-0.008191	0.007272	0.001773	0.002935	0.014077	0.009989	0.024848	-0.11428	-0.011307	0.083344
276	-0.036587	-0.002409	-0.034137	0.094475	-0.052382	-0.011348	0.015845	0.00038	-0.034677	0.024804	0.069367	0.034768	0.070101	0.060319
277	-0.044803	-0.004778	-0.038155	0.014341	-0.029975	0.048087	0.013616	-0.045799	-0.047654	-0.01241	-0.031784	-0.016784	0.015712	-0.006979
278	-0.044523	-0.017951	-0.053121	-0.012626	0.019697	0.086795	0.0792	-0.059554	-0.021867	-0.02458	-0.029059	-0.040703	-0.039878	0.025465
279	0.030954	0.043435	-0.067296	0.034398	0.03036	-0.014821	0.007682	-0.050596	0.044345	0.006607	-0.02888	-0.071778	-0.075642	0.039464
280	0.015813	-0.102543	-0.069346	-0.021124	-0.002713	0.032096	-0.118101	-0.039152	-0.06347	0.077838	-0.089527	0.000977	0.028146	-0.012951
281	-0.082543	-0.059379	0.039272	-0.041464	-0.039952	-0.07018	-0.077996	-0.0062	0.078801	0.024495	0.006677	-0.013247	-0.021998	-0.00365
282	-0.064569	-0.07454	0.05996	-0.050498	0.046093	0.015973	-0.048553	-0.026094	0.087869	0.001003	-0.001887	-0.012867	-0.033791	0.023911
283	-0.067261	-0.006149	-0.0042	-0.026159	0.003195	-0.093681	0.007161	-0.016288	0.041921	-0.01826	0.020903	-0.068782	-0.029085	0.053232
284	0.000451	0.06211	0.055103	0.048912	0.028787	-0.012582	0.006767	-0.023781	0.038328	0.062815	0.012124	-0.04365	-0.006729	0.000568
285	-0.022653	0.074348	0.057491	0.054105	0.049853	0.000602	0.02118	-0.005549	0.043524	0.010005	0.02763	-0.051008	-0.01504	0.011941
286	0.053769	0.066454	0.109086	0.008044	0.021129	0.027592	-0.028461	-0.078576	0.007002	0.081716	0.01495	-0.053027	0.000557	0.058442
287	0.062854	0.078127	0.089796	-0.019329	0.045604	0.020367	-0.014627	-0.062616	0.012205	0.070761	0.016669	-0.06666	-0.01322	0.064723

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
288	-0.024878	0.090659	0.041875	-0.052852	0.049895	-0.025349	0.055194	-0.032735	-0.038011	0.073064	0.028647	-0.066226	-0.00037	0.105216
289	0.012955	0.021716	-0.01418	0.002516	0.020498	0.007839	0.026186	0.001373	-0.018183	-0.042244	0.005814	-0.011366	0.003821	-0.008285
290	0.069256	-0.044383	0.014555	-0.031074	0.018044	-0.066251	0.00108	-0.018971	-0.040713	0.103769	-0.022795	-0.009922	-0.00935	-0.025708
291	0.069026	-0.049023	0.012194	-0.036889	0.020304	-0.063118	-0.006707	-0.020363	-0.041346	0.106106	-0.02253	-0.00673	-0.011026	-0.028009
292	0.076557	-0.027217	0.007436	-0.013898	0.008674	-0.087037	-0.003356	-0.016359	-0.026473	0.113312	-0.005044	-0.01232	0.005679	-0.028902
293	-0.155212	0.017729	-0.083755	0.012186	0.10436	-0.025285	-0.027098	0.069375	-0.012916	0.013376	0.009564	0.047173	0.006375	-0.048464
294	-0.049494	-0.009912	-0.052828	0.008486	0.071802	-0.016186	-0.010275	0.002319	-0.00874	-0.025693	-0.036338	0.034298	0.070618	0.006768
295	-0.108283	-0.064546	-0.119937	0.006236	0.02239	-0.054464	-0.014215	0.035638	0.011432	0.020024	-0.021326	-0.011056	-0.008144	0.057597
296	-0.048267	-0.062302	-0.110453	-0.021861	-0.000136	-0.017499	-0.026281	0.006534	0.005884	0.031633	-0.024156	-0.036579	0.01109	0.082923
297	-0.087095	-0.053965	-0.121241	0.012193	0.0196	-0.061995	-0.016275	0.006656	0.018129	0.01939	0.003332	0.014434	-0.010666	0.029983
298	0.087443	-0.035073	-0.050131	0.049951	-0.040231	0.085943	0.013673	-0.024209	-0.027373	0.055762	0.052525	-0.022936	-0.081308	0.010465
299	-0.006053	0.008627	-0.132996	0.008474	0.011515	-0.025402	-0.058132	-0.026778	0.015562	0.01502	0.003466	0.017709	-0.001529	-0.004318
300	0.103514	-0.078452	0.017301	0.021297	-0.065279	0.06401	-0.006161	-0.013429	-0.024012	0.073163	0.022819	-0.028837	-0.048618	-0.020668
301	-0.06579	0.032247	-0.119993	0.036641	0.066889	-0.002611	0.00107	0.020121	0.026339	-0.003545	-0.024423	-0.013246	-0.000565	-0.029827
302	-0.02088	0.00848	-0.060877	-0.00408	0.004754	0.048537	-0.023586	0.00821	0.023354	-0.006378	-0.083433	-0.044955	0.005965	-0.041985
303	0.091336	-0.00282	-0.11175	0.004555	0.014018	-0.007147	-0.057745	-0.096355	0.025588	-0.003999	-0.062996	0.03987	0.024966	0.011205
304	0.081674	0.006321	-0.089518	-0.026476	-0.023194	-0.002933	-0.067058	-0.073272	0.013417	0.012357	-0.075897	0.000325	0.016585	0.016849
305	-0.075803	0.043363	-0.067713	0.015885	-0.006912	0.007369	0.06811	-0.005332	0.031301	-0.046837	-0.081515	0.014575	-0.080344	-0.033428
306	0.01717	-0.100007	-0.027807	0.009819	0.042979	0.012813	-0.017747	-0.056818	-0.03473	0.006098	-0.034062	0.023287	-0.005272	-0.045099
307	0.177948	-0.090698	-0.013744	-0.034062	0.14721	0.000354	-0.071919	-0.105099	0.101332	0.03271	-0.080101	0.137435	-0.102175	0.103897
308	0.001816	0.030716	-0.020146	0.013965	-0.028199	-0.005508	-0.033023	0.045419	-0.017519	-0.028778	-0.026529	-0.022933	-0.01897	-0.015861
309	-0.017087	0.021638	0.021722	0.000931	0.011562	0.010817	0.003793	0.034078	0.011953	0.012381	0.018585	0.018828	0.001158	-0.009493
310	-0.004017	-0.024656	0.004792	0.068358	0.000089	0.012936	-0.018676	-0.009213	-0.03852	-0.022091	-0.011373	0.000426	-0.029441	-0.012281
311	0.000097	-0.071087	0.008578	-0.02352	0.048975	-0.033124	0.075143	0.014972	0.019739	-0.007043	0.028643	0.025126	0.045101	0.043837
312	0.080856	-0.098825	0.009276	0.008267	0.11535	-0.111309	-0.00635	-0.063307	-0.112283	0.011268	0.060009	0.147681	-0.073171	0.068647
313	-0.02681	-0.008752	-0.000668	-0.029067	0.050869	-0.051061	0.050144	-0.031783	0.016518	0.023169	0.058658	0.025081	0.022586	-0.030544
314	0.005316	0.017729	-0.021699	0.057342	-0.040974	-0.08586	0.000448	-0.152816	-0.063632	-0.10437	0.003998	0.078061	-0.022495	0.008894
315	-0.005338	0.009803	0.010407	-0.037594	0.037752	-0.011103	0.028961	-0.012774	0.005828	-0.007969	0.043371	0.028363	0.00266	0.015743
316	-0.054106	0.065624	-0.002217	0.064407	0.109311	0.052193	-0.071675	0.072166	-0.093957	-0.06937	-0.106664	-0.112803	-0.099552	0.10001
317	-0.068143	0.013444	0.026622	0.010182	0.069328	-0.001132	0.066976	0.033748	0.025492	-0.007308	0.006784	0.01541	0.012358	0.003314
318	-0.073002	-0.008216	-0.021489	0.000675	-0.019325	-0.002177	0.030131	0.038642	0.012848	-0.069383	0.023824	0.027395	0.009889	0.051689
319	-0.003085	0.037542	0.017354	-0.042734	0.021483	0.006878	-0.003944	0.003617	0.002335	0.004438	0.019037	0.02632	-0.020839	0.018455
320	-0.010685	0.010183	0.0098	-0.032088	0.020578	0.02939	0.005544	0.020359	0.014419	0.044327	-0.043087	0.024892	-0.019802	0.034434
321	0.045548	0.00255	-0.052612	-0.00151	-0.020385	-0.028445	0.046173	-0.046808	-0.010255	0.004762	0.050923	-0.001116	0.056565	-0.001282
322	0.192801	0.087967	-0.086244	0.096908	-0.041999	0.195227	-0.078772	0.028648	-0.029899	-0.003976	-0.039382	-0.052313	-0.013349	0.024505
323	0.063663	0.015189	-0.007464	0.058526	-0.012365	0.028372	0.018994	-0.076465	-0.065997	0.01353	0.094204	-0.058767	0.056302	0.009721
324	0.027085	-0.03695	-0.020117	0.134636	0.025232	0.019237	-0.019513	-0.05172	0.039984	-0.042515	-0.033588	-0.083628	-0.12162	-0.029452
325	-0.009667	-0.02742	0.032821	-0.000394	0.042804	-0.024421	0.014948	0.03826	0.026133	0.042993	0.011339	0.006441	0.016246	0.009649
326	0.039885	-0.032331	0.023548	-0.028785	0.050065	-0.05399	0.031014	0.081087	0.019935	0.026242	-0.056567	-0.011976	0.098	0.017729
327	-0.004208	-0.008547	0.004928	0.031117	-0.048397	0.001382	0.01769	0.021024	0.013146	0.0225	0.01294	-0.023751	-0.015497	0.033248
328	0.087542	0.005145	-0.087852	0.096564	-0.059498	0.138187	0.094118	0.056119	-0.052532	-0.03014	-0.012151	-0.001681	0.083121	0.030591

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
329	0.024267	-0.017477	0.00581	0.003544	-0.004414	-0.004689	-0.0082	-0.030875	0.009967	0.014727	0.032271	-0.066963	0.047563	0.023888
330	0.092956	0.058402	-0.031154	0.099038	-0.22215	0.148062	0.005082	0.0827	0.047406	-0.072423	-0.025418	0.077741	0.127716	0.004513
331	0.031031	-0.013996	0.031499	0.005311	0.032321	-0.043531	-0.006044	0.001608	0.000827	0.013949	0.026487	0.009548	0.003796	0.015304
332	0.080322	-0.081282	0.054006	-0.026609	-0.080306	0.100024	-0.008279	0.166036	-0.051283	0.020528	-0.187893	0.105337	0.113366	0.051925
333	-0.035695	-0.012356	0.049974	0.017083	0.052286	0.004092	0.026498	0.046449	0.052215	0.002506	0.02848	0.008617	0.004347	0.013005
334	0.008504	-0.101212	0.107549	-0.032364	0.031003	0.085237	0.001209	0.041577	0.066643	-0.080229	0.086819	0.021845	0.033722	-0.009127
335	0.024588	0.010352	0.04643	0.004604	0.03383	-0.008577	0.005487	0.040277	0.025384	0.035489	-0.002818	0.010743	-0.020398	0.021123
336	0.060905	-0.023353	0.026174	0.062515	-0.003902	-0.050009	0.05707	-0.060713	-0.030041	0.018852	-0.027612	0.005651	0.043761	-0.057029
337	0.03658	-0.032495	-0.029444	0.029605	0.034307	-0.033091	-0.085549	0.017769	0.02596	-0.040528	0.070172	0.008645	-0.083357	0.024472
338	0.022133	-0.023202	-0.032538	-0.0403	-0.09304	0.190556	0.082636	-0.058556	0.045813	0.029404	0.057637	-0.124143	-0.03528	0.134494
339	-0.014526	0.019389	0.030001	-0.020641	0.039139	0.03606	0.043284	0.016698	-0.021049	0.02668	-0.004641	0.004597	-0.004349	0.076194
340	0.017326	-0.216019	-0.077479	-0.176656	-0.19806	0.04298	-0.063628	-0.002065	-0.028493	0.058139	0.024412	-0.049482	-0.036989	-0.051544

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
1	-0.033248	0.041548	0.004407	0.04232	-0.00978	-0.046593	-0.025963	-0.004158	-0.014118	0.043322	-0.014375	-0.004204	0.024545	-0.027333
2	-0.016607	-0.019613	-0.026613	0.026211	0.006355	-0.046715	-0.065869	-0.011114	-0.006262	0.001651	0.046025	0.033135	0.014284	-0.015258
3	-0.05265	-0.013401	-0.018818	0.077979	0.022912	-0.032306	-0.050926	0.030873	0.045651	0.040659	0.002472	0.013646	0.003027	-0.01591
4	-0.012606	0.060281	0.033821	0.031613	-0.043503	-0.073967	-0.060501	-0.054319	0.020464	0.05627	-0.010574	0.002087	0.027923	0.004241
5	-0.15201	0.046777	0.061807	-0.137806	-0.194528	-0.027707	0.094907	-0.028433	-0.070493	-0.096681	-0.020509	-0.075121	-0.021568	0.063253
6	0.023685	-0.074812	0.003761	-0.040449	-0.14402	-0.061101	-0.044236	-0.048966	0.140316	-0.109684	-0.034067	-0.026783	-0.091175	-0.061655
7	-0.001563	0.002954	-0.060204	0.055554	0.013825	0.079292	0.039423	-0.024628	0.19843	-0.026984	0.01995	-0.012649	-0.067224	-0.076952
8	-0.056451	-0.150326	-0.158833	-0.081455	-0.098171	0.15138	0.041052	-0.071036	0.012042	0.112861	0.136027	-0.068473	-0.062882	-0.060355
9	0.047876	0.088331	0.029459	0.097767	-0.056627	-0.001841	-0.026809	-0.090912	0.040739	0.117904	-0.038304	-0.10834	-0.073996	-0.042568
10	0.00019	0.002423	0.003001	0.021972	0.102896	-0.081142	-0.122618	-0.052353	0.014024	-0.010041	-0.005395	0.034293	0.053066	0.006743
11	0.016791	0.006126	0.179326	0.064198	0.071943	0.123363	0.204447	-0.165658	-0.03074	0.124479	0.016116	0.012266	0.102513	0.0218
12	0.062304	0.090816	-0.111351	-0.073283	-0.032103	-0.139217	0.114992	-0.042636	0.153074	0.168284	-0.056001	0.025552	0.018972	-0.239318
13	0.000888	0.014771	-0.003823	-0.02448	-0.021511	0.037025	-0.065015	0.030802	0.056416	0.038375	-0.020982	0.019855	0.018981	-0.000255
14	0.047248	-0.010695	0.01228	-0.015426	-0.042696	0.030896	-0.067585	-0.014063	0.04066	0.058038	-0.040202	0.019984	0.043749	0.00411
15	0.001685	-0.007827	0.001451	0.024818	-0.009502	-0.022272	-0.008226	0.003953	-0.055861	0.022073	-0.012972	-0.004879	0.020361	-0.033392
16	0.063683	0.130969	-0.017917	0.105488	-0.087477	-0.057301	0.073156	-0.022333	0.007525	0.089321	0.071178	-0.085276	-0.108799	-0.105817
17	-0.009746	-0.001474	0.00047	-0.037478	-0.097758	0.072046	0.006467	-0.020948	-0.041931	0.048773	0.037643	0.064115	-0.094815	-0.06507
18	-0.027927	0.043027	0.00501	0.059821	-0.081144	0.080007	-0.050265	0.050613	-0.08276	-0.053644	-0.048717	-0.141404	0.007569	0.050038
19	-0.087855	0.029241	-0.016549	0.078346	0.052613	-0.002305	-0.056119	0.028027	-0.013135	-0.010591	-0.06284	0.025354	-0.068882	0.06976
20	0.009458	0.002567	-0.010992	-0.019586	-0.004321	0.014642	0.023047	-0.00845	0.053192	0.023319	-0.021063	-0.020048	0.023572	-0.00181
21	-0.042766	0.04277	-0.019222	0.016015	0.013073	-0.001647	-0.015524	0.040036	0.03026	0.0629	-0.032276	0.109351	0.032396	0.004737
22	0.111472	-0.075926	0.06224	-0.081419	0.045029	-0.090365	-0.02697	-0.043455	0.048642	0.092379	-0.008529	-0.028869	-0.088543	0.070964
23	0.162589	-0.012925	0.013996	-0.06753	-0.123196	-0.078654	0.033405	0.02446	0.000223	-0.057683	-0.068049	0.088917	-0.026053	-0.062475
24	-0.004921	0.177506	-0.014458	-0.045695	0.042382	0.061688	-0.015162	0.075689	0.056242	0.046542	-0.007948	0.050513	0.123237	0.103451
25	0.044471	0.067764	-0.016141	0.124483	-0.060531	0.058091	-0.071884	-0.006915	0.139175	0.004151	0.090942	0.000197	-0.026465	0.053847
26	-0.007138	0.010159	-0.000694	-0.018583	0.000976	0.016672	0.031339	-0.012571	0.050234	-0.030464	0.011993	-0.018484	0.041871	0.013348
27	-0.006255	0.027648	-0.003926	-0.020408	0.013527	0.008904	0.015912	-0.016269	0.020001	-0.000003	-0.022493	-0.008629	0.013235	0.016076
28	-0.020208	0.020737	-0.018827	0.028042	-0.061104	-0.03721	-0.007205	-0.032307	0.043842	0.023256	-0.015267	0.03047	0.026065	-0.027957
29	-0.217987	-0.066112	0.011162	0.103064	-0.062796	0.007716	-0.134052	0.006099	-0.125231	-0.042773	0.070471	0.035908	0.021583	-0.112658
30	-0.009782	-0.04731	0.030713	-0.145005	0.022579	-0.009676	-0.005099	-0.052412	-0.005304	-0.030265	-0.011164	-0.019858	0.058839	0.003081
31	0.022526	0.009144	0.032992	0.03611	-0.005026	0.020896	0.066498	0.071296	-0.029006	-0.034857	-0.033089	0.087726	-0.025644	-0.006412
32	0.092225	-0.154763	0.141944	0.052366	-0.03884	-0.133646	0.010664	-0.242222	-0.013145	0.049062	0.003695	-0.016949	0.140465	0.019276
33	0.061938	0.02269	0.007168	-0.095531	-0.065216	0.062249	-0.139797	0.054842	-0.076361	0.02367	-0.000543	-0.039795	-0.016014	0.005144
34	0.002405	0.02786	-0.007339	-0.005571	0.061784	0.01914	-0.02392	0.06603	-0.02695	0.016121	-0.004706	-0.04625	-0.05798	-0.035434
35	0.018135	0.060235	0.091494	-0.0622	0.035138	0.02397	-0.053112	-0.09661	-0.018301	0.009784	0.022985	0.020692	0.036936	-0.009207
36	0.062674	0.047281	-0.045314	-0.126692	0.093786	0.000041	0.008439	-0.035666	0.006677	0.021567	0.042531	-0.035223	0.021678	0.019943
37	0.045863	-0.025549	-0.005249	-0.025385	-0.006622	0.003587	0.034004	-0.052867	-0.016813	-0.010022	-0.01616	0.030167	0.001445	-0.050904
38	-0.031387	-0.092828	-0.107197	-0.025523	0.033714	-0.187177	0.064562	0.084861	-0.016384	0.017468	0.0068	-0.076182	-0.026917	0.117308
39	-0.001184	0.037901	-0.024755	-0.002459	0.013931	-0.012332	0.090986	-0.029122	-0.017214	-0.031228	0.039048	0.0495	-0.029568	0.015264
40	0.04325	-0.021915	0.032091	0.0207	0.049609	-0.021577	-0.001595	0.042704	-0.052284	0.013137	-0.006089	-0.032642	0.001597	-0.016935
41	0.009151	0.015572	-0.031693	0.099249	0.053247	-0.002881	0.022938	0.028083	-0.03781	0.006717	0.024869	-0.016324	-0.046715	-0.065647

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
42	-0.045117	0.02835	0.001727	0.018397	0.037463	-0.0157	0.065528	-0.009286	-0.023168	0.001663	0.012394	0.000753	-0.066643	-0.021137
43	0.023434	-0.04371	0.030395	0.045672	0.051096	-0.002216	0.000024	0.038514	0.009949	-0.006426	0.00225	-0.028726	-0.024304	0.000216
44	0.028851	-0.042693	0.015323	0.018041	0.043975	0.028803	-0.000293	0.027492	-0.013294	0.022738	0.024804	0.039405	-0.029431	-0.053812
45	0.041093	-0.030622	-0.00529	0.067362	0.033801	0.056792	-0.019643	0.061283	0.002986	0.010103	-0.037983	-0.026412	0.019571	-0.093253
46	0.146923	-0.008616	-0.063157	0.022102	-0.078346	0.067804	-0.019563	0.015482	0.050164	-0.037756	-0.020818	0.013783	-0.028259	0.031216
47	0.084038	-0.024222	-0.054831	0.001061	-0.029999	0.033684	-0.014541	0.035625	-0.070483	0.036144	0.018234	0.075245	0.050234	0.009665
48	0.024219	-0.033326	-0.004097	-0.052062	-0.061408	0.050408	0.05895	-0.051622	0.007623	-0.052919	-0.043802	-0.02162	0.030701	0.021041
49	-0.048261	-0.046478	0.037791	-0.117223	0.010459	0.015745	0.0009	-0.037907	0.016662	-0.041664	-0.015625	-0.020458	0.056938	0.030827
50	0.024599	0.022882	-0.002615	-0.00629	-0.047101	0.002635	0.033425	-0.094921	0.02984	-0.018032	-0.008292	0.000877	-0.028697	-0.016395
51	0.039714	0.044096	0.040828	0.013422	0.0453	-0.008394	-0.051269	0.00921	-0.034144	-0.021102	-0.016826	0.014186	-0.01903	0.017765
52	0.038866	0.012241	-0.067329	-0.016172	-0.040345	0.016652	-0.019347	-0.084819	-0.048527	-0.044921	0.009053	0.03773	-0.045162	-0.007094
53	0.015526	0.002757	-0.021288	0.036492	0.006999	0.005824	0.023022	0.034129	0.055297	0.014826	-0.008204	0.025411	-0.077178	-0.019396
54	-0.041489	0.046656	0.0075	-0.069253	-0.032208	-0.017253	0.023872	0.015206	0.007767	0.007095	0.021503	-0.063861	-0.031106	0.010207
55	0.001385	-0.018027	-0.027301	-0.021133	-0.033044	0.000567	0.077537	0.063201	-0.018537	-0.017714	-0.011598	0.030787	0.025155	-0.004344
56	-0.027948	-0.061021	0.037078	-0.06279	-0.00716	-0.02179	0.001081	-0.015544	0.012849	-0.049244	0.010801	0.038897	0.036796	0.059599
57	0.046569	-0.025667	-0.033116	-0.047731	-0.007254	0.022453	-0.030299	-0.005362	-0.047325	-0.012304	-0.031756	-0.032068	-0.01164	0.036642
58	-0.002497	0.00175	-0.006302	-0.020009	0.025987	-0.031545	-0.00757	-0.008558	0.034173	-0.014561	-0.04985	-0.032888	-0.021141	-0.051559
59	0.019478	-0.119606	-0.000076	0.038635	0.063566	-0.008252	0.039451	-0.084867	0.120527	0.049102	-0.021812	0.137952	-0.048788	-0.012048
60	-0.027867	0.042475	0.040202	0.002428	-0.039922	0.00184	-0.029677	0.006261	-0.026128	0.016761	0.053641	0.035026	0.04685	0.010476
61	-0.010401	0.029005	0.05377	0.081074	0.003339	-0.048424	-0.045288	-0.036654	0.010883	0.004652	0.094885	-0.038658	0.022834	-0.026038
62	-0.037986	-0.042774	0.004228	0.064681	-0.040354	0.009229	0.018789	0.029184	0.045778	0.06003	0.066852	-0.019624	-0.03336	0.009016
63	-0.016646	0.055785	0.004172	-0.028618	0.01138	-0.06942	0.00135	0.007721	-0.015033	0.008913	0.041754	-0.03436	0.057794	-0.012068
64	-0.02247	-0.040345	0.027992	-0.090554	0.007844	-0.004927	-0.025251	-0.045901	0.00416	-0.016432	0.007422	-0.009523	0.023531	0.03036
65	-0.035208	-0.022178	-0.025163	-0.028321	0.004813	-0.004579	-0.027097	0.011233	-0.025528	0.016265	0.02067	-0.035615	0.027844	0.053115
66	-0.021263	0.016306	-0.052121	-0.016653	0.045557	-0.056628	-0.005709	-0.017579	-0.055538	-0.025872	0.017401	0.082631	0.011928	-0.0064
67	-0.022823	-0.052003	-0.0508	-0.017168	0.01234	-0.085253	-0.052692	0.045797	0.029856	-0.034042	0.108144	0.026158	0.000983	0.015271
68	-0.011292	0.034782	0.050841	0.161149	0.007035	0.050341	-0.039472	0.053431	0.053992	0.105175	-0.003149	-0.137159	0.111098	0.015593
69	0.006956	0.00641	0.010789	0.005925	-0.031618	-0.018356	0.107472	-0.022775	-0.016086	-0.054496	-0.043543	-0.05846	0.003833	-0.07062
70	-0.027227	-0.003418	-0.052101	0.009455	0.030938	0.023291	0.012578	0.04573	-0.065385	-0.025354	0.089846	0.066761	-0.002332	0.009364
71	0.021711	0.003627	0.075069	-0.033504	0.038584	0.014914	0.047436	0.011285	-0.046305	0.006011	-0.004871	-0.035458	-0.004655	-0.034005
72	0.022262	0.02743	0.040499	-0.037565	0.027443	0.011986	-0.045995	0.0718	0.004141	0.01871	-0.004321	-0.005893	-0.024788	-0.046556
73	0.131251	-0.033079	0.006574	0.079655	-0.032109	-0.124887	-0.048421	0.011931	-0.055245	-0.043652	-0.030372	-0.11885	-0.051318	0.050619
74	-0.112192	0.16492	0.055327	-0.073231	-0.006781	0.080409	0.026626	0.04478	-0.023288	-0.129045	-0.01481	0.103789	-0.097355	-0.084203
75	-0.004335	-0.016523	0.03578	-0.007853	-0.004017	0.024289	-0.000691	0.037583	-0.036526	0.003075	-0.001111	0.007408	0.018546	0.006662
76	0.001082	-0.029243	-0.004237	-0.062678	0.043416	0.104992	0.039155	-0.020562	0.001326	-0.055587	0.029217	-0.044653	-0.046207	-0.001016
77	-0.013913	-0.002817	0.034246	0.002427	0.023129	0.021509	0.03431	0.036069	-0.042673	-0.035728	0.027662	0.020536	0.004752	0.005845
78	0.000803	-0.013168	0.022343	0.000829	-0.01706	0.024591	0.001113	0.048995	-0.043754	-0.026064	-0.006184	0.000668	-0.000996	0.024639
79	-0.033168	-0.021381	0.011933	-0.043665	-0.000088	0.02901	-0.032998	-0.071234	-0.068961	-0.000669	0.022539	-0.020505	-0.060876	0.049605
80	0.123248	0.02173	0.147467	0.012027	-0.057993	-0.064044	0.009801	0.027107	-0.178725	-0.029985	0.099996	0.096644	0.130366	-0.043023
81	-0.080191	-0.124281	-0.043376	0.065895	0.154893	-0.023805	0.120196	0.014767	0.088418	-0.02638	0.114322	-0.001164	0.175985	-0.035587
82	-0.043442	0.030728	0.01482	-0.027942	0.011598	0.02289	-0.012866	0.000588	0.032171	-0.014923	-0.008651	0.027084	0.014601	0.053954

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
83	-0.022162	0.027595	-0.009042	-0.011657	-0.003247	0.006077	-0.019077	0.000323	0.017725	0.023277	-0.031192	-0.022215	0.012067	0.030994
84	0.021209	0.012519	-0.031154	-0.027824	0.002605	-0.015849	-0.00886	0.017588	-0.003371	0.003278	0.018226	-0.037248	-0.054854	0.022868
85	0.000811	-0.106493	-0.05775	-0.071656	0.055386	0.064203	0.029927	0.005178	-0.018069	0.011857	-0.000109	0.035247	-0.148131	0.03924
86	0.029772	-0.041954	-0.026639	0.062116	0.079154	-0.011929	0.019178	0.045894	-0.029416	0.001653	-0.050961	-0.005	-0.027794	0.01504
87	0.039111	0.054622	0.048902	0.041755	0.001184	0.032445	0.00437	0.04697	-0.099886	-0.007946	0.052663	0.051881	0.007237	-0.02675
88	-0.033879	0.040754	0.015747	-0.012592	-0.023485	0.000782	-0.004666	0.00544	0.019117	0.003117	-0.037258	0.009682	0.071724	0.027145
89	-0.02294	0.023133	-0.014499	-0.000979	-0.009259	-0.02217	-0.00682	0.001119	0.023491	0.010681	-0.028404	-0.026941	-0.015515	0.044228
90	-0.06819	0.002657	0.014495	0.028084	-0.030635	-0.030477	0.020341	-0.02896	0.010265	0.025582	0.008412	0.008979	-0.048331	0.067454
91	-0.02782	-0.002874	-0.101405	0.01049	-0.003323	0.010945	-0.063627	0.003354	0.022223	-0.031298	0.023629	0.028193	-0.065207	0.007736
92	0.012499	-0.090615	-0.074939	-0.015471	0.073548	-0.101484	-0.122333	0.090199	0.005572	0.020302	-0.026636	-0.131553	0.089601	-0.031478
93	-0.079833	0.01509	0.014922	0.037335	0.041089	0.017883	0.013341	-0.034913	-0.015112	0.001195	0.021086	-0.033135	0.004877	0.045877
94	0.07245	-0.046675	-0.021265	-0.024453	-0.037362	0.031497	0.017018	-0.02516	0.05021	0.093957	-0.052327	0.060399	0.022386	0.039327
95	0.022754	-0.08434	0.010426	0.077924	0.066986	-0.06883	-0.053648	0.01191	0.037624	-0.106567	0.082091	-0.154955	0.015441	-0.124012
96	0.022806	0.025037	-0.01375	-0.10577	0.092071	0.119415	0.026978	0.032618	-0.010718	0.021609	0.099678	0.078798	0.014643	-0.130519
97	0.076049	0.063426	0.023221	0.025771	0.043643	0.027696	-0.041252	-0.028887	-0.053756	0.017646	0.03826	0.02406	0.016681	-0.000852
98	0.024003	0.02542	0.040758	-0.019808	-0.018131	-0.022141	0.020112	-0.023989	-0.019975	0.010098	0.021588	-0.003542	0.016077	0.016736
99	0.056931	0.012762	-0.037521	-0.06982	-0.013677	-0.012783	-0.002634	0.008823	-0.038986	-0.022184	0.0342	-0.012964	0.046652	0.032818
100	-0.009406	0.037088	0.009218	-0.048179	-0.010762	0.061893	0.049482	-0.00829	0.016943	0.003252	0.018927	-0.017368	-0.019525	0.050678
101	0.021594	0.023672	0.049025	-0.006576	0.005735	-0.020684	0.005403	-0.008427	-0.006807	-0.029307	0.027931	-0.01897	0.004042	0.045049
102	0.027479	-0.023186	0.096452	0.016426	0.062977	-0.056046	-0.054992	0.003113	0.026232	-0.044873	-0.007914	-0.018017	-0.01307	-0.001509
103	0.013633	0.035937	0.138102	0.090776	-0.00083	0.031638	-0.133186	0.040765	0.119055	-0.02776	-0.039219	-0.055191	0.048574	0.011008
104	-0.022359	-0.014981	0.035874	-0.027168	-0.095458	-0.031972	0.035274	0.14662	0.079106	-0.024645	0.024352	-0.002017	-0.030011	-0.061533
105	0.094505	-0.062514	0.056626	0.034445	0.00891	0.068846	-0.063305	-0.023982	-0.167677	0.106612	-0.082432	-0.044242	-0.006969	0.147769
106	-0.05214	0.003947	-0.023864	-0.087642	0.016482	-0.077619	0.060265	0.080421	-0.051756	-0.031082	-0.043269	0.049275	0.011396	0.068054
107	0.055122	0.022295	-0.029034	-0.026171	0.046412	0.035738	0.130713	0.009279	-0.069859	-0.04415	0.015911	0.027161	0.095519	0.065032
108	0.075624	0.034713	0.100699	0.086678	0.006672	0.048666	0.003829	-0.087876	0.029259	-0.119554	0.022968	-0.037796	-0.01747	-0.068147
109	0.024483	-0.122809	0.125682	0.086211	-0.124911	0.091867	0.007984	0.191088	-0.018089	0.012328	-0.141907	-0.030745	-0.015488	-0.072239
110	0.187612	0.215095	0.050954	-0.15648	0.047854	0.059774	-0.134412	0.025888	-0.01659	-0.029472	-0.008506	-0.067067	-0.089014	0.010056
111	0.068181	-0.015726	0.066744	-0.090905	0.057488	-0.088986	0.070289	0.011942	-0.072285	-0.144921	0.138305	0.035053	-0.070297	-0.105132
112	0.058855	-0.027547	0.131653	-0.024186	0.01708	-0.074101	0.119194	-0.042153	0.027983	-0.135268	0.044923	-0.098583	-0.021315	-0.041171
113	0.062122	-0.085141	-0.004268	-0.050382	-0.059399	-0.105675	-0.018183	-0.070306	-0.002554	0.017493	-0.114752	-0.025233	0.033287	0.08698
114	-0.117005	-0.001643	-0.091291	0.078717	-0.071444	0.047111	-0.0663	-0.061239	-0.004597	-0.009791	0.022927	-0.077314	0.026139	-0.082388
115	-0.073674	0.080921	-0.115285	-0.038713	-0.015749	0.05596	0.005248	-0.015434	-0.050979	0.000073	-0.004954	0.00118	-0.119398	0.159256
116	0.051776	0.006777	0.019266	-0.044124	0.053391	0.043857	0.061354	0.014824	0.077331	-0.216242	-0.027457	-0.019383	0.001591	0.136983
117	0.010485	-0.016294	-0.005221	-0.043977	0.020803	0.0337	0.032428	-0.003631	0.039781	0.066355	0.009052	0.014684	0.055757	0.060193
118	-0.043512	-0.007461	0.0213	-0.045969	-0.00612	0.059385	0.037779	-0.037037	-0.024201	0.018633	0.052084	0.024791	0.086694	0.01842
119	0.012931	0.018954	-0.007336	-0.022974	0.022044	0.068666	0.03272	0.016556	-0.041627	-0.067794	0.031207	0.016041	0.048904	-0.057075
120	-0.008486	-0.093443	-0.032968	-0.001693	-0.016372	0.025489	0.031472	0.038164	0.026697	0.032782	-0.051268	0.050684	0.011818	0.064681
121	0.03019	-0.05982	0.019301	-0.067161	-0.028255	0.050841	0.015189	0.035949	0.039284	0.067577	-0.068905	0.057023	0.036677	0.077641
122	0.022015	-0.079313	-0.02312	0.012099	0.057484	-0.041711	0.088546	-0.077873	0.072982	0.006064	-0.008101	0.00652	0.072064	0.006645
123	0.006656	-0.086379	-0.013599	0.027167	0.101336	0.032906	0.077586	-0.081316	0.065938	0.026355	0.010895	0.01882	0.016273	0.054219

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
124	0.028247	-0.014285	-0.011514	0.003919	-0.010052	-0.01543	0.045274	0.007374	0.019044	-0.066226	0.053814	-0.002549	0.008788	0.007476
125	-0.008747	0.033652	0.024965	0.023786	-0.030535	-0.017736	-0.040558	0.016511	-0.002459	0.039291	-0.028952	-0.022024	-0.004603	-0.031686
126	0.002277	-0.023823	0.027397	0.015792	-0.009222	0.006156	0.014259	-0.018874	0.006798	0.019305	-0.024973	0.051058	0.035683	0.026822
127	0.046344	-0.000115	0.036585	0.000731	-0.016837	0.008067	0.031548	-0.018963	0.027139	0.016385	0.018826	0.0511	0.023617	0.02787
128	0.044616	0.041169	-0.020123	-0.006607	-0.063626	0.094387	-0.054081	-0.020153	-0.038242	0.042794	0.054341	0.058995	0.065453	-0.007331
129	-0.081825	0.077399	0.1099	0.052643	0.223655	-0.170637	0.086469	0.018953	0.00526	0.081983	-0.076008	0.093433	-0.147122	0.057783
130	-0.117665	-0.209752	-0.075875	0.04531	-0.06216	0.014533	-0.120166	-0.003783	-0.128965	-0.077552	-0.077902	0.030602	-0.034292	0.003623
131	0.024647	0.085778	0.209598	0.024147	-0.000382	0.065473	-0.027795	-0.061061	-0.105564	-0.033659	-0.094566	-0.026265	0.021673	0.016828
132	0.002429	0.074579	0.056502	0.008736	-0.03873	0.026449	-0.011771	-0.089435	0.012291	0.014368	0.024246	-0.077814	-0.043632	-0.086927
133	0.120211	0.035786	-0.004034	-0.025598	0.013608	-0.021113	-0.055679	-0.047299	-0.010458	0.067393	-0.030522	0.02876	0.020969	-0.013276
134	0.092442	0.09829	-0.005176	-0.024859	0.115187	-0.053732	-0.114566	0.05828	0.172891	-0.126745	-0.006872	0.057622	-0.047195	-0.045328
135	0.027091	-0.016186	-0.010658	-0.013096	-0.029992	0.009019	-0.026569	-0.020359	-0.006287	-0.019947	0.0248	-0.008676	0.026603	-0.047108
136	0.041495	0.061785	-0.06362	-0.00462	0.014795	0.064454	-0.075986	0.089202	0.028038	0.032661	0.012594	-0.00904	-0.027995	0.032647
137	-0.002078	0.022366	0.025231	-0.042996	-0.108986	-0.022414	-0.025873	0.005426	-0.054165	0.020407	-0.001321	0.017275	-0.030714	0.038977
138	0.052242	0.014756	-0.096696	0.03428	0.102252	0.109755	-0.031812	-0.039971	0.034715	0.049573	-0.013884	-0.006283	0.140456	-0.110262
139	-0.049198	-0.046946	0.094442	0.008887	-0.070321	0.050521	-0.113526	0.015842	0.050602	-0.159901	-0.026045	0.030441	-0.070146	0.014952
140	-0.015579	0.126446	-0.073297	0.061443	0.014175	0.04567	-0.026558	-0.023619	-0.052391	-0.060145	0.043593	-0.058515	-0.177388	-0.062749
141	0.04937	-0.013763	-0.05573	0.026655	0.068101	0.045654	-0.019206	-0.003581	-0.01533	0.021685	-0.010469	-0.070215	0.116331	-0.109569
142	0.010152	-0.059341	0.022336	0.063513	0.031061	0.007212	-0.036292	-0.024362	0.008829	0.015753	-0.06381	-0.07029	-0.020212	-0.02412
143	0.057651	-0.084155	-0.080905	-0.035293	0.092585	-0.003243	0.01254	-0.097093	0.058905	-0.030411	-0.058907	-0.090715	0.034589	-0.028594
144	0.034865	-0.013554	-0.039433	0.046555	0.102761	-0.064044	0.008081	-0.012806	-0.038014	-0.056933	0.002197	-0.00033	0.083907	-0.006596
145	0.058968	0.037438	-0.024146	0.040396	0.030521	-0.032989	-0.05592	-0.062952	0.016471	0.056214	0.059047	0.039465	0.093459	-0.000989
146	0.021986	0.025609	-0.019097	0.018048	-0.01811	0.005224	-0.037926	-0.020884	0.0365	-0.0135	-0.004568	0.028957	-0.033618	0.001496
147	-0.044901	0.03484	0.027649	-0.042233	0.03111	-0.070939	0.055851	-0.03623	0.037286	0.043754	-0.079071	-0.005937	-0.014802	0.036152
148	0.046738	0.097436	-0.099867	0.179459	-0.036233	0.004665	-0.026415	-0.132382	-0.147368	-0.183688	0.16303	0.010507	-0.048747	0.14408
149	0.026677	-0.004747	-0.022924	-0.074454	-0.054363	0.057956	0.039797	0.036269	-0.053	0.023908	0.077913	-0.007191	0.088085	0.033975
150	-0.06136	-0.071361	0.014745	0.027404	-0.083556	0.002839	-0.034029	-0.013645	0.12613	-0.118208	-0.099991	-0.138397	0.036343	0.131195
151	-0.094002	0.06289	-0.096984	-0.039827	-0.001931	0.010282	-0.076639	-0.062038	0.114295	-0.121647	0.026992	0.06543	0.033748	0.008881
152	0.05102	0.038391	0.018251	-0.035055	0.007841	-0.04057	0.016846	0.041273	-0.029187	-0.047118	0.044718	-0.048455	-0.021809	-0.005039
153	0.047904	0.000406	-0.012541	-0.017192	-0.028646	0.020847	0.050113	0.011414	-0.007802	-0.05758	-0.036754	0.018072	-0.069136	0.025659
154	0.025364	-0.041706	0.044366	0.027433	-0.013549	0.012101	-0.056987	0.034599	-0.0312	0.014041	0.001614	-0.069041	-0.070884	0.000414
155	0.020965	-0.036798	0.026059	0.066517	-0.02724	-0.0193	0.016017	0.077561	-0.003172	0.016172	0.060758	-0.038343	-0.024431	0.001584
156	0.02262	0.011422	0.029758	-0.02702	0.002817	0.038281	0.047026	0.049423	0.106879	-0.058545	-0.179992	-0.025674	0.041401	-0.104343
157	-0.074654	-0.023875	-0.054309	-0.030871	-0.009974	-0.012318	-0.038583	-0.028359	-0.020753	0.036032	0.040772	-0.031579	-0.046693	0.04299
158	0.201278	-0.120355	0.000783	0.049337	0.020012	-0.02415	-0.086904	0.159396	-0.055698	0.088064	0.104511	0.063575	-0.114637	0.015346
159	0.074441	-0.024436	-0.021322	-0.049018	-0.078618	-0.022337	-0.053567	0.193519	0.128974	0.009653	0.086213	-0.00388	0.041973	0.213481
160	0.075659	-0.170628	0.020781	-0.167803	0.132489	-0.039079	-0.050472	0.079567	-0.021223	0.046127	-0.066545	0.14318	-0.084618	-0.133484
161	0.053739	-0.008718	-0.026322	0.07787	0.002451	-0.02014	0.136974	-0.006198	0.008803	-0.041028	0.060665	0.067077	-0.120492	0.024239
162	-0.043606	0.080289	0.100897	-0.067098	0.050308	-0.024875	-0.017199	-0.013932	-0.009363	-0.019176	0.080994	-0.116117	0.072296	-0.111896
163	0.106316	0.040669	0.051032	-0.053065	-0.04537	-0.029136	0.09146	0.000788	0.011608	0.039699	0.009019	-0.113344	0.003374	-0.053618
164	-0.01104	0.039311	0.032541	0.049563	-0.064107	0.047846	-0.093887	-0.00615	-0.030941	0.07581	0.07732	-0.053317	0.108391	-0.002365

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
165	0.021723	-0.031525	-0.011608	0.054347	0.019181	-0.009301	0.064143	-0.022145	-0.096874	0.124947	0.15226	0.063428	0.133026	0.029762
166	0.019856	-0.084709	-0.029433	0.121794	0.002074	-0.019745	-0.07144	0.004797	-0.015139	-0.054272	-0.079758	0.033548	0.034725	-0.099392
167	0.056047	-0.018699	-0.043785	0.016768	-0.072803	-0.073398	0.049079	0.00194	-0.060679	-0.054787	-0.073566	0.063407	0.122353	-0.010431
168	-0.009529	0.045967	-0.192872	0.000839	0.037947	0.16125	0.027167	-0.050601	-0.069898	0.126829	-0.13754	0.152222	-0.095906	0.002532
169	-0.025432	-0.047501	0.009172	-0.047624	0.022576	-0.01145	0.029843	0.063362	-0.008296	-0.027803	-0.024056	-0.060615	0.008456	-0.000064
170	-0.049823	-0.04775	0.002583	-0.032304	0.04748	0.008039	0.043662	0.090807	-0.010931	-0.034445	-0.006918	-0.043937	0.041239	0.012777
171	0.013952	-0.032362	-0.047489	-0.034991	0.053543	0.055561	0.045942	0.063709	-0.005035	-0.039866	-0.066442	-0.032763	-0.0116	0.013402
172	-0.02465	-0.048346	-0.017095	0.006348	-0.023778	0.016395	-0.016897	0.016493	0.022259	-0.040918	0.023933	0.014284	-0.015356	0.006361
173	-0.012143	-0.02453	0.023767	0.008955	-0.01287	-0.020459	-0.017685	0.004351	-0.011809	0.026659	0.035066	0.073526	-0.01798	0.021004
174	0.00848	0.003081	-0.027192	0.009541	-0.03965	-0.048944	-0.011597	-0.026791	-0.021026	0.00837	-0.0042	0.084078	-0.038452	0.008255
175	-0.099291	-0.085585	-0.007079	-0.01733	-0.054277	-0.109664	0.006224	-0.091639	-0.00088	-0.009493	-0.006148	0.117325	-0.007755	0.058796
176	0.014176	-0.054421	-0.057833	-0.070265	0.005553	-0.009335	0.039115	-0.002362	-0.047762	-0.054164	-0.004756	0.031591	-0.013227	0.05007
177	0.020932	-0.013196	-0.14624	0.030663	-0.121643	-0.1034	0.011451	0.220552	0.023739	-0.076558	0.065968	-0.0713	0.056766	0.048987
178	-0.011026	0.052579	0.038671	-0.010624	-0.023002	-0.081188	0.009645	0.009402	-0.041354	-0.01213	0.04145	-0.006356	0.032252	0.051811
179	0.018622	0.019728	-0.036045	-0.011925	0.012965	0.023922	0.022197	-0.016976	-0.040444	0.006376	-0.052162	-0.012027	0.023349	-0.002272
180	-0.004798	0.028113	0.020063	-0.006347	0.013659	-0.031258	0.001121	0.003396	-0.054672	-0.011976	-0.01718	-0.014551	0.043412	0.001986
181	0.006342	0.030239	0.010146	-0.021032	-0.006483	-0.030637	0.022667	0.001319	-0.033499	-0.018235	-0.025665	-0.023286	0.0364	0.004261
182	-0.017368	0.011178	-0.040331	-0.016924	-0.01202	0.006826	0.043672	-0.006468	-0.040501	-0.032401	-0.02125	-0.016909	0.030456	0.002218
183	0.023174	0.010291	-0.056346	-0.031591	0.027865	0.11565	0.054813	-0.013354	0.001188	-0.029409	-0.072921	-0.013704	-0.009136	-0.005109
184	0.044133	0.02466	-0.057758	0.008618	0.051218	0.054878	0.01185	-0.01983	0.036825	-0.009518	-0.049772	0.012934	-0.077404	-0.02844
185	0.027309	-0.0133	-0.046993	-0.00673	-0.073895	0.013848	0.017455	-0.081685	0.044315	-0.044948	0.096137	-0.1356	0.075768	-0.023138
186	-0.123537	-0.030795	-0.106298	0.065267	0.010883	0.126424	0.004826	0.078372	0.021611	-0.070422	-0.016633	-0.028478	-0.123514	-0.071129
187	-0.045346	0.033071	0.030893	0.044358	0.035297	-0.003103	-0.055673	0.039097	0.01249	0.018567	0.026432	0.027925	0.012017	-0.031117
188	-0.00407	0.035674	0.020002	0.028021	0.021034	-0.007646	-0.041093	0.00272	-0.004747	-0.001214	0.016813	0.030319	0.010593	-0.028134
189	-0.009894	0.005677	0.046075	0.042056	0.039922	-0.005707	-0.015427	-0.057446	0.010372	0.012535	-0.041868	0.027007	-0.047319	0.012163
190	-0.019051	-0.001862	-0.024142	-0.021563	0.037906	0.051537	-0.016801	-0.037141	0.023526	-0.006496	-0.029832	0.061782	-0.011851	0.019977
191	-0.039596	0.01269	-0.026601	0.024844	0.097822	0.070817	-0.026445	0.055895	-0.005616	0.001334	-0.01548	0.002147	-0.083746	-0.040993
192	0.045963	-0.036202	-0.094154	-0.03127	0.046978	0.026073	0.00668	0.009455	-0.004284	-0.088373	-0.051952	0.086628	0.042455	-0.071416
193	0.035068	-0.052668	-0.028468	0.012518	0.067405	0.061884	-0.029346	-0.022582	-0.003968	-0.024006	0.012245	0.080693	0.025036	-0.043805
194	0.009614	-0.042097	0.000731	0.004264	0.156044	0.025972	-0.092725	-0.055753	0.006143	-0.001594	-0.014005	0.00142	0.032573	0.007579
195	0.008308	-0.030452	0.028681	0.071698	0.018553	0.049989	0.031831	-0.038692	-0.009369	-0.052674	0.019586	0.011385	-0.091222	-0.076114
196	0.003984	-0.001365	-0.017266	0.017729	-0.041393	-0.010588	0.00265	-0.060753	0.051899	-0.07175	0.019708	0.020403	-0.082573	-0.002293
197	-0.043754	-0.008612	-0.056404	-0.033889	0.009086	0.053435	-0.002957	-0.003418	0.044841	0.049168	0.067473	0.058909	-0.01016	-0.03484
198	-0.054003	-0.036482	-0.006233	0.078135	0.018022	0.018019	0.059147	0.001614	0.008175	-0.071832	0.06607	0.046661	0.007954	0.075993
199	-0.111381	0.119215	0.008208	-0.006018	-0.024185	-0.064257	-0.009451	0.020522	-0.058438	0.223873	-0.178539	-0.026193	-0.013466	0.145393
200	0.007373	0.021155	0.077871	0.079093	-0.065503	0.04582	-0.028411	0.030245	0.003175	0.03997	0.026514	0.065245	0.04828	-0.037808
201	0.115128	-0.037873	0.150069	-0.039756	0.008415	-0.031675	0.17065	-0.009615	-0.128935	-0.124357	0.030279	0.022541	-0.071561	-0.066006
202	-0.013489	-0.044456	-0.013454	0.056742	0.033734	-0.017542	0.016116	0.013999	0.048786	0.022143	0.030938	0.126635	0.005583	-0.002651
203	-0.14007	0.070666	0.003168	-0.008408	0.10116	0.021346	0.033417	-0.002998	-0.0958	0.028879	-0.085686	-0.016361	0.030277	0.089038
204	-0.101952	0.013508	0.003537	-0.008758	-0.022068	-0.071548	-0.034191	-0.047859	0.139753	-0.001873	0.027132	0.01681	-0.022191	-0.056252
205	0.017488	-0.088611	0.175125	-0.063245	0.043503	0.086559	-0.077004	-0.153274	0.025371	-0.106716	-0.114674	0.084008	-0.09248	-0.017213

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
206	0.06879	0.015625	0.045358	0.086451	-0.032197	0.1002	-0.015378	-0.134131	0.066266	-0.110037	-0.10165	0.035693	-0.10226	0.040782
207	-0.039737	-0.032705	-0.017839	-0.243799	-0.223648	0.054937	0.054788	-0.014393	0.078246	-0.026239	0.023083	-0.01307	0.122449	-0.018458
208	-0.119076	0.010683	0.02256	-0.065381	0.044923	0.039647	-0.012099	0.07745	-0.047251	-0.076664	0.008041	-0.029353	-0.050426	-0.073174
209	0.143162	0.027256	-0.121844	-0.197796	0.072141	-0.09384	-0.206954	-0.058865	0.150849	-0.014273	-0.050752	-0.069501	0.014636	-0.002045
210	-0.013778	0.07848	-0.071809	-0.001687	-0.037698	-0.10674	-0.008356	0.189018	0.118644	0.00525	0.070201	0.087013	0.031671	0.022077
211	0.061068	-0.036301	0.038239	0.011798	-0.032998	0.01061	-0.076064	0.108469	0.015979	-0.031844	0.094585	0.173415	0.035207	0.041115
212	0.017	0.020951	0.161231	0.108521	-0.041313	0.205817	0.244904	0.143994	0.235301	0.05847	-0.008512	-0.046768	0.096204	0.122455
213	0.078042	0.177937	-0.133183	0.168773	0.105801	-0.21411	0.231233	0.110813	-0.03587	-0.058299	-0.097638	-0.142155	-0.01503	0.05527
214	0.01951	0.021304	-0.012657	-0.001538	0.006264	0.046963	0.015312	0.009665	0.022636	0.023515	-0.012327	-0.002298	-0.057096	0.015497
215	-0.01482	-0.038482	-0.017028	0.004009	0.023718	-0.012125	-0.015833	0.010504	-0.078715	0.051173	0.03291	-0.027155	0.003362	-0.022902
216	-0.018437	0.017794	-0.01218	-0.02092	0.039252	0.007083	0.020624	0.003381	-0.100567	0.013362	0.000136	0.005677	0.035703	0.033444
217	-0.101412	0.087648	0.068217	-0.052081	0.081269	0.05251	0.000389	-0.006921	-0.035752	-0.024206	-0.004238	-0.091377	0.047242	0.017839
218	-0.021103	-0.011199	0.003039	-0.013012	-0.026546	0.017248	0.003791	-0.033718	-0.002964	-0.028149	0.031248	-0.029753	-0.064165	0.014444
219	-0.044705	-0.024531	0.019057	0.026637	0.028999	-0.028779	0.007009	0.005897	0.021954	-0.012564	0.031081	-0.082831	-0.040801	0.031197
220	-0.084264	0.027425	0.06307	-0.040531	0.01597	0.037732	-0.028581	0.000376	0.056711	-0.016753	0.046875	-0.056836	-0.023972	0.028411
221	0.008029	-0.078721	0.013408	-0.062755	-0.032507	0.013231	-0.029765	-0.044198	-0.037589	-0.008585	0.011394	-0.061793	-0.032959	-0.003932
222	0.061754	0.001994	0.010097	-0.021848	0.047169	-0.001065	-0.013894	-0.016132	0.006691	-0.016326	0.015562	0.025485	-0.021516	-0.000235
223	0.054606	-0.045245	0.04862	0.005832	0.050229	0.019775	0.008239	-0.01312	0.018865	0.002502	-0.003398	0.040272	-0.067253	0.068857
224	0.033366	-0.049476	-0.036553	0.005227	0.002555	-0.064798	-0.037776	0.092488	-0.074931	-0.035736	-0.006017	0.030388	0.052844	-0.049251
225	0.035895	-0.066009	-0.028717	0.004358	0.029655	-0.042674	-0.015316	0.085649	-0.081625	-0.010938	-0.027435	0.008682	0.031672	-0.035616
226	0.02088	-0.025079	-0.004455	0.066349	0.018952	-0.030569	0.032107	-0.026116	0.054343	0.02864	0.01069	-0.009666	-0.026629	-0.053549
227	0.010372	0.007879	-0.006761	0.058915	-0.042641	-0.095453	-0.065653	0.0231	0.015126	-0.035959	-0.055583	-0.050051	0.01186	-0.012279
228	-0.00282	-0.018658	0.00436	0.033106	0.011541	-0.047538	-0.025934	0.021747	-0.008568	0.135772	0.026285	0.021393	-0.055967	-0.025122
229	0.049745	0.056128	-0.003786	0.011014	-0.01609	0.049547	0.013229	0.03698	-0.089332	0.030494	-0.028558	-0.057311	0.012786	-0.055598
230	0.037429	0.038257	-0.001331	0.027645	-0.076648	-0.010815	-0.06628	0.004674	-0.044708	0.044333	-0.020332	0.107115	0.015426	-0.012178
231	0.025923	0.003058	-0.023773	0.023293	-0.039007	-0.034384	-0.0263	-0.014836	0.044413	0.0083	-0.02168	0.02618	0.035307	-0.087209
232	0.123426	0.068588	-0.013864	0.050108	-0.031553	-0.045493	-0.025791	-0.01538	-0.071406	0.067991	0.118863	0.052824	-0.07636	0.002918
233	0.05013	0.056976	0.005739	0.030071	-0.088568	-0.000501	0.040275	0.067468	-0.067735	-0.001623	-0.042626	-0.008881	-0.072054	-0.012163
234	-0.032913	-0.005492	0.000538	0.036088	-0.08064	-0.003313	-0.033529	0.012009	0.030255	0.101359	0.034479	0.001316	-0.024036	-0.096148
235	-0.052774	-0.063323	-0.014758	0.044376	-0.027811	-0.027523	-0.048758	0.021921	0.042253	0.083904	0.012511	0.006186	0.044141	-0.052008
236	-0.015473	0.00148	-0.00213	0.007029	-0.008766	-0.051203	-0.051123	-0.066685	-0.039637	-0.057645	-0.009963	0.024265	0.055647	-0.022039
237	-0.017845	-0.020264	0.018001	0.011419	0.019031	-0.026909	-0.004436	0.041109	-0.024995	0.000527	0.01546	-0.061525	0.012139	0.012682
238	0.005157	-0.005826	0.030495	0.039431	0.024625	0.002285	-0.03827	0.04393	0.035776	0.018205	0.017163	-0.008196	-0.037098	-0.024055
239	0.030991	0.006847	0.017698	0.021603	-0.003084	-0.030256	0.02161	0.026301	0.032484	0.019041	-0.003966	0.027505	-0.057162	-0.016839
240	-0.07038	0.074806	-0.014864	-0.041536	0.000682	-0.038678	0.027984	-0.049887	-0.035053	-0.033026	-0.020921	0.071892	0.077391	-0.077447
241	-0.018911	0.100512	-0.067754	-0.011563	-0.061482	-0.029989	0.062378	-0.007391	-0.046913	-0.029727	-0.046648	0.071393	0.016014	-0.034376
242	-0.003669	-0.08134	0.055871	0.021179	-0.003248	0.009093	-0.025834	-0.015782	-0.071995	-0.028704	-0.057637	0.029372	-0.023199	0.018554
243	-0.011757	-0.091479	0.029199	0.062979	-0.023819	0.009357	0.021808	0.051002	0.021357	0.001968	-0.015282	-0.086847	-0.076824	0.010052
244	0.009147	-0.02365	-0.019065	-0.046365	0.019038	0.024997	-0.021278	0.003131	-0.036187	-0.027374	-0.046928	0.005121	-0.026193	0.03018
245	0.035485	0.059659	-0.069534	-0.071898	-0.028853	-0.007064	0.013839	0.010977	-0.059679	-0.06437	-0.123683	-0.017731	0.042172	-0.070197
246	-0.025646	0.012933	0.045114	-0.011107	-0.045204	-0.015059	-0.030128	0.011784	-0.028711	0.057762	0.028328	-0.02798	0.00258	-0.030954

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
247	-0.01484	-0.013174	0.04008	0.005807	-0.017312	-0.057418	-0.016725	-0.034204	-0.007994	0.04008	0.003763	0.00472	0.002314	0.033208
248	0.005346	0.004559	0.032372	0.040568	-0.01723	-0.063371	-0.040231	-0.077419	0.041916	0.02694	0.037366	0.000417	0.002697	-0.006675
249	-0.003767	0.115556	-0.014927	0.019216	0.021589	-0.031927	0.045127	-0.06934	0.00631	-0.053095	0.061586	0.069062	0.066633	-0.065212
250	-0.099748	0.052803	-0.025286	-0.026855	0.004033	-0.016326	0.016968	-0.030063	0.000322	0.001791	0.022588	0.086708	0.043916	-0.062226
251	-0.126775	0.022055	-0.02337	-0.024076	-0.019348	-0.007815	-0.010429	-0.011162	0.014115	0.012167	-0.020285	0.040988	0.019012	-0.047915
252	0.020982	0.057277	-0.083482	-0.017799	-0.106585	-0.003932	0.049245	-0.03737	-0.011762	-0.054107	-0.086372	-0.025691	-0.00714	-0.001369
253	0.086629	0.018944	-0.027645	0.008593	0.04089	0.076834	0.035018	-0.038123	-0.016362	-0.00887	0.030247	-0.094835	-0.030333	0.009667
254	0.002081	-0.021074	-0.002994	-0.000059	0.057227	0.00768	0.015172	0.010712	-0.003825	-0.036333	0.004753	0.035285	-0.025308	0.088866
255	-0.050551	-0.025313	-0.021065	-0.031803	0.011393	0.020298	-0.047873	0.017712	-0.044526	0.012887	0.009816	-0.019025	0.016518	0.058697
256	0.04206	0.052223	-0.109669	-0.042157	-0.037166	0.068809	0.002851	0.018853	-0.114009	-0.009917	0.03136	-0.078075	0.041693	-0.08718
257	-0.003877	0.025515	-0.028653	-0.039198	0.016445	0.05018	-0.009689	-0.023606	0.014581	-0.018142	0.04781	0.00524	0.030181	-0.019145
258	0.004749	0.042733	-0.001588	-0.025262	-0.002348	-0.047077	-0.021349	-0.005726	-0.026672	0.004166	-0.028366	-0.002061	0.043473	0.035676
259	-0.04029	0.008059	0.024109	0.010551	0.019367	-0.018105	0.021927	-0.022408	0.00669	-0.032739	0.014136	0.054513	0.033479	-0.012073
260	-0.020855	0.023183	-0.039977	-0.000196	-0.067646	-0.049292	0.040777	-0.01984	0.01891	-0.03647	-0.107127	0.026938	0.016669	0.056544
261	-0.032253	0.031546	0.00674	0.018464	-0.040153	-0.01405	0.027167	-0.045051	0.020239	0.005186	-0.062639	0.009036	-0.005816	-0.010844
262	0.04962	0.014614	0.034732	-0.002586	-0.007834	-0.033047	-0.022145	-0.048064	0.009179	0.008097	0.003395	0.06817	0.020518	0.015877
263	0.018528	0.020594	0.008769	-0.003744	0.003137	-0.011099	-0.013103	-0.056818	0.022524	-0.023785	0.012986	0.058287	0.020535	0.004741
264	0.018543	0.028406	-0.052445	-0.001676	0.033265	0.003178	0.0172	0.010057	0.027261	-0.031933	0.016009	0.010301	0.031176	0.029499
265	0.003845	0.015905	-0.009669	0.062469	0.069014	0.062729	0.028041	0.002082	-0.00231	0.026741	0.005303	-0.004045	-0.076006	0.022422
266	-0.010596	-0.000191	0.038888	0.052845	0.062157	0.079958	0.022105	0.017357	-0.014741	0.039382	-0.028729	0.002712	-0.077913	-0.014226
267	0.10473	0.044105	-0.054638	-0.003618	0.017021	0.012062	0.080059	-0.041993	-0.030004	0.0173	0.052427	0.002935	-0.074291	-0.021233
268	0.033461	-0.023597	-0.028309	0.038436	0.010357	-0.018511	0.052948	-0.024866	0.026214	0.012777	0.028551	0.016209	-0.009741	-0.007065
269	0.030006	-0.036437	-0.034248	0.064287	0.026114	-0.013758	0.019572	-0.020435	0.049347	0.022539	0.046287	-0.016832	-0.000747	-0.01565
270	-0.009546	0.017324	-0.025682	0.060379	0.015018	-0.045791	-0.011875	-0.038102	0.069336	-0.003644	0.013362	-0.005875	-0.015656	0.018841
271	-0.006478	0.031042	-0.140675	-0.011543	0.164865	0.031231	0.086717	0.018034	0.003565	-0.010661	-0.080203	0.014374	0.051555	0.047445
272	0.044546	0.014984	-0.003309	0.028743	0.012299	0.03966	0.0432	-0.035026	-0.028669	0.047567	-0.001399	0.001057	0.024012	-0.032214
273	-0.020849	0.019549	0.010739	0.051236	-0.072675	-0.004989	-0.01142	-0.029471	0.039335	-0.016521	-0.013283	0.070361	-0.011078	0.015193
274	-0.02639	0.021585	0.013281	0.066202	-0.069035	-0.004906	-0.020789	-0.026647	0.037062	-0.019078	-0.018486	0.057697	-0.002677	0.01131
275	-0.034847	0.079754	0.039799	0.062121	-0.087721	-0.049507	-0.073553	-0.052921	0.031484	-0.01034	-0.057419	0.088207	0.006018	0.061367
276	-0.001012	0.008544	-0.015977	0.007538	-0.007877	-0.032096	-0.040558	-0.076779	-0.046141	-0.059065	-0.011552	0.042717	0.055616	-0.033679
277	0.021474	-0.027403	0.031173	-0.002327	-0.020279	-0.011248	0.055838	-0.000592	-0.037003	-0.012074	-0.027681	0.033856	-0.004003	0.017602
278	0.049487	-0.004924	0.018538	-0.009011	-0.029427	-0.014893	0.056003	0.000493	-0.010827	0.006238	-0.04228	0.063378	-0.011393	-0.006043
279	0.036066	-0.007528	-0.016692	0.035924	0.001455	-0.021087	0.002651	0.009232	0.071907	0.033358	-0.011473	0.056619	-0.054207	-0.017941
280	0.037741	-0.109893	0.023954	0.019129	0.008097	0.079985	0.036128	0.060775	-0.055655	-0.036045	0.006375	-0.057639	-0.089455	0.001997
281	-0.013063	0.002636	0.084526	-0.018327	-0.025019	-0.026906	0.027773	0.046599	0.02567	0.066247	-0.061101	0.021506	0.002029	-0.002914
282	0.034121	0.017543	0.023938	-0.045204	-0.055084	-0.006092	0.004521	0.04416	0.060845	0.050014	-0.062887	0.045979	0.009917	0.00333
283	0.00159	-0.037585	0.025184	0.065723	-0.041056	-0.064235	-0.016628	-0.038476	0.071393	0.021112	-0.036283	0.03137	-0.02055	-0.003464
284	0.001777	-0.002963	-0.040046	-0.027154	-0.004822	0.066941	-0.015575	-0.017035	0.023899	-0.016392	0.031154	0.010967	0.034046	-0.020965
285	-0.007609	0.010961	-0.04096	-0.022471	0.000258	0.060592	-0.016809	-0.005409	0.036933	-0.01025	0.037369	0.024258	0.020281	0.000103
286	0.026874	0.054367	-0.018516	-0.042184	0.000776	0.007904	0.012593	0.061033	-0.00255	-0.013724	-0.050408	-0.014417	0.050654	0.066343
287	0.040659	0.047378	-0.036474	-0.028463	-0.007785	-0.003117	-0.002967	0.051838	0.021853	-0.013034	-0.049807	0.018499	0.030873	0.063452

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
288	0.003939	0.033474	0.001172	-0.038607	-0.00578	-0.081137	-0.061347	-0.001459	-0.024737	0.060639	-0.044944	0.018439	0.039576	0.034139
289	-0.017699	0.027685	0.034499	0.007219	0.031682	-0.018506	-0.030987	-0.025776	-0.012813	0.010563	0.018367	0.070102	0.009774	0.01626
290	-0.014315	-0.068724	0.029737	-0.031901	0.04751	-0.049881	0.017062	0.037667	-0.016972	-0.004826	0.079157	-0.001232	0.000882	0.01304
291	-0.015519	-0.070573	0.025265	-0.040011	0.043165	-0.048795	0.020466	0.033169	-0.017402	-0.009531	0.082028	-0.000696	0.00162	0.007882
292	-0.022054	-0.068097	0.01942	-0.029898	0.049915	-0.035568	-0.006414	0.031738	0.015804	0.022662	0.086185	0.024272	-0.019614	-0.001717
293	0.053237	-0.011183	0.027014	-0.011249	-0.007222	-0.008555	0.016133	0.006074	-0.121073	0.045508	-0.01862	-0.047976	0.097277	0.022768
294	-0.005444	0.012094	0.038294	-0.000114	-0.02988	-0.043168	-0.001579	0.024432	0.004546	0.01303	-0.04118	-0.016121	-0.051352	-0.026048
295	0.00162	0.006601	0.034857	0.01891	-0.073573	0.035901	0.01492	0.009488	-0.039393	-0.003772	-0.034538	0.026039	0.007322	-0.021231
296	-0.035522	0.023759	0.045242	0.009563	-0.03282	-0.051944	0.021367	-0.039159	-0.02108	0.03058	-0.08569	0.031795	-0.095786	0.046422
297	0.007132	0.026521	0.023683	-0.044342	-0.046498	0.014041	0.0187	0.011582	-0.041958	-0.022788	-0.025941	0.042706	0.021845	-0.045423
298	0.001341	-0.05143	0.050748	-0.035827	-0.037224	0.053037	0.019587	0.057772	0.054343	0.034344	0.106408	-0.012093	-0.058979	0.081733
299	-0.015701	-0.006704	-0.002315	-0.006387	-0.021316	0.003038	0.056717	0.031557	-0.010176	0.000258	-0.036642	-0.020032	0.021748	-0.067106
300	0.030302	-0.05718	0.131946	0.015973	0.027957	0.048324	0.03137	0.028564	0.147924	0.050262	0.110812	0.081821	0.007172	0.138759
301	0.005059	-0.022201	0.018409	-0.016913	-0.024822	0.056194	0.027431	-0.006381	-0.027688	0.029611	0.007403	-0.041154	0.023574	-0.056367
302	-0.061014	0.006407	0.038652	-0.013595	-0.008908	0.000081	0.024983	0.00217	0.028214	-0.004502	0.027593	-0.000054	0.010959	-0.036987
303	0.007062	-0.027317	-0.02126	-0.011516	-0.05568	-0.012439	0.065559	0.048716	0.021313	0.026801	-0.050031	-0.045693	-0.028154	-0.084165
304	-0.005078	0.009972	0.021499	-0.002098	-0.06468	-0.026971	0.013174	-0.032109	0.025697	0.005866	-0.018345	-0.064296	-0.027681	-0.070375
305	-0.015695	0.020103	0.003891	-0.064033	-0.03263	-0.005525	0.066601	-0.039753	-0.024639	0.040744	0.028774	-0.024107	-0.070057	-0.006716
306	-0.008949	0.002836	-0.00011	-0.04196	0.004591	-0.03847	0.026832	-0.093403	0.004789	-0.017634	0.015749	-0.021426	0.026932	0.047551
307	0.133415	0.075792	0.003603	0.16912	0.022613	0.131495	-0.07703	0.044678	0.010229	-0.146173	-0.203585	0.144978	0.131456	0.01907
308	0.000487	0.05334	-0.046349	0.001201	0.015413	-0.027071	-0.040402	-0.021144	0.000237	-0.005841	0.027317	0.016288	-0.011145	-0.001317
309	-0.04461	0.001263	-0.041393	0.010352	0.050485	0.005029	-0.028883	-0.027413	-0.007783	-0.011209	0.026357	0.022456	-0.002046	0.010551
310	-0.046177	0.030779	-0.041994	-0.031211	0.048904	-0.012908	-0.000804	-0.006981	-0.013563	-0.043621	0.026157	-0.026996	0.044272	0.018498
311	-0.013006	-0.051795	0.007621	0.050005	0.009865	0.000519	0.015986	-0.011454	-0.051583	-0.062818	-0.015529	0.057829	0.014024	0.048086
312	0.01673	0.020125	0.06229	-0.060588	0.064009	-0.064251	0.009785	0.074915	0.009291	-0.016589	0.003573	-0.045378	-0.079736	-0.16179
313	-0.017354	-0.015209	0.023382	0.01769	0.002997	0.044209	0.024495	-0.012193	-0.013317	-0.022529	0.05722	0.044954	-0.011488	0.037513
314	-0.085824	0.066131	0.061264	-0.064063	0.0372	-0.011435	-0.058373	-0.009593	0.067008	-0.094084	0.111371	0.058345	0.013214	-0.038913
315	-0.039402	-0.039526	-0.021932	0.011939	0.049348	0.024521	-0.008377	0.023119	-0.05847	0.020323	-0.010189	0.051499	0.001776	0.01306
316	0.05771	0.00809	-0.084169	0.014356	0.010498	0.15204	0.046251	-0.09318	0.017848	0.066002	0.179601	-0.11503	-0.025695	0.113791
317	-0.039233	-0.046676	-0.025111	0.012264	0.06366	0.047369	-0.009248	-0.013058	-0.023857	-0.014637	0.022472	0.02968	0.009562	0.010928
318	-0.013927	-0.008981	0.043322	0.008022	0.054636	0.040053	-0.036761	0.038616	-0.031095	-0.028821	-0.032622	0.022617	0.018973	0.005277
319	-0.019831	-0.052567	-0.03571	0.020284	0.02234	0.038778	-0.013551	0.017729	-0.033777	-0.001824	-0.020445	0.02539	0.020863	-0.005659
320	-0.018784	-0.010189	0.01235	-0.010456	-0.042954	-0.005455	-0.001588	0.037344	-0.023514	0.011175	0.047034	-0.022664	-0.007635	0.031623
321	0.018609	0.092144	-0.051134	0.023843	-0.087477	0.026706	-0.050403	0.059883	-0.011825	0.036468	-0.019069	0.115304	0.016328	-0.022282
322	0.097585	0.100752	-0.012662	-0.098405	0.133	0.065354	-0.110192	0.009689	0.021961	0.08284	-0.016566	-0.0798	-0.012252	0.026028
323	-0.018925	-0.013488	-0.002902	0.021384	-0.053405	0.026667	0.048667	0.064203	-0.008173	0.016738	0.097745	0.045579	-0.006412	-0.087244
324	-0.075189	0.035133	0.049763	0.033139	0.144903	-0.10736	-0.06325	-0.080811	0.031228	-0.083355	-0.011453	-0.064153	0.010741	0.056998
325	-0.055376	-0.03394	-0.01527	0.032375	0.014199	-0.021175	-0.043241	-0.047143	-0.027673	0.050536	-0.074542	-0.030582	-0.049605	0.010039
326	-0.105391	-0.011159	-0.053457	0.064177	0.055436	-0.050082	0.109039	0.030225	0.020191	-0.111934	-0.092525	0.030079	0.038267	-0.019523
327	-0.02607	-0.021562	-0.008041	0.016047	-0.028628	0.003446	-0.017094	0.003615	-0.001781	-0.010764	0.005395	0.022585	-0.020243	0.011468
328	-0.01228	0.101575	-0.035475	-0.094006	0.026387	-0.120053	0.024364	-0.12285	0.021167	0.097624	0.111694	0.038469	-0.21133	0.115012

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
329	-0.044115	-0.011091	0.027753	0.006785	-0.003051	-0.009486	0.071561	0.025124	0.027755	0.002302	0.032686	0.029313	-0.021671	-0.033902
330	0.08516	-0.051764	-0.138181	0.072886	-0.152329	-0.11489	0.128471	-0.049846	-0.02563	-0.011504	-0.037938	0.089576	-0.042563	0.045411
331	-0.002446	-0.029553	-0.001239	0.020675	0.053672	-0.026527	-0.000689	0.010322	-0.055562	0.018912	-0.003801	0.016193	0.024067	-0.004516
332	0.071219	0.005125	-0.163178	0.08708	-0.060274	0.024925	0.041973	-0.160442	0.047465	-0.051537	0.003323	0.014217	0.117983	-0.038524
333	-0.045442	-0.029147	-0.014269	0.021094	0.051611	-0.004921	-0.04229	-0.008949	-0.084411	0.018681	-0.035814	0.002633	0.020277	-0.009069
334	-0.059377	-0.073284	0.08464	-0.155578	-0.000722	-0.034407	0.031666	0.024015	0.003151	0.163927	-0.088854	0.01084	-0.054031	-0.096282
335	-0.032119	-0.021415	-0.018096	0.059081	0.014729	-0.002544	-0.040639	0.003531	-0.007663	-0.015736	-0.040102	-0.022538	0.028764	-0.018059
336	-0.046491	0.038847	-0.025026	0.046529	0.015151	-0.061199	-0.05807	0.026334	-0.114068	0.003414	0.042166	-0.054663	0.015864	0.018387
337	-0.063847	-0.037266	-0.053001	-0.016778	0.088961	0.069352	0.012927	-0.015204	0.008972	0.064453	-0.110632	-0.128574	0.023239	-0.03099
338	0.174551	-0.126417	-0.109918	-0.022812	0.005404	0.039786	-0.063962	-0.052411	-0.011051	-0.090892	0.012803	-0.062862	0.01562	0.152052
339	0.021883	-0.009175	0.001034	0.001706	0.044073	-0.000066	0.107048	0.041798	0.006906	0.021745	-0.081414	0.036535	0.080339	-0.071796
340	-0.006317	-0.132089	-0.117791	0.054825	-0.046091	0.009063	0.015449	-0.162181	-0.095257	0.106092	-0.10826	-0.103507	-0.051619	-0.057423

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
1	0.010321	0.015235	-0.078844	0.018027	-0.025941	-0.036885	-0.019735	-0.060176	0.031432	0.008088	-0.00732	0.023785	-0.00702	-0.002315
2	0.029521	-0.04017	-0.041832	0.023561	0.005695	-0.019711	0.020769	-0.026461	0.051366	0.039071	0.013947	-0.050184	-0.037735	0.014361
3	0.016464	0.021028	0.008561	-0.023777	0.002365	-0.047679	-0.000782	-0.041402	-0.020315	-0.031657	0.011578	-0.002294	-0.050247	0.006967
4	-0.11628	-0.013165	-0.062836	0.095628	-0.080736	0.039752	-0.109802	-0.02687	0.000784	-0.061442	0.016161	0.049813	0.060702	-0.007814
5	0.034501	-0.182703	-0.058022	-0.119438	-0.021252	0.075357	-0.147187	-0.27347	0.116987	-0.040314	0.042021	0.003193	-0.00224	0.035884
6	0.003777	-0.07351	0.039153	-0.036564	-0.06995	0.003004	0.055735	0.055162	0.028091	0.014819	0.026321	0.044093	-0.006174	0.011548
7	0.088066	-0.040312	0.099547	-0.043582	0.107546	-0.011175	0.030709	0.035065	0.104539	-0.020135	0.069712	-0.01274	-0.067295	-0.035703
8	-0.035113	-0.00697	0.033772	0.083963	0.043144	0.041643	-0.055928	-0.144621	-0.002308	-0.065093	-0.017193	-0.021935	0.036824	0.027162
9	-0.107322	-0.095635	-0.15671	0.075254	-0.043499	-0.008628	-0.112291	-0.02633	-0.039049	-0.04598	-0.084324	-0.11263	0.035163	-0.033971
10	-0.059446	-0.088321	0.090835	-0.030495	-0.010876	0.040941	-0.015586	-0.003626	0.085343	0.043014	0.008826	-0.072926	-0.083123	0.082923
11	-0.17007	0.134103	-0.062541	-0.117212	0.118167	0.128622	0.123582	-0.107283	-0.004863	0.089261	-0.017562	0.107308	-0.086688	-0.068868
12	-0.041122	-0.044243	-0.117531	0.072843	0.113801	-0.054505	0.080688	-0.00635	-0.004063	0.048331	-0.062299	0.030989	0.082708	-0.018795
13	-0.046646	0.009034	-0.011192	-0.051821	0.048884	0.035249	0.01602	-0.070396	-0.146583	-0.019376	0.02877	-0.023674	-0.016323	0.050716
14	-0.027463	0.06917	-0.049176	-0.046477	-0.066852	0.005838	0.067471	-0.096179	-0.063382	-0.058931	0.014344	-0.065483	0.085284	0.071538
15	0.030355	0.063122	-0.05494	0.036049	-0.034121	-0.009155	0.031428	-0.008609	0.014888	0.021397	0.048764	0.037008	0.002693	0.035962
16	-0.089933	-0.024093	0.026761	0.077836	-0.015762	-0.086006	0.043975	-0.020964	0.01176	0.051852	0.135023	0.077954	-0.25542	0.119644
17	0.025171	-0.01284	-0.077967	-0.174873	-0.05858	-0.014025	0.113062	-0.059195	0.0307	0.053781	0.033806	0.028483	-0.043071	-0.062346
18	0.041259	0.12806	0.003459	0.01855	-0.00043	0.023144	0.035498	-0.045195	0.128403	0.040202	-0.004355	-0.121559	-0.024903	0.056953
19	-0.048641	0.047597	-0.001732	-0.047747	-0.022384	0.035733	0.018145	0.023148	0.022741	-0.045204	0.047427	0.021991	-0.071784	0.033494
20	-0.01598	-0.040575	-0.002358	-0.057842	-0.004459	-0.007022	0.001473	-0.004295	-0.047161	-0.002605	0.003474	-0.038161	-0.025912	0.063387
21	0.001986	-0.034473	-0.020849	0.035914	0.043655	-0.100579	-0.03252	-0.042545	0.123584	0.079588	0.071988	-0.004162	0.09268	-0.061682
22	-0.04406	-0.103901	0.019054	0.034765	-0.004058	0.008155	-0.049173	0.079792	-0.01684	-0.121006	0.030589	0.087737	-0.058506	0.051585
23	-0.046473	-0.119281	-0.030503	0.028918	-0.019081	0.020788	0.0014	0.022201	-0.062962	-0.015351	-0.167477	0.171779	-0.017229	0.119274
24	0.036102	0.010166	0.067111	-0.009768	0.073581	-0.059287	0.003682	0.090121	-0.073384	-0.099711	-0.005486	-0.117064	-0.062901	0.048854
25	0.010003	-0.040982	-0.040634	0.038357	-0.04085	0.032753	-0.02483	0.034943	0.111671	-0.033615	0.01247	-0.056046	0.028727	-0.019003
26	0.003228	0.004602	-0.007004	-0.045647	-0.001961	-0.039499	0.016239	-0.021347	-0.017106	0.023567	-0.004082	-0.046191	0.00641	0.036875
27	-0.004722	0.000645	0.004977	-0.034838	0.007471	-0.013401	0.00086	-0.009074	-0.02281	0.003683	-0.009655	-0.012342	-0.018525	0.034681
28	-0.008705	-0.009598	-0.006937	0.031851	-0.047929	0.011841	-0.058127	0.013624	0.045778	-0.019548	0.00069	0.107247	0.04989	-0.116152
29	-0.091971	0.141753	0.093469	0.155941	0.014097	-0.023685	-0.01117	-0.101365	-0.036402	-0.017432	-0.067108	0.082347	0.06393	-0.21796
30	0.039265	0.03956	0.036775	0.018931	0.046278	-0.001525	0.013144	0.028603	0.006454	0.015376	-0.038106	-0.015316	0.020986	0.007462
31	0.013787	0.008132	0.024999	-0.040034	0.065091	-0.003741	-0.003953	-0.008252	0.05199	-0.048288	0.025354	-0.005857	0.055656	-0.01852
32	0.098124	0.016104	-0.090847	0.063567	0.013953	0.020689	0.007157	0.080208	0.049647	-0.103381	0.01884	0.004288	-0.005533	-0.026655
33	0.008873	0.047869	0.054666	0.084791	-0.054788	0.04895	0.027604	-0.101019	0.043057	0.017828	0.014876	-0.010122	0.065499	0.065678
34	-0.019367	-0.01536	-0.005207	-0.00491	-0.043618	0.031248	0.064879	0.017396	0.020376	-0.114575	0.025273	-0.047981	-0.080229	-0.072072
35	-0.117855	0.05974	-0.022742	-0.022503	-0.028966	0.104139	-0.091215	0.015104	-0.010321	-0.09014	-0.021977	0.080436	0.037935	-0.001397
36	0.037299	-0.036915	0.00671	-0.090829	0.027898	-0.041344	-0.068854	-0.028595	-0.077629	0.028597	-0.00737	0.097436	-0.054867	0.045068
37	0.017448	0.038332	0.070643	-0.068914	0.002806	-0.00267	-0.039387	0.005071	-0.057993	-0.02013	-0.089524	-0.072318	-0.090197	0.015186
38	-0.101064	-0.012121	-0.011397	0.109992	0.036184	0.062553	-0.02764	0.017267	-0.025355	-0.014156	0.009636	0.053296	-0.030983	-0.026718
39	-0.016886	-0.089766	0.020861	0.050546	0.062175	0.006309	-0.014985	0.037013	-0.059414	0.101825	-0.037611	-0.038344	-0.015568	-0.016021
40	0.035799	-0.021144	-0.00672	-0.017343	-0.003849	-0.027414	0.0707	0.019467	0.009384	-0.005097	-0.013967	-0.008321	-0.038767	-0.032636
41	0.055531	-0.033118	-0.000042	0.002866	0.034083	-0.011773	0.032394	0.005521	-0.022553	0.018008	-0.019216	0.012319	-0.03105	-0.007217

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
42	0.068172	-0.051517	-0.008216	0.062095	0.04186	-0.026969	-0.015942	0.010322	-0.06012	-0.003453	-0.033397	0.027494	-0.010409	-0.058156
43	0.044493	-0.022209	0.004196	-0.03293	0.004111	0.003378	0.051005	0.012507	-0.02483	-0.04445	-0.013926	-0.011633	-0.029692	-0.030314
44	0.05245	0.009925	0.053223	0.003294	0.007706	-0.004225	0.032582	0.070448	-0.004363	0.038724	0.030227	0.013165	-0.026753	0.042106
45	0.081742	-0.023762	0.062644	-0.023115	0.003687	0.063286	-0.009519	0.040618	-0.030302	-0.079141	0.052375	0.044316	-0.02044	-0.046796
46	0.102494	0.066933	-0.029018	0.035651	-0.099254	0.047409	0.039317	0.012628	0.019647	-0.10771	-0.003774	-0.013479	0.075542	0.025174
47	-0.043021	-0.017363	0.062869	-0.009413	0.083977	0.030081	0.007424	0.033638	0.03206	-0.145591	0.029905	0.046297	-0.070552	0.063937
48	-0.042964	0.001334	0.046895	0.043832	-0.023152	0.018976	0.007507	0.027643	0.008263	0.009623	0.042055	-0.001865	-0.019189	-0.052338
49	0.03537	0.026757	0.005576	0.017068	0.028103	0.022063	0.034828	0.020274	0.02787	0.024498	-0.016211	0.012601	0.011965	0.00558
50	-0.034526	0.055316	-0.00647	0.031155	0.030194	0.045884	0.033475	-0.009952	-0.00017	0.011156	-0.025644	-0.008155	0.010211	-0.023863
51	-0.018087	-0.022104	0.058225	0.040536	-0.037607	-0.019993	-0.033564	-0.03008	0.03959	-0.023074	0.030872	-0.005381	0.008981	-0.025539
52	-0.078064	-0.046545	0.023636	0.069747	-0.053311	-0.018505	-0.008782	0.053539	0.042174	0.011816	0.076538	-0.036673	-0.023608	0.092533
53	-0.007295	0.041215	0.003415	0.024345	-0.036305	0.008507	0.010503	-0.030441	0.004319	0.011532	-0.001153	-0.029971	-0.020848	-0.025265
54	-0.000053	0.010903	-0.00342	0.051814	0.00447	-0.018031	0.0283	0.0514	0.045302	0.004856	-0.048173	-0.038219	0.003253	-0.034407
55	-0.024101	-0.045758	-0.025794	0.034298	-0.063851	-0.006827	-0.007686	-0.001495	0.030502	-0.030237	0.038745	0.012823	0.037865	-0.110308
56	0.031061	0.041497	0.025802	-0.02064	-0.010503	0.03254	0.04349	0.005729	0.003557	0.019968	0.040379	-0.018586	-0.024611	0.005004
57	-0.029276	0.049332	-0.032655	-0.019077	-0.015403	-0.08838	-0.004718	0.038152	-0.008786	0.059533	-0.006427	0.024671	0.019554	0.011538
58	-0.04343	-0.042956	0.104935	0.03066	0.016585	-0.041581	-0.001074	-0.022829	0.00534	0.007468	0.007485	-0.010435	0.002879	0.045536
59	0.017386	0.06654	0.100511	-0.042852	-0.056826	-0.052638	0.058819	0.043537	0.039672	0.120601	0.076167	0.06742	0.048617	0.0805
60	0.043613	-0.118882	-0.005251	0.021195	-0.012697	0.026912	-0.022312	-0.014769	0.051466	-0.071376	0.077766	0.010833	-0.015219	0.017808
61	0.022463	-0.064732	0.093914	0.048473	0.027568	0.002989	0.021177	-0.03974	0.063611	0.060559	-0.066691	0.009923	0.019	-0.044594
62	0.082186	0.010366	0.034984	-0.046775	-0.075194	-0.007793	-0.005406	-0.004237	-0.012697	0.031387	-0.01922	0.038023	0.070196	0.003962
63	0.002827	0.043713	0.064909	0.006818	-0.037757	-0.015095	-0.053548	-0.037313	0.057524	0.077179	-0.078703	0.019213	-0.058664	-0.017309
64	0.03562	0.038851	0.043746	-0.045756	0.051035	0.009469	0.046653	0.02395	-0.002517	0.031477	0.017612	-0.003987	0.008227	-0.005185
65	-0.022086	-0.002501	-0.056973	-0.046103	-0.014262	-0.074666	0.013686	0.011233	0.020051	-0.004455	0.033646	0.030691	-0.018872	-0.053161
66	0.001133	0.023445	0.011449	-0.023522	0.020612	0.014805	-0.044615	0.019151	0.012015	0.068631	-0.009387	-0.089325	0.076551	0.053704
67	-0.05263	0.012668	0.007786	-0.026807	-0.031615	-0.045731	-0.054789	-0.090599	0.016076	0.009743	-0.028181	0.020929	0.07353	0.062777
68	0.031637	-0.020437	-0.029627	0.002337	0.0657	-0.094507	-0.014835	-0.003169	-0.059874	0.094536	0.156936	0.040271	-0.018664	-0.036172
69	0.114227	0.036959	-0.042	0.024266	-0.066645	0.067185	-0.003155	0.065749	0.030386	0.058451	0.004233	0.126462	0.117387	0.001171
70	0.028442	-0.053577	0.023897	0.061929	-0.006834	-0.168192	-0.066229	0.063629	0.080593	-0.054521	-0.009114	0.015759	-0.007258	-0.015287
71	0.066809	0.032919	0.032281	-0.042473	0.120961	0.050767	-0.010644	-0.060775	-0.069171	0.037409	0.017464	-0.00533	0.035179	0.037848
72	0.044934	-0.002433	0.004608	-0.019968	0.025721	0.049269	0.020334	0.061535	-0.020552	0.000974	-0.001957	0.059218	-0.014777	0.029023
73	0.083039	-0.039315	0.022613	-0.055208	-0.057761	0.041371	-0.044761	-0.042277	-0.041099	0.018225	-0.111763	-0.042708	0.047644	-0.046404
74	0.109878	-0.107065	0.053885	-0.053211	0.005838	0.061602	-0.212384	0.071994	0.049892	0.00442	-0.057674	-0.023662	-0.0129	0.085323
75	-0.045148	0.008525	0.024192	0.032797	0.039202	0.007845	0.003078	-0.026011	0.023514	0.021267	-0.021557	0.006087	0.013368	-0.033566
76	0.001477	-0.020739	0.006648	-0.035645	-0.002661	0.033739	-0.06104	0.063338	0.035695	-0.044076	0.064561	-0.026972	-0.032947	-0.08357
77	-0.016494	0.025375	0.022555	0.041859	0.027407	0.01141	-0.023508	0.000784	0.022639	0.025841	-0.030726	0.031364	-0.010624	-0.046108
78	-0.041489	-0.006707	0.019285	0.037195	0.045413	0.009805	-0.03573	-0.00749	0.029398	0.037797	-0.048508	0.018112	-0.005944	-0.061279
79	0.020409	-0.026798	-0.036887	-0.038849	0.04164	-0.042419	-0.022596	0.026082	-0.035797	0.036824	0.047826	-0.058525	-0.05919	0.044744
80	0.028726	0.038229	0.044084	0.143243	0.021864	-0.138277	0.099059	-0.042075	0.135572	0.093163	0.02085	-0.029144	0.034383	0.07597
81	0.053428	-0.122428	0.028343	0.107602	-0.05041	0.16897	-0.054337	0.062738	0.066198	-0.02447	-0.031226	-0.005551	-0.044903	-0.018603
82	0.025768	0.014957	-0.056873	0.006104	-0.052261	-0.037671	-0.035968	0.046956	0.025473	-0.001342	0.070017	-0.006391	0.045485	-0.074574

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
83	-0.021581	0.002816	-0.028387	0.01493	0.022214	-0.001143	0.019478	0.001981	0.037004	0.005735	0.056537	-0.005379	0.005825	-0.020006
84	-0.040715	0.003399	0.036202	-0.003905	-0.040461	-0.017627	0.053262	-0.027114	0.00825	-0.004484	-0.007358	0.014442	0.006704	0.029101
85	0.127643	-0.00906	-0.12606	0.083621	0.085972	0.106086	0.015164	-0.044532	0.075606	0.075785	-0.018852	-0.062997	-0.035033	0.003342
86	0.067085	0.017358	0.042035	-0.044613	0.052304	0.105221	-0.016951	-0.057129	0.044108	-0.040578	0.047182	0.02877	0.065825	-0.014062
87	0.067038	0.056108	0.013688	-0.032164	0.053505	-0.05551	-0.008691	0.077335	0.05214	0.013082	0.060308	0.007191	0.147136	0.079222
88	-0.039737	0.022302	0.014057	-0.007196	-0.033217	0.019753	-0.016908	-0.082898	0.005371	0.007516	-0.007219	0.034362	-0.022674	0.021971
89	-0.027898	-0.044321	-0.006829	-0.016749	0.013414	0.007663	0.015602	0.023185	0.005954	0.016465	0.036479	-0.008573	0.010451	0.019266
90	-0.035112	-0.068281	-0.019856	-0.053848	0.027916	0.027825	0.048425	0.008581	-0.001663	0.011944	0.05505	0.007935	0.001937	-0.028273
91	-0.012858	-0.070892	0.03246	0.02719	-0.088508	-0.04015	0.000188	0.025766	-0.023561	0.011412	0.002661	-0.015909	0.027789	-0.011217
92	-0.110995	-0.122042	-0.021602	0.047538	-0.125751	-0.106959	0.019248	0.040216	-0.054917	0.103165	-0.132804	0.016017	-0.038905	-0.011142
93	-0.06597	0.025947	0.007599	0.117219	-0.012825	-0.004537	-0.01999	0.011502	0.02832	-0.001337	0.010655	-0.031886	0.031387	0.049064
94	0.013995	-0.04139	0.014287	-0.026437	0.055104	-0.019001	-0.019812	-0.031146	-0.027609	-0.020632	0.061528	0.053108	-0.0793	-0.028127
95	0.042324	-0.049593	-0.122409	-0.092528	0.037053	0.010354	-0.101149	0.087606	-0.051857	0.030217	0.223133	0.036892	-0.007953	0.006682
96	0.037046	0.026779	0.003755	-0.058006	0.0172	-0.13936	-0.027679	-0.117686	0.003692	-0.066754	-0.036267	-0.211387	-0.004918	-0.014643
97	0.088259	-0.023801	-0.009177	0.02476	0.023652	-0.031778	-0.005447	0.043734	0.032314	0.008389	-0.013058	0.012007	-0.002107	-0.117961
98	-0.008712	-0.013042	0.004301	-0.004181	-0.006274	0.014123	-0.003445	0.016246	0.012551	0.014723	0.010857	-0.022361	-0.008314	-0.032584
99	0.020981	-0.002746	-0.045852	0.006081	0.026861	-0.032859	0.066232	-0.013485	0.00775	-0.011256	-0.03861	0.050729	-0.045375	-0.065649
100	0.057152	0.0069	-0.026352	-0.012662	-0.030616	-0.037431	-0.063458	0.024284	0.018211	0.005052	-0.029586	-0.002553	-0.017217	-0.079115
101	-0.024502	-0.037832	0.03714	-0.001609	0.025333	0.006507	-0.025836	0.011237	0.015852	0.000282	-0.012291	0.002653	-0.048272	0.017562
102	0.026593	0.034551	0.039756	-0.015137	-0.006896	-0.006675	-0.068394	-0.026523	0.033622	-0.13669	0.014668	0.040145	-0.053124	-0.070766
103	-0.018362	-0.027047	-0.006509	-0.054021	-0.057429	-0.056247	0.017562	-0.102763	-0.132998	-0.003386	0.022904	0.048877	0.041379	0.032553
104	-0.086719	0.014728	0.088899	-0.000978	0.016595	-0.033089	0.015353	-0.06307	0.046634	0.002871	-0.057763	-0.106045	-0.073062	0.039597
105	-0.045493	-0.018644	0.03632	0.039818	-0.158575	-0.062984	-0.094697	-0.056331	-0.005587	0.044119	-0.092188	-0.045617	-0.009624	0.04794
106	0.044748	0.124272	0.019531	0.040463	0.001426	0.060796	0.010275	-0.037105	-0.072642	0.00121	0.094462	-0.122252	0.090563	0.070759
107	0.071093	-0.088667	0.010209	0.023686	-0.055483	0.071541	0.016404	-0.069019	-0.010165	0.139157	-0.001039	0.086684	-0.053941	-0.004374
108	-0.042096	0.106633	0.147368	0.010463	0.078713	-0.077714	-0.088917	-0.081752	-0.117854	0.059829	-0.035334	0.037467	0.109061	-0.008509
109	-0.017096	0.009163	-0.11327	0.077781	0.075183	0.127454	-0.060015	0.027175	0.119076	-0.034753	-0.10048	-0.168121	-0.086865	-0.200039
110	-0.142527	0.020459	-0.062238	0.075117	0.104229	-0.016691	0.033725	0.064312	-0.211297	0.007128	0.017421	-0.064264	0.022562	-0.019034
111	-0.048859	-0.004516	0.054696	-0.013415	-0.059527	-0.034976	0.027364	-0.005313	-0.077545	-0.052701	0.120048	-0.006374	0.09968	-0.146435
112	0.008791	0.144666	0.052671	-0.075565	0.017904	0.056261	0.076959	-0.074823	-0.035052	-0.025179	-0.114815	0.072627	0.000031	0.115456
113	0.085188	0.01889	0.021442	0.026297	-0.107838	-0.053376	0.061612	0.02805	-0.084355	0.077438	0.113451	-0.18049	-0.062284	-0.081594
114	0.067841	-0.06487	0.043892	-0.041727	0.000666	0.070054	-0.16727	0.001182	-0.08798	0.152016	-0.020418	-0.129032	-0.171107	-0.052583
115	-0.10085	-0.124438	0.136051	-0.074375	-0.001172	-0.11027	-0.008762	-0.073943	-0.011618	-0.019994	-0.082595	0.127098	0.018967	-0.012167
116	0.002372	0.057563	-0.12453	0.126131	0.072299	-0.026949	0.026789	0.110156	-0.085444	-0.02991	0.021229	-0.017732	-0.093063	-0.032813
117	0.037293	0.017014	0.121235	0.024166	-0.066348	-0.05729	0.109148	0.025485	-0.128676	0.003017	-0.079321	-0.020241	0.025361	-0.092012
118	-0.017461	-0.002288	-0.036529	-0.093797	0.077099	-0.097165	-0.039229	0.112958	0.056448	0.045526	-0.138012	0.005471	0.036974	-0.111291
119	0.029528	-0.037853	0.010652	-0.139078	-0.053314	-0.02856	0.087197	0.003483	-0.028815	0.006975	0.013604	-0.007147	0.015687	-0.0458
120	0.015665	-0.011207	0.040981	-0.002127	-0.066482	0.004923	0.041219	0.017327	-0.0686	0.033363	0.026008	0.024695	0.077128	-0.006944
121	0.02136	0.042623	0.075034	0.010493	-0.098097	0.004711	-0.011108	0.061201	-0.017088	-0.02239	0.060268	0.05453	0.008754	-0.013928
122	-0.015851	-0.068198	0.059818	0.065077	0.014206	-0.014941	0.102783	-0.020519	0.043631	-0.026843	-0.035846	-0.06618	0.023778	-0.053255
123	-0.033423	-0.053141	-0.003432	0.028739	0.001074	-0.035755	-0.001732	0.002985	-0.037128	0.017415	0.037002	0.010574	0.080047	-0.020014

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
124	0.05153	-0.039739	0.005348	-0.070637	-0.00756	-0.017062	0.070017	0.001798	-0.00564	-0.015299	-0.009905	0.058945	0.026308	-0.034013
125	0.048924	0.006856	-0.047	0.009019	0.060984	0.039879	-0.015812	0.035716	0.019052	0.055442	-0.000861	0.032238	-0.025528	0.113853
126	0.005294	-0.041386	-0.027501	-0.025964	0.026381	0.041473	-0.018727	0.058876	-0.013856	-0.06245	-0.041403	-0.008976	-0.013938	0.029987
127	-0.013401	-0.049509	-0.004569	-0.027543	0.061059	0.051996	-0.009626	0.019648	-0.062097	-0.009227	-0.076733	-0.035697	-0.001746	-0.013973
128	0.003423	0.02326	0.007746	0.074008	0.011309	-0.022357	0.042136	0.051821	0.018206	-0.040207	-0.08064	-0.020803	-0.01197	-0.043178
129	0.007223	0.063061	0.001823	0.057783	0.024614	-0.001823	0.08137	-0.078199	-0.09189	-0.011437	-0.039118	-0.008211	0.044896	0.08167
130	-0.124207	-0.005926	-0.195241	-0.142378	0.06122	0.043498	0.060612	-0.10507	0.058868	0.019772	-0.05056	0.098585	-0.013331	-0.100329
131	0.091919	-0.102613	-0.099471	0.071815	-0.149267	-0.075631	-0.004405	0.022507	0.010922	0.070653	0.128074	0.138797	0.03157	-0.095978
132	0.059479	-0.057919	0.048722	0.010547	-0.034196	0.060607	0.08628	-0.032371	-0.021066	-0.046317	-0.021868	0.040042	0.101566	0.002856
133	0.083902	0.023902	0.092184	-0.027832	0.032761	0.072626	-0.054575	-0.034153	-0.09724	0.015556	-0.07083	0.002242	-0.008143	0.007494
134	-0.088583	-0.088713	0.031427	-0.102986	0.028869	-0.010295	0.055817	-0.068784	0.145264	0.086562	-0.055625	0.083602	-0.11419	-0.06856
135	-0.006909	0.039734	0.002559	-0.051038	0.064326	0.007095	0.013376	-0.016058	0.038877	0.021702	0.005151	-0.027157	0.01608	0.040401
136	0.072802	-0.066957	-0.096635	-0.024029	-0.021249	-0.119571	0.088568	-0.077875	-0.026582	-0.016705	0.117856	-0.0041	0.042739	-0.084178
137	0.038493	0.05602	-0.005786	0.001652	0.053704	-0.020103	-0.00062	0.071935	0.012672	0.16064	0.09307	-0.060674	-0.035203	0.022586
138	-0.144453	-0.042931	0.001499	0.001516	0.063892	0.140518	0.058706	0.10011	0.0122	-0.004	0.001483	-0.011284	0.121416	-0.043601
139	-0.037756	0.009106	0.204124	0.082474	-0.046521	0.021264	-0.035872	-0.074419	-0.12082	-0.03507	0.094823	0.03089	-0.108398	-0.02096
140	0.110792	0.132323	0.150417	0.183267	-0.078076	0.145149	0.160903	0.022258	-0.043799	-0.063087	-0.091936	0.110313	0.090538	-0.152988
141	-0.06916	0.021639	-0.027623	-0.015481	0.044197	0.039924	-0.060504	-0.009621	-0.026727	0.047941	-0.073561	-0.025004	0.031368	0.093259
142	-0.019598	-0.024628	0.039698	0.045079	0.025066	0.043898	-0.01118	0.017202	-0.032469	-0.039212	-0.026854	-0.07361	-0.065644	-0.046645
143	-0.087495	0.035509	0.093579	0.126837	-0.062344	-0.004272	-0.043845	-0.011635	0.045883	0.027463	0.019427	-0.028064	0.01688	-0.011667
144	-0.057888	-0.012745	-0.009199	0.05352	-0.01834	-0.048833	0.0982	-0.011914	0.001476	-0.078489	0.150606	-0.033806	-0.015788	-0.003754
145	0.05796	-0.01972	0.002918	-0.019581	0.048149	-0.023198	0.002795	0.060966	0.027454	0.008897	0.013852	-0.025453	0.04207	-0.145715
146	0.037145	0.046539	0.004688	-0.03723	0.018852	0.030834	0.00314	-0.02285	-0.027375	0.025451	-0.007791	-0.014882	-0.006228	0.046625
147	-0.027673	-0.023983	-0.011457	-0.011503	-0.074426	0.001651	0.046689	-0.000593	0.071054	0.023194	-0.017431	-0.05363	-0.056149	-0.04297
148	-0.040448	0.085373	0.024473	-0.008536	0.007205	-0.083747	0.011457	0.005325	0.012278	-0.101613	0.014908	-0.145965	-0.069766	-0.005535
149	0.051863	-0.016086	0.010358	0.076371	0.01513	-0.067754	0.008569	-0.038736	0.054031	0.022888	0.01916	0.049823	-0.105275	0.034908
150	0.049399	0.041586	-0.073116	0.057789	0.085376	-0.064856	0.023125	0.035216	0.019737	0.145223	-0.105475	0.035319	0.032204	0.07955
151	0.070969	0.046765	0.052063	0.056174	-0.078162	-0.120964	-0.011198	0.007639	-0.05493	0.097499	-0.053217	-0.086252	-0.148466	-0.039542
152	0.03155	0.004784	-0.001195	-0.016629	-0.095373	-0.01103	0.031744	0.018914	0.008535	0.038521	0.024601	-0.004349	-0.040056	-0.021253
153	-0.059605	-0.013002	-0.066084	0.019311	-0.011177	-0.069496	0.040835	-0.028997	-0.035857	-0.022341	-0.031666	-0.037716	-0.011856	0.0318
154	-0.035612	0.020334	-0.088271	0.031367	-0.037928	-0.035673	-0.010469	-0.001765	0.013284	-0.069142	0.023314	-0.00402	0.015224	-0.099683
155	0.007514	-0.013871	0.02303	0.020641	-0.002987	0.003657	0.013031	-0.07104	0.06027	-0.060279	0.109055	0.02705	0.063887	0.054131
156	-0.009389	-0.044083	0.002086	0.086934	0.003862	-0.052068	-0.211121	-0.094043	0.140582	-0.129002	0.042301	0.101065	-0.046834	0.012974
157	-0.031667	0.041347	0.045621	-0.006381	-0.02681	0.102089	0.104341	0.041353	-0.068961	-0.054368	-0.02045	-0.000514	-0.042072	0.016805
158	0.042809	0.005159	0.175358	-0.034202	0.089859	-0.019388	-0.152518	-0.022718	0.022081	0.039211	0.094851	-0.103062	0.119455	-0.12704
159	-0.106663	0.124761	0.021199	0.036894	0.085726	-0.007854	-0.048446	0.15738	0.11854	-0.001358	-0.072515	0.097133	-0.044846	-0.001221
160	0.085616	0.022506	0.005594	0.045386	-0.027068	0.033979	0.076542	-0.058715	-0.016468	0.071124	0.045421	-0.012999	-0.128705	0.102162
161	-0.106089	-0.056559	-0.076914	0.118547	0.021096	0.012114	0.047154	0.032863	-0.063229	-0.034931	0.067906	-0.001097	-0.089602	0.018083
162	0.040979	0.104327	-0.103696	0.071706	0.040108	-0.067305	-0.023621	0.093784	-0.086014	0.043575	0.125888	0.076452	-0.040314	0.007164
163	0.054919	-0.015693	0.046156	0.013359	-0.06102	0.032944	0.001957	-0.021887	0.05748	0.083532	-0.016186	0.005864	0.06186	0.055423
164	0.109565	-0.016899	0.1493	0.047365	-0.07556	0.016677	-0.072009	-0.002072	-0.150028	0.041092	-0.122845	0.026186	-0.038957	0.013398

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
165	0.132784	0.153378	-0.085685	-0.022003	-0.128773	0.028145	-0.077983	-0.141394	-0.011272	-0.165033	0.064164	-0.035202	-0.148821	0.054336
166	0.05044	0.051229	-0.021472	-0.106388	0.078592	0.079838	-0.023047	-0.034979	-0.146971	-0.152382	-0.097923	-0.05728	0.008272	0.093877
167	-0.135935	-0.101885	0.061213	-0.019438	-0.002437	0.023535	-0.02405	-0.089566	-0.074112	0.058686	0.127796	-0.071999	0.206367	-0.029965
168	0.035949	0.088617	-0.112659	0.019754	0.020075	-0.03232	-0.057722	-0.000397	0.032181	0.026712	-0.003419	0.016536	0.041771	0.029937
169	-0.024212	0.023197	0.010303	-0.012806	0.018146	0.028254	-0.007646	-0.028753	-0.027211	-0.012894	0.022376	-0.056413	0.055144	0.058531
170	0.009134	0.007092	-0.008942	-0.013396	0.011987	0.014004	0.021461	-0.040361	-0.014152	-0.031311	0.019358	-0.033807	-0.000206	0.04384
171	-0.002834	0.012819	-0.002984	0.013663	-0.062805	0.00776	-0.047218	-0.023521	-0.051563	0.018831	0.016009	0.010948	0.040801	0.053339
172	-0.015891	0.03916	0.004174	-0.029349	-0.008183	0.003084	-0.001645	0.025963	-0.017885	0.043155	0.021795	-0.029595	0.051938	0.000566
173	-0.010035	0.034945	0.015227	0.026971	0.044622	0.006069	-0.036285	0.003506	-0.085759	0.031877	-0.001773	0.011422	-0.035072	0.00736
174	0.00655	-0.006129	0.007754	0.024847	0.058121	0.033066	-0.01815	0.034672	-0.050235	-0.014813	-0.023629	-0.028297	-0.031785	-0.001687
175	0.068092	-0.057729	-0.017293	0.03613	0.006058	-0.101298	0.023058	-0.000076	0.007397	0.020683	-0.032907	-0.046773	0.005242	-0.030548
176	-0.01052	-0.014104	-0.041571	-0.067108	-0.067979	-0.030997	-0.130767	0.015191	-0.036761	-0.025298	0.059712	0.040024	0.07076	-0.020239
177	0.00756	-0.02272	-0.016744	-0.088017	0.026253	-0.077359	0.089143	-0.005591	-0.04068	-0.1142	0.07767	0.071554	0.142116	-0.056014
178	-0.044669	-0.004522	-0.018182	-0.018322	0.009189	0.097251	-0.052959	0.036555	-0.008448	0.035932	0.037226	0.000012	0.059894	-0.044553
179	-0.012721	0.002119	0.014015	-0.007567	-0.048213	0.001183	-0.028789	0.017881	-0.003846	0.022125	0.002313	0.002107	0.03805	-0.028712
180	-0.041141	-0.02485	-0.002425	-0.020071	0.015469	0.031561	0.015412	0.01888	0.001245	0.020573	-0.011584	0.002874	0.005409	-0.008351
181	-0.027686	-0.029989	0.003482	-0.004773	-0.014796	0.017538	0.011943	0.001058	-0.002665	0.002486	0.004659	0.002473	-0.016155	-0.021991
182	0.040071	-0.006749	-0.010098	-0.02251	-0.001234	-0.032831	-0.003281	0.041575	0.017818	-0.002141	-0.044347	0.043284	-0.02104	-0.031317
183	0.087185	0.012281	-0.009248	0.013628	-0.112439	-0.071123	-0.085215	0.049352	-0.005965	0.001375	-0.004922	0.064548	0.045675	-0.006889
184	0.081142	0.091916	-0.024337	0.041707	-0.133574	-0.010326	-0.10378	-0.017927	0.016924	-0.05828	0.073274	0.076913	0.072433	0.0087
185	-0.08715	-0.028273	0.005507	-0.011571	0.053681	0.031323	0.075174	0.082239	0.066689	-0.000453	-0.094529	-0.127385	0.03584	0.014296
186	-0.032281	-0.023267	-0.160841	0.041467	-0.06467	0.016533	0.110742	0.015333	-0.086236	0.089891	0.003941	0.023402	0.024228	0.106302
187	0.034856	0.033033	0.046535	-0.07083	0.038542	-0.030177	-0.04352	0.020948	-0.026997	-0.016916	-0.015622	0.036565	-0.0191	0.041032
188	0.030555	0.01442	0.045507	-0.03685	0.045062	-0.001368	-0.049055	0.008975	0.004766	-0.086733	-0.012882	-0.000386	-0.010736	0.004187
189	0.020335	-0.032911	0.118816	-0.007773	0.056155	-0.084414	-0.028654	0.042943	-0.023819	-0.108488	-0.058276	-0.043754	-0.044264	-0.042832
190	-0.044842	-0.04218	0.014017	-0.009362	-0.030263	-0.084593	-0.038566	0.04036	-0.01731	0.010696	0.029791	-0.011468	-0.002358	0.083684
191	-0.062618	-0.046964	0.042004	-0.026879	-0.038657	-0.023784	0.03709	-0.00295	0.021302	-0.058003	-0.020907	-0.009201	0.003473	0.056942
192	0.09065	0.038665	-0.007967	0.047394	0.01535	0.023044	0.039797	0.056735	0.008899	0.107541	-0.020481	0.056272	-0.016671	-0.019042
193	0.017676	-0.04658	0.003241	-0.002092	-0.064006	0.046833	0.062124	-0.008087	-0.02395	0.084563	0.010976	0.015504	0.043453	-0.020719
194	0.022839	-0.037055	0.094831	-0.008976	-0.014803	0.01842	-0.013268	-0.030689	0.077892	-0.024491	0.005806	0.042617	0.08809	0.006275
195	-0.062844	-0.059933	0.010783	0.072726	0.031483	-0.02305	0.023964	0.019865	-0.004471	0.072513	0.106109	0.039492	-0.00009	0.039364
196	-0.051202	-0.028036	0.038435	0.024888	0.03541	-0.010363	0.017534	-0.005851	0.027729	-0.02955	0.041998	0.011527	-0.00676	0.019279
197	-0.062232	-0.030701	0.048074	-0.023958	-0.003238	-0.077349	-0.001091	-0.008739	0.036938	0.026944	-0.000678	0.017074	-0.023752	0.046037
198	0.007736	0.00597	-0.037523	-0.004265	-0.059278	0.043314	0.014868	0.142666	0.115896	-0.039532	0.011787	0.008109	0.103729	0.025788
199	-0.02229	-0.102455	0.130263	0.067516	-0.070682	0.135881	0.001361	0.05423	-0.048957	0.001345	0.013807	0.059343	0.010802	0.003314
200	0.00148	-0.002922	0.033255	0.059999	-0.010244	0.051202	-0.007408	0.017715	-0.008924	0.105233	-0.043828	0.066901	0.019639	0.000499
201	0.034937	-0.063657	-0.038993	0.002145	0.021211	-0.086253	-0.037251	-0.00902	-0.018467	-0.061454	-0.142348	0.048145	-0.132045	-0.08203
202	0.021773	0.019138	0.011006	0.010984	-0.056201	0.047371	0.022022	-0.01775	0.064338	0.015384	-0.047949	-0.056018	-0.023192	0.012591
203	0.006906	0.023117	0.131109	-0.040199	0.076257	-0.013622	-0.038861	0.127811	0.04213	-0.04631	0.033182	0.052171	0.024731	-0.04255
204	-0.125802	0.15696	-0.060667	-0.11754	-0.266675	0.01517	0.078657	0.016243	0.017525	-0.11451	-0.003211	-0.057117	-0.046288	-0.071874
205	-0.044853	-0.056053	-0.031261	0.102696	0.011226	-0.012533	-0.023425	0.25464	0.013438	-0.081441	-0.041954	-0.086567	0.055011	0.044389

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
206	-0.031744	-0.037843	0.058397	-0.082181	0.163306	-0.045085	0.035835	-0.039144	-0.014677	0.116737	0.082056	0.05822	0.005666	-0.007276
207	0.040994	-0.030034	0.131622	0.008102	-0.053606	-0.06379	0.034029	-0.029168	-0.060433	-0.080514	0.04871	0.038382	0.004276	0.084587
208	-0.134373	0.07404	0.054273	0.017419	0.13347	-0.039143	-0.037169	0.007529	0.034378	-0.013761	0.015344	0.147179	0.013406	-0.042225
209	0.045051	0.15005	-0.027117	-0.092903	0.023315	0.064972	-0.11118	-0.007876	0.121701	-0.033639	0.025665	0.048473	0.020882	-0.086769
210	0.015289	-0.002344	-0.100009	0.097947	0.094759	-0.027572	0.079419	0.041524	-0.081184	0.050464	0.070079	0.042752	0.020493	0.040017
211	-0.059694	0.06404	-0.074892	0.086106	-0.004336	-0.052076	-0.018097	-0.026591	-0.019527	-0.016098	-0.120743	0.10932	-0.064622	-0.081235
212	-0.147207	0.125399	0.099249	-0.02242	-0.064924	-0.056284	-0.062527	0.019101	0.040033	0.053091	0.063545	-0.091233	-0.001031	0.022732
213	0.082024	-0.001865	0.103303	-0.152658	-0.050878	0.033195	0.018387	-0.007346	0.072725	0.041359	-0.137932	0.015151	-0.054411	0.01878
214	0.002494	0.021717	-0.004249	0.023725	-0.024794	-0.004055	-0.034002	-0.008705	-0.029951	0.019024	-0.01552	0.013647	0.022055	-0.018634
215	-0.072706	-0.038267	0.0276	0.099712	0.002136	0.059923	0.133917	-0.025644	-0.041048	0.115747	-0.010577	-0.012004	-0.00221	0.003975
216	-0.037322	-0.0107	-0.018663	-0.032768	0.077621	-0.004606	0.031411	0.028521	-0.000993	-0.060142	0.026063	0.028875	-0.044641	0.059177
217	0.043918	0.02319	-0.066596	0.046883	-0.050331	-0.042599	0.047676	0.061486	0.097556	0.050567	-0.111563	-0.07108	0.052165	0.015857
218	-0.044091	0.011346	-0.010956	0.060643	0.030476	0.05206	0.028837	-0.013639	-0.007678	0.055101	0.021814	-0.029788	0.011855	-0.040292
219	-0.013468	0.066978	-0.007169	0.017573	0.026663	0.021268	-0.03811	-0.023697	-0.067417	0.016053	0.037716	0.007353	-0.026477	-0.022186
220	0.096046	0.002101	-0.041624	-0.058895	-0.049346	-0.01252	0.037077	0.056229	0.032602	0.042558	-0.065333	0.000315	0.051513	0.012817
221	-0.015476	0.075384	-0.058344	0.021298	0.01709	-0.011804	-0.023846	0.017808	-0.003402	-0.003472	0.033935	0.075713	-0.041509	0.002203
222	-0.078197	0.034204	0.032496	0.01584	0.032461	0.052596	-0.047211	-0.042396	0.007941	0.084787	0.018051	0.013237	-0.019437	-0.030181
223	-0.04967	-0.046664	-0.003029	-0.018827	-0.047959	0.040294	-0.007196	-0.09417	-0.044118	0.049739	-0.036932	0.001524	0.037894	0.014011
224	0.025339	-0.063525	-0.008114	0.040267	-0.000192	0.058882	-0.074513	0.054897	-0.068636	0.004949	0.017043	-0.063357	0.004519	-0.02608
225	0.044656	-0.060753	-0.007287	0.05288	0.024858	0.057323	-0.047851	0.095885	-0.102293	0.001858	0.03388	-0.054287	0.001621	-0.032264
226	0.007625	-0.020921	-0.01837	0.049892	-0.013226	-0.032585	-0.011665	0.013621	0.022087	-0.074603	-0.010517	-0.034749	0.038189	0.008766
227	0.0279	-0.114704	0.035184	0.024245	0.064731	0.007297	0.017025	0.025816	-0.023138	-0.044736	0.013083	-0.061487	0.060476	0.039861
228	0.0209	0.072112	0.011203	-0.054693	0.047453	-0.070027	-0.015903	0.07587	0.05575	0.030892	-0.003448	0.060905	-0.077516	0.022204
229	-0.021198	0.029923	-0.025226	-0.076588	-0.015265	0.021482	-0.039328	0.020691	-0.023821	0.079991	0.020516	0.07207	-0.030405	-0.039031
230	-0.069401	-0.048466	0.042137	-0.0098	0.073089	0.057903	0.02057	0.022068	0.014361	-0.028164	0.023849	0.000334	-0.070718	0.048698
231	0.074063	-0.035823	-0.027285	0.012145	0.005768	-0.090675	0.018003	-0.084657	0.099748	-0.075148	-0.016548	-0.021342	-0.041963	0.053756
232	-0.137478	0.071242	-0.088038	-0.078662	-0.11108	0.012149	-0.09857	0.10265	0.074043	0.077521	-0.127951	0.000372	0.021514	0.115256
233	-0.016549	0.044668	0.010653	-0.067848	-0.090084	0.029399	0.016799	0.049424	0.087061	0.039494	0.038416	-0.037217	0.058407	0.036432
234	0.086099	-0.012463	0.020723	-0.028241	0.080221	0.007169	-0.046811	0.008684	0.012401	0.082082	0.047648	0.045417	-0.032238	0.100964
235	0.058349	0.020421	-0.015645	0.004999	0.028077	0.022274	0.050437	-0.022902	0.008512	0.045452	0.062834	0.034013	-0.09073	-0.020046
236	-0.037879	-0.040512	-0.030317	-0.029115	-0.004466	-0.021629	-0.020559	-0.024688	0.008452	-0.066567	0.02541	0.050972	-0.023333	0.082117
237	-0.018876	-0.001712	-0.002591	0.008809	0.037997	-0.024234	0.003003	0.017882	-0.006943	-0.026747	-0.02513	-0.008207	-0.008578	0.039604
238	-0.025414	0.030609	0.013662	0.0199	-0.028665	-0.021409	-0.043558	-0.025446	0.035807	-0.023987	0.008206	0.02311	-0.042687	-0.014047
239	-0.021758	0.039778	-0.011632	0.020065	-0.051442	-0.02287	-0.021094	-0.015976	0.037742	-0.041456	0.041293	0.02373	-0.040988	-0.035586
240	-0.01051	0.052734	0.001154	0.066168	-0.022185	-0.03547	-0.033422	0.029806	0.044465	-0.063152	0.017133	-0.061069	0.043496	0.065008
241	-0.044991	0.062645	0.008978	0.02574	-0.046358	0.005206	0.013808	0.030855	0.026946	-0.047921	-0.001032	-0.029838	0.027564	0.038156
242	-0.000177	-0.006755	0.071588	-0.106413	-0.034435	-0.030346	0.056513	0.006831	-0.005518	0.031368	-0.033256	0.011222	-0.044089	-0.016647
243	0.030071	0.027339	-0.011932	0.008002	0.038934	-0.048056	0.062774	0.02215	0.008646	-0.020574	-0.019358	-0.007928	-0.05923	0.002323
244	-0.008874	0.032444	-0.028085	-0.031932	-0.002637	-0.048333	-0.016019	0.04473	-0.008382	0.04183	-0.000543	0.023687	0.014026	0.047284
245	-0.043677	0.020899	0.077258	0.088709	0.025222	0.057105	0.022603	-0.028514	0.01165	-0.024466	0.066858	-0.015584	-0.011607	0.011179
246	0.020383	-0.05859	0.057809	0.007313	0.018023	0.012875	-0.015799	0.003662	-0.021846	-0.004679	0.02936	0.032637	-0.021684	-0.00145

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
247	0.028381	-0.012988	0.016724	0.010907	-0.014132	-0.001741	-0.019828	0.009446	-0.009269	0.004408	0.029459	0.038514	0.02211	0.02763
248	-0.012781	0.046209	-0.012192	-0.011477	-0.032529	-0.01123	0.021065	0.001147	0.015703	0.032274	-0.02974	0.068521	0.037899	0.019946
249	-0.074547	-0.020625	-0.020971	0.083173	-0.028695	0.022977	0.037375	-0.01641	0.084271	0.012772	0.00705	-0.020788	0.005275	0.016459
250	0.001369	-0.080935	-0.019279	0.048304	0.035989	-0.029303	-0.053945	0.003602	-0.019905	-0.052698	0.00235	0.022955	0.095472	0.060496
251	-0.007508	0.058012	0.030885	0.026197	0.03178	-0.004723	-0.028536	-0.004704	-0.058729	-0.042147	-0.006392	-0.024964	-0.001501	-0.014726
252	-0.004598	0.056249	0.018019	0.016592	0.008834	0.033544	0.081994	0.037704	0.055531	-0.041988	-0.020062	-0.067962	-0.025761	-0.053694
253	-0.008954	0.008344	-0.030232	0.003466	0.001698	0.004934	-0.014037	-0.066632	0.039319	-0.065186	0.015315	-0.008961	0.005593	0.053166
254	-0.036316	-0.065572	-0.055507	-0.062935	-0.047815	-0.000632	0.022695	-0.062689	-0.06873	0.029692	-0.05214	-0.007673	0.014877	0.03442
255	-0.004258	0.000498	-0.030581	-0.058225	0.025247	-0.026347	-0.002391	0.013663	-0.011931	-0.004311	-0.015737	0.003326	-0.023132	0.019151
256	-0.04699	-0.001158	0.001791	-0.017145	0.026902	0.10579	0.087324	0.038829	0.103967	-0.022637	0.09209	0.006658	-0.074023	-0.009141
257	-0.009297	-0.075648	0.035585	-0.007383	-0.000537	0.069228	0.048827	0.023514	-0.025191	0.031984	0.055951	0.053209	-0.0233	-0.051411
258	-0.018849	0.002555	0.000051	0.044119	0.030617	0.011871	0.008236	-0.016428	-0.042633	-0.031257	0.035817	0.049833	-0.028818	0.011367
259	-0.027373	-0.023807	0.01336	0.000667	0.042622	-0.001482	0.032938	-0.027014	-0.06285	-0.003087	0.002639	-0.019465	-0.000054	-0.042763
260	0.073701	0.018049	-0.064473	-0.010488	0.096876	0.008658	0.043568	0.047111	-0.09041	-0.041328	0.014574	-0.018684	0.058831	-0.037876
261	0.019093	0.016192	-0.026629	0.028011	0.132659	-0.074627	0.014081	-0.016456	-0.033336	-0.048114	0.055693	-0.050171	-0.036262	-0.018032
262	-0.001468	-0.037441	-0.000433	0.018434	0.019522	0.015943	0.01142	0.004299	0.048955	-0.020155	0.02336	-0.04957	-0.059482	-0.010711
263	0.024922	-0.026764	0.025337	-0.003117	0.011793	0.057907	0.017645	-0.030023	0.055918	-0.014045	0.009338	-0.019575	-0.070068	-0.033759
264	-0.022052	-0.000567	-0.015153	-0.013755	-0.000805	-0.002548	-0.055324	-0.071417	0.007494	0.061241	0.037681	-0.049619	0.001191	-0.058548
265	0.010023	-0.114437	-0.049326	0.003479	-0.028228	-0.010042	-0.020127	-0.087195	-0.060742	0.022663	0.01218	-0.084233	0.001727	-0.017353
266	-0.03446	-0.068011	-0.053253	0.054608	0.032555	-0.062348	0.008679	-0.051417	-0.04149	-0.032929	-0.021563	-0.031363	-0.026423	0.018594
267	0.023209	-0.019699	-0.031575	0.002809	0.007525	-0.040857	-0.007587	-0.05351	0.03857	-0.062248	-0.007809	0.085236	0.102056	0.001784
268	0.005343	-0.033746	0.025969	0.028639	-0.029094	-0.005328	-0.00367	0.025495	0.032292	-0.049897	-0.023025	-0.02696	0.039001	0.009618
269	0.010352	-0.01133	0.029707	0.008887	-0.046838	-0.040853	-0.008009	0.016903	0.0205	-0.024684	-0.057622	-0.044954	0.045589	0.009175
270	0.046869	-0.018627	0.02862	0.001545	0.034093	-0.036744	-0.004445	-0.008322	0.01173	-0.041534	-0.023848	-0.047331	0.094767	0.017566
271	0.018323	-0.003586	-0.03593	0.189318	0.05514	-0.035291	-0.027278	-0.21456	-0.074425	-0.033825	-0.074196	0.015531	-0.020715	-0.080215
272	-0.004884	0.038029	0.007823	-0.015217	-0.008481	-0.017142	-0.049842	-0.051317	-0.03806	0.023796	0.021748	0.012942	0.012232	-0.085239
273	0.037463	-0.030338	0.043339	0.004568	-0.026303	0.066005	0.030531	-0.004655	0.001678	0.034607	0.011189	-0.052775	0.030954	-0.001177
274	0.045017	-0.025672	0.03528	-0.007365	-0.021449	0.051551	0.032922	-0.006085	-0.009413	0.048322	-0.002485	-0.052049	0.028637	-0.01072
275	-0.012475	-0.021202	0.068708	-0.0039	0.143443	0.0216	0.019802	-0.060322	0.025869	-0.041296	0.010089	-0.004844	0.067509	0.074625
276	-0.029569	-0.043603	-0.043485	-0.059122	-0.022205	-0.052722	-0.06629	-0.032907	-0.018266	-0.064599	0.051202	0.044605	0.000127	0.021219
277	0.018496	0.04059	-0.014684	-0.015676	0.002407	0.002347	0.00625	-0.002424	0.000029	0.040674	0.049188	0.008897	0.022312	-0.009832
278	0.0165	0.071727	-0.023445	-0.052494	0.010793	-0.026994	0.00013	0.001673	-0.022171	0.043703	0.012572	-0.02728	-0.008459	0.005028
279	-0.022176	0.104067	-0.029804	-0.004909	-0.038072	-0.038031	-0.053961	-0.039125	0.01557	-0.008367	0.006755	0.040892	-0.021246	-0.041741
280	0.067366	-0.014164	0.043452	-0.015947	0.088459	-0.036174	0.060928	-0.018101	0.050106	-0.064378	-0.007242	-0.059629	-0.033294	0.041553
281	0.084266	-0.002067	-0.012795	0.005358	0.041537	-0.022835	0.008738	-0.052934	-0.016207	-0.053204	-0.022496	0.036621	-0.04007	-0.057865
282	0.072289	0.030093	-0.014986	-0.019555	0.020942	-0.002329	-0.018347	-0.042044	-0.037362	-0.019975	-0.054087	-0.002086	-0.029222	-0.070337
283	0.051912	0.077374	-0.073926	-0.028131	0.001488	-0.029161	-0.001636	-0.011358	-0.004232	0.030328	-0.032859	0.040454	0.018783	-0.006331
284	0.021284	-0.036905	0.009636	-0.025362	-0.021725	0.060385	0.024649	-0.001978	-0.026335	0.028423	0.045358	0.041688	-0.019453	-0.055284
285	0.006126	-0.032782	-0.016296	-0.033107	-0.024921	0.068566	0.033021	0.008546	-0.044068	0.063773	0.002146	0.035846	-0.033147	-0.065223
286	-0.002288	0.010172	0.011929	0.000692	-0.013542	0.006952	0.038275	-0.035947	-0.035457	-0.019222	-0.010907	0.040292	-0.054424	-0.084294
287	-0.010077	0.056224	0.005404	-0.009199	0.008449	-0.001157	0.028296	-0.00816	-0.029206	-0.01388	-0.032584	0.012353	-0.051372	-0.05096

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
288	-0.037029	0.114298	0.001218	-0.019451	0.061756	-0.06307	0.00773	-0.035201	-0.037148	-0.00506	0.008923	0.024881	-0.015864	-0.008741
289	0.019794	-0.036646	-0.015062	-0.004549	0.033696	0.018283	0.036054	0.004193	0.008832	0.011773	0.053391	-0.004364	-0.02702	0.015547
290	-0.019912	0.03219	-0.004452	-0.043551	0.041829	0.003788	-0.015109	-0.02969	0.017324	0.068616	-0.008191	-0.023825	0.099732	0.011788
291	-0.023018	0.040847	-0.003066	-0.036872	0.048879	-0.003152	-0.012074	-0.029089	0.016195	0.066059	-0.006053	-0.017008	0.099532	0.006083
292	-0.052355	0.021232	-0.005068	-0.019011	0.006588	-0.012501	-0.029271	-0.050421	0.02658	0.048155	-0.016267	-0.012245	0.104933	0.015685
293	-0.085561	-0.018847	-0.014752	-0.009494	-0.013255	-0.116433	0.087922	-0.064487	-0.004891	-0.055671	0.070574	-0.095908	-0.034797	0.007311
294	0.003336	0.014053	-0.04113	0.052663	0.047416	-0.005577	0.023114	-0.060939	0.008071	0.0082	0.005726	-0.049557	0.088406	0.013476
295	0.006826	-0.041262	0.021347	-0.009298	-0.032478	0.004704	0.08116	-0.046774	0.002967	-0.007753	0.008296	-0.063265	0.01995	0.003709
296	0.069741	0.029575	0.012456	0.02171	0.08105	0.050907	0.003384	-0.042423	0.098045	-0.005148	0.013982	-0.05463	0.114322	0.045932
297	0.022622	-0.003136	0.004137	-0.028581	-0.045935	-0.020066	0.067154	-0.007918	-0.017385	-0.009638	0.019917	-0.075536	0.0152	-0.045143
298	0.08397	0.002359	-0.064017	0.064833	0.01639	0.01901	-0.048161	-0.021098	-0.068997	0.006656	-0.044731	0.060962	0.072983	0.060349
299	0.02066	0.025752	-0.046794	0.042195	0.009992	-0.079659	-0.005436	-0.020683	-0.041603	-0.05626	-0.051395	-0.049528	-0.004841	0.006593
300	0.043972	-0.12571	-0.0733	0.016751	-0.042779	0.03298	0.078752	-0.037312	-0.005385	-0.100879	-0.02953	-0.004907	0.036741	0.079644
301	0.003191	-0.028766	-0.009667	-0.008683	0.000217	-0.026324	-0.005823	0.023614	-0.018522	0.019113	0.004476	-0.009881	-0.036766	0.001856
302	0.015985	-0.017923	-0.00614	0.015429	0.093732	0.002295	-0.014328	-0.022964	0.036584	-0.014066	0.017027	0.020767	0.009153	-0.022285
303	0.043916	0.042462	-0.06781	0.080673	0.035357	-0.122446	-0.103206	0.034577	-0.031528	0.016391	-0.059746	-0.016641	0.048158	0.042344
304	0.036207	0.047726	-0.030979	0.046994	0.06955	-0.086602	-0.103168	-0.021897	-0.004568	-0.065523	-0.050183	0.0169	0.043936	0.036826
305	-0.062852	-0.091272	-0.016081	0.014879	-0.011262	-0.113596	-0.017925	0.018914	0.010374	0.046258	-0.001821	-0.024677	-0.030734	-0.032028
306	0.024009	-0.025326	-0.011397	-0.003326	0.01092	0.083124	-0.032026	0.028712	-0.020582	0.03527	0.037439	-0.022862	0.023579	0.012019
307	-0.003309	0.038326	-0.077019	0.03906	-0.02997	0.066258	0.011581	-0.070462	0.072508	0.092696	0.000856	0.022851	0.005283	0.039006
308	0.012406	0.031976	0.016589	-0.038974	0.015793	0.056816	-0.032377	-0.01087	0.0104	0.018044	-0.017725	0.009105	-0.029795	-0.005876
309	0.007445	0.011838	0.019858	-0.019438	0.022856	-0.010963	-0.021353	-0.026346	0.050105	-0.006003	-0.033744	0.024457	-0.017384	0.017299
310	0.08133	0.003836	0.008564	0.007645	0.059588	0.038706	-0.049119	-0.052356	0.044245	0.069291	-0.081123	0.037278	0.024898	-0.002788
311	-0.046318	0.010101	0.006553	-0.040495	-0.077052	-0.036889	-0.000526	0.061755	-0.022081	0.044009	0.047094	-0.034407	-0.014868	0.017334
312	-0.087878	0.11078	0.031866	-0.077077	-0.095598	0.025252	-0.071821	0.080773	-0.043269	0.085892	0.062927	-0.214335	0.00698	0.053212
313	0.042244	-0.015114	-0.015887	-0.095358	-0.065473	0.003456	-0.040105	0.053151	-0.068732	0.016967	0.028893	0.017127	0.003009	-0.001482
314	0.009251	0.093773	-0.122394	-0.006877	-0.029451	0.061183	0.05257	-0.072925	-0.040853	-0.04001	-0.137621	-0.063159	0.016579	0.060922
315	-0.005274	0.018598	-0.030732	-0.014609	-0.023838	-0.044258	-0.029216	0.048971	-0.021599	-0.024343	-0.054872	-0.007916	-0.027587	0.036092
316	-0.025091	0.017171	0.025879	-0.018203	0.159954	0.002625	-0.036775	0.038448	-0.06463	-0.059941	0.048185	0.005654	0.122152	0.061883
317	0.01197	-0.034992	-0.015537	-0.051745	0.030936	0.047902	0.017064	0.014232	0.003915	0.007421	-0.024493	0.022824	-0.047444	0.023587
318	-0.082831	-0.026847	-0.062357	-0.062778	-0.003612	0.035006	0.049544	0.012523	-0.012766	-0.129541	-0.080483	0.109183	0.036627	0.071009
319	-0.023147	0.00763	-0.034279	-0.021964	-0.010547	0.032126	-0.045864	0.03281	0.020324	-0.02039	-0.028969	0.032903	-0.037778	0.040451
320	-0.067679	0.014065	-0.030364	0.002048	0.027067	0.196456	-0.027669	0.029793	-0.02051	-0.060784	0.07513	0.022434	0.032207	-0.027877
321	0.0769	0.045051	-0.030614	0.037569	0.001336	0.018805	0.061176	0.049995	-0.036546	0.024653	-0.012097	0.032964	0.034225	-0.006812
322	0.030533	-0.106641	-0.048024	-0.115946	-0.006836	-0.044211	0.120158	-0.009825	0.131986	-0.057354	-0.04792	-0.062066	0.061207	-0.087479
323	-0.028508	-0.097448	0.0175	0.050199	-0.129175	0.027997	-0.042304	0.029428	-0.098722	0.042915	-0.07502	0.022709	0.028345	0.030255
324	0.049407	0.015726	-0.063419	0.030312	0.014619	-0.153298	-0.036562	-0.145248	-0.027358	0.052276	0.01795	-0.017217	0.047889	-0.073512
325	0.045271	0.009454	-0.003338	-0.036941	0.054133	-0.110584	-0.026273	0.046128	0.073757	0.032619	0.033004	-0.018645	0.017852	0.004107
326	-0.01993	0.098659	0.064047	0.007709	0.023914	-0.013389	-0.025444	-0.007501	0.061668	-0.052847	0.109006	0.019204	-0.044639	0.031222
327	-0.022799	0.019027	0.028955	0.002063	-0.006401	-0.025271	-0.044107	0.003597	0.025448	0.043369	-0.030433	0.052215	-0.017734	0.016825
328	0.054318	0.117602	-0.067193	0.075195	-0.026998	0.172844	-0.089698	-0.037037	0.026757	0.04989	0.134349	-0.025761	-0.107265	-0.084157

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
329	-0.039262	0.045668	0.042578	0.026635	-0.077325	-0.045224	-0.065852	0.082984	-0.005917	0.02743	0.005402	0.089722	-0.048206	-0.044306
330	-0.06648	0.004006	-0.016926	-0.134497	0.089901	-0.043281	-0.17286	0.108087	-0.111274	0.050441	-0.094282	-0.036245	0.014885	-0.147524
331	-0.052434	0.05117	0.003369	0.036327	-0.049079	-0.062894	-0.05322	0.03818	0.002641	0.018986	-0.000826	0.005675	0.034215	0.041627
332	-0.031102	0.068873	-0.056375	-0.05934	-0.03721	-0.002401	-0.063909	-0.085257	-0.081292	0.043452	0.043498	-0.011334	-0.031077	-0.02412
333	-0.046118	-0.004991	0.020613	-0.031892	-0.020718	-0.071045	-0.001687	0.050625	0.047683	0.023098	0.029673	0.030922	0.021737	0.034287
334	-0.150923	-0.001459	0.082858	-0.036063	0.018922	-0.029768	0.02505	-0.02598	0.154375	0.063116	-0.018661	-0.083575	0.0757	-0.134217
335	-0.064565	0.042817	-0.012264	-0.008901	-0.021064	-0.022995	-0.035013	0.026008	-0.008725	0.038473	0.014939	0.009112	-0.014535	0.07693
336	0.031562	-0.05895	-0.081849	0.02597	0.022529	0.007885	0.050383	0.099905	0.045025	-0.017542	-0.024403	0.012533	-0.00867	0.154631
337	0.015408	-0.013142	-0.041454	0.015721	-0.008292	0.037317	-0.086594	0.012031	-0.045246	-0.004215	0.010317	-0.050908	-0.011668	0.030304
338	0.003841	0.024993	0.045267	0.195983	0.030429	0.025972	-0.055594	-0.138696	0.151391	0.096954	-0.023609	0.030407	-0.048728	0.145404
339	-0.073559	0.039717	0.009634	-0.049523	-0.073229	0.029601	-0.087231	0.089353	-0.026069	-0.060643	0.03473	0.049437	-0.042031	0.056061
340	0.047951	0.121217	0.147531	-0.022929	-0.016296	-0.176393	0.177725	0.074812	0.001585	-0.102727	-0.045333	0.129652	-0.001646	0.04649

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
1	0.026496	-0.03312	0.030796	0.059297	0.041538	0.007998	-0.043809	0.03144	-0.012279	-0.026041	0.013455	-0.007481	-0.054495	-0.030831
2	0.018805	-0.053456	-0.009028	0.025909	-0.022549	-0.007583	-0.010575	0.010482	-0.021074	0.01118	-0.037832	0.036187	0.001121	-0.002659
3	0.06663	-0.051164	0.0482	0.033556	-0.004971	-0.012492	-0.007493	0.049267	0.003129	-0.0335	0.011637	-0.022816	-0.015843	-0.02476
4	-0.038358	-0.081837	-0.016698	-0.064831	0.061225	0.044902	0.049199	0.050932	-0.010461	0.00502	0.093857	-0.005694	-0.003001	0.060503
5	0.024061	-0.047637	-0.038654	0.048438	-0.054225	0.013928	-0.039219	-0.096405	-0.0586	0.000728	-0.033731	-0.017865	-0.034241	-0.030001
6	0.056974	-0.01503	0.05673	-0.140225	-0.111571	-0.021526	-0.021189	0.06288	-0.155377	-0.016501	-0.007644	0.06318	0.069099	0.025903
7	0.018962	0.071934	-0.050741	0.084363	-0.024507	-0.004772	0.051286	0.100304	0.025346	0.154875	-0.109699	0.066095	0.03397	0.037094
8	-0.042224	0.06848	0.078108	0.176963	-0.068492	-0.05944	-0.029176	0.07799	-0.093822	-0.10591	-0.099747	-0.012326	-0.047094	-0.065772
9	-0.063813	0.043474	-0.030283	-0.04985	0.025482	0.044938	-0.005308	-0.02941	-0.040054	0.093437	0.073304	0.113764	-0.054365	0.04276
10	-0.044682	-0.057799	0.042013	0.024516	-0.019037	0.0529	-0.001662	-0.026351	-0.019954	0.038966	0.095352	-0.039732	-0.057872	-0.037453
11	0.118642	0.074955	-0.0159	0.087327	0.062699	-0.07405	-0.099734	0.022257	-0.035322	-0.020331	0.022993	-0.038841	0.053671	-0.050112
12	-0.078009	0.029229	0.152571	0.226732	0.002656	0.014793	-0.052913	-0.016076	-0.017856	-0.005455	0.04115	-0.030149	-0.088574	-0.049481
13	-0.037453	0.002077	-0.005815	-0.032782	0.024694	0.101247	-0.072378	0.119423	0.023798	-0.055804	-0.048127	0.031685	0.001658	-0.014567
14	-0.047578	0.01218	-0.062857	0.019795	0.03767	0.129379	0.036905	0.117859	-0.097945	-0.090889	0.093102	0.12866	-0.011545	-0.036247
15	0.018452	0.054112	-0.069271	0.018913	0.034413	-0.052701	-0.053113	0.033345	0.030117	0.035943	-0.011865	0.039339	-0.072329	-0.084135
16	-0.11141	0.126903	-0.106354	-0.140367	-0.211428	0.014934	0.093615	-0.094814	0.024721	0.063184	0.023689	-0.095963	-0.093592	-0.127303
17	-0.072895	0.089948	-0.003111	-0.232316	0.0756	0.018715	0.072973	-0.08655	0.020068	-0.0216	0.03802	0.019035	-0.077996	0.010864
18	-0.034309	-0.028318	0.042109	0.045655	-0.059111	-0.010149	-0.036126	0.067381	0.067719	-0.015472	0.058523	0.112193	0.042618	-0.040112
19	0.08889	-0.103437	-0.001191	0.03627	0.048637	-0.044359	0.082899	0.060247	-0.001464	-0.028422	0.070868	-0.088883	0.074777	-0.096326
20	-0.006937	0.004769	0.030042	0.048555	0.019908	-0.038269	0.0292	0.047954	0.035269	-0.024503	-0.027605	-0.00729	-0.014911	-0.01772
21	-0.114716	-0.035601	0.058306	-0.047643	0.04836	-0.011099	0.003492	-0.065635	-0.015135	-0.025622	-0.000223	-0.033829	0.014652	0.095878
22	0.004823	-0.092921	-0.121406	-0.097934	0.078672	-0.023491	-0.045598	-0.047327	0.122511	-0.041161	-0.037437	-0.079237	0.06029	0.053505
23	-0.018856	0.096852	0.070026	0.031349	0.049781	-0.03554	-0.133501	0.043809	-0.024551	0.00949	0.002163	-0.048677	0.05875	0.004336
24	0.033264	-0.001649	0.002024	0.022559	0.010598	-0.00497	0.034003	0.037515	0.025941	-0.017057	-0.021675	-0.023927	0.183112	0.037833
25	0.007543	-0.066028	-0.044005	0.112284	0.12317	-0.000246	0.007092	-0.094648	0.071731	-0.047583	-0.044593	0.134556	0.061171	0.069743
26	-0.029786	0.003946	0.03833	0.031805	0.002463	-0.01223	0.012522	0.038937	0.029014	-0.020509	-0.023863	-0.041377	-0.007603	0.0042
27	0.004738	-0.002633	0.026639	-0.01055	0.008197	-0.007559	-0.009378	0.00715	0.01341	-0.007601	-0.013721	-0.003721	-0.001119	-0.033678
28	-0.052484	-0.081927	-0.021029	0.021769	0.024578	0.08392	0.007178	-0.003982	-0.001786	0.086562	0.052002	-0.051677	0.006451	-0.007517
29	-0.025021	-0.062098	0.226699	-0.075151	-0.037296	0.138592	-0.019164	-0.055364	0.112657	0.024732	-0.065312	0.13159	-0.033534	-0.012933
30	-0.032566	0.097958	0.00374	0.040738	0.027075	-0.027158	-0.049428	-0.028717	-0.004415	0.046979	0.074015	0.056663	-0.021335	-0.066445
31	-0.01833	0.114718	-0.094645	0.002054	0.053536	-0.039719	-0.012055	-0.07672	-0.012233	0.000742	0.003845	0.026102	0.051242	-0.007068
32	0.02067	0.017242	0.02614	0.027689	0.07358	-0.029002	0.052078	-0.010988	-0.046548	-0.052589	0.180904	-0.028348	-0.001805	0.003118
33	-0.063358	0.027587	-0.059819	-0.000505	0.008036	0.004031	-0.074268	-0.002024	0.013523	0.116521	0.000111	-0.109868	0.066163	0.006841
34	-0.012515	0.019662	0.015986	0.02645	0.004959	-0.018088	-0.038059	-0.033805	-0.048554	0.0015	-0.044472	-0.079265	0.000128	0.02037
35	-0.124803	0.045854	0.062129	0.038655	-0.029902	-0.115005	0.030144	-0.045535	-0.117021	0.039856	-0.17266	0.016822	0.069796	-0.10458
36	0.035122	0.121529	0.065483	-0.027075	0.063583	0.031572	-0.012044	-0.00926	0.005213	-0.077087	-0.075094	-0.108842	0.061633	0.052138
37	0.036622	0.040383	0.025035	0.033941	0.015556	0.007995	0.016318	-0.084363	-0.041139	0.033862	-0.043133	-0.082818	-0.019621	-0.002094
38	-0.042643	0.116986	0.070168	-0.146194	0.088066	-0.080328	-0.061968	0.007003	0.107856	0.019314	-0.10845	-0.029676	-0.033574	-0.03759
39	-0.02049	0.073485	0.032115	0.015239	-0.013065	-0.022906	0.168382	0.119777	-0.023581	0.021523	0.028186	0.015647	-0.055665	-0.018867
40	0.049006	0.027055	-0.006202	0.036576	0.004156	0.09382	-0.014227	-0.029646	-0.032979	-0.017517	-0.048878	0.038545	-0.044467	0.027804
41	0.030222	-0.057896	-0.030628	0.037057	-0.0143	0.076519	0.024222	-0.008066	-0.023401	-0.021397	-0.048262	-0.022161	-0.002289	0.013259

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
42	0.013306	0.016622	-0.03382	0.019095	-0.041815	0.081431	0.018435	0.01237	0.021833	-0.035551	-0.016832	-0.006585	-0.003496	-0.051689
43	0.021836	0.014177	-0.003987	0.015914	-0.014702	0.062462	-0.01131	-0.024363	-0.0308	-0.027189	-0.068459	-0.028597	-0.023054	0.053941
44	-0.03204	0.006662	-0.050355	-0.006874	-0.085505	0.072156	-0.018358	0.028706	-0.015661	0.026002	-0.019605	0.010856	0.083621	-0.035658
45	0.014336	0.023835	0.022951	-0.015057	-0.059066	-0.034041	-0.022609	-0.000064	-0.051417	-0.031518	-0.004081	-0.042481	0.011395	0.039536
46	0.026728	-0.041401	-0.002797	-0.09415	0.025616	-0.025406	0.025605	0.063249	0.004174	0.02826	-0.014458	0.105972	0.016678	-0.107808
47	-0.080261	-0.026314	0.039585	0.018279	-0.002184	0.021828	-0.011491	0.024592	-0.014526	0.012833	0.007951	-0.015327	-0.007625	-0.011291
48	0.064474	0.028329	-0.008176	0.035906	0.020176	-0.065181	0.070197	0.005791	-0.020827	0.063458	-0.075736	0.001647	-0.036523	0.037112
49	-0.01939	0.06831	0.006293	0.031009	0.010035	-0.049499	-0.057722	-0.038665	0.02261	0.010492	0.090002	0.044821	-0.018902	-0.09702
50	-0.038366	-0.042156	-0.006718	-0.025982	-0.039708	-0.035247	-0.061261	-0.064918	-0.063613	0.016807	-0.004042	0.047939	0.020128	-0.064918
51	-0.012336	0.048529	-0.010733	-0.062999	0.096303	-0.002487	0.121206	-0.00754	-0.022034	0.0065	-0.005141	-0.000609	-0.004422	-0.040116
52	0.007537	-0.043633	0.031165	0.095372	0.024192	0.021603	0.016671	0.000732	-0.019268	0.042378	0.055979	-0.015784	0.001535	0.054937
53	0.093375	-0.037096	-0.004816	-0.05031	0.013943	0.007987	0.059593	0.021013	0.010585	0.018627	0.025543	-0.022349	0.025631	-0.001634
54	0.021585	-0.033311	0.074955	-0.043501	-0.0188	0.017958	-0.019939	0.084748	-0.011776	-0.004338	0.022777	0.024613	-0.011988	0.048087
55	0.05749	0.006762	-0.010101	-0.018943	0.037402	-0.007821	-0.036152	0.026466	-0.047958	-0.015213	-0.014716	0.000638	0.00618	-0.035884
56	0.015898	0.032445	-0.010926	0.025678	0.011163	-0.039279	-0.038846	-0.035498	-0.041557	0.043465	-0.013929	0.013914	0.000999	-0.052018
57	0.002437	-0.003542	0.025587	-0.009073	0.029459	0.024771	0.004983	-0.065533	-0.051267	-0.041007	-0.007485	0.031889	-0.069699	0.017103
58	-0.003722	-0.006506	0.045282	-0.025221	0.010182	0.03029	0.133133	0.022042	0.020802	-0.047906	0.040159	-0.016091	0.005865	0.031601
59	-0.017353	-0.015309	0.01518	0.008137	-0.018607	0.002552	0.004749	-0.034864	-0.004426	-0.016057	0.136441	0.026102	-0.00611	-0.055493
60	-0.001676	0.00297	0.039299	0.017033	-0.071555	0.012467	-0.02085	0.035086	0.025466	0.00011	-0.050463	0.012715	0.073229	-0.011821
61	0.045204	-0.048647	0.009497	-0.044561	-0.004439	-0.008728	-0.00364	-0.004337	0.021352	0.005442	-0.0591	-0.049426	0.033399	-0.014499
62	-0.00799	-0.018281	-0.001001	0.039835	-0.071953	-0.043361	-0.095448	0.044752	-0.036587	0.08698	-0.009231	-0.038706	0.089465	0.022409
63	0.022462	-0.040691	0.013912	-0.021824	-0.047267	0.00404	-0.060185	-0.017759	0.063321	0.030699	0.000277	-0.125681	0.066395	0.067808
64	-0.026065	0.101438	0.003564	0.054822	-0.016755	-0.036434	0.025508	-0.028005	-0.016459	-0.003472	0.058814	0.023279	0.002058	-0.03314
65	-0.081717	-0.01369	0.034277	-0.01752	0.004115	-0.058869	0.051219	-0.085445	-0.020432	-0.024899	-0.024207	0.004559	-0.010421	-0.00241
66	0.025085	-0.023863	-0.02636	-0.049903	-0.038828	-0.019626	0.029662	0.017802	0.075708	-0.092126	-0.035647	-0.036715	0.139407	-0.043638
67	-0.109964	0.015388	0.015184	-0.015127	0.061962	-0.025137	0.054453	0.01764	0.167345	-0.00348	0.040362	-0.097153	0.032731	-0.007035
68	0.033676	-0.166802	0.097149	-0.041444	-0.032649	-0.054229	0.039893	-0.032877	-0.109618	-0.052036	-0.048749	0.026958	-0.014492	0.014806
69	-0.018104	-0.093305	0.019338	0.062211	0.084669	-0.076805	-0.010811	-0.055149	0.098547	0.054272	0.039539	0.056689	-0.081448	-0.006111
70	0.030923	0.029576	0.013279	-0.02843	-0.0843	-0.084599	0.05628	-0.014774	0.013437	0.106124	-0.015108	-0.07075	-0.027825	-0.038309
71	0.0093	-0.068521	-0.009694	0.006637	-0.029081	-0.047302	-0.011472	-0.076014	0.063675	0.021304	0.049587	-0.00309	0.002996	0.051762
72	-0.032025	-0.102265	0.032337	-0.050939	0.021718	-0.021588	-0.003664	-0.040804	-0.000423	0.051001	0.097292	-0.002332	0.014495	0.052194
73	-0.021328	0.046992	0.002499	-0.037871	-0.078762	0.035203	-0.107126	0.071133	0.08185	-0.08728	-0.079454	-0.079444	0.001932	-0.026072
74	0.036314	-0.023585	-0.083975	-0.008944	-0.023679	-0.055428	0.033414	0.004516	-0.085528	-0.009904	-0.097204	0.048887	-0.11245	-0.095706
75	0.021669	0.006422	0.005267	-0.008419	0.010574	-0.006548	0.002151	0.016203	-0.007561	0.004867	-0.005444	-0.037988	-0.011415	0.027365
76	-0.013834	0.028846	0.037526	0.038376	-0.065166	0.021392	0.001672	-0.075774	-0.01517	0.010187	0.005597	-0.064144	0.017402	0.129621
77	0.040154	-0.022366	0.007299	-0.002847	-0.008792	-0.060835	0.015429	-0.01908	0.011926	0.019691	-0.032519	-0.047683	-0.03107	0.050589
78	0.058222	0.02213	0.043539	0.00188	-0.016669	-0.068496	0.022649	-0.040632	0.010965	0.009312	-0.019899	-0.084151	0.000714	0.028036
79	0.027463	0.048774	-0.017151	-0.008553	0.072476	0.140481	-0.101985	0.025658	-0.03992	0.007502	0.022321	0.078505	-0.051154	-0.030363
80	-0.018148	0.055756	-0.027522	-0.010783	-0.036274	0.013314	0.10552	-0.015983	-0.097194	-0.13991	-0.041814	-0.058381	0.018742	0.014519
81	-0.137039	-0.043998	-0.155053	0.070209	0.003801	-0.001069	-0.024708	-0.018486	-0.072746	-0.00376	-0.115298	0.000038	0.120735	-0.090711
82	-0.028605	0.030008	-0.013306	-0.052995	-0.003433	0.00867	-0.030499	0.055721	-0.019513	0.061667	-0.026281	0.077075	-0.026454	0.038757

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
83	0.024974	-0.015092	0.025769	-0.054017	-0.01338	0.016463	0.000574	0.016507	-0.015893	-0.01469	0.027172	0.026179	0.045289	-0.051019
84	0.010875	-0.003747	0.04637	-0.015389	-0.088376	0.002327	0.007378	-0.037902	-0.015073	0.028562	-0.044434	0.050838	-0.005996	0.018974
85	-0.035134	0.055906	-0.069299	0.010369	0.09161	0.037014	-0.062829	0.024075	-0.147281	0.010767	-0.023852	0.107811	0.070293	-0.102725
86	0.043624	-0.01063	0.051444	-0.077419	0.014137	0.009413	-0.03254	-0.10706	-0.017386	-0.007401	-0.008718	0.049859	-0.050964	-0.023844
87	-0.027357	-0.043997	-0.015009	0.057808	0.055705	0.059013	0.039592	0.003148	0.000607	-0.010651	0.042998	-0.013711	0.127048	-0.00281
88	0.015295	0.047174	0.061041	-0.005343	-0.007309	0.010533	0.048165	0.035751	-0.007415	-0.006488	-0.028621	0.059096	-0.011656	-0.08799
89	0.014503	-0.041397	0.014547	-0.001305	-0.001058	-0.034241	0.015142	0.025478	-0.006226	-0.015783	0.01175	-0.010931	0.025845	-0.04769
90	0.026756	-0.065988	-0.063175	0.019974	-0.000162	0.003353	-0.000791	0.033562	0.000625	-0.059303	0.018701	-0.051347	0.051854	0.031303
91	0.066075	0.025018	-0.09447	-0.008098	-0.075026	-0.007824	-0.002065	0.035539	-0.06406	-0.049145	0.027377	-0.015646	-0.086858	0.018155
92	0.039777	0.112715	-0.08151	0.092208	-0.03397	0.008194	0.163257	-0.005137	0.030306	-0.019127	-0.030344	0.014651	-0.06301	-0.032605
93	-0.009562	-0.031159	0.015609	-0.011332	-0.019577	-0.095966	-0.025117	-0.036746	-0.046517	-0.099491	-0.063051	-0.07777	-0.013692	0.134953
94	0.050629	0.016202	0.007076	-0.031123	-0.095921	0.025527	-0.098556	-0.046323	0.155197	0.102092	-0.015658	0.07481	-0.117573	-0.01461
95	-0.057712	0.051068	0.055709	-0.054551	0.025039	0.032528	-0.026551	0.046248	-0.081903	0.074175	-0.000688	-0.012065	0.019052	0.005954
96	0.130222	0.012494	-0.082323	-0.056972	-0.040216	-0.032929	-0.040065	-0.091808	-0.021263	0.045355	-0.048319	0.071394	-0.000673	0.037085
97	-0.028546	0.037949	-0.078649	0.062818	-0.001511	0.065437	0.002339	-0.011941	0.08194	-0.102438	-0.082532	-0.024797	0.071221	-0.051473
98	-0.008604	0.00895	-0.046126	0.020339	0.005904	-0.017338	0.019828	0.049749	-0.035109	-0.006416	0.004831	0.012047	0.009733	0.032736
99	-0.027887	-0.015974	-0.03425	0.049519	0.041898	-0.069121	0.015909	0.008833	0.014187	-0.008519	0.01714	0.051379	-0.019811	0.058877
100	-0.040039	-0.005514	0.086535	0.027996	0.085432	0.053601	-0.003476	0.061438	-0.069631	0.03755	0.037916	-0.049348	-0.018615	-0.028359
101	-0.028984	-0.005561	-0.006646	0.0306	-0.029562	-0.055437	-0.019824	-0.011135	0.026301	-0.033207	0.010459	0.036488	0.048226	0.0324
102	-0.076542	0.017577	0.005742	0.056706	0.013121	0.025654	0.022034	-0.031497	-0.034098	0.050412	-0.028036	-0.035322	0.027164	0.054664
103	-0.058445	-0.027429	0.011858	0.027103	-0.029037	-0.003821	0.03613	-0.000049	-0.07477	-0.145302	-0.000589	-0.089058	-0.005814	-0.11122
104	-0.137148	0.107363	0.108597	0.049731	0.05186	-0.025499	-0.0334	0.01054	0.09188	-0.079934	-0.048455	-0.012129	0.036742	0.048016
105	-0.092829	-0.004624	0.109666	-0.018401	-0.095783	-0.188214	0.083103	0.003086	-0.071631	0.159966	-0.028301	-0.047201	0.001638	-0.027865
106	-0.001	0.039628	0.025156	-0.060912	-0.01405	0.00171	-0.044966	-0.059302	-0.05921	-0.052241	-0.018137	-0.126771	-0.097795	0.015674
107	-0.025186	-0.014508	-0.005467	-0.118494	-0.088625	0.090045	-0.0731	-0.075102	0.067031	-0.083761	0.000208	-0.01242	-0.065771	0.050733
108	-0.096407	-0.007025	0.055353	0.001542	0.059077	-0.030584	-0.025693	-0.038786	0.006562	0.001823	-0.033292	0.170706	-0.024777	0.110836
109	-0.169933	-0.004267	0.059066	-0.056582	-0.097189	0.049592	0.075624	-0.056244	-0.073787	0.030124	0.096864	0.059673	0.03959	-0.06038
110	0.139885	-0.016918	0.042517	0.058308	0.066896	0.055453	-0.0081	-0.042754	0.057223	0.001821	-0.035744	0.019123	-0.023312	-0.028671
111	0.011962	0.084852	0.07031	0.108949	-0.069612	0.068273	-0.107521	0.118569	-0.02029	0.079768	0.040371	0.123151	0.007905	-0.044161
112	0.028098	-0.07282	-0.006307	-0.086225	0.062831	-0.107896	0.154745	0.054834	0.015763	-0.072835	-0.129023	-0.005781	0.044558	-0.002957
113	-0.090272	0.021261	-0.096404	0.044937	-0.127663	-0.134819	-0.057605	0.097774	0.046592	0.058937	-0.083896	-0.023514	-0.116499	0.001296
114	0.067234	0.073324	-0.121193	-0.096832	0.274213	-0.140098	0.025849	-0.101197	-0.044662	-0.020095	-0.007158	-0.018927	-0.110652	0.067809
115	0.074206	-0.036582	-0.065081	-0.04578	-0.096072	-0.043976	-0.060539	-0.014428	0.048827	0.061494	-0.023771	0.074905	0.065892	0.002532
116	-0.152985	-0.177525	0.040274	-0.112577	-0.061808	0.032136	-0.013114	0.055112	-0.087667	-0.013413	0.007507	-0.001864	0.05552	-0.042121
117	0.015807	-0.075307	-0.024341	-0.107737	0.032777	0.023984	-0.06061	-0.1187	0.039328	-0.079677	0.048711	0.040707	0.020006	-0.037344
118	-0.080328	0.072503	0.026499	-0.049483	0.036941	0.121966	-0.072158	-0.068804	0.127981	0.032994	0.026466	0.095451	0.078644	-0.037994
119	-0.035185	0.032795	0.063265	-0.001719	-0.009028	0.044621	0.003855	-0.026448	0.071539	-0.030661	0.025933	-0.080807	0.016935	-0.016272
120	-0.009528	-0.017387	-0.00666	-0.031655	0.022967	0.052608	-0.075143	-0.031018	0.017238	-0.065367	0.009021	0.057356	-0.017148	0.030738
121	0.079908	-0.076559	-0.029475	-0.038955	0.051131	-0.050991	-0.024016	0.028349	-0.031334	0.006586	0.037263	0.004656	-0.009308	0.03291
122	-0.011096	0.049772	0.034975	-0.076293	-0.093018	-0.0128	-0.014768	0.004265	-0.063327	-0.036201	-0.013876	0.038811	0.078387	-0.000887
123	-0.009211	0.039974	0.03087	-0.036923	-0.042978	-0.021506	-0.021556	-0.059575	-0.045619	-0.031433	-0.004129	-0.016342	-0.003478	-0.002144

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
124	-0.054549	0.011314	0.067107	-0.023863	0.010516	-0.010968	0.02621	-0.012479	0.076996	-0.010446	-0.020344	-0.056565	-0.019756	-0.01818
125	0.030151	-0.029188	0.008238	0.030525	-0.049788	-0.015573	0.041126	-0.011655	-0.043096	0.028334	-0.059069	0.090125	-0.014669	0.087092
126	-0.046018	0.004997	-0.000205	-0.011369	-0.028969	-0.022488	-0.002194	0.01158	-0.006587	0.04458	-0.010246	-0.037406	-0.119035	-0.032456
127	-0.013724	-0.003691	0.006615	-0.003528	-0.033918	0.040293	0.06637	0.053703	0.025957	-0.021414	0.04722	-0.044739	-0.036533	-0.011086
128	-0.001882	-0.003528	0.022253	0.011288	0.000817	-0.025614	-0.008612	0.018071	0.011799	0.0156	-0.063287	-0.090386	0.013133	-0.020662
129	0.072582	0.061217	-0.050326	0.056481	0.034998	0.036732	0.094175	-0.039745	-0.00392	0.081862	-0.063191	0.103601	-0.005514	0.024757
130	0.012892	0.06141	0.051634	0.045866	-0.002208	-0.071095	0.043796	0.013534	0.012378	0.005996	-0.006179	-0.111686	0.229719	0.106837
131	-0.006956	0.051817	0.034016	-0.063397	0.014129	0.056421	-0.073903	0.038998	0.062033	-0.10568	-0.075203	-0.082329	0.041837	-0.040654
132	-0.070456	0.036837	-0.034301	-0.035917	-0.054446	-0.011585	0.012132	-0.055365	-0.032063	0.08745	0.094068	0.04296	0.054768	-0.052777
133	-0.112815	-0.046783	-0.00189	-0.013903	0.011612	0.148112	0.022241	0.048415	-0.033018	-0.03539	0.02491	-0.012917	-0.020875	0.05867
134	-0.008086	-0.062251	0.045847	-0.033261	-0.008298	-0.120977	0.053959	0.052614	0.007483	-0.088287	0.03039	0.092194	0.015667	-0.056811
135	0.023186	0.001104	-0.057343	-0.028579	-0.036278	0.039683	-0.02848	-0.020831	-0.038143	-0.053596	0.003902	-0.035543	-0.07729	-0.01264
136	-0.068432	0.009088	-0.016834	0.047955	-0.064809	-0.036017	-0.039614	0.013204	-0.051012	0.070813	0.063399	0.009679	-0.003632	0.137949
137	0.002261	-0.049858	0.020619	0.019275	-0.023809	-0.09084	0.044649	0.062442	0.05024	0.108349	-0.03593	0.002131	0.066808	-0.014581
138	0.047933	-0.019355	0.012615	-0.126586	-0.097907	-0.03067	0.003871	0.095292	0.128596	-0.031126	-0.003419	-0.083085	-0.09588	-0.026242
139	-0.01496	-0.066015	0.018185	0.139178	-0.065757	0.00171	-0.127092	-0.040409	0.076291	0.116233	0.054461	0.012951	0.023692	0.00143
140	-0.012401	0.044499	-0.026687	-0.044352	0.04885	-0.156228	0.053484	0.017333	-0.087811	-0.066246	0.007441	-0.041356	-0.051253	0.000527
141	0.034317	-0.077869	0.126244	-0.051195	0.082419	-0.041415	-0.06958	0.050376	-0.058639	0.139404	-0.023241	-0.04823	-0.046491	-0.082146
142	0.015981	0.051826	-0.03545	0.028363	0.03954	0.02005	-0.093493	-0.032242	-0.025245	-0.045856	-0.061547	-0.057888	0.114359	-0.136159
143	0.023775	0.023076	0.054494	0.020981	0.070835	-0.027097	0.0271	-0.158699	-0.06311	-0.060721	-0.082568	0.080753	0.031428	0.155968
144	0.018429	-0.016665	0.042775	0.018012	0.076298	-0.036681	0.05875	0.01495	-0.031577	-0.011722	0.035273	-0.049211	-0.066425	-0.012775
145	-0.039592	0.038058	-0.14544	0.032679	-0.077935	-0.05636	-0.014044	-0.059454	-0.012966	-0.103235	-0.035888	0.059067	0.020617	0.121112
146	-0.018984	-0.002107	-0.039749	0.002797	-0.021561	0.050532	0.021753	0.054894	-0.016105	-0.008503	-0.039243	-0.011668	-0.015775	0.033359
147	-0.042545	0.040109	-0.085369	0.030269	0.119198	-0.02935	0.027563	-0.002438	-0.109238	-0.008234	-0.052684	-0.052244	-0.020242	0.015801
148	-0.016095	0.029729	-0.058757	0.002995	0.023104	0.101215	-0.171007	0.018309	0.007482	0.006391	0.114161	-0.13709	-0.006974	-0.064529
149	0.093136	-0.013854	0.009139	-0.047362	0.039889	-0.116603	-0.107575	0.036621	-0.057604	-0.021939	0.019518	0.143001	0.049375	-0.11765
150	0.011633	0.045628	-0.059498	0.087576	-0.086828	0.094979	0.041027	-0.008912	0.114709	-0.027315	-0.093902	0.050946	-0.063016	0.040406
151	-0.066615	-0.129005	0.086349	0.087809	0.000757	-0.115115	-0.053167	-0.076489	-0.003531	-0.127206	0.191552	0.043385	0.106521	0.016785
152	0.062884	-0.080302	-0.041808	0.003177	0.005873	-0.069362	0.068172	0.077828	0.012568	-0.000925	0.018327	0.026063	0.040295	-0.062989
153	0.00532	-0.076574	-0.09585	0.11295	-0.017162	-0.03904	0.004678	-0.000225	-0.05036	0.047888	-0.013986	0.024995	0.054604	-0.07656
154	0.017643	0.048218	-0.028336	0.070468	0.030932	-0.030195	-0.064834	0.040993	0.000154	-0.031801	-0.036939	-0.068917	0.052873	-0.041194
155	0.0646	0.097524	0.028316	0.020436	0.012666	0.073828	0.079137	0.005091	0.086776	0.115526	0.035555	0.039345	-0.044063	0.053517
156	0.055635	-0.040702	-0.011917	0.073849	0.033448	0.165881	-0.048716	0.059415	0.0367	-0.145688	-0.019958	-0.02769	-0.049424	0.053163
157	-0.042716	0.011153	-0.036041	-0.063035	-0.072434	0.117003	-0.024048	-0.01204	-0.029379	-0.032234	-0.074321	-0.009177	-0.092058	0.028696
158	0.047722	-0.040105	0.112383	0.042488	0.27651	-0.052588	0.034984	0.020557	-0.020537	-0.030056	-0.101438	0.032372	-0.075047	-0.075582
159	-0.049038	0.169141	0.009811	-0.002418	-0.077438	0.03899	-0.067513	0.067879	-0.08209	-0.160428	0.080354	0.028575	-0.078478	-0.029924
160	-0.103553	-0.170318	0.083713	0.039482	-0.040886	0.001164	-0.095882	0.031777	0.014404	-0.053431	0.002324	0.020923	-0.085211	-0.006668
161	0.053023	-0.069525	0.086118	0.086292	0.091718	-0.030658	-0.0029	-0.252075	0.124185	-0.039913	0.013827	-0.078247	0.036554	-0.027203
162	-0.069379	0.003813	-0.000813	-0.154904	0.027249	-0.013851	-0.032308	-0.007258	0.033902	0.042892	-0.104553	0.025111	0.021008	0.081422
163	0.05981	-0.104908	-0.058598	-0.060004	-0.002016	0.013547	-0.116831	-0.016299	0.040799	-0.051996	-0.045434	-0.032757	0.028273	-0.073902
164	-0.094392	-0.089543	-0.082587	-0.010971	0.067341	0.011025	-0.061078	0.100186	-0.05106	-0.060245	0.014124	-0.059195	0.098378	-0.028179

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
165	0.115173	-0.026129	0.137178	0.047608	-0.124629	0.08891	0.075868	-0.051277	0.062217	-0.00173	0.078613	0.135258	0.018356	0.135691
166	0.038149	-0.001488	-0.042449	-0.13787	-0.0867	0.021651	-0.064381	-0.064798	-0.02831	0.021755	0.07059	0.058071	0.076135	0.002439
167	-0.138734	0.066499	-0.095367	0.022664	-0.009467	-0.10103	0.048038	0.076687	-0.085491	0.02999	0.090563	0.020703	0.038681	0.102123
168	-0.095293	-0.116096	0.010584	0.029423	-0.031987	0.023661	0.046777	-0.067604	-0.061952	-0.086106	-0.117424	-0.035181	-0.009315	-0.007708
169	0.004985	0.008586	-0.030132	0.000468	0.040053	-0.015875	0.030704	0.021687	0.034469	-0.03706	0.021091	0.00366	-0.024621	0.044175
170	0.007236	-0.014417	-0.014864	0.004156	0.040927	-0.041395	0.000657	0.048232	0.068796	-0.055504	0.005891	-0.010055	-0.017168	0.018798
171	0.046061	-0.042808	0.000811	0.002313	0.035101	-0.024513	0.025572	0.00939	0.020938	-0.003553	0.043684	-0.003763	-0.029857	-0.010797
172	-0.032522	-0.032661	-0.024707	0.044864	0.072479	-0.030466	-0.004446	0.023567	0.041971	0.039586	0.032823	-0.01978	-0.034961	0.092363
173	0.026594	0.013569	-0.05441	0.029711	0.023698	-0.014936	-0.000646	0.040857	0.034185	0.041072	0.032236	0.009459	0.014716	0.046456
174	0.052061	-0.019503	-0.004345	0.040767	-0.008336	-0.004042	-0.029203	-0.014607	-0.034677	-0.031344	0.053884	-0.035621	0.035061	-0.020454
175	0.020552	-0.022781	0.082839	-0.073627	-0.085171	0.069297	0.121167	-0.094691	0.102777	-0.012788	-0.084929	0.105926	0.033036	-0.067305
176	-0.074544	-0.09876	0.01601	-0.052925	0.00014	0.026167	0.0035	0.028551	0.084412	0.015728	0.023577	0.021209	-0.020835	0.024667
177	-0.026057	-0.026403	-0.09061	0.040111	0.004155	0.034554	-0.131887	-0.172971	-0.065133	-0.034038	-0.05638	-0.078262	-0.081329	-0.018239
178	0.027778	-0.064009	0.018461	0.050263	-0.022793	0.021956	0.005714	-0.034516	0.018685	0.055185	-0.0715	-0.032326	-0.00987	0.012526
179	0.00439	0.036395	-0.033991	0.028047	-0.034668	0.015769	0.018003	-0.033527	-0.019055	-0.022087	-0.013295	0.005616	0.029512	-0.018749
180	0.025601	0.022647	-0.029413	0.018475	-0.012343	-0.015443	-0.019466	0.010504	-0.016021	0.019729	-0.024681	0.037018	0.004572	0.030482
181	-0.000627	0.008328	-0.013305	0.015026	-0.020288	-0.015788	0.017955	-0.019461	-0.008953	0.01798	0.014196	0.038995	0.023606	-0.023546
182	-0.021621	0.032792	0.02607	0.019706	0.064361	0.047944	-0.007876	0.036747	0.011824	0.059224	0.002276	0.006286	0.020574	-0.060525
183	-0.000246	0.068144	-0.005766	0.041081	-0.014931	0.01456	0.047992	-0.015008	-0.045222	0.028245	0.002415	-0.037971	-0.012583	-0.081073
184	0.051251	0.018404	0.050327	0.000012	-0.052923	-0.106554	0.005447	-0.068807	0.002598	-0.04686	0.12568	-0.066854	0.006727	-0.097009
185	0.222223	-0.123936	-0.01292	-0.04492	-0.031832	0.017255	-0.080392	0.026372	0.033027	0.085342	-0.015673	0.029654	-0.035691	-0.019179
186	0.043173	0.053072	-0.054177	0.045547	0.084844	0.006437	-0.044446	0.060161	-0.051126	0.053371	0.071638	-0.027429	0.139549	0.114538
187	-0.059825	0.128384	-0.035087	0.020919	0.045958	-0.013123	-0.020467	0.052503	0.037781	0.042571	0.02636	-0.024296	0.013793	0.058083
188	-0.006726	0.085711	-0.013825	0.021909	0.018333	0.011841	-0.066964	0.010578	-0.001322	0.027657	0.036342	-0.06272	-0.034855	0.049567
189	-0.025726	0.082741	0.025493	-0.042596	-0.050482	0.024691	-0.07027	0.021245	-0.062881	0.011542	0.048005	-0.046247	-0.036625	-0.019243
190	-0.062948	0.049893	0.059689	-0.039221	0.014115	-0.114256	-0.046472	-0.021772	0.062859	0.003298	-0.010941	0.010212	0.016603	0.03556
191	-0.048737	0.072599	0.063791	-0.03663	0.002376	-0.028552	-0.011142	-0.03612	-0.022782	-0.042251	0.028308	0.030245	0.017045	-0.006214
192	0.021183	0.053783	0.031617	-0.042303	0.033453	0.028191	-0.008464	0.059353	0.031426	0.10897	-0.00973	-0.078406	0.09424	0.056076
193	-0.025613	-0.037777	0.002138	-0.015426	0.04644	0.028444	-0.092448	0.032631	0.015219	-0.006519	-0.006902	-0.044198	0.097581	-0.033463
194	-0.044969	0.04401	-0.146702	0.016008	-0.107398	-0.009714	0.049393	-0.063036	0.058103	-0.04253	-0.070538	0.10903	0.00124	-0.017716
195	0.000789	0.048937	-0.094621	-0.122007	0.024462	0.045747	0.006425	0.012941	0.008015	-0.061933	-0.019054	0.054745	0.086418	-0.016818
196	-0.011157	0.011656	0.012935	-0.131573	0.018038	-0.034414	0.010192	-0.043608	0.011988	-0.018073	0.000736	0.062693	0.061143	0.007014
197	-0.026143	0.079577	0.080137	-0.085162	0.110018	-0.067064	-0.053571	0.125405	-0.054033	-0.07794	-0.017548	0.017032	0.042943	0.015825
198	-0.033114	-0.125406	-0.008782	-0.0002	-0.015396	0.053112	0.003253	0.021025	0.034759	-0.053862	-0.163124	-0.109679	-0.008318	-0.081463
199	0.13676	0.140084	0.087881	0.02609	0.00168	0.073459	-0.035533	0.118558	0.042144	0.005144	0.072631	0.098427	0.076887	0.024046
200	-0.057526	-0.147814	-0.082814	0.094661	0.048402	0.033323	0.053073	-0.009316	-0.036055	0.125404	0.035231	-0.008497	-0.09612	-0.085578
201	0.001523	-0.089112	-0.053766	-0.014516	0.002822	0.05004	0.018583	0.138379	0.049449	0.049903	0.034309	0.060573	-0.06487	0.122113
202	0.013864	-0.089084	-0.060892	-0.033367	-0.034601	-0.013588	-0.016541	0.148213	0.015753	0.019339	-0.066865	-0.026776	-0.047355	0.108884
203	-0.008537	0.024366	-0.02725	0.047841	0.00428	0.052861	-0.009877	-0.003578	-0.121009	-0.039489	0.033815	0.031742	-0.02801	0.008404
204	-0.09057	-0.014652	0.001029	0.022985	0.070721	-0.083731	0.021427	0.051378	0.091378	-0.021969	-0.047661	0.103885	-0.092981	-0.088901
205	-0.004683	0.018865	0.011411	0.039191	-0.071078	-0.060836	-0.00917	0.018391	0.091689	0.037966	0.02986	-0.047863	-0.020009	0.006426

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
206	0.028384	0.011624	0.039195	0.05254	0.060498	0.022052	-0.125314	-0.058386	0.014765	-0.029071	-0.027134	-0.025349	-0.084315	0.015435
207	0.015419	0.007476	0.088224	-0.106626	0.064434	0.120911	0.057404	-0.074031	-0.107919	0.036281	-0.029241	-0.095089	0.146808	-0.042535
208	0.069333	-0.118574	-0.102222	0.077141	-0.151675	-0.027086	-0.013473	0.07164	0.004281	-0.105888	0.013455	0.111667	-0.043244	-0.047516
209	0.126383	0.031335	-0.095873	-0.078601	0.001144	0.028332	0.056135	-0.033324	0.050847	0.014683	0.002468	0.026755	-0.007685	-0.052497
210	0.000587	-0.008975	-0.039369	-0.021919	-0.016527	0.094727	0.09731	0.014206	-0.076247	0.146372	-0.015396	0.005929	0.098846	-0.040118
211	0.142497	0.078473	-0.142249	0.066134	0.00496	-0.060235	-0.041827	-0.057727	-0.110169	0.038169	-0.057132	-0.061614	-0.118226	0.087502
212	-0.008867	0.012876	0.012155	-0.07226	0.062445	0.015572	-0.050094	-0.001069	0.057658	0.165752	-0.061189	-0.000107	0.059135	-0.025616
213	-0.103066	-0.026553	0.105502	0.07219	-0.071873	-0.066991	-0.056597	-0.027456	-0.073432	0.037295	0.050786	0.060734	0.01123	0.045682
214	0.021764	0.04351	-0.043948	-0.01277	-0.057406	-0.00039	-0.036293	-0.025976	-0.031938	0.015214	-0.02129	-0.03558	-0.009525	0.024703
215	0.027853	-0.061673	-0.017365	0.010453	-0.035769	0.01937	-0.014697	-0.152514	0.004212	-0.055875	0.073361	0.114079	-0.000572	-0.094158
216	-0.104365	0.033972	0.043107	-0.02761	0.040585	0.04285	0.103646	0.074582	-0.032349	-0.056673	0.001356	0.030517	-0.019628	-0.058217
217	0.022892	0.113633	0.058795	0.076087	0.035943	0.025908	0.01775	-0.040496	0.041251	-0.048667	0.057951	-0.062555	-0.110864	0.011887
218	0.03095	-0.016489	-0.089829	-0.047219	-0.032314	0.029126	-0.035358	-0.018014	-0.032848	-0.025275	0.034683	0.02302	0.039886	-0.003711
219	0.019292	0.002865	-0.042624	-0.005966	0.003877	0.038591	-0.030589	-0.008482	-0.027071	-0.02398	0.037452	-0.04436	0.029829	-0.010747
220	0.038098	0.059061	0.081866	0.044006	-0.034426	0.0298	0.024122	0.015844	-0.022062	0.008658	0.075899	-0.048086	-0.028828	0.011651
221	-0.025291	0.007743	-0.061968	-0.027701	-0.020424	-0.013767	-0.019872	0.01746	-0.070376	0.020986	-0.006442	0.013571	-0.064865	0.000415
222	0.008895	0.001102	0.000255	-0.007187	-0.048586	0.057978	0.026575	-0.026715	-0.073811	0.053075	0.034849	-0.036017	-0.041058	-0.005504
223	-0.044852	-0.048336	-0.030124	0.012527	-0.055938	0.038574	0.059293	-0.064403	-0.049462	0.033211	-0.023432	0.054034	0.039936	-0.040767
224	0.058108	0.008629	0.023979	-0.000769	-0.035221	-0.115883	-0.053819	0.019076	0.03868	0.007176	0.014669	0.044146	0.043416	-0.021229
225	0.045844	0.004172	-0.010446	0.051312	-0.047548	-0.095092	-0.004714	0.026096	0.050955	-0.007188	0.020082	0.049407	0.069683	0.031575
226	0.043051	-0.011829	0.01778	-0.005513	-0.001397	0.00326	0.000424	0.020513	-0.042013	0.063173	-0.031791	-0.001966	0.035416	-0.010096
227	0.016753	0.024522	0.057116	-0.010417	-0.005274	-0.050366	-0.062204	-0.02471	-0.000185	-0.058508	0.002059	0.031759	-0.005148	0.096846
228	-0.010021	0.036805	0.030705	-0.109497	-0.032589	-0.118298	-0.095512	-0.016657	-0.057544	0.145084	-0.032992	0.039753	0.006004	0.002076
229	-0.085271	0.009892	-0.05282	0.005551	-0.047722	-0.068861	0.061865	-0.044544	0.025112	-0.135155	0.073857	0.025525	-0.001487	-0.026429
230	-0.062841	-0.026042	-0.00228	0.041205	0.001042	-0.015655	0.070147	-0.001872	0.005463	-0.004427	-0.057253	0.007032	-0.030686	0.010978
231	-0.024323	0.058585	-0.058249	0.006851	0.06804	-0.038785	-0.086627	0.035515	0.049216	-0.043642	0.064622	0.03729	0.054383	-0.046547
232	0.089666	-0.050195	0.072476	-0.019453	-0.029706	0.084899	-0.139268	0.018959	-0.192894	-0.094347	-0.049415	0.084615	0.089927	0.133043
233	0.005598	-0.059526	-0.03251	0.032594	0.012983	0.024182	-0.002392	0.076339	0.025011	-0.005108	-0.073865	0.010915	-0.071809	0.03395
234	-0.027217	-0.030082	-0.073657	0.056666	0.011114	0.00367	-0.000353	0.052786	0.068919	0.004251	-0.059191	-0.025423	0.003689	0.007441
235	-0.019111	0.003131	-0.066195	0.023143	-0.03802	0.019323	-0.081554	-0.071874	0.035332	-0.044096	0.04282	-0.052726	-0.060183	-0.00518
236	-0.005163	-0.047656	0.021407	0.005369	0.062406	0.00504	-0.012234	-0.046153	-0.070741	0.025894	-0.027237	0.04401	0.003585	-0.026555
237	-0.066592	-0.026354	-0.009478	-0.056783	-0.001051	-0.025668	-0.051436	-0.000461	0.012074	-0.017951	0.026477	0.06296	0.042619	0.083393
238	-0.016519	-0.007182	-0.021064	0.009714	-0.01306	-0.011781	0.00338	0.027448	0.070935	-0.028461	0.040122	0.031298	0.031743	0.043432
239	0.048132	-0.001683	-0.01803	0.03289	0.01472	0.025774	0.032673	0.022037	0.043237	-0.029327	0.021201	-0.013435	0.029299	0.011686
240	-0.019001	0.010495	-0.053099	-0.00245	-0.0085	-0.080265	-0.058512	0.037981	0.057584	-0.014174	-0.018324	0.035006	-0.054138	-0.051152
241	-0.037086	-0.033945	-0.077783	-0.040181	0.0009	0.012328	0.007664	0.001984	0.045536	-0.018955	-0.029639	0.006049	-0.061008	0.001477
242	0.032759	-0.040003	0.016078	0.029743	0.044154	0.061909	0.058948	0.019729	-0.013037	0.004051	0.056639	-0.063798	-0.031576	-0.03452
243	0.008615	-0.004499	-0.010188	0.024448	0.015877	0.064012	0.03821	0.000233	0.061073	-0.05457	0.072419	-0.054377	-0.031856	-0.011561
244	-0.000962	-0.017874	0.001781	0.007072	0.027378	0.003333	-0.00776	-0.030701	-0.039348	-0.013949	-0.013051	-0.016095	-0.062077	0.037781
245	0.055136	-0.028561	0.001504	-0.00174	0.039992	-0.008112	-0.003583	-0.037567	-0.02969	-0.002771	0.013837	-0.023998	-0.066598	0.045225
246	0.010003	-0.015269	0.025107	0.018982	-0.00353	0.007428	0.007609	0.072089	0.056303	0.036482	0.020443	-0.033304	0.001617	-0.01209

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
247	-0.002286	-0.034008	-0.064797	0.07256	0.011793	-0.020293	-0.013488	-0.019303	0.052172	0.072241	-0.019093	-0.019988	-0.003965	-0.016663
248	0.020035	-0.004769	-0.035489	0.048742	-0.01052	-0.001481	-0.090087	-0.05501	-0.011755	-0.004787	0.007769	0.010378	0.023522	0.008833
249	0.003853	-0.031345	-0.015208	-0.023273	0.012838	0.012718	-0.099793	0.040563	0.021939	0.001101	0.050162	-0.034022	-0.037616	0.109387
250	-0.024395	0.035604	-0.0417	0.001737	0.001048	0.017288	-0.000216	-0.003164	0.080747	0.025755	-0.072078	0.061135	0.003916	-0.038614
251	-0.009591	-0.046155	-0.047806	0.003074	-0.020393	-0.036685	0.040184	-0.012565	0.032005	-0.017759	-0.044556	0.001527	0.001818	-0.071835
252	0.050472	-0.037702	0.039939	-0.025565	0.069428	0.070471	0.091251	-0.033988	-0.054518	-0.05751	-0.014744	-0.029457	0.036849	0.034307
253	-0.029069	0.004162	0.043465	-0.028886	-0.060882	-0.025211	0.151654	0.022873	0.055553	-0.034251	0.038261	-0.024553	0.022844	0.029787
254	-0.018588	-0.056738	-0.038043	0.000669	-0.000942	-0.007555	0.007398	-0.073446	0.003709	-0.014071	0.016281	0.018208	0.036491	-0.004615
255	-0.054961	-0.037981	0.00753	0.003701	0.024719	-0.036248	-0.003387	-0.021483	0.001402	-0.000723	-0.019296	-0.032715	-0.036758	-0.041651
256	-0.001053	-0.025537	0.017456	-0.047222	0.001092	-0.001529	-0.044757	0.002637	-0.010062	0.00718	-0.00413	0.026847	-0.056831	-0.008738
257	0.00482	-0.016624	0.053278	0.055886	-0.015253	0.050726	0.084585	0.015653	-0.017307	0.016914	-0.05766	0.029548	0.008055	0.048385
258	0.007441	-0.01186	-0.084577	0.046799	0.018258	-0.004317	0.017859	-0.035858	0.012353	0.009272	0.01978	0.031606	0.041983	0.018265
259	0.000165	0.018029	-0.005481	0.02131	0.033658	-0.022183	0.022353	-0.029737	-0.011496	0.055576	0.053364	-0.02148	-0.020436	0.011117
260	0.024973	0.008315	0.060399	0.060331	-0.008453	0.021548	0.043482	-0.043375	-0.002559	0.002323	-0.022705	0.015325	0.104399	0.103382
261	-0.017821	0.019716	-0.006347	-0.038632	-0.003499	-0.059758	0.041019	0.020022	-0.038523	-0.048397	0.053187	0.009383	0.061675	0.010016
262	0.027402	-0.026551	0.062766	-0.007635	0.003012	-0.019908	0.014454	-0.040767	-0.050139	0.013312	0.007498	-0.02713	-0.045032	0.00313
263	-0.007408	0.000202	0.062574	0.019315	0.026185	0.005443	0.053272	-0.039906	-0.085249	0.029636	0.009838	-0.038903	-0.042824	0.021616
264	-0.058436	0.037274	0.018987	-0.066722	0.009045	-0.036029	-0.050348	-0.013874	0.008385	0.052039	0.04496	0.027803	-0.071887	0.034171
265	-0.010491	0.046609	-0.010836	-0.06651	0.049386	0.022022	-0.033834	-0.028936	0.028894	-0.046628	-0.022509	0.043096	0.003638	-0.0338
266	-0.004367	0.031516	-0.053769	-0.051603	0.026607	0.022465	0.013567	0.042429	0.010473	-0.091385	-0.076505	-0.033688	0.018585	-0.092512
267	-0.006975	0.01743	-0.020359	0.083158	-0.027967	-0.048923	-0.031977	0.082283	0.078865	-0.025893	0.128481	0.023196	0.072915	-0.03769
268	0.042364	0.035594	0.013768	-0.026925	0.007223	0.031607	0.015318	0.033037	-0.041784	0.035514	-0.016685	-0.003857	0.047153	-0.012788
269	0.035721	0.04206	0.032765	-0.030847	-0.036902	0.037523	-0.011331	-0.013972	-0.020176	0.007423	-0.02159	-0.008743	0.002044	-0.048453
270	0.043598	0.015033	0.069141	-0.040342	0.007709	0.018299	-0.002753	0.004338	-0.015092	-0.026297	-0.025585	-0.027789	0.015017	-0.041446
271	-0.045935	-0.088483	0.008527	-0.093693	-0.001604	0.052879	-0.055676	0.114878	-0.006319	0.161018	0.046591	-0.10307	-0.03104	-0.035189
272	-0.046065	-0.003351	-0.094725	-0.002277	-0.007622	-0.060269	-0.011085	-0.033314	0.042118	-0.017393	0.040591	-0.008285	0.03448	-0.058734
273	0.061813	0.02887	-0.001802	-0.006084	0.01149	0.011312	0.029149	-0.027981	-0.020246	0.028304	-0.026468	-0.001861	0.005669	-0.006715
274	0.03417	0.028619	0.009291	-0.009641	0.008827	0.008752	0.011588	-0.033099	0.005656	0.019616	-0.030268	-0.007438	0.002123	-0.009836
275	-0.082107	-0.049796	0.017654	-0.012636	0.006704	0.021329	-0.017761	-0.038511	-0.011476	-0.036757	-0.022826	-0.048469	-0.05416	-0.052024
276	-0.000999	-0.022565	-0.017837	-0.021032	0.026843	-0.025064	0.040027	-0.050418	-0.084372	-0.016729	0.009234	0.012153	0.02427	-0.053477
277	0.007207	0.048012	-0.014564	-0.008274	-0.027904	-0.047811	-0.059303	-0.034947	-0.002194	-0.03948	-0.057781	0.024534	0.069983	-0.03653
278	-0.025604	0.027454	0.025945	0.017374	-0.069543	-0.054352	-0.065249	-0.007038	-0.000182	-0.021259	-0.041477	0.002036	0.040557	-0.116746
279	0.039103	0.024296	-0.010397	0.01767	-0.031647	-0.000204	-0.011313	0.020373	0.032081	-0.046356	-0.02052	-0.016017	0.043569	-0.058398
280	-0.00947	0.005932	-0.031101	-0.063272	0.059855	0.006066	0.107152	0.099079	0.058826	-0.050881	0.057313	-0.008466	-0.022413	-0.016574
281	0.03112	0.010682	-0.028307	0.016076	0.045567	-0.040657	0.00873	0.045092	-0.004536	-0.021434	-0.004225	0.00608	-0.002201	-0.032329
282	0.031992	-0.008945	0.00684	0.014867	0.050763	0.015898	0.051455	0.016816	0.039592	0.018602	-0.022826	-0.049478	-0.037399	-0.10105
283	-0.001845	-0.039375	-0.05675	0.033963	-0.009947	-0.069813	-0.05343	-0.028606	0.015917	0.042047	-0.054511	-0.06118	0.021093	-0.045707
284	-0.004379	-0.001279	0.033774	0.025753	-0.016824	0.015543	0.037927	0.031365	-0.037882	0.022432	-0.018501	0.03283	0.013068	0.04376
285	-0.004031	-0.037722	0.094787	0.034615	-0.0099	0.019708	0.081011	0.014222	-0.021006	0.02667	-0.038715	-0.008584	0.014987	0.04843
286	-0.041987	-0.016157	-0.082829	0.013061	0.032728	0.016943	0.056439	-0.025421	0.007362	-0.001737	0.017668	0.036132	0.010669	0.00779
287	-0.039623	-0.048948	-0.048537	0.024166	0.026071	0.025726	0.075458	-0.008718	0.002188	-0.005034	-0.007298	-0.017028	-0.006883	0.023539

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
288	-0.014962	0.011834	-0.056079	-0.010526	-0.063493	-0.092492	-0.041948	-0.036507	0.009901	0.036499	-0.038021	-0.039358	0.114663	-0.023722
289	0.004149	-0.031115	0.069523	-0.020958	-0.007958	0.061083	0.002727	0.005088	0.017363	-0.002641	-0.059194	-0.048673	-0.040599	-0.081214
290	0.016064	-0.012495	-0.001866	-0.022236	-0.012987	0.006803	0.060031	0.047383	-0.002403	0.01476	0.027924	-0.016651	0.035036	-0.024993
291	0.013539	-0.014319	-0.011712	-0.02275	0.001551	-0.000553	0.06427	0.05481	0.003307	0.021162	0.028932	-0.007742	0.027149	-0.028911
292	0.008938	-0.011971	-0.023847	-0.018974	-0.024315	0.008489	0.041156	0.024395	0.028375	-0.008505	0.003338	-0.012308	-0.016057	-0.008065
293	-0.012069	-0.04625	-0.101111	0.053754	0.059811	-0.025757	-0.004969	0.034704	-0.005694	0.029975	-0.108384	0.150842	0.041061	-0.047241
294	0.027861	-0.020561	-0.031011	-0.054887	0.061519	-0.032455	-0.074301	0.015315	0.010477	-0.021904	0.021615	-0.024684	-0.041081	-0.01997
295	0.062737	0.026649	-0.002284	0.0105	-0.004064	-0.05452	-0.018072	0.02663	0.089834	-0.007294	-0.017439	-0.025725	-0.019233	0.039174
296	0.00808	0.054275	0.062035	-0.041762	-0.034143	-0.050174	0.012473	-0.009656	0.055233	0.005818	0.016793	-0.083877	0.013551	0.055959
297	0.050836	0.031913	0.015346	0.005173	-0.053094	-0.053988	0.005688	0.015477	0.044261	-0.054016	-0.048538	-0.020226	-0.004469	0.026527
298	0.016441	-0.017089	0.079619	0.024262	-0.003887	-0.043017	0.016085	-0.084689	-0.071818	0.043785	0.051648	-0.014905	-0.049813	0.022685
299	0.040551	-0.008036	0.000528	0.001107	0.007122	-0.059488	0.016278	-0.007786	-0.012907	-0.07461	-0.037749	0.019244	0.08553	0.012224
300	0.03673	-0.05398	0.062334	-0.032289	-0.017279	-0.072599	-0.080701	-0.01417	-0.057021	-0.084434	-0.008946	-0.0008	-0.182846	0.08651
301	0.062953	-0.05265	0.053149	0.006138	-0.033011	-0.035005	0.04906	0.029566	-0.015167	-0.028322	-0.014834	-0.02232	0.011033	0.019743
302	0.056167	-0.02437	0.057302	-0.031385	-0.028805	-0.028994	0.045379	-0.009065	0.015996	-0.016366	0.023674	-0.055835	0.005791	-0.016222
303	0.007065	0.0014	-0.019287	0.010713	-0.052468	-0.05308	0.014327	-0.053247	0.005954	-0.050374	-0.002148	0.0015	-0.008057	0.02779
304	0.024702	-0.016216	-0.001227	-0.04842	-0.042473	-0.076358	0.032763	-0.076564	0.039721	-0.040811	0.001859	-0.026754	0.10094	0.021886
305	-0.1381	-0.10483	0.009404	0.033789	0.072217	0.058058	-0.059869	0.05376	-0.000958	-0.008573	-0.120488	0.051167	-0.021533	0.043374
306	-0.059933	0.01368	-0.042969	-0.006171	0.051904	0.025047	-0.017208	0.067347	-0.041481	-0.043087	0.002536	0.102297	0.006501	-0.004463
307	-0.067682	0.129988	0.040543	-0.061239	-0.022414	0.017159	-0.074562	0.040908	0.08112	0.022636	-0.090409	0.050914	-0.005805	0.065438
308	-0.040827	-0.011249	0.029511	0.006332	0.000475	-0.006975	0.042366	0.031415	-0.034752	0.007677	-0.025009	-0.006959	0.099449	0.049482
309	0.022183	-0.046679	-0.008727	0.042723	-0.003754	0.006828	-0.039882	-0.008455	0.011855	0.009505	0.007985	0.004838	-0.00333	-0.012793
310	-0.032799	0.043258	0.013223	0.041914	0.049953	0.052447	-0.053541	-0.011935	-0.024679	0.021161	0.031974	0.03114	-0.03621	-0.043475
311	0.02949	0.0433	0.021307	0.047707	0.005377	0.020122	0.064857	-0.023689	0.023659	-0.003886	-0.043369	0.009166	-0.031886	-0.024949
312	-0.05656	0.045949	0.048436	0.118898	-0.142862	0.18354	-0.034694	-0.175635	-0.045979	0.024074	-0.077356	-0.12478	0.065796	-0.066519
313	-0.009306	0.014532	-0.064968	0.055876	-0.019084	0.021978	0.052359	-0.003122	-0.042111	-0.046318	0.017703	0.004905	-0.057544	0.093321
314	-0.117158	0.039202	-0.122824	-0.105102	0.065468	0.026058	0.023531	-0.018694	0.062004	0.09322	0.003031	-0.051228	-0.068582	0.100466
315	-0.001486	0.001468	-0.008156	0.008672	-0.013406	0.030855	-0.046976	-0.000672	0.035763	-0.053969	-0.022664	0.03554	0.012358	0.042798
316	-0.141436	-0.031096	-0.064938	0.061653	-0.117924	-0.093639	0.071628	0.057541	0.024192	-0.018233	0.136567	-0.051891	-0.076131	0.024723
317	-0.000378	-0.021969	0.002473	-0.001579	-0.013377	-0.018877	-0.019506	-0.02266	0.018542	0.026384	-0.018392	0.017902	-0.008825	-0.045684
318	-0.024521	-0.023789	0.004484	-0.03261	-0.050936	-0.061468	-0.033048	-0.017992	-0.03575	0.120166	-0.096776	-0.03928	-0.055641	0.014014
319	0.0088	-0.016933	-0.000569	-0.002545	-0.036326	0.004793	0.007799	0.011735	0.022618	-0.035569	-0.007451	0.061687	-0.015906	0.012894
320	0.00578	0.025818	-0.002301	0.03259	0.016388	0.050142	0.045857	-0.051248	0.024691	-0.009785	-0.053301	0.024887	0.057418	-0.082025
321	0.079282	0.070334	-0.002112	-0.097757	-0.066083	-0.032926	0.049555	-0.026276	-0.041996	-0.001194	-0.012443	-0.01499	-0.01968	-0.030166
322	-0.038147	-0.092635	-0.006886	0.042236	0.078484	0.032567	0.002633	-0.137981	0.091292	0.162376	0.030842	-0.028193	0.089246	-0.108636
323	-0.020407	0.087949	-0.018392	-0.020523	0.055331	0.071953	0.063896	-0.014212	0.043736	-0.021253	0.105694	-0.005931	0.025759	-0.08177
324	0.102714	-0.028864	0.035647	-0.046807	-0.042162	0.048999	0.010639	0.13986	-0.219012	0.06013	-0.076021	-0.050872	0.008522	-0.058756
325	0.078015	-0.010499	-0.014515	-0.101895	-0.025415	0.009432	-0.013687	-0.003645	-0.050727	0.07237	0.076886	0.002383	-0.051267	-0.023571
326	-0.049292	0.017699	-0.076163	0.015606	0.097871	0.016111	-0.086874	0.026101	-0.070986	0.016585	0.05799	-0.024556	-0.034134	-0.0733
327	-0.003905	0.030715	0.032537	0.051649	0.004511	-0.021175	0.01292	-0.002074	0.014119	0.028604	0.049471	-0.011476	0.053665	-0.019047
328	-0.101057	0.049383	0.072477	-0.042057	0.009828	0.003356	-0.04275	0.083626	0.106049	-0.055611	-0.05013	-0.003569	0.073482	0.057598

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
329	0.061645	0.004671	-0.042552	0.008533	0.030455	0.026421	0.035998	-0.050047	-0.002244	0.017363	0.091135	-0.030151	-0.003866	-0.019479
330	-0.017952	-0.096564	-0.028711	-0.078472	0.026109	0.016579	0.064814	0.013928	0.021596	-0.004229	0.015876	0.021052	-0.048436	-0.101464
331	0.007604	0.043166	-0.009454	0.001241	0.058828	0.064267	-0.051249	-0.009037	-0.005972	-0.01781	0.044466	0.014752	-0.023454	-0.045617
332	0.157492	0.037513	-0.004241	0.078559	-0.084149	0.037403	0.035507	0.115558	0.084753	0.018835	-0.050259	-0.109987	0.005161	-0.026916
333	0.115731	-0.020357	0.065838	-0.073368	0.015405	0.033333	-0.036172	0.073417	0.007203	0.001566	0.071542	0.000155	-0.053779	-0.059942
334	-0.010002	-0.143448	-0.176039	-0.086943	-0.045291	0.059415	-0.058164	0.046772	-0.066618	0.008679	0.13299	-0.18763	0.085801	0.152595
335	-0.007838	0.001194	0.003478	-0.018828	0.013164	0.029884	0.017323	0.010634	0.019653	-0.050437	0.063353	0.013117	-0.005498	-0.098779
336	-0.015227	-0.058351	0.037479	-0.011449	0.127577	-0.083268	-0.091222	-0.071533	0.028811	0.080641	0.041183	0.018378	0.020926	-0.047239
337	-0.027163	-0.053386	0.0019	0.007532	-0.024965	-0.012525	-0.038209	0.026262	0.122168	-0.050079	-0.030574	-0.034772	0.006612	0.023953
338	0.019158	0.0518	-0.099993	0.026395	0.043812	0.145827	0.100495	-0.086106	0.02343	0.092093	0.02557	-0.011434	0.066815	0.015924
339	0.059092	0.032397	-0.091781	-0.059116	0.003204	0.041927	0.051854	-0.105767	-0.032471	0.021125	0.077643	0.059554	0.077654	0.091076
340	-0.124769	-0.050133	-0.020209	0.046547	0.122714	0.112405	0.02255	0.029765	-0.021787	0.097315	-0.19858	0.017679	-0.006174	0.118657

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
1	0.027663	0.006079	-0.023488	0.020872	0.009951	-0.03284	-0.01799	0.106885	-0.117681	0.01783	-0.021327	0.027008	0.051079	-0.000553
2	0.023967	0.012491	0.024669	0.083483	-0.0383	-0.052176	0.040618	0.032497	0.036019	0.000755	0.021864	0.021626	0.065336	0.064784
3	0.006165	-0.031646	-0.024125	-0.00877	-0.000532	0.055604	0.00209	0.054891	-0.095484	0.017798	-0.024856	0.060114	0.070711	0.052182
4	-0.05162	0.014996	-0.039091	-0.026612	-0.013994	-0.044854	0.000868	-0.01392	-0.05867	0.022858	-0.096598	-0.01398	-0.113873	-0.052028
5	0.055088	-0.059539	-0.016502	0.072578	-0.051106	-0.014651	-0.01046	-0.023111	-0.066631	-0.073569	0.069974	-0.018752	0.10508	0.024373
6	0.046643	-0.081724	0.039695	0.089412	0.041612	-0.033642	0.078606	0.057406	0.015547	0.084597	-0.12617	-0.082773	-0.033452	0.008609
7	0.135544	0.017475	0.068266	-0.131018	-0.061836	0.044347	-0.103827	0.084656	-0.099735	-0.042655	-0.0438	0.037992	0.03694	0.012571
8	-0.055777	0.000212	-0.101789	0.021137	0.010263	-0.045468	-0.031517	-0.057495	0.059325	0.06935	-0.008492	0.038887	0.005017	-0.000741
9	0.015154	-0.004088	-0.102278	-0.014743	0.058588	-0.021373	0.002438	0.012062	0.011213	0.01057	0.087196	-0.053761	0.056192	0.027197
10	-0.079906	0.02161	0.029368	-0.053556	0.013608	0.031712	0.142645	-0.035399	0.047494	0.093969	-0.053194	0.010698	0.056882	0.0333
11	0.003169	0.06855	0.02014	-0.012801	-0.03932	0.02366	0.021679	-0.094087	0.081562	0.025883	0.017662	-0.140009	0.083947	-0.063542
12	0.001727	-0.069574	0.018415	0.010259	-0.120007	0.01406	0.008492	0.077594	0.100467	-0.04037	-0.044483	-0.045016	-0.02285	-0.006776
13	-0.089887	-0.018169	0.047784	-0.010104	-0.064983	-0.034479	0.048918	-0.022162	-0.031903	-0.022559	0.122722	0.002065	-0.048526	-0.035505
14	0.015032	-0.091329	-0.045853	-0.056485	0.124631	0.032364	0.001066	-0.05345	-0.07757	-0.066416	-0.068635	-0.002338	0.034066	0.006289
15	-0.067888	-0.04396	0.00085	-0.019065	-0.086621	0.000384	0.033967	0.026819	-0.074384	0.017352	0.005799	0.079635	-0.004546	0.005519
16	-0.041372	-0.004341	0.069873	-0.027045	0.025827	0.043883	-0.021134	-0.001907	0.028674	-0.062324	0.06669	0.062305	-0.052068	-0.016793
17	-0.039847	-0.048019	0.090973	-0.01634	0.113492	0.164055	0.03408	0.048175	-0.070139	0.041117	0.022986	0.066572	0.138443	-0.042664
18	0.032693	-0.086647	0.039746	0.052451	0.070314	0.024679	-0.082023	0.038964	-0.030092	0.106412	-0.045647	-0.107745	-0.072798	0.060906
19	-0.048252	-0.001126	0.012965	0.086572	0.008673	-0.093581	0.008814	0.017688	0.002002	0.042922	0.038259	0.081362	-0.001154	-0.104271
20	0.015772	-0.079084	0.001106	0.03293	-0.01625	-0.0042	-0.000333	0.018707	0.032551	-0.010652	-0.023974	0.021482	0.013524	-0.038016
21	-0.118476	0.032144	0.175164	0.039219	0.067316	-0.017551	-0.033295	-0.101425	0.041522	0.01126	-0.02108	-0.000082	-0.04521	-0.011529
22	-0.018068	-0.091884	-0.176245	-0.035923	-0.005563	0.080667	-0.130495	-0.083742	0.082847	-0.02035	-0.019735	0.018207	0.101906	-0.052835
23	0.132381	-0.117963	0.061288	-0.156282	0.02813	-0.0289	0.050068	-0.036622	-0.061194	0.037091	0.053794	-0.120914	-0.101031	0.038838
24	-0.102352	-0.188418	-0.089674	-0.013498	0.115323	0.006035	-0.092053	0.06017	-0.118967	-0.109098	-0.096525	-0.049925	-0.001013	-0.11732
25	-0.014094	-0.098744	0.063023	0.000387	0.000586	0.070684	-0.039118	-0.029014	0.129411	0.069156	0.123381	0.030961	0.028106	-0.059876
26	0.018948	-0.052905	0.023827	0.026879	-0.006588	0.010829	0.071946	-0.032913	0.016774	-0.033042	0.056993	0.019555	-0.031704	-0.049827
27	0.001884	0.000094	0.057227	0.021149	0.00563	0.012781	-0.000657	0.022495	0.012209	-0.035703	0.001091	-0.01081	-0.007813	-0.001126
28	-0.075474	0.032496	-0.018365	-0.076955	-0.005106	0.00352	-0.052133	0.109688	-0.119665	0.027734	0.016953	0.016569	0.117957	0.055075
29	0.085454	0.16679	0.060138	-0.049476	-0.017406	0.05764	0.00715	-0.110208	-0.049855	-0.021924	0.07692	0.028722	-0.038327	0.000158
30	-0.018027	-0.029395	0.000384	0.02437	0.028188	-0.032214	0.012659	-0.027086	0.028177	-0.020655	0.084639	-0.019475	-0.026818	-0.018778
31	-0.070413	-0.026332	-0.058501	0.023372	0.076212	-0.053991	-0.036143	0.075147	-0.012303	-0.032458	0.074475	-0.002014	-0.003071	0.087422
32	0.013766	0.071058	-0.149584	0.104125	-0.089511	-0.127407	-0.054278	0.026916	0.00861	0.108693	0.154994	0.055705	0.027598	0.092621
33	0.075155	-0.045709	-0.033049	0.086655	-0.050542	0.104471	0.088716	0.063828	-0.077777	0.038281	-0.032468	0.007704	-0.010667	0.029955
34	-0.009636	-0.054844	-0.006558	-0.056994	-0.134184	-0.068827	0.053642	-0.121133	0.049468	-0.078517	-0.006424	0.044016	-0.084778	-0.033522
35	0.101817	-0.047379	-0.076583	0.048627	-0.041972	0.002786	-0.012945	0.046946	0.014831	0.110881	-0.013625	0.071831	0.002738	-0.018966
36	0.048334	0.01186	-0.065213	0.000914	0.12003	-0.019615	0.122887	-0.016988	-0.038552	0.06727	0.015722	0.057575	-0.012112	-0.04992
37	0.040587	0.0089	0.09184	0.069499	0.16269	0.019106	-0.010969	-0.013101	0.004581	-0.011662	-0.017743	-0.043505	0.030898	0.140782
38	-0.012456	-0.044727	0.03384	-0.056044	-0.023054	-0.017053	-0.053653	0.029583	-0.033314	0.052952	0.023049	-0.049656	0.11063	0.005851
39	-0.103943	0.060543	-0.052723	0.147245	-0.013328	0.06211	0.013965	-0.12725	0.009113	0.053349	0.026696	0.010901	-0.037399	0.013937
40	0.019071	0.009167	0.003886	0.023195	-0.004539	0.018278	-0.003151	-0.005098	-0.018445	0.037561	-0.018554	-0.016205	-0.055535	0.044172
41	0.00014	0.0799	-0.041466	0.027706	0.026668	0.002556	-0.056194	0.0408	0.015064	0.031588	-0.013489	-0.013866	-0.081656	-0.002035

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
42	-0.02135	-0.015155	-0.002491	0.011389	-0.028675	-0.029944	-0.035043	-0.036842	0.029973	0.061239	0.004149	-0.026394	-0.059749	0.013253
43	0.028238	0.021227	0.026544	0.010383	0.00327	0.039428	0.013344	-0.007516	-0.05863	-0.001571	0.005686	-0.026883	-0.053556	0.033278
44	-0.002342	0.046079	-0.072909	-0.007696	-0.029187	-0.004174	0.017952	0.006758	0.016613	-0.026509	0.001868	0.02107	0.041011	-0.00647
45	-0.030198	0.024615	-0.057959	0.020363	0.047436	0.026189	0.000543	0.007141	-0.026968	-0.091344	0.009823	-0.071645	-0.008419	-0.013315
46	-0.124648	0.062306	0.033202	-0.162653	0.070712	-0.200083	0.047839	0.058812	0.091848	0.01718	-0.034929	0.052157	-0.0386	-0.097256
47	-0.083988	0.021503	0.048344	0.020297	0.079138	0.022506	0.04776	0.025446	0.061377	-0.07026	-0.024934	0.066886	0.054724	-0.012448
48	0.118564	0.08269	-0.071426	-0.008184	0.087761	0.033396	0.01546	-0.000884	0.037421	-0.069521	-0.061419	-0.036447	-0.012952	-0.031795
49	-0.029541	-0.024772	0.011177	-0.045716	0.010346	-0.02791	0.030788	-0.006611	0.043491	-0.053167	0.077113	-0.019788	-0.02822	-0.018138
50	-0.032195	-0.01908	0.007449	-0.061746	0.084045	-0.050664	0.011144	-0.07149	-0.037259	-0.074079	0.013196	0.00119	0.039606	-0.055924
51	0.049248	-0.024314	0.007873	0.040435	-0.099276	-0.058367	-0.11281	-0.019507	0.019124	0.007693	-0.025556	-0.069978	0.061366	0.054516
52	0.061815	0.008119	-0.005348	0.071474	-0.074037	0.052258	0.033628	0.088866	0.114962	-0.064307	-0.094397	0.09583	-0.078709	-0.062177
53	0.044033	-0.026898	-0.041963	-0.022248	0.018763	-0.04782	-0.00475	-0.017257	-0.013821	-0.02173	0.027162	-0.005732	0.026887	-0.027775
54	0.045744	-0.02489	-0.022224	-0.030189	0.044097	0.026628	0.099256	-0.03435	-0.017208	0.031818	0.025994	0.010071	0.006628	-0.046691
55	-0.082162	-0.030701	-0.007161	0.021009	-0.081219	-0.000925	-0.07637	-0.00227	-0.048332	0.038808	-0.042323	0.033706	0.009671	-0.008163
56	-0.0103	-0.045584	-0.010084	0.024368	0.001808	-0.035024	-0.031381	-0.080146	0.002926	-0.021733	0.068767	-0.024545	0.018627	-0.031601
57	0.001513	-0.041066	-0.004169	0.048479	-0.008995	0.023839	-0.028287	0.042641	-0.067322	-0.009254	0.057681	0.062286	-0.091224	0.030769
58	0.011801	0.037657	-0.001634	-0.041936	-0.000586	-0.002724	0.049885	-0.094294	-0.024267	-0.010451	0.008758	-0.003611	0.076343	0.089306
59	0.043299	0.109182	0.018547	-0.169097	0.043266	0.004659	0.001861	0.059311	0.031159	0.04144	-0.025208	0.003085	0.109395	-0.015371
60	0.002218	0.006446	-0.041193	0.006496	-0.021036	0.014834	-0.010477	0.026701	0.136018	0.020077	-0.02731	-0.029523	0.054589	-0.017842
61	0.123138	-0.036144	-0.026601	-0.011124	-0.077262	0.086559	-0.080684	0.060317	-0.012457	0.016223	-0.022949	0.056321	0.069928	-0.034716
62	-0.055617	0.048825	0.002699	-0.030817	0.067308	0.0381	0.104825	-0.081324	0.058837	-0.062843	0.00031	0.019905	-0.02794	0.038446
63	-0.03505	-0.078663	0.076134	-0.039477	0.013824	0.010635	-0.008569	0.022187	0.011171	0.026327	0.061328	-0.004662	0.038888	-0.007322
64	-0.050691	-0.116871	0.072674	0.058713	0.008822	0.0423	0.002773	-0.071735	-0.003189	0.036307	0.073904	-0.00216	0.012737	0.016002
65	-0.02917	-0.03546	-0.109844	0.028113	-0.018387	0.053763	-0.008111	0.01238	-0.023912	-0.005775	0.020491	0.040075	-0.123875	0.074375
66	0.15844	-0.007135	0.028072	0.022125	-0.06286	-0.066624	0.04241	-0.005111	0.070003	-0.027698	-0.070694	0.05062	0.017421	0.069506
67	0.047345	-0.0128	-0.000404	0.038042	0.011496	-0.055764	-0.020475	-0.008544	-0.019216	-0.037587	0.002642	-0.079112	0.04951	-0.03071
68	-0.013297	-0.066695	0.008157	0.014981	0.029562	0.003441	-0.123688	-0.025827	-0.035318	-0.093444	0.082683	-0.025413	-0.087342	0.050859
69	0.019161	-0.02573	-0.049922	0.007854	-0.068901	-0.033622	0.017808	-0.094752	-0.10042	-0.022114	-0.076238	0.081334	0.058474	0.009954
70	0.019599	0.125282	0.014573	0.005626	-0.073592	-0.016156	0.069183	0.019242	-0.009287	-0.020345	-0.082175	0.010826	0.025315	-0.039142
71	-0.065363	-0.018959	-0.04907	-0.030083	0.042788	0.035566	-0.11131	0.034551	0.06108	-0.08162	-0.05948	-0.016033	-0.052518	0.041806
72	0.029944	0.020839	0.058579	0.01408	0.031721	0.034408	-0.012886	-0.099648	0.012181	-0.015912	0.010697	0.054777	0.008532	-0.052271
73	0.05166	0.007929	-0.130126	0.007042	-0.0566	0.024491	0.069904	-0.027425	0.012841	-0.178202	0.012773	-0.067024	-0.043967	-0.045643
74	-0.145073	0.108885	-0.032173	-0.021154	-0.125186	-0.014874	0.003142	-0.146481	-0.065964	-0.042037	0.049429	-0.094003	0.032518	-0.137743
75	-0.011628	0.031345	-0.011637	0.010786	-0.014018	-0.01055	-0.011733	0.006168	0.01558	-0.027999	0.044576	-0.071432	-0.015811	0.00932
76	0.09183	-0.078637	0.053733	-0.155109	-0.050375	-0.080733	-0.040328	0.017586	0.078018	0.009937	0.053245	0.026765	0.150203	0.056264
77	-0.013892	0.023673	-0.031695	0.021487	0.01051	0.0062	-0.01474	0.038696	0.05893	0.013339	0.006239	-0.043228	-0.047919	0.023824
78	0.006136	0.038495	-0.00921	0.013169	0.004024	-0.025403	-0.02077	0.021312	0.04839	0.039558	0.050867	-0.107486	-0.032759	-0.013323
79	-0.023174	-0.006661	-0.05019	0.105125	0.008772	-0.01763	0.044861	0.000719	-0.013985	0.061964	-0.088516	0.097375	-0.089542	-0.046503
80	-0.02453	-0.0334	-0.036576	-0.098543	-0.143265	0.094137	-0.012231	0.03674	-0.006791	-0.091153	-0.014228	0.028542	0.041644	0.027303
81	0.008265	0.038841	0.136311	-0.005032	0.16637	0.10979	0.018983	0.005398	-0.081206	0.042604	0.045802	-0.048028	-0.01482	0.14289
82	0.074938	0.000096	0.002779	-0.057081	0.047355	0.048182	-0.068327	-0.08406	0.054151	-0.023556	0.024401	-0.022894	-0.058117	0.018029

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
83	-0.018755	0.029999	0.0706	-0.065165	-0.02132	0.061338	-0.029142	0.009177	-0.036955	-0.023775	0.009795	-0.007336	-0.065012	-0.021905
84	-0.043409	0.061352	-0.03183	-0.052961	-0.002117	0.008612	-0.078467	-0.024972	0.009	0.038769	0.017539	-0.045286	0.014769	0.034927
85	-0.03828	-0.048332	-0.050406	-0.114362	-0.093258	-0.035887	-0.080448	-0.049198	-0.040129	-0.024915	-0.052956	-0.063398	-0.005917	0.034913
86	0.041026	-0.027199	-0.045884	-0.040592	0.059577	0.004806	-0.003038	-0.065607	0.031551	0.066396	0.018597	0.049071	-0.032193	-0.015389
87	0.118997	0.001043	-0.027521	0.047044	0.001796	-0.003471	0.133738	-0.002258	-0.072981	0.050829	0.073401	-0.0628	0.09285	-0.01381
88	0.031882	0.029662	0.018535	0.034202	0.006125	-0.057125	-0.036034	0.045738	-0.015132	-0.016241	-0.074309	-0.047168	0.034234	-0.02575
89	-0.037941	-0.025978	0.017851	0.013915	-0.014659	0.019481	-0.034123	0.03012	0.027459	-0.035352	-0.017422	0.004455	-0.038549	-0.043089
90	-0.056389	-0.045273	-0.006295	-0.047391	-0.031859	0.059878	0.010877	-0.065463	-0.006365	0.044537	-0.113481	0.014443	0.068261	-0.018869
91	-0.09919	0.009674	-0.022358	0.114407	0.004447	0.029446	0.017654	-0.016555	0.085312	-0.069456	0.021018	0.037859	-0.022989	0.118508
92	0.088947	0.068166	0.082506	-0.021719	0.112554	0.005337	-0.016246	0.06494	0.070386	-0.003678	0.06076	-0.02757	0.034514	-0.094619
93	-0.076571	0.091954	0.097055	-0.095178	-0.078297	-0.151742	0.08473	-0.000356	0.085704	0.088561	-0.10153	0.078288	0.017874	0.009242
94	-0.012491	0.088043	-0.039573	0.016589	-0.020554	-0.146078	0.115918	0.097381	-0.072906	0.024128	0.011826	-0.07169	-0.030275	-0.074594
95	0.062568	0.069404	-0.061041	0.03684	0.071183	0.048897	-0.08714	0.026093	0.061945	-0.002722	-0.066889	-0.004692	-0.004259	0.044772
96	0.046294	-0.031576	-0.006912	-0.068492	0.001309	-0.045318	-0.056955	0.04866	-0.056651	-0.030694	0.120525	0.010282	-0.033375	-0.057397
97	-0.037055	0.048453	0.085178	-0.022141	-0.119816	0.044887	0.024315	0.002232	0.011604	-0.007126	-0.034042	0.058797	-0.040429	-0.033607
98	-0.021435	0.00861	-0.010095	0.009816	0.06768	0.039189	-0.017773	0.016159	-0.023675	-0.05739	0.00458	0.05766	-0.010741	-0.010978
99	0.02682	0.03717	0.114719	-0.073925	-0.087204	0.055489	0.09108	0.065517	-0.008423	-0.060005	0.045554	-0.008428	0.113923	-0.016622
100	0.031203	0.03775	-0.044395	0.011627	0.083909	0.038709	-0.008334	0.027354	0.045955	-0.028934	-0.046278	0.071199	-0.033293	-0.015994
101	-0.043685	0.025843	-0.038536	0.023901	0.026182	-0.002776	-0.033755	-0.022961	-0.008567	-0.00382	0.0232	-0.005587	-0.00963	-0.011746
102	-0.051311	0.009782	0.070561	0.03616	-0.056271	-0.016278	0.028983	0.0691	-0.044609	-0.059305	0.028292	-0.10098	0.122605	-0.062153
103	-0.07056	0.035505	0.057912	0.071641	-0.150107	0.057828	0.0097	-0.011694	0.048845	0.046106	0.120078	-0.079524	-0.012375	0.080769
104	-0.031186	-0.124161	-0.072104	-0.000938	-0.036048	0.012338	0.003437	-0.02074	-0.050475	0.043843	-0.032016	0.063091	-0.041384	0.031581
105	0.012588	-0.028858	0.067464	-0.031711	0.068704	-0.099448	0.049292	-0.118728	-0.056134	-0.080532	0.024637	0.054428	0.113671	0.021237
106	-0.010914	0.102921	0.132996	0.095906	0.035048	0.027205	-0.02665	0.051258	-0.063724	-0.069011	0.057102	0.083203	-0.03392	-0.049046
107	0.106531	-0.026818	0.007586	-0.03033	0.001132	-0.032854	-0.092331	0.081055	0.006522	0.013209	-0.064282	-0.08656	-0.059688	-0.06748
108	-0.036359	0.007319	0.033105	0.005936	0.024352	-0.002367	-0.063953	-0.072564	0.139965	0.068389	-0.066279	-0.000381	-0.027719	0.012477
109	0.088954	0.026203	-0.03248	0.026656	0.01429	0.043063	0.113093	0.050114	0.103412	-0.037064	-0.04129	-0.039098	-0.016002	-0.02645
110	-0.022354	0.106811	-0.026154	-0.112393	0.091138	0.135277	-0.118729	-0.043163	-0.040802	0.070275	0.002835	-0.026704	-0.033031	0.126575
111	0.06938	-0.043071	0.07003	0.077412	0.006663	0.048774	0.011063	0.024695	-0.010615	0.07379	0.144035	0.096134	-0.016143	-0.093608
112	-0.109797	0.118998	-0.041166	-0.02592	0.032741	-0.0955	-0.02138	0.072564	-0.034906	0.000097	-0.090953	0.070878	-0.015555	-0.053994
113	0.040841	0.037255	-0.143441	-0.035924	0.061639	0.071256	-0.011843	-0.038333	0.141248	0.041812	0.018685	-0.080983	0.065661	-0.001027
114	-0.059263	-0.048952	0.063225	-0.04219	-0.122565	0.104583	0.175133	0.011123	0.057756	-0.000492	-0.072591	0.034789	-0.098922	-0.002988
115	-0.004117	0.087625	-0.026389	0.154859	0.044013	0.031197	-0.05957	0.000937	0.058191	-0.038853	-0.036397	0.019213	0.078145	0.042359
116	0.033843	-0.028682	0.029219	0.133905	-0.125606	0.137154	0.043338	0.040114	-0.039537	-0.005695	0.006066	0.123886	0.161739	-0.102088
117	0.00768	0.000595	0.018796	0.029355	0.009102	-0.001033	0.013913	0.017157	0.018904	-0.008176	-0.001718	0.014754	0.094905	0.054594
118	-0.129342	-0.066305	-0.087407	-0.027609	0.014407	0.082686	0.188433	-0.046639	0.045649	0.00159	-0.14144	-0.003736	-0.014061	0.050043
119	-0.015631	-0.087316	-0.023071	0.04565	-0.030145	-0.127396	-0.021092	0.00215	0.02264	0.014954	-0.036126	0.049924	-0.07916	0.07891
120	-0.00152	0.027988	0.021522	0.067619	0.014701	-0.027802	0.032618	0.029092	0.043431	0.008797	-0.121619	0.028473	0.022377	0.013144
121	0.007967	-0.017849	0.071104	0.057231	-0.080698	-0.018043	0.032949	0.064765	-0.062752	0.010006	-0.006872	0.019355	-0.073348	-0.010135
122	-0.096152	0.044709	-0.000085	-0.061048	-0.005051	-0.008892	0.057041	0.170354	-0.023696	-0.01052	0.034322	-0.025502	-0.033849	0.00853
123	0.063169	0.000741	0.060068	-0.063223	-0.030909	-0.01632	-0.081398	-0.022836	0.01336	-0.031657	-0.011086	-0.041827	-0.067099	0.042946

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
124	-0.010395	0.020946	-0.023493	-0.00665	0.025124	-0.017191	-0.028158	0.010878	-0.018396	0.009089	0.004616	-0.020789	-0.064437	-0.012655
125	0.027825	0.064821	0.033115	-0.023279	-0.019809	-0.035418	0.019619	0.048417	0.069918	-0.040022	0.030185	-0.031437	0.145535	-0.0465
126	0.03469	0.041823	-0.00637	-0.046084	-0.097076	-0.00091	-0.026365	0.017878	-0.021899	0.063866	0.043665	-0.008511	-0.056623	-0.026055
127	0.007449	0.048438	0.046418	-0.017568	-0.040716	0.043909	0.012541	0.026664	0.013697	0.035387	-0.022773	-0.084343	-0.067691	-0.011211
128	0.028701	-0.062699	0.010767	0.09659	0.061658	-0.018899	0.019798	0.025265	0.028605	-0.037164	-0.011413	-0.04905	0.026961	0.089857
129	0.005024	-0.071276	0.014898	0.140931	-0.016242	0.076264	0.105259	0.137823	-0.0436	0.013512	-0.010424	-0.036959	0.007154	0.063475
130	-0.040584	0.035744	0.034121	-0.024608	0.075945	0.048378	-0.060965	-0.024384	-0.017589	0.043283	0.075946	0.111841	-0.127835	-0.099967
131	-0.074015	-0.070594	0.054138	0.012336	0.09539	-0.070229	-0.005698	0.021189	-0.016619	-0.078325	0.013254	-0.014065	0.006368	0.0357
132	0.037056	-0.027461	0.095643	0.011743	-0.111571	-0.059946	-0.024161	-0.066069	-0.100004	0.033477	-0.135052	-0.080433	-0.029444	0.008219
133	-0.018044	-0.027878	0.066749	0.133981	-0.072596	-0.039623	0.048455	-0.099622	0.011276	0.011621	0.120073	-0.032642	-0.026733	-0.067292
134	0.039916	-0.004294	-0.072285	0.030195	0.078784	0.023107	0.116374	-0.096768	-0.009574	0.164051	0.043657	0.030144	-0.060039	-0.104371
135	0.076678	0.012442	-0.045436	0.019102	0.064773	-0.04999	-0.000256	-0.042081	-0.013834	-0.014002	-0.013898	0.042105	0.049845	0.032066
136	0.076841	0.079414	0.029986	0.135351	0.027044	0.028804	-0.027362	0.010071	-0.08233	-0.050776	0.098902	0.062183	0.003952	-0.034643
137	-0.052333	-0.060463	0.081212	-0.048121	-0.006924	-0.043042	0.002812	0.056558	0.014918	0.057787	0.146986	-0.101296	0.053038	0.011896
138	-0.044082	-0.023856	0.007422	0.011073	0.022716	-0.057521	0.07426	0.030624	-0.134244	-0.037349	0.003303	0.010028	-0.030899	0.058296
139	0.020369	0.02933	-0.064657	-0.126276	-0.049086	-0.112187	0.071275	0.095637	0.083735	0.136555	0.000828	0.041684	-0.140496	0.111992
140	-0.029851	-0.029955	-0.037359	0.011184	0.002425	0.084371	0.036222	0.010772	0.0243	-0.099137	0.031968	-0.046749	0.024822	-0.045966
141	0.060428	0.005871	-0.029211	-0.05044	-0.024814	0.012572	-0.114802	0.080949	-0.0404	-0.111144	0.028508	0.121014	0.035464	-0.045462
142	0.025529	-0.000592	0.124172	0.06867	-0.054881	0.073245	-0.037742	-0.069575	-0.019487	0.042786	-0.0562	0.079389	-0.073168	-0.009198
143	-0.01766	-0.010288	-0.018852	0.076301	0.036481	-0.050746	0.050936	0.046818	-0.039066	-0.016795	0.053466	-0.143044	-0.034016	-0.106436
144	0.06003	0.057503	-0.006002	0.048162	0.010075	-0.025409	-0.041437	-0.068943	0.006897	0.075198	-0.101587	-0.02542	0.069929	-0.007249
145	0.021765	0.02814	-0.077273	-0.050553	-0.12236	-0.063481	-0.009994	-0.117877	-0.019642	-0.029202	0.096524	0.033496	-0.01104	-0.044411
146	0.071652	0.001188	-0.001366	-0.058432	0.02439	-0.04516	-0.029798	-0.02831	0.008913	-0.009401	-0.039376	0.041791	0.075703	0.08116
147	-0.002625	0.066631	-0.031318	-0.005889	0.04676	-0.002869	-0.066286	0.015252	0.082771	0.016441	-0.097376	0.111132	-0.025269	-0.042094
148	0.049278	0.088925	0.007399	0.046204	0.022183	0.008552	-0.050091	0.028171	0.004668	0.032622	-0.073529	-0.098913	0.023333	-0.058294
149	-0.033914	0.171056	-0.058733	0.044765	0.023751	0.046029	0.060042	-0.011663	-0.100233	-0.004512	-0.010476	0.019609	0.021357	0.071369
150	-0.086142	0.065488	-0.040135	0.065553	-0.05129	-0.096591	-0.010743	0.051297	-0.094143	-0.019678	-0.11285	0.018458	-0.011557	-0.117152
151	0.017822	-0.001599	-0.044269	-0.059128	-0.022283	-0.073785	-0.077012	0.096394	-0.144821	0.007426	0.015064	0.080294	-0.055917	0.053394
152	-0.052043	-0.037439	-0.043807	0.017523	-0.00745	0.103611	0.031736	0.092681	0.058477	0.023577	0.092055	-0.110763	-0.137195	0.012559
153	-0.032043	-0.05413	0.043531	-0.141841	-0.002485	0.061101	0.002053	-0.057628	-0.025914	-0.078353	-0.075099	-0.076919	-0.021302	0.101547
154	0.032145	0.077875	0.002425	0.054575	0.03689	-0.013999	-0.073348	-0.084629	-0.064845	0.044087	-0.047133	0.008292	0.020416	-0.101763
155	0.014468	-0.062	0.051718	0.082778	-0.03854	0.098963	0.061033	-0.085792	-0.008675	-0.027841	-0.043573	0.005718	-0.010009	-0.024766
156	-0.028507	-0.001477	0.023065	0.072238	0.097228	-0.070417	-0.027655	-0.073154	0.04906	-0.104671	0.027859	0.0772	0.010173	0.150928
157	0.11542	-0.10015	-0.081768	-0.008898	-0.06067	0.04137	-0.020856	0.081082	0.0694	0.040343	0.101289	0.11897	0.026345	0.094501
158	-0.051561	0.02195	0.024048	0.002418	0.014497	-0.018692	-0.025454	0.113865	0.036477	-0.020749	-0.011388	-0.052473	-0.019395	-0.028645
159	0.138943	0.09171	0.063277	-0.026776	-0.106439	0.097196	-0.103467	-0.021798	-0.0292	-0.024574	-0.03398	0.00345	-0.041531	0.000039
160	-0.120891	0.019096	-0.018774	0.083318	-0.003179	0.074466	-0.063948	-0.050606	0.037661	-0.066612	-0.057445	-0.039033	-0.025242	-0.047494
161	0.021962	-0.075004	0.032441	-0.073793	-0.002233	-0.014328	0.015866	-0.032687	-0.079403	-0.051838	-0.004969	-0.014356	-0.033048	0.035049
162	0.001968	-0.086137	-0.059879	-0.007781	0.074184	-0.069255	0.063022	-0.024881	0.160943	0.07355	0.005426	0.051369	0.039805	0.065391
163	0.002256	0.049861	0.044034	0.042265	0.005944	0.06794	0.028832	0.011714	0.029012	0.073729	0.134976	0.133108	-0.118371	-0.081177
164	0.089947	0.045171	-0.015007	-0.025487	0.010063	-0.032549	0.006324	0.123576	0.033875	0.043226	-0.007312	-0.04808	0.02589	-0.031473

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
165	-0.053746	-0.014834	0.002324	-0.131339	-0.033884	0.145621	0.029928	-0.104698	0.028474	0.015272	-0.077303	-0.073755	0.008489	-0.140575
166	0.022623	0.012168	-0.032649	0.031087	-0.014849	-0.053942	-0.022714	0.058575	-0.00842	0.016747	-0.002514	0.00095	0.044857	0.114829
167	-0.12112	0.028592	-0.117526	-0.084748	-0.032432	0.032258	0.083893	0.074442	-0.10047	-0.040738	-0.025502	0.069132	0.012691	0.075637
168	0.065157	0.053959	-0.082635	-0.029601	-0.041745	-0.030162	0.016026	0.083495	0.017564	0.190813	0.121403	0.013161	0.005647	0.018675
169	0.054238	0.015871	0.027289	-0.009998	-0.014043	0.055284	-0.006712	0.044659	0.019226	0.074673	-0.023418	-0.006512	0.013032	0.030172
170	0.056359	0.042859	0.0779	0.001636	-0.025891	0.023329	-0.002303	0.017164	-0.011699	0.055472	-0.014034	-0.116069	0.033253	0.011715
171	0.062831	-0.006591	0.022111	-0.04713	-0.055504	0.063163	0.019719	0.022814	0.05218	0.023539	-0.047861	0.028904	-0.039603	0.032541
172	0.001775	0.02725	0.046133	0.026957	-0.045834	0.05887	-0.009795	-0.003049	0.022782	-0.008335	-0.052064	0.095445	0.065155	0.022349
173	-0.014401	0.016965	0.049756	0.0192	0.012765	-0.009358	0.060242	-0.009952	0.107065	-0.093617	0.045207	0.061906	0.097176	0.047037
174	-0.006824	-0.050562	-0.058255	0.072807	-0.018581	0.057608	-0.062872	-0.070042	-0.082484	-0.042347	0.018007	0.003668	-0.000647	-0.019274
175	0.018852	-0.069826	-0.166058	0.061834	-0.006301	0.048989	-0.062075	-0.095105	0.028718	0.001871	-0.001136	-0.016538	-0.014695	0.070146
176	-0.045965	0.029421	0.102701	-0.096584	-0.056054	0.074854	-0.111548	0.085689	-0.048982	-0.029449	-0.011765	-0.033448	-0.09649	-0.07524
177	-0.095561	0.037499	-0.071774	0.016345	0.11117	-0.101936	0.09121	0.059426	0.006171	0.089809	-0.024258	-0.169661	0.116522	-0.070535
178	0.023827	-0.009109	-0.052706	-0.001154	0.006667	-0.01065	0.006966	0.022634	-0.000097	-0.005914	-0.051743	0.017094	-0.086455	-0.013583
179	0.007503	-0.074777	-0.007885	0.034913	0.010378	0.052746	-0.025779	0.021144	-0.003002	0.048857	-0.04589	-0.008643	-0.017739	0.015051
180	-0.03391	-0.003984	0.021204	0.003115	0.002272	-0.016124	0.015966	0.02723	0.027381	-0.019282	0.017743	0.004011	-0.012538	0.008648
181	-0.073883	-0.006408	0.015385	0.008887	0.002502	-0.029125	0.001146	0.008237	-0.028113	-0.009353	0.001443	-0.004851	0.010369	0.032011
182	-0.052165	0.069266	0.005475	0.060646	-0.021787	-0.019331	-0.003005	-0.033128	0.012014	0.074421	-0.040626	-0.070095	0.004544	-0.007342
183	0.066898	-0.036573	-0.044607	0.020396	0.033845	0.066943	0.010287	0.026251	0.061698	0.039177	-0.053678	-0.037038	-0.000769	-0.002962
184	0.004378	-0.01458	-0.031799	-0.00311	-0.05572	0.086154	0.029479	0.017035	0.125226	-0.040048	-0.060326	0.005567	-0.040631	0.034672
185	-0.117652	0.065561	0.031069	0.034392	-0.099625	-0.005557	0.005554	0.020743	-0.038587	0.028255	0.089085	0.022845	0.046727	0.146119
186	0.062586	0.113227	-0.031783	-0.022783	-0.024105	-0.055468	0.00689	-0.000328	0.06475	-0.077531	0.071046	-0.026823	-0.03852	-0.014214
187	-0.027192	0.042332	0.01898	-0.023424	0.051118	-0.037435	0.052583	0.063873	0.060403	-0.022515	0.038	0.031741	0.06511	-0.064398
188	-0.055833	0.022481	0.036001	-0.002548	0.016092	0.009401	0.001943	0.012602	-0.017018	-0.054554	-0.031394	0.048025	0.013438	-0.055345
189	-0.048276	-0.060173	0.049534	-0.148558	0.078314	0.026352	-0.069333	-0.037291	-0.062929	0.018034	0.010125	0.08176	-0.063668	-0.055973
190	0.02972	-0.050137	-0.027882	0.01794	-0.02491	-0.016104	0.024219	0.02179	0.053041	-0.035854	0.104298	-0.024694	-0.041451	-0.083102
191	0.023213	-0.092574	-0.053637	0.066526	-0.024127	-0.067032	0.025292	0.002633	-0.036614	-0.042763	0.06988	0.015463	0.095516	0.03
192	0.002245	0.008175	-0.12981	0.012743	0.015717	0.022414	-0.071724	-0.143928	-0.148038	0.092664	-0.059122	-0.04449	0.061373	0.020499
193	0.101341	0.001768	0.064753	0.081138	0.047705	-0.00663	0.016747	-0.088049	0.099109	0.024695	-0.076638	-0.106217	0.068911	-0.013189
194	0.021766	-0.035091	0.036072	-0.055349	0.073602	-0.026378	-0.070892	0.081798	-0.007773	-0.053687	-0.039422	-0.025172	-0.093411	-0.001663
195	0.011012	-0.022245	0.02327	0.013687	0.026368	0.017491	0.000583	0.026935	-0.059052	0.032408	0.127044	-0.011586	0.101952	-0.006645
196	0.024523	0.065549	-0.017327	0.090881	-0.048903	-0.009409	0.035074	0.000525	-0.026044	0.016731	-0.023789	0.064196	0.024541	-0.064802
197	0.008211	-0.032363	-0.077231	0.021081	-0.025974	-0.011687	-0.034846	-0.060352	-0.019316	-0.015034	-0.029053	-0.053953	0.027526	-0.00561
198	-0.063998	-0.011543	-0.003759	-0.129356	0.04774	0.05333	0.053415	-0.13509	0.043156	-0.026719	0.084539	0.068374	-0.015968	0.003534
199	0.008777	0.097298	0.025826	-0.062929	0.021407	0.06477	-0.075732	-0.013878	0.067374	0.033406	0.006587	0.05761	0.058066	-0.013707
200	0.080457	-0.107881	-0.037491	-0.00552	0.180006	-0.02239	0.043753	-0.052852	-0.095838	0.040523	-0.093482	0.047805	0.010441	-0.030251
201	-0.041072	-0.030863	0.069706	-0.022171	-0.000185	-0.068275	0.012053	0.12738	0.019075	0.022949	0.01416	0.014541	-0.055165	-0.013453
202	0.088742	-0.007398	-0.049311	0.051072	0.053583	-0.077251	0.002987	-0.084912	-0.022346	-0.051735	0.061096	0.018321	-0.02646	0.045646
203	0.063991	-0.046471	-0.019554	-0.026428	0.06524	0.057959	0.135666	0.057054	-0.019596	0.075568	-0.055597	0.060658	-0.087779	-0.013156
204	-0.058286	0.014111	0.023294	0.01149	0.016165	0.024056	-0.079301	0.042913	0.007179	-0.039862	-0.012698	-0.125355	0.002838	-0.051095
205	-0.037157	-0.007267	0.118754	0.06671	0.028899	0.000613	-0.015097	-0.014175	0.01742	0.001615	-0.009044	-0.009988	0.07278	-0.08001

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
206	0.073957	0.119603	-0.138113	-0.045486	-0.010186	0.044149	0.010015	-0.025501	-0.041802	-0.114474	-0.001202	-0.036057	0.05553	-0.041058
207	-0.011607	0.043936	0.108635	-0.071682	-0.097346	-0.030129	-0.029204	-0.070629	0.100152	-0.055264	0.032687	0.032701	0.002816	-0.053323
208	-0.014929	-0.108949	-0.026436	-0.031327	0.014946	0.028216	0.036192	0.025543	0.119032	-0.062102	-0.01294	0.034564	0.080771	-0.005156
209	0.044933	0.05188	0.048603	-0.044347	-0.053441	0.065372	0.113328	-0.12052	-0.01071	-0.05852	-0.001292	0.034656	0.011695	0.130818
210	-0.049904	-0.026794	0.001301	-0.015099	-0.000834	-0.125903	0.02441	-0.035415	0.098617	0.002083	-0.031702	-0.034123	-0.077031	-0.006806
211	-0.056938	-0.103361	0.008771	0.055762	0.002125	-0.118235	-0.038006	-0.011262	0.093841	0.04911	-0.085939	0.072231	0.07563	0.042038
212	-0.033183	0.031805	-0.108504	0.140985	-0.032283	0.024311	-0.047024	-0.012364	0.056971	0.031191	0.087879	0.022859	0.008741	0.039315
213	0.012435	0.03422	0.026049	0.007491	-0.075652	-0.03275	-0.07117	-0.1486	0.062469	0.036348	-0.013526	0.11834	0.011603	0.056651
214	0.02127	-0.036584	0.021652	0.004526	0.026739	0.055477	-0.067336	0.013147	-0.015121	-0.013807	-0.055832	0.008265	-0.029355	-0.006543
215	-0.000451	-0.068806	0.028307	0.067122	0.063549	-0.138335	-0.03025	-0.020622	0.040902	-0.054758	-0.028381	0.10353	0.054601	-0.215722
216	0.01728	0.112618	-0.104824	-0.046699	-0.001648	-0.059081	0.000983	0.059641	0.019111	-0.066545	0.106185	0.038919	-0.075331	0.061967
217	0.032845	0.040093	-0.027353	-0.007558	0.040838	-0.08829	-0.037536	0.049841	-0.056222	-0.029628	-0.052784	0.026517	-0.015369	-0.073002
218	0.006271	0.011224	0.051719	0.020561	0.014391	-0.074129	0.007048	-0.061987	0.022318	-0.049727	-0.000964	-0.049442	0.001809	0.01421
219	0.041228	0.020089	0.002039	-0.033904	-0.018409	-0.034787	0.024995	-0.027898	-0.048355	-0.075526	0.00668	-0.010354	-0.010686	0.047452
220	-0.045567	0.02625	0.024933	-0.045028	0.017566	-0.023879	-0.006247	0.016825	0.026111	0.01693	-0.035071	-0.041068	0.069058	-0.071552
221	-0.031141	0.007267	-0.027352	0.007438	0.014677	0.011643	0.028293	0.012501	-0.02218	-0.036096	0.009459	0.000969	-0.029917	0.023424
222	-0.042514	0.033489	-0.076435	0.020114	0.00348	0.007617	0.085115	-0.015848	-0.027266	-0.045891	0.005892	0.064192	-0.008526	-0.032636
223	-0.046588	0.099827	0.014975	-0.011619	0.020224	0.067893	0.040103	0.002054	0.01784	-0.043154	-0.02161	-0.018702	-0.033021	-0.030068
224	-0.054198	-0.002965	0.011248	0.023231	-0.046253	-0.03094	-0.109578	-0.097181	-0.058253	0.008946	-0.043842	0.016704	0.066383	-0.048963
225	-0.050113	-0.00608	-0.013374	0.053565	-0.030875	0.036128	-0.031514	-0.100018	-0.059793	0.031982	0.053347	0.021698	0.079364	-0.0101
226	-0.046279	0.002258	0.000884	0.012138	0.025425	-0.033832	0.036885	-0.022763	-0.013695	0.006508	0.020953	0.022411	-0.027539	-0.03558
227	0.028308	-0.069601	-0.053834	-0.076371	-0.053087	0.026211	-0.003449	-0.026672	0.051937	0.099332	-0.055007	-0.066215	0.034486	-0.020267
228	0.033818	-0.053634	0.052726	0.077294	-0.077608	-0.048575	-0.022237	0.018323	-0.07572	0.114888	-0.05816	-0.084084	-0.099371	0.010067
229	0.01236	0.062357	0.025281	0.042901	0.028094	-0.043654	-0.02204	0.001366	-0.030541	0.04556	0.00113	0.001943	0.029895	0.066194
230	0.005998	0.032565	0.06374	0.061394	0.0438	-0.034725	0.000597	0.016887	0.021779	0.017726	0.028762	-0.036221	0.021579	-0.003985
231	-0.103844	0.141847	0.004663	-0.001081	0.027808	0.115981	-0.022962	0.063806	0.071994	0.095012	0.03423	0.078936	0.072725	0.079457
232	-0.015957	-0.034311	0.049127	-0.021304	-0.0226	0.056962	-0.000979	0.088099	0.017159	-0.05084	-0.019683	-0.009237	0.075873	-0.013631
233	0.037153	-0.008618	-0.060539	-0.117814	0.027003	0.013104	-0.008791	-0.018495	-0.059237	0.104093	0.081856	0.018106	0.039907	0.070409
234	-0.010713	0.031587	0.050159	0.020051	-0.017113	-0.009563	0.006003	-0.047967	-0.064285	0.104857	-0.053554	0.052946	-0.089193	-0.038969
235	0.002647	-0.051023	-0.002634	-0.014991	-0.052254	0.029133	-0.031617	0.061914	-0.013715	0.045212	-0.019662	0.108642	0.124088	-0.043278
236	0.021581	0.021013	0.040145	-0.005618	0.009217	0.089256	-0.01501	0.019652	0.03299	0.001874	0.023764	-0.1174	-0.014684	-0.018184
237	-0.026258	0.000165	-0.072675	-0.057897	0.078954	0.066354	0.054284	-0.053156	-0.018166	-0.025774	-0.027929	0.032606	-0.022954	0.014033
238	-0.019757	-0.037615	-0.057307	-0.014208	-0.021624	-0.011553	0.000665	-0.049099	-0.027714	0.00142	-0.000313	-0.066657	0.008784	-0.011004
239	0.046271	-0.011492	-0.026556	0.004209	-0.065657	-0.020665	-0.027617	0.019274	-0.010747	0.047274	0.058699	-0.010904	-0.000019	-0.006607
240	0.090223	-0.005437	-0.004361	0.036276	0.01073	0.004137	-0.081155	-0.010863	0.001866	-0.014294	0.022522	0.059623	-0.04551	-0.000554
241	0.06598	-0.004558	-0.027174	-0.005335	0.05453	-0.007883	0.0204	-0.045841	-0.057129	0.144283	0.110815	-0.02532	-0.055454	-0.069812
242	-0.0188	-0.011974	-0.047475	-0.049484	-0.030536	-0.052237	0.014932	-0.037714	0.075169	0.023218	0.096529	-0.013353	0.036714	-0.02331
243	0.027091	-0.089457	-0.038506	-0.032942	-0.036636	-0.048124	0.015485	0.018301	0.046381	-0.151141	0.033855	-0.013978	-0.042671	0.015512
244	-0.01125	-0.058006	0.015022	-0.0001	-0.024897	0.030717	0.008674	0.051853	0.004304	0.01505	0.030386	-0.026622	0.017606	0.018219
245	-0.007347	-0.016724	0.085736	0.003692	-0.005439	0.012731	-0.0339	0.003903	-0.023373	0.074147	-0.081008	-0.013271	0.08089	0.025966
246	0.037664	0.010636	0.003196	0.000547	-0.015694	-0.015824	-0.053928	0.013673	-0.006134	0.063737	0.003645	0.00526	0.026806	0.009383

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
247	-0.007489	0.042111	-0.012245	0.021667	-0.041985	0.058929	0.0115	0.062757	-0.012243	-0.00989	-0.005218	-0.007346	-0.076528	-0.050848
248	-0.041316	-0.030536	-0.001464	0.031907	0.010987	0.069923	0.036547	0.040911	-0.01483	-0.048095	-0.036896	0.005878	-0.034984	-0.022062
249	0.048615	-0.005951	0.0813	0.078932	0.069068	0.007025	-0.029699	-0.036091	-0.032069	-0.058393	0.035538	-0.049258	-0.059604	0.056042
250	0.061413	0.037437	-0.014612	0.014362	0.040739	-0.028921	-0.048815	0.001188	0.065785	-0.038797	-0.020706	0.017123	-0.009145	-0.003702
251	0.044645	0.010006	-0.066987	-0.002023	0.016894	0.038028	0.007777	-0.010693	0.012339	-0.066335	0.001857	0.005244	0.023998	-0.053265
252	-0.021837	-0.024947	-0.039468	0.045562	-0.034315	0.016309	-0.005261	0.007255	0.06916	-0.014386	0.052103	-0.052846	0.007721	0.047455
253	-0.002024	-0.003213	0.01785	0.047063	0.040991	0.022787	-0.008857	0.059823	0.027294	0.03268	-0.085104	0.003485	0.024571	0.042468
254	0.009216	0.018838	0.018467	-0.039971	-0.06751	0.042839	0.010681	-0.056686	-0.003837	0.053497	0.056676	-0.053542	0.024572	0.052778
255	-0.012691	-0.021335	-0.043505	-0.026467	-0.056909	-0.008175	-0.021855	-0.000203	0.019717	0.046562	0.015868	-0.019163	-0.001799	0.032327
256	-0.030042	0.006482	0.046824	0.045529	0.052184	-0.063867	-0.001643	-0.01453	0.058721	0.01813	-0.119224	-0.056485	-0.001302	-0.018504
257	-0.033307	0.013272	-0.043276	-0.009684	-0.014754	0.027474	-0.056963	0.044423	0.019381	-0.000237	-0.020602	0.009375	0.016393	0.004197
258	0.020282	0.052094	-0.000346	-0.015782	-0.032399	0.013799	-0.024735	-0.003146	-0.031942	0.06628	0.031559	0.036917	-0.041432	-0.055698
259	0.002905	0.012789	0.021736	0.000721	0.00725	0.004141	0.018966	-0.06041	-0.056647	-0.097212	-0.008391	-0.016606	-0.026147	0.010827
260	-0.04829	0.034521	0.122452	-0.019731	0.064269	0.029704	0.091197	0.031181	0.046397	-0.044347	0.045039	0.065934	0.027065	0.067299
261	0.042015	0.109032	0.036045	-0.004409	0.027168	0.021739	0.031449	-0.022941	-0.020609	0.02654	-0.052336	0.016355	0.00881	0.005768
262	0.01133	0.067569	-0.051409	-0.004345	0.078121	0.03609	-0.011303	0.000172	0.017059	0.062647	-0.013307	-0.000721	-0.048849	0.008956
263	-0.006961	-0.001614	-0.044005	-0.015324	0.072863	0.007657	0.026473	0.009358	0.005177	-0.003857	-0.020447	0.020461	-0.037099	0.065296
264	-0.005487	-0.040243	-0.032745	-0.066889	-0.017291	-0.022051	0.01563	0.006259	0.018587	-0.029821	0.013453	0.133595	0.008251	-0.032272
265	0.021494	-0.012642	0.014578	-0.05518	-0.045501	-0.018448	-0.007809	0.059588	0.007886	0.083717	0.026011	0.033839	0.019967	-0.062118
266	-0.040661	0.072994	0.058953	-0.030171	-0.025634	0.006589	0.058619	0.022101	0.022339	0.094708	-0.09998	-0.001203	0.010208	0.029918
267	-0.028497	0.021571	0.020477	0.013303	0.054297	-0.034732	-0.057996	0.018935	0.123594	-0.003233	0.046552	0.101237	-0.03682	-0.026426
268	-0.000894	-0.027929	0.007799	0.006532	-0.012022	-0.017932	0.054152	0.024221	0.009189	-0.006894	0.053248	0.061591	-0.038042	-0.044339
269	-0.07107	-0.027721	0.025061	0.040296	0.046165	-0.01063	0.064069	-0.009994	0.02383	-0.022441	0.048999	0.004445	-0.008802	-0.01643
270	-0.011556	-0.018183	-0.013223	-0.016828	0.03323	-0.002151	0.039989	-0.026081	0.024088	0.005958	-0.005479	-0.017809	-0.008557	0.024367
271	-0.040674	-0.043537	-0.12832	0.006777	-0.052817	0.082436	0.089573	0.017856	0.056737	0.035939	-0.008075	-0.03616	0.064561	-0.047365
272	-0.007869	0.00759	-0.001361	0.016884	0.00371	0.011858	-0.059143	-0.055302	-0.014265	-0.014053	-0.033768	0.014155	0.010696	-0.073482
273	0.041801	-0.004248	0.012971	0.043658	0.010182	0.017731	-0.032621	0.006324	-0.061417	-0.040037	0.016348	0.019496	-0.02038	-0.032677
274	0.023104	0.010757	0.01848	0.0506	0.015169	0.014351	-0.020337	0.014655	-0.071923	-0.028325	0.020243	0.009156	-0.007582	-0.032236
275	0.066085	-0.062188	0.033458	0.009542	-0.015483	0.027241	-0.021708	0.016326	0.077051	-0.06313	-0.046008	-0.0447	-0.020644	-0.028541
276	-0.00356	0.06486	0.012411	0.022492	-0.046084	0.056888	-0.033613	0.014372	-0.018224	-0.009104	-0.02005	-0.080776	-0.03952	0.012912
277	-0.014672	-0.0106	0.004455	0.044253	-0.007856	0.014597	0.009398	0.049239	-0.00075	0.007644	-0.008274	0.037479	0.006416	0.015101
278	-0.027019	-0.013581	0.042065	0.033069	-0.000628	0.01989	-0.042273	-0.006239	0.012641	0.052755	-0.070425	0.026822	0.022357	0.079754
279	0.062272	-0.060405	0.025818	-0.005845	-0.028702	-0.058671	0.013553	-0.045703	-0.010491	-0.009813	-0.025182	-0.007303	0.010572	0.029102
280	0.118701	-0.036285	0.001584	-0.03008	0.004875	-0.05144	0.036945	-0.013455	-0.022124	-0.064677	-0.024213	0.047938	-0.042599	-0.028243
281	0.07935	0.061427	0.061908	0.010575	0.039149	-0.050467	-0.070266	-0.020139	-0.023976	-0.033582	0.030102	0.076996	0.037079	-0.003661
282	0.056672	0.033228	0.014476	0.053823	0.001571	-0.016861	-0.042108	-0.011003	0.019775	-0.037659	0.059134	-0.035599	0.000865	0.045138
283	0.058966	0.040838	0.049457	-0.01355	0.02908	0.042036	0.054807	0.031446	0.012313	-0.109465	-0.041123	0.013458	-0.110404	0.039892
284	0.012146	-0.010633	-0.01105	-0.014384	-0.00985	-0.006722	-0.036378	0.00809	0.043277	-0.025475	-0.026705	0.018753	0.037043	0.008916
285	-0.015433	0.010502	-0.01769	6.035785	-0.028795	-0.004396	-0.041307	0.063596	0.019994	-0.076764	-0.009566	-0.016504	0.021973	-0.023055
286	0.014725	0.067858	-0.013929	-0.022973	0.00217	-0.040582	0.032605	-0.100037	-0.005284	0.021406	0.0061	0.014241	0.020094	0.032758
287	0.034297	0.068054	0.023309	-0.020187	-0.012513	-0.057211	0.036361	-0.059348	0.023376	-0.01037	-0.008127	-0.009311	-0.036827	0.062243

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
288	0.049533	-0.008204	0.001851	-0.067419	0.041552	-0.022601	0.039998	-0.049662	0.011302	-0.012722	0.01291	0.079382	-0.061068	-0.012401
289	0.039106	0.023243	-0.01856	-0.039202	0.045654	0.030321	0.027426	0.020658	0.001843	0.029357	0.028748	-0.021291	-0.010916	-0.015176
290	0.063837	0.01765	0.012441	0.006492	-0.052628	0.041295	0.016585	0.012947	0.04696	-0.024459	-0.029794	-0.011773	0.008314	0.019654
291	0.065546	0.01207	0.00025	0.007413	-0.046043	0.030745	0.008275	0.010345	0.053539	-0.010931	-0.025187	-0.011243	0.00546	0.036504
292	0.054291	0.004593	-0.009742	0.015529	-0.051647	0.000822	0.016356	0.010402	0.016053	-0.028116	-0.01958	-0.018192	0.02562	-0.001074
293	0.108797	-0.030575	0.047594	-0.027008	-0.026766	-0.09494	0.037919	-0.077962	0.061523	-0.058038	-0.142152	0.054666	-0.00843	0.008742
294	0.026327	-0.008145	-0.001747	-0.066421	0.023878	-0.014424	0.048483	0.000764	0.017918	0.01437	0.047813	0.077436	0.004649	-0.026675
295	0.066591	0.015126	0.005011	-0.085203	0.011512	0.021536	0.008017	-0.004028	-0.006775	0.01711	-0.034066	-0.01491	0.005629	0.081052
296	-0.035416	-0.006745	0.008936	-0.025139	0.040379	0.028979	0.035882	0.03569	0.033265	0.079313	0.027947	0.000566	0.016415	0.032968
297	0.01862	0.083675	0.058176	-0.005272	0.045172	0.020069	-0.02694	-0.071499	0.016792	0.020002	-0.006324	0.040775	-0.032913	0.074215
298	0.016942	-0.050605	0.10741	0.047202	0.082792	0.005504	-0.024706	-0.052437	-0.020587	0.109712	0.017194	0.077843	-0.028263	0.103598
299	0.023694	0.053617	-0.00105	-0.005527	0.050524	0.090825	0.047961	-0.005804	0.004696	0.035293	0.011883	-0.036825	0.010684	-0.037858
300	0.094506	0.108897	-0.031023	0.012953	0.048385	0.05443	0.033913	-0.077142	-0.048749	0.016336	-0.048671	0.06934	0.000993	-0.046899
301	0.060638	-0.030805	-0.005724	-0.060561	0.009984	0.044856	-0.009108	0.023091	0.05309	0.004648	-0.027917	0.00873	0.023396	0.007932
302	0.053303	0.020308	-0.061455	-0.096113	0.058226	0.00116	-0.036066	0.07294	-0.002708	0.069716	-0.018284	-0.015535	0.010069	-0.050095
303	0.002162	0.030724	0.004827	0.044032	0.00499	0.084163	0.022225	-0.005894	-0.000897	0.03788	0.007467	-0.038917	0.03503	-0.055155
304	0.060204	0.023565	-0.088455	0.084686	0.033062	0.060741	0.024495	0.013105	-0.023209	-0.010896	-0.127631	-0.000934	0.035061	-0.035981
305	0.111554	0.079446	0.080234	-0.036899	-0.068627	-0.044793	0.151073	-0.077559	-0.102869	-0.045842	-0.031826	-0.085002	0.054538	0.041715
306	0.071449	0.017618	-0.015601	-0.044154	0.023054	0.031164	-0.074764	0.028487	0.067047	-0.022508	0.023546	0.014288	0.007504	-0.075537
307	-0.09951	-0.017565	0.012709	-0.012472	-0.142873	0.040688	-0.073843	0.030127	0.075622	-0.043321	-0.029149	0.030422	0.005878	-0.002557
308	-0.001846	0.036147	-0.032365	0.058393	0.045541	-0.046428	-0.026729	0.003705	-0.00174	-0.038206	0.006676	0.007485	0.01745	-0.013241
309	0.002167	0.013151	-0.016536	0.052966	-0.002228	-0.01014	-0.058237	-0.000689	0.062678	-0.038739	0.025427	-0.029526	-0.059751	0.071187
310	-0.009896	-0.032257	0.016637	0.035502	0.024495	0.037336	-0.089051	0.081864	0.081166	-0.041968	0.074255	-0.055619	0.085848	-0.030592
311	0.069268	-0.07235	0.038803	0.02195	-0.029296	0.050742	0.095468	-0.021959	-0.029099	-0.00579	-0.02991	0.039086	-0.085118	0.050677
312	-0.091777	0.180425	-0.065914	-0.041318	0.026865	-0.046462	-0.044996	-0.021174	-0.045134	0.012268	-0.03284	0.025887	0.08604	-0.060431
313	-0.022271	-0.084595	-0.079505	0.018968	0.002439	-0.054583	0.000072	-0.025672	-0.014184	0.065985	-0.04827	-0.033475	0.042576	0.025284
314	-0.010054	0.053174	0.0268	0.010506	-0.013654	0.030113	-0.147687	-0.068247	0.125628	0.088081	-0.011809	0.007883	-0.013679	0.001147
315	-0.02964	0.052545	-0.006298	0.01152	0.015814	-0.030729	0.010976	0.026144	-0.030625	0.094211	-0.006923	-0.05859	-0.040561	0.022854
316	-0.037323	-0.035871	0.079781	-0.010246	-0.050135	-0.024388	-0.02282	-0.082143	-0.056453	0.055216	0.046009	-0.119321	-0.066582	0.014558
317	-0.001904	-0.028509	0.048732	0.03644	-0.004458	0.016749	-0.08406	0.085065	0.075765	-0.04507	0.010033	0.010063	0.00736	0.120542
318	-0.05	-0.007897	-0.031568	-0.044006	-0.049348	0.108034	-0.01622	0.052361	-0.087144	-0.022876	-0.044904	0.070722	-0.018776	0.046652
319	-0.049751	0.035622	0.025098	0.039933	0.035839	-0.004468	-0.009738	0.055439	-0.013241	0.023642	0.016954	-0.00535	-0.025114	0.082743
320	-0.030186	-0.075396	-0.045907	0.023856	-0.078477	-0.018512	0.008886	0.026335	-0.011005	0.070379	-0.007953	0.046979	-0.032267	-0.068388
321	0.038073	0.033612	-0.057496	-0.068518	-0.034939	0.008472	-0.02306	-0.028902	0.072164	0.055048	0.007143	-0.086689	-0.027424	-0.058685
322	0.040656	0.034302	-0.009419	0.01529	-0.105913	-0.054615	0.032735	0.048581	0.020674	0.010651	-0.034238	0.053315	0.05668	0.022588
323	-0.053159	0.033938	-0.050499	-0.029324	-0.047254	-0.007201	-0.094937	-0.022167	-0.022941	-0.001306	-0.041968	0.104676	-0.015384	0.111736
324	-0.029508	-0.11726	0.059711	-0.126734	-0.017839	-0.104931	-0.044947	-0.020169	-0.048321	0.07491	-0.006144	0.015843	-0.000664	-0.026762
325	-0.030305	0.000852	0.077628	0.030328	-0.020477	-0.044566	-0.07087	-0.079464	0.066246	0.046253	-0.017294	-0.080625	-0.015009	0.009566
326	0.037757	-0.092428	0.029474	-0.059224	0.060938	0.024161	0.027407	-0.022401	0.040078	0.002485	0.065629	-0.097092	0.00468	-0.048386
327	-0.002905	0.024678	-0.074692	-0.033933	-0.035671	0.00692	0.007491	0.023428	-0.046793	-0.017234	0.065407	-0.027011	0.063914	-0.017794
328	-0.042961	0.085943	0.019395	0.051843	0.028066	-0.150116	0.052701	0.078603	-0.072477	-0.129372	-0.079473	-0.055473	-0.014934	0.182967

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
329	-0.049969	0.026277	-0.063729	-0.066958	0.00664	0.134596	0.0318	0.032397	-0.063755	-0.029778	0.024006	-0.061929	0.068453	0.049446
330	0.05126	-0.06138	0.104102	-0.003041	0.095747	-0.044267	-0.13079	0.042706	0.058911	-0.02481	-0.022249	0.087184	0.044305	-0.057801
331	0.016609	0.031586	-0.047189	-0.035231	-0.036645	-0.064354	0.072576	-0.08784	0.017507	0.014688	0.032781	0.006045	-0.023702	0.025062
332	0.006334	-0.083278	-0.019253	0.053657	-0.00739	0.064049	0.102304	-0.038377	0.025986	0.017271	-0.004958	0.027704	-0.00788	-0.105232
333	-0.073742	-0.040698	-0.007392	0.002655	-0.065514	-0.032904	-0.018765	-0.038661	0.051669	-0.036682	-0.009776	-0.029513	0.015088	0.082964
334	-0.043725	0.013304	-0.057824	0.01248	-0.020411	0.029117	-0.128037	0.021921	0.044835	0.035432	-0.045598	-0.086478	-0.124507	-0.055718
335	-0.040645	-0.021584	0.014123	-0.041155	0.023475	-0.03468	-0.039349	-0.061579	-0.063086	-0.061704	-0.019789	-0.049219	0.098862	0.032631
336	0.030923	0.076213	-0.102717	-0.020514	0.064738	0.026588	0.018626	-0.020607	0.101797	-0.186569	0.078468	-0.047087	-0.118625	-0.003031
337	0.005836	-0.044087	0.100864	-0.010422	0.024206	0.055785	0.064964	-0.00194	-0.031239	0.028783	0.027303	-0.021193	0.060057	-0.062142
338	-0.042673	-0.020682	0.002848	-0.02793	0.112143	0.019306	-0.074048	-0.031867	-0.036847	0.075286	0.073386	0.03032	-0.044462	-0.032728
339	0.181777	0.068252	-0.005089	0.069623	-0.126485	-0.107954	0.010883	-0.017598	-0.014994	-0.048053	0.011227	-0.027446	-0.091176	-0.064819
340	-0.080535	0.004796	0.003398	0.045453	-0.083443	0.058619	-0.116528	-0.078074	-0.059798	-0.007371	0.008067	0.01706	-0.001741	-0.008555

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
1	-0.077872	0.040338	-0.021066	-0.061642	0.129158	0.066947	0.040786	-0.083018	-0.087215	-0.007825	-0.089877	-0.024334	0.000357	0.002546
2	0.022861	0.055309	0.079639	0.06772	-0.210856	0.146124	0.037481	0.118911	0.132305	0.115527	0.028799	0.026702	-0.023478	0.031839
3	-0.09574	0.002447	-0.012745	-0.106934	0.139756	-0.00192	-0.040958	0.01183	0.004236	-0.050072	-0.078264	0.026646	-0.001674	-0.045474
4	-0.03091	-0.023056	-0.0001	-0.039743	-0.078157	-0.014465	-0.008224	-0.040062	0.013191	0.051822	0.085537	0.125989	0.030354	0.142005
5	0.166962	-0.085552	-0.019581	-0.077451	0.003647	-0.041615	-0.00649	-0.046372	-0.028748	0.077336	-0.021252	-0.015826	-0.021739	0.121223
6	0.005186	-0.111501	0.005929	0.030403	0.029655	0.030783	0.015326	-0.035415	-0.002217	-0.056598	-0.060444	0.003929	0.024988	-0.04684
7	-0.051917	0.101633	-0.065097	-0.089298	0.060748	-0.027696	-0.019552	0.01591	0.053286	-0.046262	0.119621	0.046312	-0.006153	-0.035415
8	0.035407	0.083824	-0.020302	-0.01617	-0.135692	-0.015093	0.050874	-0.026218	0.017192	-0.011346	-0.091224	0.055689	0.061092	0.152667
9	0.048816	-0.033608	-0.162734	0.011199	0.03785	-0.049987	-0.024358	0.012579	-0.007818	-0.004639	-0.174656	0.004569	0.004496	-0.024062
10	-0.011157	-0.025466	-0.008429	0.158406	0.021717	-0.013148	-0.024534	-0.069217	-0.026572	-0.029548	-0.085534	0.075834	0.008551	0.08315
11	-0.004495	0.011347	-0.006683	0.041727	0.041634	0.005531	-0.020138	-0.0191	0.003498	0.080493	-0.040091	0.053781	-0.067538	-0.05841
12	0.077667	-0.034915	-0.041696	0.028763	0.043445	-0.013342	-0.010767	0.037167	-0.039461	-0.094685	0.017791	0.03974	-0.00229	-0.050807
13	0.011522	0.1007	-0.057905	-0.185787	-0.056191	0.032478	0.030447	-0.002824	-0.094726	-0.064112	0.04808	-0.092153	-0.012532	0.079582
14	0.03562	-0.078145	0.051328	0.024846	-0.015054	-0.005577	0.028802	0.04537	0.044395	0.022956	0.010014	0.030158	0.031933	-0.056236
15	-0.021349	-0.073922	-0.033288	-0.102639	-0.014578	-0.029978	0.017273	0.036637	0.019239	0.023124	-0.066845	0.002897	0.033565	-0.068404
16	-0.040447	-0.044305	-0.021723	0.090675	-0.11174	0.002372	-0.012205	0.035973	-0.063445	-0.044863	-0.016442	-0.011039	-0.091969	0.009858
17	-0.052211	0.108437	0.009305	-0.131519	-0.100644	0.011855	0.074634	-0.034265	-0.065353	-0.029565	-0.068262	-0.034535	0.032601	0.131784
18	-0.075164	0.064001	-0.021565	0.039093	0.01026	0.016316	-0.034615	0.043118	-0.048977	-0.077002	-0.145895	0.030433	-0.04269	-0.044095
19	0.111211	-0.158911	-0.056516	0.026102	0.015751	-0.102675	-0.021366	-0.02821	-0.007487	-0.03381	0.045583	-0.010168	-0.003767	-0.031924
20	0.001389	0.030834	-0.052371	0.059306	-0.063813	-0.028887	-0.02692	0.009183	0.010586	-0.012799	0.093989	0.001321	-0.062951	0.106563
21	0.04912	0.00196	0.026215	0.075264	0.132899	-0.001255	0.004466	-0.026761	-0.08728	-0.051382	-0.056389	-0.134177	-0.032463	-0.113919
22	-0.021638	0.039093	-0.007917	-0.004745	-0.088888	0.033609	-0.078128	-0.043431	0.003013	0.028483	-0.00588	0.058248	0.035633	-0.065137
23	-0.029248	0.058154	-0.013307	-0.111078	-0.0206	0.005354	-0.012056	0.015865	-0.040067	-0.126163	0.038338	0.07701	-0.00356	0.000837
24	0.030665	0.07706	-0.048944	0.032695	-0.088011	-0.050239	0.046904	-0.059012	0.019657	-0.024292	0.036203	-0.030737	-0.010275	0.040923
25	0.035988	0.03618	0.017911	-0.068033	-0.007191	0.000511	-0.016509	0.021025	0.04537	0.070244	0.091021	0.047152	0.003388	-0.016989
26	0.026959	-0.028001	-0.01699	-0.13506	0.206652	-0.051546	-0.006124	-0.006922	-0.099657	0.002907	-0.013657	0.020107	0.03408	0.036645
27	0.006537	-0.008767	0.024268	0.042589	0.04366	0.093651	0.012394	-0.049512	-0.027831	0.095861	0.065727	-0.164038	-0.062135	-0.019821
28	0.006733	0.024194	0.027493	0.071287	0.092326	-0.027118	0.049546	0.013395	-0.004722	0.101469	0.051723	0.027331	0.035804	-0.049203
29	-0.004891	-0.075997	-0.002813	-0.03664	-0.4824	-0.031059	-0.018604	-0.029787	0.00044	-0.022671	0.037944	-0.020373	-0.020385	-0.079102
30	0.00247	-0.036615	0.043912	-0.019011	-0.023386	-0.006911	-0.022759	0.116449	0.113908	0.037304	0.053967	-0.137938	-0.08264	0.005045
31	0.028527	-0.109978	0.044207	0.101688	-0.000022	0.008658	-0.010875	-0.067875	0.044265	-0.126705	0.014659	-0.009179	0.107257	0.068819
32	-0.022607	0.023783	-0.013268	0.093929	-0.049349	-0.000145	0.002637	-0.022966	-0.002168	-0.011521	-0.017516	0.067764	-0.018932	0.040588
33	-0.013233	-0.07711	-0.016622	-0.039751	-0.029353	0.048424	0.019677	0.012815	0.072327	-0.051777	0.070977	-0.06023	0.04399	0.057393
34	0.00662	0.013094	0.005993	0.117142	0.000673	0.011296	0.030813	-0.050017	-0.124108	-0.08207	-0.02206	0.014551	0.043343	0.020765
35	0.12511	-0.00891	0.015249	-0.047977	-0.03441	-0.006831	-0.004805	-0.06831	-0.112081	-0.061805	0.113715	0.0055	0.031643	-0.124079
36	-0.060234	-0.011585	0.012271	0.085953	-0.063124	-0.029097	-0.001425	-0.007409	0.052372	-0.116825	-0.041654	-0.079498	-0.137624	-0.019666
37	0.045342	-0.098848	-0.012588	0.004982	0.023506	-0.018974	-0.000714	0.117084	0.081011	0.053141	-0.197799	0.03453	0.017158	0.004634
38	0.160041	0.022484	-0.02232	0.036501	0.001142	-0.020881	-0.013706	-0.032938	0.037258	-0.008111	-0.020589	-0.015137	-0.025959	-0.008893
39	-0.075391	0.053034	-0.07749	0.002007	-0.031203	-0.070731	-0.026478	-0.016049	-0.094525	-0.004427	-0.157909	0.013571	0.176829	-0.041138
40	0.042854	-0.012871	-0.100693	0.205321	-0.000012	0.060711	0.061927	0.04642	-0.022203	0.079508	0.033307	-0.0418	-0.021364	0.012637
41	0.002451	-0.026994	-0.104655	-0.033152	0.058061	0.038441	0.060596	0.008854	-0.012485	0.111117	0.149039	0.009673	0.038006	0.055954

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
42	0.005186	0.003924	0.864825	-0.127917	0.059426	-0.019276	-0.001798	-0.010536	-0.007004	-0.031902	-0.024744	0.009887	-0.012452	0.015572
43	0.062874	0.011148	-0.060087	0.019081	0.026804	0.016904	0.033076	-0.13487	-0.001591	-0.084092	-0.026239	0.034733	-0.036344	-0.008082
44	0.035602	-0.032145	-0.053832	0.000213	0.022554	0.00855	-0.032897	0.066032	0.171728	-0.093463	0.110574	0.040946	-0.060233	0.03355
45	0.045367	0.04036	-0.062126	-0.084148	-0.065696	-0.023733	-0.038222	0.010014	-0.019363	0.134956	-0.098065	0.034409	0.186184	-0.005612
46	-0.00872	0.076485	-0.015064	0.042302	-0.027672	-0.052212	-0.007317	0.021349	-0.095783	-0.045347	-0.065953	0.06404	-0.02212	0.080515
47	0.040294	-0.008327	0.002126	-0.001616	-0.014184	0.020416	-0.007764	-0.026042	0.087287	0.176775	-0.057816	0.009041	0.000164	-0.026427
48	0.02851	-0.074308	-0.041603	-0.041421	0.003549	-0.05809	0.032142	-0.06143	-0.018165	-0.019768	0.003417	0.075133	-0.108005	-0.141449
49	-0.00683	-0.095399	-0.014782	-0.015726	-0.030382	-0.015849	0.005405	-0.110222	0.012774	-0.010503	-0.021533	-0.074124	-0.030585	-0.042014
50	-0.018622	0.002328	-0.002332	-0.082721	0.004063	-0.010948	0.066211	-0.072421	0.069956	0.048305	-0.014282	0.040971	0.018388	0.005611
51	0.031555	-0.011659	-0.027224	-0.05221	-0.0218	0.05041	0.017488	-0.059699	-0.243674	-0.057415	0.000895	-0.012453	0.003876	0.083988
52	0.003579	-0.029226	0.016371	-0.061187	-0.005733	-0.014043	0.024272	0.075924	0.058897	-0.05363	-0.090733	-0.018081	-0.019904	0.005886
53	-0.104275	0.028498	-0.003644	-0.048686	-0.036927	-0.018781	-0.012531	-0.009756	0.099689	0.016989	0.063183	-0.050149	-0.125782	0.056885
54	0.057579	-0.042647	-0.050252	0.081095	0.082673	-0.095299	-0.070624	-0.00864	0.044804	0.064694	0.073979	0.013639	0.014206	0.030977
55	-0.017419	-0.079351	-0.010806	-0.066327	-0.017683	-0.050036	0.016441	0.023265	-0.050116	-0.096158	0.026888	-0.114289	-0.036473	0.011391
56	0.046184	-0.021455	-0.024482	-0.138373	-0.018677	0.058613	-0.083915	0.092838	-0.051755	0.027206	0.069123	0.004134	-0.056996	-0.056765
57	0.057383	0.033225	0.001062	-0.002038	0.018117	-0.014752	0.0327	-0.001089	0.008972	-0.070482	-0.057782	0.078678	0.032257	-0.089345
58	0.074295	0.064717	-0.014528	-0.041768	0.07144	0.053482	-0.025107	0.092316	0.050957	0.000687	-0.02931	0.110343	-0.001067	-0.009762
59	-0.048071	-0.005103	0.002083	0.026523	-0.032187	0.01096	0.017001	0.008601	-0.050249	0.02058	0.066213	-0.052379	0.040453	0.124154
60	-0.010929	0.004036	0.003085	-0.02188	0.01755	0.051702	-0.024378	0.056251	0.027947	0.015015	0.027987	0.059498	-0.031391	-0.013994
61	-0.081407	0.031235	-0.017377	-0.008264	0.015865	-0.058306	-0.056892	0.041448	-0.016389	-0.034287	0.007456	-0.018427	-0.047535	0.046786
62	0.033802	-0.012323	0.002641	0.056809	0.001885	-0.023017	0.065011	0.05194	0.045723	0.022515	-0.15276	-0.058304	0.025065	0.060288
63	0.06307	-0.006671	-0.054951	-0.074164	-0.023244	0.025491	0.065059	-0.036465	0.172675	-0.047438	-0.001992	0.020611	-0.023874	0.0231
64	-0.003706	-0.046169	-0.012633	0.031208	-0.060285	0.03697	-0.036272	-0.093346	-0.107706	-0.096113	-0.011012	0.004333	0.030704	-0.083531
65	0.112583	-0.00407	0.000016	-0.103537	0.051823	-0.01034	0.003157	0.10358	0.009365	0.088676	-0.073099	0.000921	-0.053386	0.067097
66	0.002784	-0.051385	0.003968	0.038395	-0.058546	-0.019857	0.006969	0.014009	-0.004219	0.028092	-0.106589	0.027141	-0.050562	-0.075861
67	-0.048781	-0.000788	0.003723	-0.043428	0.074966	0.041987	-0.02436	0.019471	-0.000687	-0.076678	-0.095713	0.028911	-0.04064	-0.014242
68	-0.04787	-0.005069	0.015202	0.066049	-0.051754	0.005601	0.012058	-0.0332	-0.047491	-0.002114	0.021011	-0.022208	-0.091423	-0.062648
69	-0.008883	-0.048256	0.005347	0.019518	-0.006249	0.054717	0.013787	0.044683	0.016081	-0.027424	0.0439	0.020275	0.017024	0.073988
70	-0.016681	0.02667	-0.003198	-0.009678	-0.011041	-0.039317	0.015935	-0.102745	-0.031237	0.087023	-0.054493	-0.042798	-0.020446	-0.000815
71	0.019584	0.037808	0.009584	0.015942	0.012206	-0.047606	-0.050241	0.034902	-0.082019	-0.08403	-0.078306	-0.098737	-0.059947	0.060681
72	0.063615	-0.017815	0.008505	-0.085651	0.013594	0.044927	0.043531	0.024612	0.120852	0.041757	0.002514	0.029725	-0.08037	0.047158
73	0.025787	-0.056769	-0.001933	-0.037076	0.018909	0.021177	-0.033821	-0.012064	-0.064315	-0.023854	0.034893	0.021246	-0.024778	-0.019299
74	-0.034677	0.023765	-0.034117	0.010028	-0.021226	0.014042	-0.035107	-0.006998	0.018299	-0.037437	0.00913	0.017457	-0.00817	-0.036319
75	0.032107	0.02486	0.014767	0.077062	0.011214	-0.061396	-0.004547	0.045089	-0.009293	0.027936	-0.029376	0.08202	-0.012096	0.007152
76	-0.049694	-0.121901	0.027376	0.044121	-0.046493	0.008607	-0.002244	-0.098298	-0.000073	-0.02956	-0.134674	0.066872	0.034498	0.006646
77	-0.023427	0.01651	-0.003972	0.057114	0.023168	0.02433	-0.040898	0.039792	0.048829	-0.039475	-0.036392	0.005107	-0.107766	-0.00084
78	0.023748	0.021801	-0.010129	-0.016728	0.035997	0.108074	0.070524	-0.033335	-0.011108	0.050111	-0.074562	-0.008835	0.017629	-0.040243
79	0.010317	0.020219	0.005403	0.019559	-0.005254	-0.074629	-0.036442	0.081292	0.01651	0.038656	0.244605	0.002274	0.068551	-0.115155
80	0.042096	-0.066433	-0.022826	-0.09969	-0.003962	-0.033969	-0.035558	0.005728	0.047593	-0.024731	0.045072	-0.008639	0.01556	0.078539
81	0.009914	-0.070535	-0.022452	-0.049568	0.015264	-0.014817	-0.050958	0.007297	-0.046056	-0.062307	0.05182	0.021729	0.023712	0.040177
82	-0.047906	-0.023464	-0.015469	0.040704	0.078738	0.005634	-0.029328	0.036674	0.101852	0.006598	-0.039145	0.000546	0.047749	0.009941

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
83	0.067979	0.044685	-0.010058	-0.076009	0.064057	0.009921	-0.000305	0.014116	0.019788	0.047828	-0.017156	0.057497	-0.048819	0.003453
84	-0.02386	0.087815	0.004249	0.02995	0.067766	0.025047	0.014902	0.034249	-0.001325	0.006715	0.012696	0.107922	-0.02995	-0.157756
85	-0.057973	-0.030233	-0.011571	0.041541	-0.015682	-0.021204	0.019435	-0.037509	0.057422	0.153281	0.026828	0.019946	-0.112231	0.036569
86	-0.014064	0.04309	-0.02143	-0.051317	0.059416	-0.04829	0.036511	0.002978	0.072653	-0.083652	-0.023508	0.000797	0.078406	-0.016546
87	-0.09732	0.107102	0.026349	-0.015491	0.003432	-0.051781	-0.010414	-0.08074	-0.094197	0.060063	0.017414	0.026648	0.004475	-0.068182
88	-0.021291	-0.086932	0.008493	-0.034876	0.032349	0.019567	0.010826	-0.041961	0.03827	0.029195	-0.104043	-0.005465	0.004004	0.032529
89	0.008614	0.004573	0.01424	-0.006875	-0.037126	0.004604	0.050564	0.004318	-0.053491	-0.062097	0.0104	0.09052	0.178139	0.048363
90	0.019141	-0.002937	0.027117	0.079587	-0.051405	-0.004952	-0.011108	0.080094	-0.052349	-0.079074	0.013969	0.094886	-0.1241	-0.15274
91	0.024811	0.051731	-0.023468	0.005892	-0.000493	0.037513	0.000216	-0.024783	-0.125376	-0.037438	0.127059	-0.017567	-0.097589	0.074723
92	0.061697	-0.016024	0.030171	-0.009109	-0.016725	-0.007897	-0.000286	-0.017507	-0.021411	0.106505	0.029995	0.009691	0.003553	0.066066
93	0.029378	0.035291	-0.001894	-0.045751	0.009778	0.079137	-0.010705	0.057654	0.041506	0.016676	-0.087823	-0.091835	0.11378	-0.019852
94	0.008377	0.117254	0.028015	0.071767	0.080702	-0.024927	-0.018895	-0.081596	0.017573	0.039849	-0.041083	-0.013695	-0.037664	0.045307
95	0.000909	-0.022835	0.014669	-0.001902	-0.016978	-0.074493	0.049258	-0.149681	-0.060514	-0.059179	0.139419	0.02357	0.021522	0.098276
96	-0.019083	-0.043432	-0.005532	0.063756	0.011037	0.033604	-0.02338	0.033365	0.004788	-0.040695	-0.008916	0.080267	0.046771	-0.045304
97	0.118813	0.078567	-0.035079	0.079847	-0.00423	-0.045155	-0.047601	-0.104882	-0.070772	-0.008338	-0.05186	0.061978	-0.024762	0.009063
98	-0.032414	-0.008128	0.015112	0.008413	0.037937	-0.036314	-0.120661	-0.020488	0.076903	-0.02644	-0.061345	-0.003473	0.105502	0.140024
99	-0.027335	-0.014643	0.028351	0.014066	-0.042197	0.001631	0.023318	-0.091927	0.011225	-0.050505	0.012863	0.032489	-0.054395	0.064892
100	0.037519	-0.016101	-0.012121	-0.002878	0.022026	0.841827	-0.025365	-0.032207	-0.043565	-0.031624	0.014969	0.014853	-0.004302	-0.004152
101	-0.019325	-0.010186	0.015585	-0.00715	0.027461	-0.034402	0.892511	0.039581	-0.014117	-0.021229	0.01724	0.023408	-0.019476	-0.034361
102	-0.007118	-0.04362	0.011729	0.050313	-0.034586	-0.041748	0.027455	0.715748	-0.127097	-0.046851	-0.014765	-0.019254	0.014873	0.042683
103	0.008363	0.092787	-0.009496	-0.007595	0.043586	-0.022957	-0.002018	-0.119017	0.601186	-0.084665	-0.016958	-0.027187	0.02712	-0.025167
104	-0.103236	0.035646	0.029524	0.017232	0.02017	-0.024733	-0.008754	-0.057137	-0.09647	0.637188	0.020669	-0.012765	-0.017098	-0.012246
105	-0.124733	0.024558	0.02737	0.079866	0.114358	-0.005595	-0.006668	-0.009924	0.013429	0.012802	0.464621	0.018777	0.050808	0.012201
106	-0.081489	0.008339	0.019626	-0.019854	-0.002388	0.009402	0.012561	0.000771	-0.010395	0.006289	0.022919	0.732473	-0.057176	0.022556
107	0.10594	0.107016	0.005924	0.10233	-0.022728	0.004765	-0.001397	0.039555	0.034535	0.002156	0.066019	-0.034509	0.658993	-0.064309
108	0.116898	-0.011461	-0.014489	0.055539	0.139233	-0.009985	-0.017847	0.010897	-0.015929	-0.010349	0.022348	0.050103	-0.070503	0.572223
109	-0.038763	0.005121	0.01767	0.027356	0.050567	-0.045544	0.017932	-0.040903	-0.017302	-0.089883	0.029303	0.01292	0.004294	-0.052927
110	0.081361	0.00174	0.030945	0.039032	-0.0173	-0.007884	-0.006363	0.035033	-0.012296	0.032954	0.038775	-0.000865	0.020751	-0.009064
111	0.032815	0.100548	-0.05262	0.040767	0.115317	0.00016	0.018283	-0.002338	0.027613	-0.002529	-0.021705	-0.037586	-0.049841	-0.101943
112	-0.072356	-0.075901	-0.004482	0.015535	0.00092	0.003617	-0.001874	-0.048442	-0.009995	-0.024117	-0.041704	-0.066387	0.000677	-0.093348
113	0.021315	0.041479	0.025652	-0.083821	-0.103823	0.002522	0.021915	0.008636	0.003723	0.012703	-0.026339	-0.032307	-0.017777	-0.036877
114	0.022879	0.054522	-0.002896	0.047601	0.010182	-0.000764	0.027005	0.02922	0.028444	-0.006746	-0.021644	0.018593	-0.016396	-0.066786
115	0.004056	-0.054591	-0.024192	0.012908	0.051623	-0.00796	-0.023214	0.024806	0.050092	-0.010018	-0.001753	0.012455	-0.049932	-0.055562
116	0.100008	0.006232	0.014043	0.02743	-0.052798	-0.011702	-0.015026	0.001434	0.010957	0.064974	-0.072262	-0.020155	-0.02688	0.001564
117	-0.027811	-0.035165	-0.028087	0.038359	0.038122	-0.018813	0.021387	-0.037315	-0.043409	0.003414	-0.006769	0.026085	-0.01395	-0.004589
118	-0.106841	-0.112952	0.010241	-0.02001	-0.003635	0.001643	0.010124	0.029246	0.065168	-0.056736	0.075544	0.096391	0.043878	0.001555
119	0.005453	0.047455	-0.013491	-0.036985	-0.019253	-0.005774	0.01639	0.048034	0.012386	0.011584	0.039463	0.022832	-0.013865	-0.001833
120	0.086197	-0.041526	-0.034652	0.029691	-0.008987	-0.032456	0.019969	-0.036952	-0.011657	0.008505	0.020244	0.016021	-0.060342	-0.028287
121	-0.119218	-0.066662	-0.011405	0.027977	-0.036967	-0.018697	0.018323	-0.052776	-0.016457	0.027114	-0.041159	-0.019105	0.029839	0.075935
122	-0.014275	-0.022887	0.033269	-0.036802	-0.023802	0.040901	0.007563	-0.0252	-0.009594	0.00018	0.015531	-0.021565	-0.026752	0.034905
123	-0.080585	0.026896	-0.005985	-0.044961	-0.012726	0.031111	0.015834	0.043645	0.018352	0.05455	-0.024873	-0.010058	-0.035828	-0.006414

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
124	-0.003297	-0.061454	0.010913	0.08281	-0.06073	-0.008591	0.005453	0.007086	0.016576	0.016958	0.021524	-0.006265	-0.026371	0.020054
125	-0.058561	-0.04944	0.022342	-0.022897	0.015849	0.019456	0.004028	-0.027801	0.028722	0.016123	-0.013165	0.022697	0.048379	-0.007565
126	-0.025321	-0.076812	0.004464	-0.022525	0.001675	0.028051	0.025627	0.016061	0.029808	0.011795	-0.011012	-0.010797	-0.002036	0.03281
127	-0.035589	-0.06142	-0.015947	-0.034704	0.037828	0.015228	0.018357	0.022429	-0.004426	0.004179	0.055034	-0.006904	-0.004187	0.011873
128	0.094247	0.08752	-0.010478	-0.01633	-0.065439	-0.039312	0.01708	-0.006705	-0.02087	-0.056665	0.018047	0.015131	-0.020421	0.015318
129	0.05479	0.020659	-0.002061	0.007532	-0.034264	0.02948	0.036719	-0.030975	-0.033031	-0.010204	0.033603	-0.015498	0.044695	0.006389
130	0.035205	0.127738	-0.004367	0.059399	0.046131	-0.007282	-0.021252	0.04968	-0.007132	-0.055037	0.035179	-0.003146	0.01258	0.025333
131	0.051721	-0.048431	-0.025503	0.060181	0.035924	-0.014493	0.00526	0.008881	-0.052504	0.085314	-0.099624	0.034026	-0.046792	0.018234
132	0.081976	0.135769	-0.015652	0.012611	-0.092384	0.011276	0.012496	-0.025871	-0.008227	-0.009802	-0.009722	0.042762	-0.062982	-0.048183
133	0.016872	-0.06509	-0.022956	-0.068178	0.022328	-0.01352	-0.003433	-0.020948	-0.098272	0.009901	0.003279	-0.029054	-0.000668	-0.04009
134	0.122161	-0.025233	0.023449	-0.057597	-0.050692	0.023169	-0.022526	0.020714	-0.027052	-0.004832	0.051583	0.109731	0.017155	-0.003088
135	0.013965	-0.060472	0.007597	-0.005576	-0.031885	-0.008623	0.0014	0.016373	-0.000867	-0.0055	0.001239	-0.015248	0.007799	0.003987
136	-0.02925	-0.13039	0.051897	0.012836	0.015691	-0.020812	-0.019867	-0.013832	0.02148	0.062553	-0.066855	-0.016109	0.047194	0.027718
137	0.068458	0.094951	0.021828	0.001775	0.000137	0.006736	-0.028889	0.022736	-0.057052	-0.015653	0.014767	-0.000886	0.023898	-0.007326
138	0.047867	0.043959	0.04419	0.004552	0.022621	0.05836	0.005235	0.083298	0.002468	0.031226	0.036215	0.007367	-0.042643	-0.016796
139	0.003606	-0.04686	0.002063	0.02094	0.04863	0.000909	-0.025731	-0.012949	-0.017904	0.028724	-0.022659	0.075934	0.033434	-0.062133
140	-0.041403	0.101771	-0.018171	0.005165	0.13193	0.032635	0.024342	-0.002461	0.011285	0.020657	0.033892	-0.051323	0.012689	-0.036225
141	0.111943	0.075441	0.069404	0.030248	-0.002285	-0.015155	0.020228	0.008455	-0.022365	0.002195	-0.049829	-0.009601	0.000182	0.005974
142	-0.125617	-0.107446	-0.018985	-0.029619	0.05932	0.016412	0.007905	0.019	0.00846	-0.00725	-0.037413	-0.000918	0.074781	0.052418
143	-0.00686	-0.071383	0.034527	0.044118	0.032066	-0.003249	-0.021292	-0.057276	-0.016232	-0.019362	0.008007	-0.016925	-0.028961	-0.044427
144	0.0349	0.017018	0.018639	-0.025317	-0.01583	-0.008116	0.014732	-0.017902	0.000193	0.034791	0.02993	-0.035867	0.026895	0.029677
145	0.041481	0.013271	-0.006789	-0.025545	0.063186	0.018867	-0.018922	-0.005637	-0.032351	0.00672	0.005613	0.03076	-0.016437	-0.021289
146	0.076142	-0.004979	0.012356	-0.027065	-0.020469	-0.00649	0.00081	0.017418	0.006203	0.005112	-0.002244	0.019269	0.000815	-0.043441
147	-0.068141	0.103255	0.021462	0.01198	-0.093907	-0.014658	0.002949	0.029736	0.076783	0.000337	-0.012591	-0.02554	0.012656	0.013113
148	-0.050471	0.029074	0.007962	-0.025998	0.057872	-0.016216	-0.015567	-0.014674	-0.045182	-0.051142	0.020221	-0.061287	-0.013158	0.031815
149	0.009228	0.009264	0.009142	-0.029569	0.017665	-0.004239	-0.027661	0.040165	-0.042011	-0.049794	-0.001864	0.008078	0.016949	0.033288
150	0.081416	0.045139	-0.05354	-0.00922	-0.021237	0.012467	-0.004335	-0.001907	0.017596	-0.054766	0.028398	0.033713	-0.021359	-0.014327
151	-0.033258	0.07987	-0.028212	0.00215	0.009939	-0.018484	-0.023522	-0.006481	-0.037201	-0.099484	0.011688	-0.025393	-0.025961	-0.02696
152	-0.149214	-0.045893	-0.006094	0.072005	-0.055262	0.004974	0.00677	0.003467	0.007286	0.030128	0.005951	0.011605	0.048267	0.076613
153	0.042423	0.077347	-0.008221	-0.032111	-0.019653	0.010395	0.004717	-0.002154	0.000512	0.001748	-0.035361	0.019999	0.036144	0.010518
154	-0.05665	0.122765	0.012529	-0.005066	0.015623	0.008852	-0.002894	0.013007	0.042124	-0.006131	-0.074216	0.005064	0.050258	0.062425
155	-0.044961	0.015791	0.028638	0.04987	-0.009734	0.021764	0.024787	-0.020957	0.048382	-0.023912	-0.00665	0.002126	0.042019	0.010414
156	-0.124281	0.088321	-0.000337	0.03874	-0.020858	-0.034385	0.001219	-0.017732	-0.006515	-0.061338	0.087842	-0.008465	-0.006473	-0.050366
157	-0.019138	0.095291	-0.027575	-0.038686	0.084278	-0.009056	0.02457	0.011908	-0.020088	-0.056087	0.027189	-0.031857	-0.028192	0.05822
158	-0.016657	-0.016634	-0.001518	-0.066868	-0.027944	-0.015791	-0.009312	0.01967	0.071387	-0.017988	0.015349	-0.032161	0.034829	-0.109756
159	-0.0266	-0.030664	-0.00314	0.041703	0.066858	-0.026581	0.007657	0.02885	-0.018715	-0.031319	-0.043484	-0.036038	0.003549	0.046828
160	-0.048328	0.03638	-0.005314	-0.049943	-0.039627	0.008321	-0.00189	-0.023829	-0.011605	-0.034709	-0.052054	-0.064052	-0.004035	0.009507
161	-0.071146	-0.145513	-0.050142	-0.034787	-0.060353	0.028392	0.015891	-0.008444	0.041208	-0.024349	0.033839	0.012291	0.019964	0.026623
162	-0.134685	0.03127	-0.032919	-0.058276	0.025156	-0.02501	-0.019244	0.022181	-0.027023	0.012427	0.033635	0.031962	0.013297	-0.094555
163	0.01722	-0.066339	-0.007576	0.053568	0.000548	-0.016284	0.010838	0.018844	-0.037434	-0.002219	0.043153	-0.02687	-0.033655	-0.008805
164	0.052431	-0.033592	0.027363	0.014682	-0.039156	-0.013844	0.009961	-0.009684	-0.057682	0.051038	-0.039065	0.024366	-0.00766	-0.03231

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
165	0.16214	0.002244	0.008623	-0.010086	0.030393	0.017164	0.00715	-0.037594	-0.011916	-0.068468	0.036384	0.017091	-0.029866	-0.010265
166	0.025861	-0.034419	0.010397	-0.041581	0.009042	0.059478	-0.005981	0.028202	-0.029691	0.039546	-0.003991	-0.04655	-0.000448	-0.055674
167	0.009525	0.041228	0.057418	0.06299	-0.117447	0.02474	-0.00788	0.002562	-0.002417	-0.055342	0.024809	-0.039894	-0.011896	-0.066504
168	0.046678	-0.01776	-0.032274	0.016183	0.046668	-0.034253	0.029683	0.042992	0.008313	0.021941	0.03527	-0.00559	-0.010653	0.015617
169	0.021981	-0.040527	0.019919	0.007792	0.01304	-0.008704	-0.021237	0.041007	-0.004271	0.010982	0.024606	-0.018767	0.008169	-0.006644
170	0.03415	0.046173	0.012355	0.01963	-0.036805	-0.004383	-0.036752	0.049201	-0.003864	0.016844	0.037012	-0.013817	-0.018815	0.024783
171	0.014251	-0.005823	0.015171	0.027095	-0.017519	-0.027343	-0.002994	0.056746	-0.002298	0.031233	-0.009262	-0.005571	-0.012862	-0.008642
172	0.022473	-0.040732	0.02492	0.01041	-0.001954	-0.022765	0.019879	-0.034383	-0.020632	-0.004052	-0.001015	-0.030049	0.048618	-0.031143
173	0.050422	0.006637	0.004055	-0.028884	0.043559	-0.005097	0.014985	-0.030918	-0.02523	-0.008255	0.020106	-0.012582	0.046605	-0.032896
174	-0.041996	-0.059607	0.004552	0.043047	-0.079152	0.020207	0.014188	-0.023519	0.021415	0.009743	0.030916	-0.04424	0.041789	0.069653
175	-0.040107	0.028882	-0.038537	-0.000975	0.090293	0.026385	0.027935	0.003381	0.030836	-0.009583	-0.005421	0.00277	0.018121	0.018491
176	0.029762	-0.029489	0.000984	0.030836	0.048748	-0.016255	0.003673	-0.02088	-0.00645	0.038053	-0.001713	-0.032772	-0.069481	-0.021578
177	-0.008898	0.054516	-0.066346	-0.036452	-0.073255	0.031459	-0.002983	0.000939	-0.001037	0.000033	0.042227	-0.033774	-0.051115	0.015309
178	-0.049063	-0.022825	0.009183	0.008081	0.060886	-0.041114	-0.053082	0.015281	-0.027733	0.002587	-0.004909	-0.033646	-0.030396	0.028167
179	-0.035541	-0.021027	0.01612	0.04182	-0.028975	-0.039812	-0.044776	0.02178	0.003032	0.006614	-0.001436	0.00567	-0.032813	0.01399
180	-0.087331	-0.012008	0.013076	-0.064992	-0.012759	-0.026094	-0.061116	0.016427	-0.006683	0.008603	0.00522	-0.006782	0.004383	0.010423
181	-0.054115	0.036543	0.012873	-0.004643	0.014978	-0.024509	-0.067522	0.019647	-0.000117	-0.000885	-0.001864	-0.003585	-0.008381	0.003588
182	-0.006136	0.094159	-0.016484	-0.010212	0.036778	-0.061115	-0.040308	0.012964	0.007136	-0.006672	0.029825	0.024512	-0.01851	-0.000497
183	0.081658	0.100657	0.009585	-0.005012	-0.031187	-0.086487	-0.002578	0.006029	-0.00276	0.021205	-0.019018	0.030876	-0.063414	-0.017124
184	0.11691	-0.000135	-0.011314	-0.073541	-0.040728	-0.076651	0.005246	-0.027015	-0.043068	0.043781	0.037953	0.010793	-0.007914	-0.048469
185	-0.043259	-0.012174	0.028275	-0.036551	0.005981	-0.000261	0.005624	-0.045909	-0.067214	0.007466	0.037004	0.003914	0.080297	0.056065
186	0.056155	-0.067058	0.013853	-0.01228	-0.030307	-0.024895	0.017701	-0.040683	-0.062314	0.004748	0.032323	0.007559	0.044371	0.019489
187	0.040446	-0.066299	0.020632	-0.073264	0.031284	-0.016375	0.007209	-0.092307	-0.023576	-0.022346	0.008639	0.022102	0.037416	-0.016169
188	0.031665	-0.012011	0.019928	-0.025019	-0.007897	-0.018779	0.012845	-0.102381	-0.008132	-0.00078	0.029324	-0.019251	0.015128	-0.0019
189	0.060909	0.022062	0.005586	0.070596	-0.006252	-0.039831	-0.004645	-0.065841	-0.001719	0.00358	-0.020245	0.009109	-0.009205	-0.015209
190	-0.035323	0.029008	0.022536	-0.021967	-0.026714	-0.010532	-0.034211	0.034301	-0.015829	-0.025089	-0.020788	0.015699	0.005445	0.007953
191	-0.102436	-0.069146	0.031873	0.041395	-0.037547	0.002659	-0.030368	-0.001988	-0.006668	-0.07315	-0.034705	0.012303	0.037979	0.054697
192	0.060829	-0.062362	-0.02078	-0.013375	0.006551	-0.020452	0.017265	-0.007024	0.061464	0.000405	-0.009269	0.023698	-0.018372	0.0568
193	-0.000386	0.036298	0.010333	0.030832	0.030555	-0.021199	0.022034	-0.031687	-0.0379	0.037703	-0.012867	0.024279	-0.033809	0.015092
194	-0.015861	0.010866	-0.003152	-0.058671	-0.058242	0.025069	0.001502	-0.078688	-0.025621	0.027218	-0.024573	0.0027	-0.061992	-0.013591
195	0.009429	0.03258	0.006099	0.069581	-0.002063	0.055824	-0.000325	0.019452	0.01723	0.016782	-0.015069	0.013789	-0.019556	-0.017057
196	0.008541	-0.010035	0.002411	-0.027928	0.061482	-0.000099	-0.030632	0.013627	0.024219	0.001752	0.010779	-0.006269	0.014107	-0.032159
197	0.081511	-0.031401	0.019317	0.005047	-0.03202	-0.026699	-0.01516	0.027246	-0.013353	-0.060335	0.017029	0.041896	0.013844	0.014982
198	0.062946	0.0572	-0.019925	-0.050017	0.038059	-0.003428	0.009162	0.018211	-0.026546	0.001528	-0.030964	-0.031511	-0.0119	0.017915
199	-0.023009	-0.026852	-0.009324	0.000765	-0.056461	0.008619	0.001619	0.020953	-0.038922	-0.020522	-0.042375	-0.026941	-0.015925	0.027619
200	-0.014635	-0.009144	0.014878	-0.013842	0.005467	-0.007206	0.021523	0.019854	0.019777	0.024659	-0.092749	0.006041	0.007226	-0.04172
201	0.028857	0.029176	-0.025494	-0.039951	-0.103495	-0.00042	-0.024465	-0.019281	0.049603	0.028069	-0.017874	0.067638	-0.04763	0.002319
202	0.026932	0.044691	0.022305	0.128266	-0.034001	-0.000917	0.014497	0.004341	0.017174	-0.015399	-0.065837	-0.0305	-0.030211	0.032075
203	-0.041545	0.049697	-0.04481	-0.154787	-0.098938	-0.014161	0.022027	0.012075	-0.00059	0.008897	-0.042884	-0.044418	-0.011807	0.104247
204	0.003913	-0.02847	0.035214	-0.008386	0.043581	-0.027174	-0.012412	0.011345	0.001618	-0.030083	0.016041	0.046563	0.10015	-0.020232
205	0.048895	-0.031002	-0.02653	-0.042194	-0.056423	0.00807	0.021555	-0.030061	0.026253	-0.005091	0.001987	-0.035555	0.033611	0.012619

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
206	-0.059304	0.001141	-0.018068	-0.033734	-0.063346	-0.006704	-0.003734	0.040273	-0.055142	-0.005991	-0.033377	0.037322	0.044505	-0.016656
207	-0.042521	0.069667	0.013887	0.061158	0.046727	-0.001054	0.012097	0.043119	-0.012464	0.025898	0.034126	-0.043285	0.046933	-0.002429
208	0.021226	-0.038835	-0.003108	0.057008	0.042973	0.026172	0.026855	-0.018031	-0.057281	0.010144	0.054668	0.028267	0.094579	0.036581
209	-0.025727	0.008591	0.042513	0.071106	-0.019761	0.010327	0.032312	0.000088	-0.017826	0.051566	-0.024879	-0.033017	0.047525	0.027526
210	-0.093868	0.003548	0.002239	-0.002495	-0.020738	0.022878	0.003813	0.001715	-0.017785	-0.049791	-0.069895	0.018255	-0.000344	0.026461
211	0.034015	-0.062651	-0.008325	-0.022504	-0.031079	-0.006401	-0.00303	0.001671	0.011406	-0.002943	0.028109	0.027543	0.011644	-0.014535
212	0.081676	0.051514	0.052551	-0.073102	-0.092873	0.001457	0.004265	-0.003049	-0.042217	-0.076053	-0.009103	0.017867	0.029032	-0.011238
213	0.028728	-0.02409	-0.01253	-0.032418	-0.084699	-0.017581	-0.025981	-0.014479	0.014975	0.003646	0.015781	-0.000097	-0.021065	-0.049283
214	-0.047324	-0.037217	-0.007042	-0.054178	0.047268	-0.058328	-0.047719	0.022325	-0.009693	0.008448	-0.006497	-0.005343	-0.020564	-0.015006
215	0.045148	0.056358	0.005782	-0.070611	0.058409	-0.009046	-0.034929	0.011664	-0.006535	-0.018633	-0.024288	-0.007759	-0.027745	0.010874
216	0.012492	-0.045241	-0.018126	0.01147	0.02763	-0.007087	0.008516	0.014734	0.010232	-0.013276	0.00021	-0.043863	-0.022387	-0.014573
217	-0.052532	0.021394	0.016961	0.014676	-0.012995	-0.02967	0.02842	0.009943	0.060568	-0.016944	0.004142	-0.021531	-0.011271	0.00864
218	0.031887	0.028801	-0.008596	-0.036274	0.02965	0.004809	-0.004569	0.010548	-0.01249	0.024548	0.00541	-0.019981	-0.018095	-0.014227
219	0.006908	0.00978	-0.004212	-0.014802	0.023146	0.012772	-0.005618	0.019875	-0.002968	0.021067	-0.009138	-0.039216	-0.016626	-0.028713
220	-0.049078	-0.028975	0.005624	-0.026527	-0.081845	-0.033247	0.00701	0.016301	0.014205	-0.00027	0.020184	0.008077	0.007942	-0.010378
221	0.021562	0.069717	0.02043	0.01406	0.025707	0.005528	-0.001072	0.024865	0.022796	-0.013407	-0.013718	-0.024405	-0.020611	-0.021123
222	0.01163	0.060266	0.014312	-0.009289	0.029633	-0.012145	-0.001875	0.009829	0.006253	-0.003952	-0.003334	-0.041346	-0.005641	-0.004451
223	-0.056614	0.065182	0.007694	0.0183	0.021512	0.003839	-0.01104	0.003884	-0.029459	-0.002565	-0.017782	-0.038637	-0.036808	-0.037343
224	-0.054668	-0.047058	0.004926	0.058441	0.032371	0.027014	0.001868	-0.000777	0.029591	-0.025599	-0.034782	-0.014339	0.002474	0.018468
225	-0.021447	0.061978	-0.018926	-0.041425	0.056633	0.042536	0.000206	0.012379	-0.009597	-0.022721	-0.030592	-0.013846	0.023136	0.031715
226	0.052554	0.053574	0.002523	-0.026189	-0.005872	0.003137	0.011855	-0.007295	0.003625	0.029214	-0.021266	0.008499	0.03479	0.001928
227	-0.052857	0.037038	0.030165	-0.005016	-0.021586	0.023709	0.013125	-0.013128	-0.012732	-0.02878	-0.011886	0.023109	-0.011049	-0.003113
228	0.088842	-0.021636	0.027275	0.034505	-0.011369	0.024324	0.007327	0.012527	0.037753	0.04005	0.005648	0.025556	0.00154	0.04151
229	-0.080661	0.047036	-0.013417	-0.069301	-0.024707	0.022788	-0.024312	0.007078	-0.030216	0.013061	0.020503	0.027487	-0.010582	0.01881
230	0.076006	0.025692	0.022821	0.065308	-0.016279	0.013492	-0.013743	-0.031545	-0.0082	-0.007986	0.030549	-0.011496	-0.018792	-0.000098
231	0.080996	0.025447	0.009505	-0.019465	-0.028744	-0.006001	0.004235	0.000854	-0.012197	0.002789	0.05984	0.014054	0.020021	-0.067362
232	-0.075396	0.085934	0.062147	0.011261	-0.039485	-0.006863	-0.012541	0.001285	0.00434	-0.003773	-0.030726	-0.006302	-0.010814	-0.023684
233	0.089109	-0.081331	0.0462	0.027885	-0.03467	0.005563	0.015081	-0.03168	-0.007544	-0.021985	-0.056101	-0.00129	-0.008348	0.005949
234	0.019369	-0.059739	-0.041602	-0.036766	-0.045391	0.010356	0.004261	0.009719	-0.028871	-0.001238	-0.020278	0.00804	0.011579	-0.010494
235	-0.03086	-0.017298	0.006305	0.013369	0.083158	0.010911	0.007163	-0.00327	-0.041899	-0.010946	0.019457	-0.007323	-0.010795	0.005264
236	0.010111	-0.038833	0.01783	0.039915	0.012771	-0.006863	0.00598	-0.050774	-0.039719	0.038096	-0.012824	0.010675	-0.003068	-0.039603
237	0.018796	0.007986	-0.015755	-0.048461	0.039997	-0.008335	-0.03127	0.008555	0.004226	0.008829	-0.015404	0.046277	0.025219	-0.025509
238	-0.02668	0.034711	-0.022609	0.006522	-0.000354	0.029737	-0.019741	-0.009285	0.007573	-0.016817	-0.019365	0.029501	-0.002445	-0.030337
239	-0.003151	0.002327	-0.014498	-0.025479	-0.019653	0.026093	0.012593	-0.017128	0.009663	0.00718	0.013563	-0.02657	-0.003766	0.020223
240	-0.026189	0.000028	-0.003108	0.070549	-0.025761	0.021692	0.016311	0.018902	0.035309	-0.026542	-0.030828	-0.032582	0.014197	0.014304
241	0.009769	-0.08846	0.004691	0.095059	0.016873	0.023033	0.011726	0.006781	0.03695	-0.002758	-0.019421	-0.024779	-0.014997	0.022281
242	-0.038178	0.020419	0.002152	-0.029717	0.020125	-0.017183	0.006384	-0.018986	-0.04463	0.010243	-0.046481	0.008855	0.01311	-0.002689
243	0.045641	-0.024966	0.016558	0.050065	-0.037932	-0.007261	-0.006644	-0.003295	-0.018303	-0.019716	0.022248	0.00336	-0.007191	0.012556
244	0.020785	0.030374	0.003941	-0.062334	-0.053431	0.006308	0.002124	0.008094	-0.006908	-0.005283	-0.012102	-0.01549	-0.015487	0.014222
245	-0.002461	0.084994	0.015138	0.035293	-0.005412	-0.000581	0.015687	-0.049551	-0.004809	-0.025917	0.032202	-0.060391	-0.044896	-0.01
246	-0.06193	0.004488	-0.023016	-0.058567	0.07899	-0.018077	0.006009	-0.021227	-0.017375	-0.027442	-0.017925	0.018737	0.014473	0.015876

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
247	0.032542	-0.027824	-0.005415	-0.013395	0.024114	-0.000441	-0.00217	-0.020424	-0.004775	0.007441	-0.001144	0.004163	-0.012202	-0.011773
248	0.06101	0.106588	0.027466	0.045029	-0.019244	0.007074	-0.013269	0.005997	-0.012785	0.002977	0.027357	0.027913	-0.021987	-0.044228
249	0.032299	0.030334	-0.022859	-0.074172	-0.00279	-0.012456	0.002015	0.009577	0.01406	0.02028	0.046681	-0.026285	-0.009494	-0.024685
250	-0.020292	-0.052362	-0.047431	-0.030685	0.040677	0.00926	0.008715	0.020582	0.043142	-0.002779	-0.00887	0.013865	-0.002911	-0.024951
251	-0.024851	0.062708	0.001027	0.049377	0.014823	0.01605	-0.001831	0.012017	-0.007014	-0.019274	-0.041438	0.003534	0.043394	0.033973
252	0.000776	0.027631	-0.008669	-0.010974	-0.011218	-0.020462	-0.004077	-0.008429	0.004193	0.012622	-0.000477	-0.005997	0.028029	0.029063
253	-0.057191	-0.06211	0.026423	-0.009647	-0.012696	-0.00867	-0.011759	0.001787	0.015234	0.014228	-0.011764	0.000324	-0.005705	-0.027603
254	-0.068109	0.018893	-0.01514	-0.017685	-0.009625	0.021492	-0.002063	0.004039	-0.045966	-0.012219	0.001666	-0.010216	-0.009535	0.016274
255	0.044706	0.005304	0.008334	0.035001	-0.0092	0.007024	-0.002617	0.013241	-0.002481	-0.034991	-0.011835	0.023249	-0.006899	0.024217
256	-0.023959	-0.036503	-0.007608	-0.048533	0.013114	0.004472	-0.002313	0.023616	0.07252	-0.024553	0.057906	0.000265	-0.03899	-0.001742
257	0.002163	-0.048944	0.009244	0.047203	0.021449	-0.001807	-0.004167	0.004849	0.014977	0.004473	0.019164	0.021248	-0.023202	-0.015033
258	-0.001924	0.003437	0.025355	0.095612	0.016198	0.028372	-0.008838	0.014741	0.002762	0.013438	0.01379	-0.000059	0.006019	0.014093
259	0.066348	0.033238	-0.005182	-0.000907	0.00684	-0.004287	-0.001734	-0.010072	-0.001234	0.020679	0.00257	-0.0121	0.023372	0.003322
260	0.057648	-0.04091	-0.024007	-0.024054	0.004951	-0.013254	-0.021946	0.007392	0.004909	0.062436	0.022697	-0.01492	0.061465	0.005308
261	-0.008158	0.079121	-0.009303	0.014431	-0.020125	0.005309	-0.012096	0.026389	0.008937	0.01388	-0.006375	0.010824	0.054502	0.011693
262	-0.041453	0.017348	-0.013622	-0.10972	0.036944	-0.030597	-0.0123	0.020677	0.011941	0.010894	-0.000385	-0.010338	-0.000136	-0.007995
263	-0.025812	0.043245	-0.003958	-0.020508	0.016581	-0.048576	-0.008087	-0.014413	0.001653	-0.006426	-0.008571	-0.004076	-0.015454	-0.01534
264	0.023594	-0.054586	0.015927	0.025188	0.045311	-0.024973	0.012596	0.00927	0.039515	-0.015777	0.008941	-0.009053	-0.00522	-0.030722
265	-0.033075	-0.060729	-0.021047	-0.028268	-0.027329	0.014173	0.020693	0.031212	0.023185	-0.004613	0.017625	-0.002178	-0.016487	0.005751
266	0.008855	-0.070893	-0.02854	0.00689	0.013604	0.014684	0.01325	0.024997	-0.006664	-0.016238	0.037723	0.023235	0.006502	-0.007873
267	-0.129961	0.025816	-0.035001	-0.015437	-0.055938	0.003419	-0.004618	0.047318	0.027368	0.038795	-0.011638	0.012567	0.032165	-0.033149
268	0.05153	-0.030759	-0.011563	-0.04506	0.012403	-0.003294	0.02068	-0.002694	0.007488	0.016441	-0.030234	-0.010595	0.009261	0.009875
269	0.007481	-0.00511	-0.006744	-0.018126	0.01631	-0.001379	0.002858	0.009241	-0.009489	0.005891	-0.012774	0.008042	0.017712	-0.015248
270	-0.003682	0.028543	0.014364	0.049194	-0.031688	0.000927	0.010628	0.015113	-0.008701	0.005553	0.000635	0.005354	0.021144	0.005816
271	-0.063521	-0.017791	-0.024394	0.019506	0.035273	-0.035587	0.019842	-0.015896	-0.009855	-0.012443	-0.004134	0.032389	-0.036716	0.011647
272	-0.060478	0.033952	0.003601	0.078185	-0.010074	0.032317	-0.014079	0.019617	0.013025	0.033463	-0.00093	0.026067	-0.007109	0.005648
273	0.066406	-0.013863	0.029578	0.053166	-0.022032	0.011637	-0.002128	0.003507	0.015047	0.022426	0.016586	-0.016202	-0.009815	0.027881
274	0.037471	-0.029039	0.029057	0.063128	-0.023347	0.012402	-0.007956	0.004273	0.012549	0.018579	0.023111	-0.009418	-0.003996	0.024606
275	-0.015	0.038507	0.020885	0.066245	0.032752	0.00695	-0.000912	-0.008739	-0.024879	-0.010142	0.043863	-0.012178	-0.004036	-0.026423
276	-0.058863	-0.077265	-0.015226	-0.06201	0.028889	0.006015	-0.000296	-0.035209	-0.047712	0.050775	-0.012808	-0.003364	0.011111	-0.027114
277	0.018909	-0.018847	0.004494	0.058086	0.017448	0.005935	-0.003329	-0.017034	-0.016024	0.021282	0.001564	-0.009081	-0.008428	0.017058
278	0.01207	0.001768	0.000445	-0.012856	0.001335	-0.001865	-0.003931	0.002264	-0.031041	0.009597	0.022788	-0.003317	0.021442	0.010258
279	-0.036568	0.006633	-0.01924	0.000403	-0.033991	0.029537	0.007628	0.01304	0.012464	0.015457	-0.000314	-0.01322	0.015445	0.010038
280	0.136004	-0.025942	0.039372	0.052162	0.053827	-0.004888	-0.001091	0.024619	0.015228	-0.025731	0.017354	-0.013355	-0.033536	-0.030854
281	0.052746	0.056491	-0.0049	0.02502	-0.022144	-0.030929	0.009111	-0.027267	-0.030524	-0.026207	0.01532	-0.012671	0.003191	0.028378
282	-0.012827	0.003282	-0.005737	0.00891	-0.005427	-0.032222	0.013149	-0.014184	-0.055256	-0.038868	0.042259	-0.012008	0.015621	0.038448
283	-0.043655	-0.012526	0.009523	0.009683	-0.019573	-0.011675	-0.00105	0.00923	-0.013755	0.015318	0.026032	0.000592	0.023055	-0.002827
284	-0.03161	-0.084451	0.001173	-0.026673	0.016849	-0.008177	0.000369	0.013821	0.009956	0.013005	0.008732	0.011372	0.004591	-0.02024
285	-0.048967	-0.097514	-0.002124	-0.094822	0.009554	-0.015873	-0.005181	0.000115	0.005659	0.00856	0.007478	0.002475	0.014478	0.011748
286	-0.012758	0.009535	-0.016589	-0.144049	0.010753	0.003952	-0.013276	0.026071	-0.012263	-0.004056	0.013564	-0.00016	0.0197	-0.002909
287	-0.035748	0.030527	0.015619	0.017584	-0.030486	-0.003521	-0.011561	0.016393	-0.021791	-0.018333	0.030763	-0.002809	0.020255	0.017835

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
288	-0.01538	-0.037117	-0.002808	-0.005777	-0.003203	0.001609	-0.006491	0.00808	-0.010886	0.008887	-0.017967	0.027346	0.07164	0.034944
289	-0.037358	0.001967	-0.03263	-0.050455	0.049891	-0.005811	0.009858	0.02845	-0.020051	0.004084	-0.008593	-0.008348	-0.0035	0.033215
290	0.03334	0.046815	-0.056399	0.050594	-0.036692	-0.007443	0.032586	-0.014101	-0.013495	0.011257	-0.007675	0.018306	0.011662	0.002122
291	0.01736	0.049024	-0.066691	0.018655	-0.024768	-0.006482	0.03443	-0.008887	-0.011831	0.009485	-0.003115	0.019603	0.020933	-0.005919
292	-0.050076	0.062744	-0.05658	0.050607	0.081264	0.007635	0.028366	-0.006946	-0.007426	-0.011183	-0.03168	0.01638	0.009488	-0.012656
293	0.001934	-0.016905	-0.011251	-0.050645	0.03333	0.005476	0.027409	-0.022583	0.022154	-0.058418	-0.061147	-0.002358	0.019778	-0.017203
294	0.031143	-0.041334	0.001497	-0.028758	0.023446	0.002611	0.023848	-0.000276	-0.006006	0.002522	0.006429	-0.046147	0.022076	-0.004831
295	0.019499	-0.010882	-0.000974	-0.080106	0.02267	0.00702	0.010887	0.011879	0.010121	-0.031398	0.054327	-0.023903	-0.023435	-0.005398
296	-0.059876	0.072886	0.006464	-0.034442	0.006421	0.010891	-0.000804	-0.000673	0.017008	-0.013062	0.039514	-0.041563	0.018713	0.018546
297	-0.021375	-0.045806	-0.019014	-0.020891	0.039522	-0.01032	-0.001864	0.007785	-0.012791	-0.019439	0.050208	-0.05247	-0.017684	-0.009317
298	-0.035923	0.055369	-0.020874	0.081651	-0.013422	-0.051328	-0.031635	0.013524	-0.065628	-0.023727	-0.009443	-0.03837	-0.016256	-0.064968
299	0.039642	-0.082545	0.013634	0.04327	0.002593	0.001164	-0.002624	-0.009127	-0.023329	-0.024472	0.032248	-0.027676	-0.000356	-0.001425
300	-0.018888	-0.051598	0.043677	-0.001754	-0.023438	-0.054057	-0.058183	0.02743	-0.070298	-0.011834	0.032117	-0.042122	-0.050686	-0.011933
301	0.034307	-0.021365	0.000467	-0.007346	0.009724	-0.013584	0.012977	0.009627	-0.003843	-0.011955	0.011848	-0.009884	-0.020932	-0.002769
302	0.046485	0.011288	0.006536	-0.019731	0.081432	0.002167	0.001877	0.028158	0.016241	-0.005065	0.05896	-0.016733	-0.032226	-0.010074
303	-0.000215	-0.034771	0.004707	-0.050605	0.004696	0.021109	0.003929	-0.005709	-0.027396	-0.003396	0.021378	-0.052672	0.006702	-0.018111
304	0.029397	0.034357	0.033523	0.002238	0.001981	0.018546	-0.007144	-0.011383	-0.005344	0.002267	-0.004985	-0.016269	0.011141	-0.004149
305	-0.090787	0.049456	0.017552	0.108975	0.020288	-0.026276	0.039587	-0.058215	-0.002367	-0.069278	-0.001002	-0.024306	0.002269	0.02868
306	-0.017977	0.019001	0.006642	0.087337	-0.030652	0.005032	0.00659	0.04302	0.040469	0.041822	-0.013474	0.000715	-0.027437	-0.018528
307	-0.05981	-0.065128	-0.022446	-0.007019	0.002211	0.037715	0.004808	0.008388	-0.015546	0.012255	-0.034399	-0.014214	-0.064944	-0.044607
308	0.003516	-0.028245	0.024481	0.065084	-0.008911	-0.016709	-0.027773	-0.017826	0.021833	0.012778	-0.045075	0.017158	0.014102	0.003861
309	0.011674	0.030377	-0.010964	0.017877	0.002877	-0.018616	-0.011947	-0.016763	-0.023036	0.012688	0.019138	0.020309	-0.000498	-0.012502
310	-0.033624	-0.005765	-0.006711	-0.031488	-0.043288	-0.020542	0.005357	-0.024596	-0.000116	0.030129	0.012334	0.000064	-0.008063	-0.021718
311	0.028678	0.071816	-0.008156	-0.050482	-0.028317	0.005097	0.015105	0.00318	-0.010558	0.006405	-0.035281	-0.016486	0.000236	0.043506
312	0.018822	0.002057	0.003248	0.024179	-0.009375	0.007775	-0.021676	-0.025039	-0.012918	-0.004563	0.012236	-0.082225	-0.002091	0.003074
313	0.034221	0.044232	0.002858	0.061719	-0.020949	-0.000642	-0.010698	-0.001655	-0.002521	0.014132	0.002641	0.028213	-0.047469	-0.007227
314	-0.083119	0.017154	-0.025462	0.022229	-0.002856	-0.023927	0.026529	-0.04955	-0.026838	-0.009448	0.041931	-0.051485	0.004911	-0.034824
315	-0.017327	0.011209	-0.00916	0.034428	-0.0309	-0.003017	-0.016351	-0.008229	-0.011575	-0.019969	0.023258	0.011301	-0.034509	0.029643
316	-0.000199	-0.138491	-0.026127	-0.043598	-0.055068	0.025755	-0.01277	0.009888	0.006512	0.034301	0.047757	-0.013274	0.044356	-0.062425
317	-0.04009	0.050895	-0.003285	0.039749	-0.07152	-0.012439	-0.002352	-0.022868	-0.011821	0.000281	0.026505	0.006289	-0.031139	0.023954
318	-0.040722	0.082299	0.039708	0.027808	0.003711	0.008261	-0.007356	-0.030091	-0.007872	0.019233	-0.083125	-0.002952	-0.009332	0.043602
319	-0.039734	0.001708	-0.011864	-0.020335	0.059498	-0.004022	-0.016949	-0.008089	-0.022975	-0.011236	0.026239	-0.001145	-0.014285	-0.002832
320	-0.069076	-0.034761	0.00316	0.065246	0.014972	0.037447	0.00811	-0.005638	0.023754	-0.016514	0.013173	-0.009033	0.016581	0.055834
321	0.019455	-0.11794	-0.009733	0.051654	0.003223	0.007186	0.017306	0.032363	0.013763	0.045943	-0.009375	0.01107	-0.026725	0.035777
322	0.084988	0.004799	0.015573	0.007857	-0.054614	-0.016041	0.003799	-0.03028	0.002027	0.011947	-0.06225	0.028657	0.030159	0.03807
323	0.11907	0.026568	-0.031945	0.018796	0.072726	-0.006911	0.00699	0.067773	0.018559	-0.001385	-0.026691	0.019068	-0.030661	-0.066379
324	-0.004793	-0.05432	-0.043741	-0.091273	-0.06467	0.002256	0.017984	0.02007	-0.028112	0.043184	-0.017269	-0.020714	0.051257	0.003687
325	0.04313	0.016471	-0.022437	-0.040811	-0.002593	-0.003425	0.001149	0.003728	0.006692	0.056985	0.025983	0.021539	0.015281	-0.01832
326	0.02781	0.023501	0.026737	0.121725	0.004135	0.014003	0.004504	-0.017222	0.04698	0.004347	0.049927	-0.022245	-0.026588	-0.006336
327	-0.055628	0.025552	0.022035	0.040758	0.000918	0.00207	-0.011099	-0.014754	-0.007282	-0.019252	-0.033621	0.018743	0.042034	0.020461
328	0.105992	-0.013634	-0.004362	-0.081922	0.009205	-0.035024	-0.011616	-0.044895	0.064944	-0.013525	0.037024	-0.033801	-0.002236	0.041357

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
329	0.044965	-0.030798	0.005899	-0.009087	0.039945	-0.01147	-0.003694	-0.022452	-0.010379	0.011834	0.023521	0.008374	0.003478	0.003759
330	-0.024466	-0.002356	-0.018155	-0.049485	-0.032348	-0.027583	0.008796	0.001198	0.071998	-0.011838	0.008888	-0.00774	-0.012051	0.001918
331	-0.009209	-0.046008	-0.026109	-0.052684	0.075372	-0.00113	0.004681	0.016041	-0.002742	0.001387	-0.012262	-0.002725	0.02149	-0.02791
332	-0.087833	-0.014457	0.034978	0.05994	-0.036562	0.014111	0.009211	-0.004233	-0.011065	0.019013	0.03421	-0.014022	0.016206	0.029545
333	0.03356	0.005222	-0.016651	-0.012628	0.022418	0.000373	0.006413	0.009588	-0.00939	0.016675	0.009059	0.017916	0.015376	0.001875
334	0.023052	-0.077045	-0.013237	-0.079203	-0.027404	-0.023762	-0.020252	-0.015568	-0.008916	-0.025696	0.045401	0.011081	-0.026992	0.015553
335	0.07885	-0.08003	0.016266	-0.012674	0.038091	0.017045	-0.0101	0.001529	-0.007294	0.016272	-0.01563	0.010811	0.027453	-0.027862
336	-0.00466	0.025491	0.026309	0.012981	-0.020481	-0.008207	-0.020841	0.027835	0.011181	0.009757	-0.009702	-0.015203	0.013927	0.039049
337	-0.056623	0.02759	-0.038038	-0.046592	-0.031129	0.019046	0.00611	0.025499	0.000537	-0.023042	-0.024872	-0.010168	-0.008032	0.046042
338	0.029019	0.012065	0.009733	-0.066314	-0.01173	0.018086	0.002242	-0.030243	-0.021468	-0.022459	-0.059767	-0.000677	-0.005303	-0.016573
339	-0.003926	0.177326	-0.027991	-0.14706	-0.014421	0.028419	0.018893	0.014914	0.036301	0.06295	-0.006038	-0.042827	-0.043898	0.033194
340	-0.041204	-0.084619	0.015411	0.003572	0.064411	0.003462	-0.013856	-0.029173	0.013188	-0.019565	-0.0252	0.030957	0.051	-0.070689

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
1	-0.064544	-0.088857	-0.025433	-0.022942	-0.007185	0.066906	0.126224	0.056396	0.082058	0.173335	0.061851	0.05162	-0.02876	-0.019779
2	-0.013115	0.103368	0.012368	-0.01299	-0.158235	-0.140226	0.015196	-0.112743	0.113431	0.010051	-0.043622	0.064816	0.095508	-0.03772
3	0.092127	0.037115	-0.015949	-0.141453	-0.019367	0.012982	-0.101564	-0.002555	-0.09426	-0.034334	-0.086574	-0.026933	-0.029022	-0.016234
4	0.041338	-0.005658	0.05445	0.127266	-0.001766	0.026672	0.040711	0.036685	0.023221	-0.118783	0.015214	-0.005987	-0.082732	-0.01113
5	0.099561	0.064475	0.023048	0.035779	0.064482	0.001342	-0.115286	0.06611	0.01064	0.101171	0.000835	-0.027273	-0.007979	0.018656
6	0.000161	0.052132	0.046341	-0.133087	0.038742	0.036386	0.01385	-0.036469	0.036983	0.063855	0.046192	0.008348	0.018258	-0.005204
7	0.018001	0.079453	-0.09553	0.054273	-0.046181	-0.066227	0.030759	0.107594	-0.040011	0.015477	-0.078781	-0.032981	-0.060003	0.032417
8	0.043197	-0.010247	0.039629	0.011513	0.00394	-0.014946	0.048673	0.053132	0.062277	-0.017755	-0.065957	0.028467	0.038754	-0.067184
9	-0.14057	0.000381	-0.035686	0.002698	-0.012776	-0.108515	-0.010093	0.018473	0.008902	0.017218	-0.013363	-0.003908	0.081567	0.079988
10	0.017297	0.094608	-0.000945	0.115335	0.066584	-0.063824	0.150896	0.017172	-0.026862	0.065866	0.103502	-0.017659	-0.022975	-0.019799
11	0.098663	0.034121	-0.022393	0.01585	0.053314	0.053853	0.019321	0.060507	-0.024749	-0.031951	-0.026877	-0.032043	0.008202	-0.044937
12	-0.024111	0.001982	-0.03792	0.029035	0.053592	-0.031112	-0.025236	0.01025	0.020821	0.044925	0.036485	-0.001895	0.03868	0.02009
13	0.101617	-0.079476	-0.094414	-0.036932	-0.015002	0.104086	-0.0816	-0.174303	0.022022	0.111488	0.063137	0.020904	0.046693	-0.009817
14	-0.04146	0.03389	0.075644	0.086887	-0.029864	-0.012696	0.084232	0.157318	-0.05153	-0.077482	0.04532	-0.044785	-0.011446	-0.016468
15	-0.033307	-0.000654	-0.117592	0.033694	-0.098052	-0.043861	-0.01645	-0.139907	0.079685	-0.003339	0.02216	0.034109	-0.005474	0.033441
16	0.049544	0.041962	0.10026	-0.05321	0.019814	-0.029628	0.000462	0.033443	0.010185	0.070931	-0.028144	0.035937	0.002617	-0.006955
17	-0.118141	0.007553	0.035675	0.032657	-0.015255	-0.108805	0.015592	0.034614	0.000931	-0.087366	-0.089481	-0.002224	-0.00888	-0.064173
18	-0.156865	0.062241	0.021966	0.027965	0.014091	0.02193	-0.095517	-0.016269	0.004694	-0.000304	-0.011488	0.026054	-0.015895	0.033697
19	-0.002585	0.012752	-0.040126	-0.006565	-0.005747	-0.114171	-0.06362	0.005574	0.008587	0.075814	-0.002742	0.016708	-0.002771	0.105541
20	0.118028	0.073784	-0.007009	0.021461	0.086932	0.236335	0.038308	-0.00007	-0.010921	0.025308	-0.045433	-0.050395	0.01538	-0.038169
21	0.114195	0.08736	0.015454	-0.019988	-0.08838	-0.055476	-0.071864	0.068378	-0.033367	-0.099859	-0.000514	-0.072379	0.017487	-0.132298
22	0.043068	0.022857	-0.018493	-0.049345	-0.079035	0.165092	-0.157759	-0.014481	-0.032852	0.075155	0.005653	-0.002421	-0.005055	0.127766
23	0.056358	0.052828	-0.017975	0.062271	-0.058001	0.064391	0.095635	0.088478	0.039339	-0.031673	0.032257	0.028974	-0.031811	-0.015894
24	0.037095	-0.060671	0.041396	-0.084403	0.058278	-0.018263	0.047557	-0.095567	0.003661	-0.008528	-0.055416	0.030676	0.003102	-0.033954
25	0.015279	-0.115997	0.049937	0.157399	0.015718	0.014227	-0.03707	0.071819	0.054881	-0.031443	0.064186	0.047417	0.026359	-0.022469
26	-0.133545	0.146933	0.06025	0.012453	-0.062233	-0.047012	0.079218	-0.069404	0.02359	-0.006279	-0.033708	0.004658	-0.014016	-0.029355
27	0.02359	0.042313	0.00026	-0.035571	-0.11938	-0.065661	0.06362	-0.067274	0.0037	0.162169	0.026925	-0.01554	0.01671	0.000304
28	0.054549	0.011204	0.094336	-0.134049	0.159101	0.012937	-0.081528	0.033569	0.056123	0.010183	-0.029092	0.051074	0.053504	-0.063884
29	0.01012	0.059341	-0.037477	-0.016465	0.01746	0.038631	0.031413	0.033603	-0.033648	-0.008368	0.065768	-0.021429	0.023672	0.010209
30	-0.055703	0.028477	0.021973	0.050781	-0.067264	-0.127938	0.029202	-0.052999	0.082385	-0.025029	-0.036777	0.071964	0.074322	0.048501
31	0.004564	-0.000826	0.010978	0.005467	0.053954	0.013303	-0.111635	0.05865	-0.065686	-0.064517	0.058938	-0.038457	-0.048545	-0.07966
32	-0.043443	0.007424	0.000307	-0.026753	-0.055276	0.008858	0.084004	-0.012914	-0.004809	0.02627	-0.007529	0.035006	0.009855	-0.094098
33	-0.053691	-0.027715	-0.044543	0.100969	0.047206	-0.024845	-0.067596	-0.01517	0.062953	0.028062	-0.020252	0.001043	-0.02433	-0.021678
34	0.029596	-0.040929	-0.035831	0.039013	0.103722	0.003839	-0.011069	0.045885	0.044738	-0.039887	-0.071348	0.022895	0.009728	0.027147
35	-0.156917	-0.117449	-0.067103	-0.016014	-0.122431	-0.037914	0.006469	-0.061635	-0.050809	-0.080305	0.014887	-0.028699	-0.04474	-0.053146
36	0.018222	-0.050725	-0.036494	-0.112032	-0.050742	0.019174	-0.047958	0.121019	-0.019453	-0.098277	0.02473	0.033394	0.012443	-0.003765
37	-0.047344	0.107572	-0.014727	0.011651	0.0112	-0.037635	-0.022554	0.014783	0.001969	-0.013464	-0.000646	0.004032	-0.022737	0.043042
38	-0.040205	-0.015572	0.022552	-0.011684	-0.020953	-0.066456	0.063248	-0.02177	-0.068281	0.054295	0.011007	-0.111146	-0.051522	-0.031238
39	0.124218	0.00198	-0.062102	0.032564	-0.080319	-0.035808	-0.094155	-0.076703	-0.010532	0.009	0.034629	0.002718	-0.006535	0.064078
40	0.022516	-0.201059	-0.210878	-0.023504	-0.143109	0.087915	-0.059245	-0.004094	0.025162	0.084064	-0.048587	-0.005074	-0.044189	-0.005708
41	0.013156	0.078559	0.044052	0.00184	0.128246	-0.073878	0.09392	0.03791	-0.023215	-0.157402	0.085551	0.044262	0.066443	-0.041974

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
42	-0.019356	-0.011326	-0.024106	0.000155	0.01846	0.016305	0.008796	-0.008679	-0.00732	0.029632	-0.011238	-0.01441	-0.001168	0.013275
43	0.031591	0.027114	-0.031037	0.034299	0.022855	-0.128779	-0.014471	0.011284	-0.033418	0.023902	0.071265	-0.030758	0.033465	0.01937
44	0.110444	0.153575	-0.046268	0.006821	0.062161	-0.141365	-0.123258	-0.014665	-0.021984	-0.061712	0.048398	-0.086909	-0.051406	-0.022165
45	0.044803	-0.129642	0.091186	0.011423	-0.077966	0.024494	0.164053	0.112207	-0.040022	0.089622	0.025365	-0.019675	-0.062301	0.049727
46	-0.077571	0.027739	0.058855	-0.100792	0.012858	0.010444	0.003793	-0.010271	-0.060601	0.06403	-0.037656	-0.081411	-0.072401	-0.043247
47	-0.03744	-0.050132	-0.057473	0.011596	0.020325	0.021383	-0.078293	-0.085012	0.003457	-0.076697	0.014245	0.001772	-0.042307	-0.044043
48	-0.040778	-0.025488	-0.021802	-0.105086	-0.034398	-0.062516	-0.032883	-0.014373	-0.064974	0.062001	0.04993	-0.177115	-0.10128	-0.020766
49	-0.049622	-0.026037	0.052851	-0.139775	-0.083053	0.055139	-0.085621	-0.030715	-0.04399	-0.04228	-0.028125	-0.056836	0.01123	0.023159
50	0.005042	0.166758	-0.123112	0.045896	-0.147117	0.01127	0.07196	-0.071433	-0.143137	0.046267	0.055927	-0.061811	-0.041595	0.02962
51	0.092039	0.039462	0.197346	0.028234	-0.009467	-0.062462	0.071142	0.031336	0.019637	0.122095	0.085126	-0.009787	-0.028542	0.146634
52	-0.060396	0.008066	-0.059234	0.119117	-0.012033	0.158115	-0.01821	0.031811	0.03714	0.064646	-0.014543	-0.078146	0.000727	-0.035825
53	-0.07703	-0.109392	0.058951	0.031322	-0.109815	-0.010963	-0.088297	0.078254	0.047497	0.02415	-0.004712	0.037722	0.022204	-0.041981
54	-0.119871	-0.104119	-0.026458	0.048713	0.016872	0.085255	0.060343	-0.085634	0.015019	-0.106388	-0.002954	-0.023047	-0.01429	-0.019204
55	-0.039535	0.019818	-0.182279	0.020342	0.031557	-0.048927	0.152102	0.095558	0.053012	0.007785	-0.107024	0.043099	0.028201	0.066746
56	0.025181	0.102131	-0.074731	-0.014814	-0.03874	0.052693	-0.018113	-0.036059	0.054426	-0.076347	-0.074144	-0.003053	0.040022	-0.04647
57	0.010816	0.081481	-0.042137	0.048562	0.073856	-0.051825	-0.005666	-0.032669	-0.049475	-0.136047	0.000606	-0.031085	0.023586	0.042985
58	0.126056	-0.174091	0.010534	0.02069	0.017852	-0.034288	-0.016705	-0.003509	0.052807	-0.087564	-0.006668	0.093016	0.147833	-0.001671
59	-0.027369	0.032326	-0.036153	0.046223	0.01799	0.201006	-0.018591	0.059389	-0.047817	0.0043	0.04657	0.005568	-0.004417	-0.029057
60	-0.05295	0.137995	0.012833	0.039672	-0.068678	-0.001483	-0.055217	0.003265	0.052509	0.03468	0.008421	0.015325	0.064541	0.009282
61	-0.015478	0.014392	0.020487	-0.059896	-0.018252	0.020928	0.012047	-0.102337	0.008422	0.143608	0.055579	0.063464	-0.034427	-0.06096
62	0.043388	0.034462	0.008946	0.095393	-0.066347	0.029511	0.00388	0.068473	0.007758	0.001615	0.014475	-0.039703	-0.039352	0.030917
63	0.026043	0.017115	0.053514	-0.060605	-0.027027	0.033957	0.00083	0.076357	-0.041293	-0.034057	-0.086244	-0.040705	-0.077173	0.029333
64	-0.020178	0.023639	-0.057565	-0.003543	-0.045134	-0.069105	-0.027237	-0.032315	0.088251	0.10526	0.026981	0.093639	0.038349	-0.101832
65	0.126509	-0.058942	0.12353	0.068546	-0.039621	-0.006829	-0.05051	-0.032824	-0.024511	0.067355	-0.064565	-0.017134	-0.0257	0.001091
66	0.044985	-0.065091	0.021885	-0.034077	-0.098303	-0.035205	-0.089959	0.089857	0.046057	0.003961	-0.01471	0.015915	0.062438	0.034223
67	0.09239	0.028938	-0.078509	0.063748	-0.024773	-0.00408	0.081678	-0.086716	0.064738	-0.005558	-0.019609	0.086392	0.108613	0.065197
68	-0.134808	0.061317	0.02209	0.134465	-0.011656	0.047368	0.033745	-0.056874	-0.015974	0.025116	0.02419	-0.001316	-0.007472	0.00793
69	0.131276	0.028767	0.120763	-0.063847	-0.03517	-0.026192	0.009719	0.103533	-0.043295	-0.048914	-0.047584	-0.03067	-0.034333	0.056825
70	-0.154349	0.118782	-0.026255	0.031651	-0.0074	0.062119	-0.145702	-0.111259	0.017062	0.058824	0.041711	0.030118	-0.009034	-0.034378
71	0.083372	-0.122926	-0.048778	-0.026488	0.013033	0.065039	-0.000248	-0.083774	-0.061702	0.029704	0.011953	0.020962	0.01052	-0.012302
72	0.00059	-0.037671	0.023355	0.1348	0.070182	0.045107	-0.029358	-0.161532	-0.002593	-0.038181	-0.024566	-0.042686	0.019073	0.030155
73	-0.129661	-0.029682	0.035441	-0.043106	0.011771	-0.006699	-0.037756	0.064551	-0.007015	-0.095283	-0.034987	0.035674	0.073573	-0.069666
74	-0.039341	-0.006226	0.025721	-0.0298	0.028042	-0.066704	-0.017484	0.053976	0.092434	0.026643	-0.01712	0.07322	0.003652	0.05696
75	-0.161867	-0.004672	-0.070478	0.047687	-0.05083	-0.024254	-0.07684	-0.080897	-0.048923	-0.083746	-0.071172	0.000471	0.004449	0.053247
76	-0.043949	0.007599	0.030345	0.049012	-0.008535	-0.022775	0.048441	-0.117183	-0.036663	-0.073453	-0.039377	0.019827	-0.030881	-0.067605
77	0.029028	-0.06127	0.122152	-0.038191	0.058899	-0.111166	-0.010755	0.04825	0.014708	0.012609	0.067104	0.007913	-0.011827	0.053454
78	0.035928	0.088206	-0.057187	-0.120083	0.020355	0.041099	0.076749	0.134073	0.106068	0.058313	-0.012638	0.052482	0.072444	-0.092312
79	0.080575	-0.093128	0.053783	0.027314	0.110363	-0.023522	0.046458	0.029031	0.036072	0.030235	-0.068623	-0.062484	-0.01131	0.103991
80	-0.050811	-0.05373	0.07788	0.019071	-0.0253	0.071625	0.070488	-0.021601	-0.019636	-0.064518	-0.030671	0.004105	0.028444	-0.00289
81	-0.115051	-0.011744	0.004161	0.080273	0.022179	0.114483	0.023256	0.046397	0.073085	-0.004628	0.002472	0.062291	0.130325	-0.029593
82	0.05602	-0.033705	-0.094111	0.045691	-0.025433	-0.004354	0.05533	-0.024989	0.069907	-0.003002	0.130234	0.084799	-0.003562	0.016451

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
83	0.030859	-0.103229	-0.075984	-0.038771	0.089094	-0.126839	-0.012949	0.043097	-0.046495	0.028647	-0.001601	0.033945	-0.040608	-0.036329
84	-0.072491	-0.055848	-0.041057	0.098091	-0.01176	0.122504	-0.073298	0.058973	-0.012406	0.086903	-0.022295	0.008886	0.158715	0.071149
85	0.065108	0.023305	0.026961	-0.015076	-0.098511	0.019223	0.047024	-0.092324	-0.015494	0.053874	0.058556	-0.026831	-0.025586	-0.018314
86	-0.057655	0.037283	-0.040922	-0.046506	0.033833	-0.011182	0.069059	0.100113	0.149886	0.073869	-0.0267	0.0725	0.043704	0.113174
87	-0.005731	0.076689	-0.067339	-0.05501	0.129961	0.005716	0.076655	-0.057276	-0.014095	-0.001055	-0.057129	-0.083154	-0.083613	0.078897
88	0.025674	-0.024234	0.031344	-0.012656	0.05989	0.13253	-0.110642	0.013696	0.003569	-0.12094	-0.009284	0.006098	-0.070069	0.047769
89	-0.124173	0.098335	0.118061	-0.045126	-0.081799	-0.008885	0.06858	-0.001086	-0.016791	-0.058319	-0.073749	0.025998	0.001307	0.020261
90	-0.099107	-0.099805	0.106423	-0.032756	-0.111976	-0.128812	-0.032965	-0.080034	0.039079	-0.062305	0.029049	-0.043421	0.103587	0.00445
91	-0.016992	0.057362	-0.04594	0.11567	-0.070514	-0.114466	-0.050596	0.129109	-0.072321	-0.01944	-0.09057	-0.03783	-0.074786	-0.080625
92	0.096059	-0.162883	0.02817	0.069406	-0.060609	-0.052342	-0.031142	0.01188	-0.038345	0.077082	-0.013226	-0.061961	-0.032313	0.015164
93	0.023233	0.007066	0.106575	-0.071727	0.095448	-0.093534	0.019744	-0.015148	-0.093859	-0.002949	0.037579	-0.030313	-0.10412	-0.035563
94	0.02215	0.00984	0.035525	0.125489	-0.083342	-0.047855	-0.036089	0.055135	0.040592	-0.029327	0.018975	0.009376	0.026057	0.032488
95	-0.031843	-0.011016	0.042256	0.006694	-0.077611	0.008076	0.03703	0.03057	0.067184	-0.094259	0.00782	0.001798	0.033872	-0.04913
96	0.028982	-0.110578	0.022205	0.031765	-0.040583	-0.031566	0.01482	0.14366	-0.035906	-0.021873	-0.034423	0.092749	0.093353	-0.02716
97	0.052409	0.064532	-0.039885	0.028584	0.10927	0.079361	0.068004	-0.027637	0.020702	0.004753	-0.040222	-0.00302	0.012839	0.032111
98	-0.051316	0.117365	0.058188	-0.067507	-0.053873	-0.022326	0.030754	-0.051383	0.141367	0.045794	0.107712	0.040582	0.001683	-0.013594
99	-0.087148	-0.061474	0.006766	0.011952	0.035192	-0.042493	0.041508	-0.039313	-0.062978	-0.025848	0.007818	-0.007609	-0.084042	0.07002
100	-0.037107	-0.017034	-0.026917	0.027846	0.022424	0.020745	0.000452	-0.021385	-0.035185	-0.00053	-0.022922	-0.041746	-0.03387	0.052181
101	-0.006419	-0.013412	-0.009912	0.00972	0.002356	-0.0013	-0.024927	-0.012067	0.009073	0.01571	0.00775	0.008349	0.000329	0.017912
102	0.00139	0.04821	-0.020577	-0.023832	-0.005953	0.056233	0.039257	0.007255	-0.046597	0.023531	0.048531	-0.034037	-0.064289	-0.021875
103	-0.010099	-0.012963	0.010671	-0.037048	-0.013454	0.007721	0.040686	0.02807	-0.040036	0.101842	-0.018611	-0.019144	-0.02813	0.005619
104	-0.054037	0.062869	-0.026852	-0.033075	0.00495	-0.029545	0.02215	0.074678	-0.023147	-0.023223	-0.001266	-0.014479	0.001252	0.007844
105	0.00956	0.032575	-0.001972	-0.033306	-0.028449	0.017192	-0.01547	-0.022557	0.010637	0.07281	0.04252	0.041264	0.007023	0.029813
106	0.025557	-0.032046	-0.022079	-0.042319	-0.025428	0.021259	-0.019889	-0.040273	-0.00011	0.067893	0.018205	-0.009624	-0.009691	-0.015931
107	-0.019465	0.006009	-0.047061	0.021132	-0.061798	-0.038075	-0.071422	-0.086673	-0.024755	0.034903	-0.027596	-0.047006	0.017499	-0.023697
108	-0.06261	-0.054331	-0.123069	-0.126359	-0.04608	-0.078051	-0.076772	-0.045004	0.000838	0.025275	-0.037979	-0.036998	0.06683	0.049984
109	0.464164	0.008392	-0.031505	0.031413	-0.072498	0.009529	0.024156	-0.095663	0.019105	-0.067474	-0.044596	0.017113	0.016703	-0.02602
110	0.028195	0.476368	0.004694	0.014574	-0.005404	0.035684	-0.034555	0.034505	0.024357	0.01925	-0.026845	0.047049	0.015851	0.007909
111	0.026425	-0.0007	0.588814	0.034841	-0.048109	0.091644	-0.018136	-0.081516	-0.033876	0.032959	-0.001381	-0.0074	-0.001235	0.002761
112	0.032571	0.016339	0.03102	0.621168	0.025087	-0.046761	-0.037517	-0.032193	0.022617	0.055154	-0.03113	0.005235	0.009506	-0.049387
113	-0.029646	-0.023163	-0.03442	0.006518	0.570826	-0.054214	0.004633	-0.031598	0.00624	0.015195	0.03173	0.004896	0.021661	-0.01236
114	-0.06052	0.038293	0.051937	-0.006054	-0.046963	0.464418	0.018321	-0.000927	0.004017	-0.055699	0.019839	-0.003335	0.002905	0.018602
115	0.007595	-0.05637	-0.043424	-0.009415	-0.019213	0.054385	0.622599	-0.081527	-0.041405	-0.067547	-0.010218	-0.042396	0.012648	-0.031712
116	-0.048377	-0.000362	-0.096864	0.00512	-0.045573	0.019471	-0.023159	0.524432	-0.012268	0.039024	0.06192	-0.005372	0.007765	0.004747
117	0.049003	0.01815	0.026087	-0.001236	0.012047	0.010127	-0.02278	-0.000241	0.736051	-0.05371	-0.008641	-0.15316	-0.150578	-0.027627
118	-0.05079	-0.003218	0.051081	0.045184	0.050109	-0.027068	-0.001681	0.054041	-0.087174	0.571757	-0.0587	-0.011395	0.014243	-0.079874
119	-0.041386	-0.014188	-0.031433	-0.011192	-0.001456	0.004571	-0.026361	0.039557	-0.005573	-0.050577	0.767318	-0.008708	0.007896	0.001455
120	0.023799	0.064195	0.015778	-0.001487	-0.00236	0.016704	-0.014216	-0.034202	-0.139042	-0.001007	-0.023332	0.804006	-0.131889	0.005011
121	0.037784	0.044008	0.015175	-0.018868	0.039148	-0.015081	0.02609	0.000068	-0.12857	0.014246	0.00332	-0.121158	0.749119	-0.007867
122	-0.001387	0.02832	0.001851	-0.01382	-0.01081	0.025151	0.001068	0.004416	0.001773	-0.069862	0.005565	0.00698	-0.006881	0.755545
123	0.021292	-0.045714	0.001784	0.039875	0.026565	-0.010151	-0.028504	0.015146	-0.008263	-0.034517	-0.054105	0.002921	-0.029491	-0.113853

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
124	-0.00066	-0.017098	-0.010622	-0.037712	0.016717	0.025834	-0.0081	-0.004586	0.005217	-0.033076	-0.119781	0.004132	0.001564	-0.023188
125	0.0122	0.039302	0.034325	-0.029704	-0.033186	0.003548	0.004128	0.003606	0.01126	-0.009006	0.06292	-0.011009	-0.00183	-0.006842
126	0.001809	0.011987	0.005761	0.011915	-0.032446	-0.011791	0.001256	-0.004796	-0.018767	-0.042491	0.001515	-0.001884	-0.042623	-0.057566
127	-0.027979	-0.014288	0.031378	-0.008221	-0.00528	-0.008027	-0.021234	0.019038	-0.034835	-0.053472	-0.017949	-0.01421	-0.020287	-0.049236
128	-0.004578	-0.047982	0.03426	0.040872	-0.030668	0.011624	-0.013097	0.000018	-0.019797	0.004049	-0.035917	-0.017686	0.022451	0.024433
129	-0.001608	-0.036511	-0.006607	-0.047167	-0.006334	0.016536	-0.001442	0.035584	-0.007247	-0.030935	-0.025597	-0.002734	-0.008663	-0.066281
130	-0.083846	0.032293	0.01214	-0.022955	0.052654	-0.010127	-0.039811	0.017558	0.071459	0.02539	-0.031086	-0.003262	0.018209	0.056364
131	0.034268	-0.050139	-0.056292	0.058239	-0.018688	0.035632	0.059616	-0.023347	-0.040898	-0.014664	-0.033662	-0.032755	-0.042447	0.022114
132	-0.010609	-0.001339	-0.033986	0.008432	0.01845	0.01285	0.000982	-0.017629	-0.016544	0.025799	-0.020807	-0.043387	-0.004132	0.005905
133	-0.044752	-0.016621	0.022941	0.007511	0.034069	0.005749	0.030862	-0.008807	-0.056779	0.013049	-0.046282	-0.01874	-0.043756	0.036523
134	0.032011	0.035136	-0.048837	-0.028893	0.03189	0.033398	-0.020045	-0.056517	-0.033951	-0.058281	-0.009673	0.004682	-0.006441	-0.045908
135	0.029487	0.026744	0.023661	-0.021163	0.012545	0.032628	0.004361	-0.007073	-0.003087	0.017766	-0.030393	-0.022477	0.024691	0.024503
136	0.023939	0.004387	-0.052793	0.033809	-0.047535	0.103207	-0.045859	-0.07107	0.008736	0.029604	-0.023689	-0.00455	-0.009277	0.016126
137	0.023195	-0.033844	-0.01602	0.040474	-0.080142	-0.018021	0.040445	0.029006	0.012175	-0.004895	0.01687	0.038281	0.014612	0.009021
138	-0.011053	0.031841	-0.006543	0.00403	-0.06596	0.0145	0.050928	-0.001788	0.01811	-0.021747	-0.033104	-0.00756	-0.007689	-0.050091
139	-0.004594	-0.067414	-0.01669	0.033095	-0.049282	-0.020347	0.024072	0.038196	0.022477	0.005882	-0.067916	-0.014639	-0.033078	-0.005787
140	0.031392	0.060889	0.009905	-0.051144	0.010364	0.018556	0.00071	0.015971	-0.038437	-0.0038	0.050902	0.047454	0.050806	-0.022896
141	0.06105	-0.016677	0.046985	-0.006858	0.073666	-0.010777	0.025554	0.007004	0.041491	0.051505	0.009438	0.032518	0.04001	-0.008343
142	-0.026819	0.016403	0.033889	0.00259	0.026947	-0.066246	-0.008785	-0.010433	-0.040398	-0.056558	-0.029938	0.00022	-0.025907	-0.017266
143	0.021992	0.050015	0.035525	-0.026055	0.04911	-0.014512	0.0127	0.013461	0.015872	0.033168	0.002507	-0.004485	-0.012003	-0.074009
144	0.017785	-0.026065	0.008343	-0.0136	-0.012188	0.031566	-0.013101	-0.014637	0.028768	0.056001	-0.087358	0.021693	0.028232	-0.019185
145	-0.000392	0.024734	-0.005735	0.047172	-0.028834	-0.041432	0.035448	0.019459	-0.005733	0.019667	-0.018431	-0.000718	0.003454	-0.024903
146	0.057911	0.010418	0.024738	-0.007107	-0.02186	0.01857	0.016196	-0.021838	-0.010358	0.029536	-0.008124	-0.030581	0.019571	0.025318
147	0.004734	0.080651	0.053449	-0.052419	-0.059336	-0.061667	0.028022	-0.011254	0.006724	-0.021403	0.022445	-0.005193	-0.013041	-0.013158
148	0.068089	-0.033314	-0.007376	0.029684	-0.089265	-0.009161	-0.035775	-0.018038	-0.01624	-0.049261	-0.00151	0.010876	0.045128	-0.003497
149	0.043428	0.004594	0.0125	-0.009909	0.021126	0.012833	-0.03983	-0.002584	-0.033786	-0.038591	0.038443	-0.015931	-0.023324	-0.044663
150	-0.016427	0.080501	0.070422	-0.075741	-0.070779	0.026945	0.002569	-0.023713	0.049393	-0.0519	0.004545	-0.051366	0.033072	-0.02971
151	0.059797	-0.004045	-0.030607	0.019264	0.016678	-0.023213	-0.020027	-0.029678	-0.049867	0.021712	-0.028378	-0.024716	-0.047978	-0.035243
152	0.01659	-0.002739	-0.00626	-0.061881	-0.036147	-0.01511	-0.002947	0.020635	-0.004566	-0.009262	-0.041075	0.011865	-0.06651	-0.007895
153	-0.000052	-0.049526	0.044419	-0.0106	-0.009679	0.015039	-0.0076	-0.020739	0.050214	-0.002526	-0.018725	0.020619	0.030262	-0.012683
154	0.004694	-0.000465	-0.02826	0.020252	-0.031378	0.049968	-0.014343	-0.000783	0.039305	0.032719	-0.012778	0.034765	0.028278	0.022587
155	-0.002871	-0.000078	-0.047053	0.021352	0.023095	0.000466	0.001568	0.029999	0.009744	-0.042651	-0.007137	-0.008676	-0.015983	0.024143
156	-0.046544	0.034974	0.013755	0.019464	0.020792	0.026306	-0.020358	-0.025243	-0.010012	-0.008314	-0.029311	-0.05228	-0.027048	0.035842
157	0.039715	0.036882	-0.040468	0.046209	-0.044847	0.023099	-0.035213	-0.011771	-0.038438	0.023858	-0.022613	-0.024004	0.018999	-0.005
158	-0.057952	-0.027921	-0.040717	-0.005386	-0.009042	-0.060817	-0.0229	0.035508	0.005035	0.035386	0.00112	-0.041925	-0.04444	-0.004572
159	-0.072504	-0.020815	0.033254	-0.003988	0.036999	0.025246	0.030041	-0.042894	0.034569	0.012153	0.020131	0.01257	0.006529	0.017859
160	-0.042372	-0.068592	0.030472	-0.085619	-0.074422	-0.04101	0.100506	0.005427	0.0124	-0.016535	-0.045874	-0.043856	-0.052698	-0.039031
161	-0.014044	-0.031233	0.05395	-0.019111	0.038379	-0.058261	0.017845	-0.077769	-0.004114	0.014276	-0.027409	-0.010207	-0.005572	0.022471
162	0.014803	0.016493	-0.028181	-0.034161	0.00307	-0.026774	0.034179	0.016891	-0.009988	-0.029724	-0.108584	0.014851	0.022048	0.037099
163	0.057155	0.026605	-0.04247	-0.078614	-0.011535	-0.021501	-0.005675	0.002148	-0.045008	0.024293	-0.030554	-0.022863	-0.03131	0.010525
164	0.048965	0.028859	0.034442	-0.015475	-0.080103	-0.082213	-0.020416	0.01849	-0.043631	0.004129	-0.028002	0.007673	0.013844	-0.003798

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
165	-0.03113	0.056555	-0.00247	-0.002367	-0.00715	0.011652	0.051374	0.058734	0.025287	-0.012266	-0.000381	0.007118	0.009147	0.004807
166	-0.074066	0.011314	0.015715	-0.039508	0.015547	0.005941	0.001198	-0.045065	-0.022706	0.000275	-0.068433	-0.029656	-0.004965	-0.026754
167	-0.014485	0.019509	-0.028684	-0.029847	-0.056563	-0.007625	-0.006843	0.02441	0.038977	-0.012349	-0.050637	-0.012349	0.004742	-0.043653
168	-0.031337	0.024416	0.075358	0.05603	-0.02651	0.070372	0.023087	-0.036127	0.019825	0.010903	-0.000915	-0.003566	0.025329	0.036662
169	0.02309	-0.000139	0.001875	0.008229	-0.006083	-0.013757	0.046672	0.013754	-0.01848	0.022165	-0.000147	-0.014907	-0.015768	0.019934
170	-0.006382	0.00897	0.036839	0.020653	-0.00943	-0.029989	0.033186	0.004108	-0.010299	0.048165	-0.003862	-0.012036	-0.0135	0.015373
171	0.010294	-0.007002	0.017711	0.012853	0.012891	-0.042978	0.025104	-0.010213	-0.023644	0.002202	-0.014597	-0.017154	-0.035309	0.009671
172	0.039651	0.001362	-0.021773	-0.003667	-0.02098	-0.038782	0.01958	-0.003296	-0.013762	-0.006228	-0.015556	-0.011337	-0.009087	0.044806
173	-0.006142	-0.006988	-0.012672	0.017955	-0.008984	-0.006896	-0.015378	0.033888	-0.022235	-0.008585	0.012625	0.005953	0.009844	0.017505
174	0.00297	-0.019824	0.022994	0.042711	0.008618	0.004661	-0.002682	-0.044818	-0.022961	-0.023811	0.034678	0.006585	-0.025753	0.029398
175	-0.020853	0.048566	0.020082	0.021857	-0.036137	0.062902	-0.017392	0.007959	-0.062252	-0.119341	-0.011228	-0.029249	0.015752	-0.031526
176	0.061913	0.020592	-0.029837	0.00742	0.001516	0.023103	0.021683	-0.016506	0.001952	-0.000438	-0.000008	-0.014144	-0.02573	0.007503
177	0.029695	0.050365	0.004091	0.032747	-0.026116	0.075633	-0.07309	-0.01053	-0.05121	-0.000815	-0.033488	-0.055802	0.023164	-0.010372
178	0.008582	-0.025518	-0.015793	0.020312	0.025472	0.009961	0.012806	0.032134	0.026117	-0.016681	-0.015263	0.022322	-0.001548	0.013663
179	-0.00207	-0.009755	-0.00896	0.03762	0.008055	0.002858	-0.008224	-0.004676	-0.023353	-0.034596	-0.00756	-0.009345	-0.01612	0.009847
180	-0.003134	-0.006464	-0.001511	0.001001	0.009319	-0.011177	-0.007678	0.029676	0.00959	-0.024587	0.00101	0.016142	-0.005992	-0.014489
181	-0.029061	-0.022944	-0.011844	0.007064	0.022968	0.010973	-0.013074	0.009307	-0.00424	-0.023688	-0.004809	0.010904	-0.006655	-0.016737
182	-0.058202	-0.017812	-0.000032	0.020884	0.01125	0.005398	-0.040595	0.01153	-0.005489	-0.04631	-0.033413	0.000937	0.013935	0.006599
183	-0.015294	-0.000573	-0.041502	0.047574	-0.043275	0.005893	-0.032701	-0.047496	-0.009867	-0.01162	-0.011652	-0.014818	0.013416	0.007178
184	0.00449	0.000134	-0.050081	0.021986	-0.042989	-0.030019	0.010699	-0.050563	0.010427	0.020284	-0.001671	-0.027162	-0.007253	0.008758
185	0.077896	-0.082002	-0.011894	-0.003362	0.000007	-0.000466	-0.018172	-0.012988	-0.061752	-0.064849	0.035765	0.003298	-0.045652	-0.05613
186	-0.052128	0.010603	0.029218	-0.023737	0.0384	0.008953	-0.01	0.016234	0.034055	0.056754	-0.024214	-0.004221	-0.01189	-0.009116
187	0.026676	0.036921	-0.011844	-0.019563	-0.024088	-0.015505	-0.014858	0.056948	0.032704	0.00494	0.002024	0.015382	0.041377	-0.006044
188	0.019699	0.00891	-0.004417	0.000492	-0.01768	-0.034465	-0.008282	0.00756	0.033506	0.003189	0.015455	0.008434	0.030765	0.007257
189	0.006312	-0.034912	-0.02393	0.032666	-0.022454	-0.02206	0.003052	-0.000169	-0.000691	0.00581	0.010896	-0.009529	0.01251	-0.023531
190	0.037537	0.019284	0.001174	0.05571	-0.004965	-0.024128	-0.010833	0.015299	0.003323	0.008358	-0.013362	0.004826	-0.020377	0.01621
191	0.008716	0.050338	-0.006578	0.044211	0.075908	0.065788	-0.020183	0.002806	-0.039647	-0.014306	-0.01882	-0.011969	-0.015535	0.008195
192	0.022964	-0.019549	0.045178	0.012923	0.013212	0.052988	-0.01221	-0.047379	-0.011193	-0.008532	-0.014125	-0.015713	0.014001	0.020081
193	0.000986	0.005101	0.009476	0.030533	-0.012093	-0.006096	-0.024216	-0.018728	-0.033526	0.018151	-0.031511	-0.023748	0.02527	0.03515
194	0.05736	0.05046	0.012073	-0.047386	-0.010709	0.038126	-0.024246	0.059212	0.010437	0.008152	0.00564	-0.014756	0.011258	-0.059657
195	0.006072	-0.058894	-0.075857	0.00007	0.057504	-0.013057	-0.014971	-0.039755	-0.009093	0.013871	0.001764	0.009269	-0.000639	-0.029663
196	-0.007883	-0.006565	-0.041446	-0.026128	0.054018	-0.016954	-0.05633	-0.063461	-0.009179	-0.011581	-0.001757	-0.008184	-0.008303	-0.025837
197	0.048059	0.018268	0.031764	0.034077	0.057375	-0.01248	-0.023699	0.01298	-0.00208	0.016797	-0.001201	-0.014685	-0.003595	0.025274
198	0.036476	0.023976	0.002776	-0.031746	-0.033862	-0.0363	0.025061	-0.049001	0.021708	0.008209	-0.006181	-0.004955	0.026385	0.00359
199	0.021462	0.029688	0.038352	0.040217	-0.077577	-0.006169	-0.096892	0.042527	0.00629	0.005722	0.020404	-0.020361	0.023933	-0.030359
200	-0.046432	-0.055913	0.010753	-0.044414	0.004518	-0.031872	-0.000877	0.005335	0.007237	-0.029298	-0.032587	0.02852	0.02443	0.055803
201	-0.022452	0.078482	-0.061722	-0.034994	0.007348	0.001782	0.03147	-0.089067	0.059785	-0.018576	-0.00757	0.047704	0.037516	-0.050107
202	-0.024042	0.036804	0.012004	-0.025538	-0.012981	-0.012607	-0.017905	0.011824	-0.010801	0.078657	-0.036569	-0.026596	-0.05147	0.012605
203	0.06628	0.014119	0.010143	0.055843	0.011972	-0.037012	-0.015249	-0.029032	-0.004665	-0.030027	0.009388	-0.01962	-0.010415	-0.009922
204	0.024868	0.014748	-0.063533	-0.052088	-0.052239	0.01126	-0.020196	-0.002115	0.01021	-0.003214	-0.005804	0.009596	0.01793	-0.005361
205	-0.02155	-0.04239	0.026558	0.01421	0.005782	0.112464	0.015951	0.027213	0.03414	-0.041211	-0.023243	0.047716	0.040942	-0.009558

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
206	-0.005992	-0.099298	0.024982	0.01878	-0.037189	-0.051117	-0.01921	0.005473	0.030001	0.012544	0.013774	0.03	0.013037	0.017574
207	0.00111	0.000621	-0.011762	-0.015885	0.034344	-0.050757	-0.010843	0.027911	0.002479	-0.076605	-0.04312	0.045907	-0.009747	-0.047939
208	-0.068177	-0.054691	0.013892	-0.005586	0.01621	0.046777	-0.065514	-0.00621	0.025431	-0.007676	0.008637	0.014729	0.014097	0.041923
209	0.008927	-0.042725	0.038216	-0.00987	0.011111	-0.029104	0.001391	-0.055812	0.002217	-0.042499	0.025716	0.02703	-0.004578	0.02014
210	0.021384	-0.014261	-0.046977	0.008604	-0.026676	0.046431	0.091187	0.024167	0.002334	0.021054	0.01868	-0.01166	-0.021328	-0.021809
211	0.054087	0.046287	0.000535	0.025854	0.005409	0.006644	-0.012687	0.025871	0.004982	-0.025382	0.000701	0.005249	0.019361	0.042251
212	0.003704	-0.007261	0.081462	-0.034605	-0.035118	0.055886	0.037209	-0.0463	-0.023241	-0.056636	0.03242	0.008461	-0.034111	0.010723
213	-0.03254	0.015296	-0.018916	-0.018865	-0.033747	0.05443	-0.026477	0.010172	0.039873	-0.003925	-0.051416	0.031366	0.057561	-0.01148
214	0.002351	-0.020443	-0.004027	0.025457	0.007453	-0.007296	-0.03368	0.000912	-0.019843	-0.010156	0.00907	-0.012498	-0.015515	0.001964
215	-0.022426	-0.002763	-0.037263	0.004951	0.036418	0.059557	-0.001433	0.03832	-0.044967	-0.009337	0.014901	-0.014364	0.014568	-0.029001
216	-0.036552	0.013927	-0.014782	-0.061408	0.028909	0.073821	0.015885	0.006099	0.031833	-0.01329	-0.030132	0.024041	0.029191	-0.04218
217	-0.020767	-0.002369	-0.013524	-0.015367	-0.038306	0.007611	0.024789	0.092167	-0.012173	-0.039994	-0.07239	0.014278	0.013588	0.016486
218	-0.034326	-0.025629	-0.006133	0.027972	0.015843	0.005807	-0.022174	-0.008897	-0.015644	0.015073	0.014597	-0.003295	0.013015	-0.026926
219	-0.034197	-0.014789	-0.019955	0.000238	0.009602	-0.031659	-0.011065	-0.05083	-0.006698	0.005133	0.005055	0.009213	0.008415	-0.011879
220	-0.008439	-0.01551	-0.0426	0.010883	-0.000159	0.018804	0.001316	-0.019875	-0.015394	-0.039021	-0.027814	-0.005054	-0.008229	0.017919
221	0.005205	-0.00728	-0.05025	-0.005405	-0.023425	0.023001	0.020884	-0.001532	0.023667	0.003089	0.029812	0.028688	-0.002251	0.012835
222	-0.036017	-0.012951	-0.003979	-0.015127	0.014225	0.035314	-0.012627	-0.012073	0.018361	-0.003016	0.008943	0.016477	0.022701	0.006696
223	-0.047498	-0.026821	0.015122	-0.048743	0.013871	0.044612	-0.048889	-0.020644	-0.001327	-0.012761	0.032427	-0.002144	0.015105	-0.02111
224	0.00083	0.02137	-0.043076	0.017496	0.008804	0.003154	-0.011688	0.017367	-0.062731	-0.048497	0.006204	-0.045048	-0.061646	-0.000952
225	0.004455	0.025687	-0.053634	0.041826	-0.024998	0.003947	0.010424	0.008199	-0.059913	-0.031028	0.024505	-0.025274	-0.040178	-0.006278
226	-0.005261	-0.01507	-0.013299	-0.009527	0.013573	0.019267	0.016945	-0.027372	0.024	0.04044	0.00593	0.005416	0.001037	-0.027504
227	0.027006	-0.007638	-0.007451	0.029392	-0.049343	-0.0284	0.02034	0.011094	-0.012513	-0.01856	0.009014	-0.014134	-0.003833	-0.026081
228	0.007894	-0.01213	0.048193	0.025706	0.032255	0.005276	-0.040657	0.042836	0.024364	-0.036625	-0.025254	0.013862	-0.016014	-0.018148
229	-0.010101	0.014637	0.034321	-0.009041	0.016071	0.012206	0.026401	0.079328	-0.005086	0.006191	-0.038234	0.013044	0.004562	0.004229
230	-0.017018	0.011296	0.021818	0.000804	0.010397	0.03989	0.009634	0.012472	0.021782	0.003707	-0.002644	0.004852	0.032084	0.018859
231	0.009574	-0.014691	-0.033916	-0.021331	-0.049446	0.00798	0.008127	-0.053965	-0.005816	0.001315	0.028062	-0.016122	0.037514	0.01143
232	0.055051	-0.012312	-0.01506	-0.024133	0.04082	-0.033471	-0.057172	-0.027558	0.011185	-0.00545	0.016095	-0.00457	-0.004135	-0.006695
233	0.035427	-0.046384	-0.025672	-0.014195	-0.043063	0.069297	0.022083	0.006795	0.025298	0.029554	0.017871	0.007251	-0.002284	-0.038503
234	-0.004148	0.004618	0.054338	-0.046316	0.031061	-0.042167	0.029255	-0.004333	0.035758	0.009307	0.016745	-0.003556	-0.003109	0.03054
235	-0.015454	0.065743	0.010422	0.023569	-0.026906	-0.015157	0.024263	-0.033185	-0.045666	0.000032	0.024921	-0.017766	0.003522	0.027054
236	0.039729	0.018036	-0.01953	-0.023088	-0.00824	-0.024745	-0.0016	-0.004709	-0.014223	0.006681	0.018322	0.001449	0.002708	0.01973
237	0.002752	0.019508	0.046024	0.000875	-0.005446	-0.025301	0.001643	0.026639	-0.004789	-0.022495	0.013409	-0.007453	0.023734	-0.00416
238	-0.030626	0.02449	0.003771	-0.011195	0.001591	-0.020579	-0.007858	-0.008166	0.007553	-0.027105	0.011767	0.000257	0.008443	0.007344
239	-0.000268	0.00378	-0.032659	-0.018034	0.001219	0.009939	0.00106	-0.03247	0.016069	0.006253	0.014891	0.0173	0.001314	-0.006387
240	0.021865	0.00539	-0.038162	0.006397	-0.000331	0.028392	0.016313	-0.003868	-0.004032	0.028478	-0.001688	0.006265	-0.035579	0.001508
241	-0.001505	-0.022399	-0.018419	-0.003957	-0.002807	0.05726	-0.000663	-0.033422	-0.014167	0.015094	0.011584	-0.000822	-0.025349	-0.02353
242	-0.004637	0.036525	-0.003128	-0.022155	-0.037582	0.02478	0.000035	0.025369	-0.032487	0.002772	-0.021732	-0.005105	-0.009229	0.004593
243	-0.022956	0.058716	0.019195	0.005012	-0.000641	0.016555	0.035619	-0.004097	-0.00131	-0.004128	-0.006342	-0.001568	0.01073	-0.006148
244	0.074957	-0.001951	0.000055	0.020545	-0.02862	-0.015158	0.038448	0.00221	0.031387	0.01513	0.014934	0.015185	-0.000848	0.017974
245	0.026569	-0.04118	-0.008126	0.01795	-0.013623	-0.031233	0.028221	-0.001551	0.005304	0.048056	0.037656	0.000608	0.001712	0.005241
246	-0.001956	-0.00369	-0.035501	0.03072	0.019945	0.027754	-0.015498	0.041097	-0.015274	-0.004419	0.00905	0.008587	-0.015188	-0.006831

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
247	0.029035	0.017165	-0.032774	0.003967	-0.020106	-0.009951	-0.004983	-0.007941	-0.007443	-0.033255	0.033282	-0.010338	-0.024155	-0.006351
248	0.028606	0.004906	-0.035782	0.008134	0.009753	-0.027527	-0.009678	-0.026621	-0.008119	-0.04016	0.010938	-0.003291	0.014671	0.008926
249	0.007388	0.009797	-0.019502	0.005245	0.033445	0.034721	-0.033838	-0.023331	-0.005324	0.061303	-0.028683	-0.00633	0.000703	0.019069
250	0.005109	0.022962	-0.007481	0.00423	0.052239	0.056589	-0.03625	0.018825	-0.006237	-0.017145	-0.00071	-0.016154	0.005824	-0.014185
251	-0.033659	0.01917	0.023908	0.010784	-0.012229	-0.001119	0.00142	-0.021546	-0.016359	0.015243	0.026805	0.011776	-0.01193	0.00199
252	-0.022448	0.000066	0.019131	-0.000948	-0.005329	-0.002045	0.025151	-0.052994	-0.020391	0.038511	-0.006843	0.00651	-0.005928	0.005101
253	0.059583	-0.006432	0.006168	-0.059677	0.001964	0.052965	-0.015029	-0.008449	0.018929	0.01182	0.000531	0.011268	0.023714	-0.011768
254	0.01522	-0.00063	0.029171	-0.012323	0.009397	0.005242	-0.025136	-0.023531	-0.019835	-0.010716	0.013473	-0.00508	-0.006837	0.015183
255	0.015548	0.007607	0.019075	0.025497	-0.017023	0.002798	0.024379	-0.008514	0.020652	0.001169	0.000978	0.013528	0.001307	0.04162
256	-0.01205	-0.024068	-0.002587	-0.011554	0.00148	-0.012624	-0.000354	-0.001934	0.041431	-0.002178	0.002802	0.018791	0.038122	0.041944
257	0.005217	-0.04001	-0.016253	-0.031416	-0.005015	-0.005397	-0.030176	-0.019514	0.015133	0.013381	-0.019014	0.013866	0.022005	0.004786
258	0.03242	-0.042626	-0.008642	0.005918	-0.016933	-0.006161	0.000443	0.008959	0.004025	0.023723	0.020818	0.020722	-0.005787	0.023811
259	-0.024677	0.003992	0.020998	-0.001639	0.041213	0.012212	-0.007085	0.003355	-0.008142	0.020038	-0.012535	-0.000018	0.006432	0.008174
260	-0.017551	-0.020768	0.034541	0.00184	0.037027	0.022043	0.009543	-0.026439	0.004427	0.019441	-0.02491	-0.002799	0.022391	0.004036
261	-0.052214	-0.04357	0.026342	-0.000898	0.000381	0.002994	0.016845	-0.017254	0.011884	0.029308	-0.011731	0.018488	-0.001618	0.004843
262	-0.004768	-0.037991	-0.000089	-0.018204	-0.044545	-0.012067	-0.004049	0.017264	-0.008188	0.011043	-0.021877	-0.002428	-0.008241	0.005072
263	-0.005012	0.005807	-0.003509	-0.021772	-0.001403	-0.026213	0.012439	0.006851	-0.020563	0.01428	-0.031941	-0.022803	-0.016017	0.018054
264	-0.012663	0.032929	-0.010286	0.004832	0.018067	-0.005514	0.002202	-0.028364	0.0065	-0.022046	-0.002409	-0.00981	0.013508	0.026888
265	-0.003162	0.012273	-0.005751	-0.002182	0.020707	-0.047214	-0.012039	-0.027827	0.000153	-0.035307	0.004342	0.000373	0.026658	-0.00612
266	-0.04338	-0.026578	0.036014	-0.029371	0.01464	-0.024078	-0.008886	-0.023095	0.020508	-0.042782	-0.000415	0.000494	0.033522	-0.01025
267	0.060045	-0.028304	-0.044371	-0.040189	0.026438	0.021183	0.00317	0.038699	0.026044	0.013945	-0.006357	0.009	-0.000723	0.000608
268	0.019076	0.030062	-0.040437	-0.018197	0.023897	0.006109	0.00886	-0.037932	0.002766	0.030134	0.008445	-0.01329	-0.017503	-0.03774
269	-0.006639	0.011843	-0.015971	-0.005951	0.012588	0.020801	-0.013361	-0.000915	-0.021906	-0.003143	-0.008954	-0.016219	-0.004597	-0.029725
270	0.017667	-0.033847	0.018293	0.004573	0.019064	0.0099	-0.00406	-0.000808	-0.003356	-0.00147	-0.022034	-0.005828	0.004681	-0.018247
271	-0.046767	0.057229	0.037187	0.058537	-0.044884	0.00569	-0.041797	-0.058362	-0.043751	-0.047985	0.024382	-0.010215	-0.005495	-0.061786
272	-0.012142	-0.006422	0.033905	0.017415	0.001726	-0.043427	0.015319	0.02036	-0.014927	-0.002976	-0.009404	0.003441	-0.015679	0.024103
273	0.009579	0.023315	-0.006136	0.021796	0.010077	0.001066	0.007968	-0.016549	-0.009472	0.03805	-0.008023	-0.017146	-0.018412	0.013221
274	-0.002063	0.018123	0.002645	0.021742	0.004711	0.003346	0.002397	-0.009561	-0.017428	0.015875	-0.017797	-0.015442	-0.015634	0.010525
275	-0.019372	0.014003	0.030927	0.023681	0.004402	0.000252	-0.003868	0.008136	0.015098	-0.025325	-0.027006	0.001596	0.024718	0.031948
276	0.049751	0.045127	-0.002905	-0.033338	-0.004767	-0.022381	0.001118	0.003618	-0.01117	0.008484	0.010493	-0.002789	-0.015055	0.003344
277	0.010139	0.030555	0.011123	-0.00641	-0.009571	-0.003182	0.011188	0.024036	0.007199	0.002947	-0.000186	-0.017057	-0.002908	-0.01439
278	-0.002554	-0.019939	0.033372	0.001377	-0.029208	0.018842	-0.005927	0.047922	-0.000675	-0.024788	-0.024834	-0.004154	0.014769	-0.011443
279	-0.018091	0.010823	0.013689	-0.012791	0.028383	-0.00371	-0.009535	-0.019018	0.014639	-0.030495	-0.008734	0.009694	0.007369	0.003771
280	-0.000274	0.08082	-0.005243	-0.034629	0.009474	0.030992	0.03491	0.010751	0.010428	0.035702	0.006344	-0.009648	0.018851	-0.017745
281	-0.04748	-0.01277	-0.003881	0.026079	0.053042	0.04765	-0.001974	-0.015909	-0.013234	0.061554	0.02747	-0.017781	-0.027887	-0.007042
282	-0.060973	-0.039459	0.025717	0.043056	0.035664	0.051862	-0.005024	0.025452	-0.040182	0.00903	0.006232	0.000497	-0.034113	-0.003155
283	-0.019907	0.001883	0.028969	-0.005705	0.009658	-0.024539	0.012692	-0.009262	0.000492	-0.043749	0.005261	0.000662	-0.019988	0.003963
284	-0.007344	-0.008662	-0.004198	-0.027261	-0.008235	-0.01862	-0.030277	-0.023086	0.011206	0.009683	-0.01975	0.007451	0.013082	0.015356
285	-0.012014	-0.005491	0.021119	-0.04306	-0.004086	-0.006752	-0.041912	-0.021547	0.021282	0.01255	-0.019085	0.022019	0.014036	-0.003557
286	-0.017415	-0.042342	0.030717	-0.0102	-0.056419	0.000247	-0.034365	-0.002422	0.000663	0.005163	0.006954	0.02193	0.028825	0.001538
287	-0.019855	-0.045636	0.066424	-0.005616	-0.034425	-0.004903	0.000389	0.02546	0.00172	0.020563	-0.015029	0.013275	-0.003515	0.012972

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
288	0.044623	-0.015513	0.018934	0.020256	-0.03782	0.020886	-0.006447	0.047924	-0.008181	0.006606	0.001746	0.016789	-0.005453	0.038842
289	0.015359	-0.014868	-0.011417	0.00629	-0.021083	0.003556	0.015166	0.018586	-0.007777	-0.001004	-0.028566	0.00862	0.01311	0.011739
290	0.007234	0.045241	-0.038098	0.004234	0.020847	0.007507	0.015188	-0.006258	-0.003439	0.010762	-0.016045	-0.022254	-0.006709	0.026362
291	0.012165	0.042965	-0.040197	-0.001517	0.020328	0.011572	0.013832	0.004165	-0.004126	0.007333	-0.018639	-0.018566	-0.005897	0.026719
292	0.009427	0.063537	-0.036306	0.000809	0.022574	0.013632	-0.004411	0.010653	-0.009352	0.000389	-0.005271	-0.025855	-0.006229	0.022693
293	0.002754	0.03664	-0.026607	-0.064489	-0.049358	0.034058	-0.017175	0.024506	-0.031793	-0.020788	0.02277	-0.014521	-0.00489	0.013928
294	0.022027	-0.00763	-0.019231	-0.014259	-0.002944	0.015792	0.037691	0.010643	-0.005529	0.002273	0.035398	0.005593	0.013682	0.00227
295	0.015426	0.001349	-0.003266	-0.007719	-0.062567	0.010666	-0.018829	0.051603	-0.018419	-0.008344	-0.009657	-0.009947	0.014474	0.005777
296	0.008966	0.002953	0.014775	0.025055	-0.014799	0.051449	0.018734	0.056068	0.005273	-0.027877	0.000567	-0.003627	-0.007186	-0.000324
297	0.006384	-0.020484	-0.025714	-0.021554	-0.036246	0.04817	-0.01748	0.018749	-0.039938	0.018566	-0.019485	-0.032448	-0.014547	0.026929
298	-0.033982	-0.037472	-0.033697	0.001747	0.059327	-0.008537	-0.025758	-0.018805	-0.021769	0.041003	-0.000384	-0.013441	-0.015629	0.080715
299	-0.004962	-0.00342	-0.001655	-0.022082	-0.01107	0.000495	-0.011262	-0.057332	-0.021828	0.01317	0.054236	-0.014752	0.004195	-0.004845
300	0.020672	0.012086	0.037793	-0.033334	-0.008247	-0.000005	-0.004432	-0.052436	-0.006253	0.053858	0.016237	-0.029719	-0.032165	0.009653
301	-0.006993	-0.004039	-0.008571	-0.031255	-0.026338	-0.027727	-0.022862	-0.015715	0.00272	0.014135	0.014167	0.012195	0.019709	0.017614
302	-0.016317	-0.021109	-0.019386	-0.0182	0.006381	0.012623	-0.011735	0.020497	0.035517	0.002534	-0.000864	0.033	0.043218	-0.023285
303	0.009304	-0.01352	0.005311	0.012858	-0.041193	-0.009813	0.000354	-0.021067	0.021663	-0.008831	0.078514	0.014195	0.02786	-0.014774
304	0.021464	-0.012204	0.017684	-0.003386	0.004018	-0.007046	-0.019264	-0.041779	0.026597	-0.018618	0.052021	0.021084	0.034476	-0.008214
305	-0.058601	-0.043363	-0.005594	0.004479	-0.016061	-0.008914	-0.04283	0.006246	-0.020821	-0.079435	-0.003884	0.011543	-0.009101	-0.001302
306	0.049594	0.012645	-0.028012	0.014108	0.017392	-0.013962	0.022052	-0.043243	-0.023318	-0.014071	0.019887	-0.013387	-0.016715	0.00187
307	-0.030914	-0.036141	0.060003	0.042087	0.044762	0.001905	-0.010386	-0.045759	0.063796	0.003188	-0.03408	-0.005429	0.026178	-0.025695
308	0.01631	0.016883	0.013061	-0.015857	0.045041	0.024864	-0.005014	-0.01893	0.008121	0.02807	-0.01427	-0.006131	-0.011402	0.01368
309	-0.001607	0.00419	0.021524	0.001038	0.018448	0.009426	-0.029664	0.020303	-0.012174	0.0088	-0.020055	-0.024771	-0.027627	0.021686
310	0.014673	0.016463	-0.01067	0.027999	0.022037	0.004771	-0.00868	-0.006216	-0.021917	-0.064901	0.014852	-0.002628	0.00896	-0.006005
311	0.020576	0.027074	-0.025833	0.007691	-0.016114	-0.036761	0.029824	-0.004343	0.011621	-0.005421	-0.021724	0.002245	-0.001173	0.014424
312	-0.039328	-0.03649	-0.034088	0.003348	-0.056865	0.092736	0.074594	-0.060314	0.010663	0.018561	0.003269	-0.018924	0.046951	0.029479
313	0.022854	0.036741	-0.004674	0.001841	-0.009583	-0.011651	0.009083	-0.036813	-0.013695	0.007973	-0.018043	-0.039734	-0.018524	0.062236
314	0.005104	-0.04549	0.031632	-0.066902	0.024826	-0.010654	0.051467	0.012323	-0.027341	-0.019483	0.022885	-0.024506	0.000671	0.056714
315	0.005805	0.00091	0.034678	0.014572	0.004295	0.02765	-0.008948	0.021961	-0.027758	-0.014448	-0.005368	-0.048456	-0.04265	-0.003196
316	0.032189	-0.009669	0.016633	-0.061953	-0.007179	0.051649	-0.039919	0.03802	0.015867	-0.010051	-0.000187	-0.015964	-0.042131	0.016871
317	-0.006989	0.00082	0.026208	-0.008637	0.026733	-0.009448	-0.027834	0.008185	-0.026957	-0.014357	-0.015722	-0.015944	-0.019919	0.010852
318	0.026068	-0.003832	0.024824	-0.040193	0.034495	0.037167	-0.032058	-0.030195	0.025372	-0.002603	0.013766	0.016713	-0.011414	-0.015054
319	-0.014811	0.01359	0.015487	-0.014832	0.025006	0.031256	-0.020038	0.017599	-0.011904	0.000189	0.000208	-0.042657	-0.042644	0.00035
320	-0.039699	0.000765	-0.04021	-0.004062	0.06317	0.008748	0.01912	-0.022237	-0.004194	-0.040193	-0.005862	-0.006988	-0.042993	0.011292
321	-0.006048	-0.037578	0.045437	0.02245	-0.023453	0.006994	0.012772	-0.00416	-0.009752	0.046119	0.008283	-0.023818	-0.013193	0.019559
322	-0.021534	-0.001947	0.017294	-0.009587	0.008099	0.005162	0.001351	-0.001357	-0.060924	-0.07478	-0.022721	-0.009126	0.007392	-0.013171
323	-0.041703	-0.005482	-0.037448	-0.017039	0.038289	-0.038618	-0.006595	-0.021017	-0.012488	0.000006	-0.037312	-0.026374	0.048262	0.019683
324	0.067877	0.000736	-0.015719	-0.019346	0.048715	0.06496	-0.033713	-0.044617	0.053426	0.01451	-0.014825	0.026864	0.021786	-0.040041
325	-0.023536	-0.013623	0.024155	0.04401	-0.012109	0.018543	-0.030859	0.035501	-0.004096	-0.014166	-0.005006	-0.019366	-0.027101	0.015103
326	0.009682	0.040255	-0.04095	0.024123	-0.010606	-0.033464	0.019248	-0.036769	0.003777	0.000733	0.018343	-0.002496	-0.002929	0.006731
327	-0.019226	0.008501	0.005844	0.002495	-0.001514	-0.000555	-0.01218	0.012397	0.013342	-0.023055	0.006817	0.019652	-0.007325	0.001089
328	0.030499	-0.011363	0.000807	0.018116	-0.023878	0.05427	0.004202	0.019931	0.016005	0.016657	0.009487	0.000523	0.022464	-0.007293

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
329	0.002914	-0.022358	-0.015339	-0.000298	-0.012617	-0.038754	-0.002126	-0.029402	-0.010124	-0.02995	0.03926	0.009561	-0.000347	-0.005282
330	-0.006597	-0.024782	0.008458	0.016391	0.005122	0.003289	-0.020286	0.006738	-0.023192	-0.006171	-0.012658	-0.024694	-0.005642	0.021433
331	-0.001388	0.010917	-0.00521	0.002569	0.008869	0.012054	0.008648	0.033501	-0.011235	-0.02669	-0.010369	-0.023175	-0.012234	0.008948
332	0.061333	0.00369	-0.036131	-0.004029	-0.049404	-0.046256	0.040499	0.012328	0.035496	-0.014151	0.003237	0.029826	-0.018901	0.026715
333	-0.007457	-0.002057	0.012255	0.009875	0.02217	0.023056	-0.043117	0.038367	-0.001567	-0.021446	-0.035657	-0.015595	-0.016756	0.006032
334	-0.100769	0.040785	0.004383	0.024369	-0.053706	0.034928	-0.024458	0.044398	0.004643	0.024612	0.006958	0.002662	-0.057354	-0.023363
335	-0.000292	-0.031286	0.031263	-0.015788	0.0228	0.03061	-0.0137	-0.011802	0.012747	-0.000473	-0.005107	-0.005258	0.022074	0.009108
336	0.007287	-0.026616	0.068295	-0.000036	0.003993	-0.068825	-0.004268	0.048162	0.026277	-0.035185	0.030333	0.051528	0.057446	0.01467
337	-0.007689	0.039701	0.028837	0.043932	-0.02187	-0.061346	-0.030918	-0.068278	-0.008527	0.008787	0.032793	-0.024262	-0.006574	0.011358
338	-0.008782	-0.027704	0.023439	-0.028615	0.007166	0.013533	0.016236	0.045426	-0.017285	0.015922	0.042822	0.022663	-0.016967	-0.014034
339	-0.073582	0.061279	-0.012682	-0.023344	0.017601	-0.0525	-0.005146	-0.018221	0.016858	0.063406	-0.037595	0.004276	-0.040222	-0.008791
340	0.068227	0.004407	0.017418	-0.033203	-0.048284	0.027071	-0.03869	0.008564	0.003723	0.014254	-0.002807	0.011167	-0.025405	0.016374

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
1	0.040192	0.091089	0.011247	0.022545	0.057896	-0.005584	0.055363	0.061463	-0.035906	-0.159549	0.02845	0.010929	0.068786	0.056986
2	-0.025234	-0.068913	-0.060095	-0.008899	-0.001046	-0.035285	0.138294	0.032893	0.09041	-0.02741	0.044899	-0.026505	-0.08286	-0.096215
3	0.015568	-0.020536	0.004571	0.083858	0.058834	0.058171	-0.134892	0.06117	0.015639	0.008217	0.089713	0.048068	0.001534	-0.055341
4	-0.034632	0.027602	0.049297	-0.040267	-0.020406	-0.029394	0.063607	-0.071649	-0.067747	-0.005372	-0.047816	-0.082496	0.060175	-0.051911
5	0.000244	0.021042	-0.045059	-0.023705	-0.021747	0.018681	-0.115373	-0.028099	-0.089697	-0.005994	-0.037481	-0.005795	-0.02671	-0.046361
6	0.094341	0.018045	0.021147	0.064264	0.042728	-0.018555	-0.011165	-0.046611	0.008973	-0.061255	0.034524	-0.002387	-0.029029	0.017982
7	-0.052959	-0.058356	0.011919	-0.022181	-0.025276	0.056638	-0.080825	-0.029156	-0.023752	-0.059133	-0.06274	-0.02099	0.020245	-0.057916
8	-0.073884	-0.037796	0.047422	0.024176	0.025713	0.026426	0.100649	0.03295	0.057433	0.062948	0.081482	0.037128	0.014381	0.025391
9	0.05576	-0.021427	0.033578	0.000078	-0.014691	-0.004131	-0.00352	0.008835	-0.087932	0.104202	-0.05768	0.066828	-0.021801	0.015479
10	0.012484	0.074121	0.010245	-0.035906	-0.021443	0.099811	0.048434	0.040153	-0.023814	0.024605	0.025793	-0.040486	0.011404	0.113558
11	-0.089469	-0.009371	-0.023899	-0.00074	-0.018498	-0.091454	0.014814	-0.021293	0.005023	-0.090244	0.012138	0.009862	-0.036887	-0.007445
12	0.018448	0.048756	0.01855	0.033085	0.018554	-0.001467	0.007224	0.011527	0.072975	-0.035925	-0.046754	0.022217	0.015056	-0.007138
13	0.094818	0.061376	0.016343	0.022577	0.003019	-0.045158	0.002716	-0.024174	-0.06072	0.015317	-0.108834	0.001687	-0.010336	0.005461
14	-0.001086	0.040086	0.008477	0.007504	0.003121	0.0947	0.001996	0.137943	0.070013	0.009448	-0.030601	0.077446	-0.012932	-0.019232
15	-0.009387	0.024561	-0.043693	-0.007763	0.037139	-0.010098	-0.095357	0.077377	0.049328	0.031328	0.070827	-0.044493	0.027134	0.016834
16	-0.021009	-0.078317	0.001984	-0.034445	-0.018645	0.064835	0.042482	0.078542	-0.03837	-0.039077	0.001819	-0.005946	-0.009871	0.016397
17	-0.059406	-0.00188	0.017272	0.031422	0.042707	0.003179	0.027967	-0.104423	-0.065751	-0.048087	0.002959	-0.002456	-0.063508	-0.056111
18	-0.023137	0.013021	-0.034336	0.011721	0.006274	-0.01401	0.162415	-0.087716	0.027869	-0.011083	0.001966	0.039815	-0.027801	-0.013497
19	0.0978	-0.009746	0.014413	0.050127	0.033214	-0.029627	0.117955	0.000295	0.001877	0.038418	-0.037405	0.053294	0.013628	-0.042734
20	-0.042317	-0.067718	-0.043027	-0.057747	-0.085096	0.035414	0.019358	0.016649	0.024567	-0.042281	0.058242	-0.045044	-0.013906	-0.008042
21	-0.064148	-0.033938	0.002358	-0.019574	-0.003854	0.002877	-0.000698	-0.119824	-0.135656	0.051969	0.047351	-0.026223	0.000784	-0.087321
22	0.004344	0.01635	0.021212	0.009032	0.024853	0.036925	0.040255	-0.050608	-0.008836	0.00351	-0.03608	-0.004503	-0.005643	0.022972
23	0.010605	-0.026216	-0.032806	-0.053332	-0.05837	-0.014161	0.028207	-0.050229	0.010468	0.011004	-0.013773	-0.051464	0.038355	0.093656
24	-0.035602	-0.04552	0.068605	0.059819	0.03851	-0.07016	-0.074324	0.044174	0.028798	0.01502	0.055495	0.054716	0.00268	0.045948
25	-0.045886	0.021229	-0.052057	0.027999	0.002674	-0.000398	0.022312	0.072832	-0.030846	0.033136	0.017407	0.012679	0.079204	0.002539
26	-0.052524	-0.047071	0.024236	-0.070728	-0.050951	0.025522	0.182591	-0.033101	0.074817	0.217531	-0.132334	-0.026887	-0.040932	-0.046505
27	0.050305	0.002249	-0.035005	-0.028118	-0.00029	-0.001398	0.092505	0.103405	-0.005138	0.001355	-0.022138	0.059176	0.004231	0.090401
28	-0.048469	-0.043254	-0.004065	-0.022819	-0.029095	-0.03311	-0.001732	-0.115204	0.069967	0.006653	-0.011031	0.144042	0.015834	0.137528
29	0.020593	-0.022914	0.045209	0.018764	0.041197	-0.016191	-0.009532	-0.051793	0.046386	0.013242	0.003065	0.030512	0.001405	0.046066
30	0.047879	0.036352	0.068622	-0.00746	-0.039857	-0.040889	0.003477	-0.038438	0.083712	-0.003565	-0.030284	0.123369	-0.004599	0.031123
31	0.053376	0.015114	0.005052	0.007564	0.001694	-0.001796	-0.070039	0.079947	0.138281	0.12485	0.088066	-0.054797	-0.003876	-0.028276
32	-0.029432	-0.035259	-0.009431	-0.034165	0.049705	-0.012169	-0.057479	0.021696	-0.050329	-0.054026	-0.015087	0.092633	-0.017966	-0.004573
33	0.017045	-0.001975	0.013821	0.000415	0.037817	-0.07213	-0.109986	-0.051803	0.100526	-0.114958	-0.061415	0.024559	-0.019573	-0.130663
34	-0.027618	-0.090938	0.008068	-0.030267	0.037405	-0.021831	0.061117	-0.145052	-0.075896	-0.030856	0.050063	-0.10928	-0.012785	-0.034121
35	-0.054618	0.012386	-0.030916	-0.141061	-0.071405	-0.00041	-0.030518	-0.080089	-0.035843	-0.017029	0.019188	-0.084573	0.003264	0.079671
36	-0.014099	0.012156	-0.016094	0.042005	0.04294	-0.009268	0.052841	0.042654	0.035146	0.021808	-0.111201	-0.002682	-0.004299	-0.004751
37	-0.052591	-0.031688	-0.006348	-0.016581	-0.021322	-0.034456	-0.171947	-0.08832	-0.15462	0.065276	-0.018722	-0.113101	-0.027163	0.029691
38	-0.035239	-0.037448	-0.02179	-0.000412	0.05413	0.031261	-0.031842	-0.01259	-0.027164	0.01459	0.003881	0.124059	0.021929	0.041199
39	0.023659	0.001421	0.003394	-0.023408	-0.049952	-0.03498	0.049594	-0.040213	0.081503	-0.047625	-0.084009	-0.051734	0.021259	-0.041088
40	-0.04254	0.008654	-0.000441	-0.05513	-0.072092	0.067482	-0.1574	-0.015484	-0.061017	0.052043	0.018028	0.104743	0.045333	-0.060322
41	0.02901	0.049532	-0.092905	0.014884	0.008511	0.079442	0.003785	-0.024275	-0.071584	0.024831	0.006087	-0.072863	-0.033199	0.000669

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
42	0.001678	-0.004675	-0.000264	-0.003444	-0.007385	0.022835	-0.02626	0.010428	-0.031194	0.014089	-0.002015	0.019671	0.006543	0.004277
43	0.011514	0.029026	0.004353	-0.00199	0.011508	-0.002122	-0.04229	0.046855	0.141362	-0.025089	0.072191	0.118865	0.061905	0.022411
44	0.00634	0.050676	-0.00124	-0.041354	0.001152	0.002797	0.189521	-0.011075	0.11042	-0.005909	0.094611	-0.071359	-0.040465	0.10599
45	0.024483	-0.015526	-0.038997	0.011926	-0.005	-0.04225	0.070587	0.065519	-0.050265	0.016167	-0.012973	0.058997	-0.032126	-0.060008
46	-0.002439	-0.007903	0.019087	-0.021597	-0.032835	-0.075992	-0.028936	-0.050999	-0.035752	0.00586	-0.056855	-0.029785	0.031095	0.047604
47	0.021783	-0.011754	0.050949	0.003479	0.032474	0.132512	-0.025008	0.022637	-0.077783	0.183553	0.095244	-0.100474	0.110844	0.011536
48	0.015619	0.09584	-0.032963	0.051743	0.023511	-0.067873	0.083675	-0.028634	-0.160362	-0.104082	0.147539	0.066274	-0.026121	0.077126
49	0.05113	-0.059454	-0.021868	0.043466	0.024408	-0.035887	0.007865	-0.078642	0.021962	-0.094829	-0.039731	0.041442	-0.047278	-0.112476
50	0.010344	0.082742	-0.011333	0.041374	0.04369	0.047472	0.112512	0.020339	0.036008	-0.066113	0.063454	-0.014324	-0.005682	-0.006834
51	0.075131	0.086896	-0.035145	0.043089	0.005749	-0.032183	-0.024675	-0.038054	0.078332	-0.035465	-0.039165	0.032918	-0.029437	0.056413
52	-0.015923	-0.003008	-0.027834	0.002717	0.029973	-0.058911	0.001975	-0.058357	0.007673	-0.035944	-0.018994	0.000038	-0.076446	-0.048787
53	-0.074159	-0.00919	0.033798	-0.020635	-0.022952	0.012536	0.072702	-0.020589	0.043875	0.122194	0.110111	0.02912	0.05702	0.069812
54	0.002618	-0.090462	0.005392	0.06766	0.03925	0.011683	0.085756	0.09736	-0.043328	-0.072568	-0.025213	-0.005897	-0.022668	-0.063623
55	0.023391	-0.027599	0.112688	0.049633	0.0289	0.040196	0.081897	-0.098038	-0.062938	0.006257	0.113289	0.107406	0.026045	-0.043674
56	-0.06036	0.00522	-0.00806	-0.008712	0.046967	0.035468	-0.051367	0.007688	0.01816	-0.067651	-0.090315	-0.036873	0.021658	0.101684
57	0.03002	0.01876	-0.02662	-0.042224	-0.012627	-0.025901	0.054665	0.125012	-0.06047	-0.027263	-0.024393	0.003869	0.013921	-0.017327
58	0.006063	0.020549	-0.023803	0.013521	-0.000399	-0.058281	-0.152542	-0.043665	0.033288	-0.018201	0.055069	-0.05231	-0.038206	0.048317
59	-0.028825	-0.026423	-0.015249	0.014413	-0.008589	0.048103	-0.012804	-0.075813	0.076793	0.014274	0.034736	0.003153	-0.012047	-0.015816
60	0.097239	0.058451	-0.003766	0.028311	-0.010883	-0.003386	0.035758	-0.140375	-0.025604	0.078523	0.04997	0.096609	0.084964	-0.017873
61	-0.011339	-0.007014	0.069834	0.01107	0.035273	-0.006297	-0.001643	0.107196	0.081345	0.074996	0.04758	-0.017589	-0.013928	-0.019599
62	-0.035614	-0.002394	-0.01069	0.001296	0.03103	-0.009843	0.023609	0.035033	-0.023585	-0.070085	-0.040098	0.306142	-0.028553	-0.020333
63	0.082246	-0.035645	-0.031138	0.038925	0.009964	-0.065404	-0.02773	-0.075932	0.051594	0.063359	-0.047799	-0.058521	0.03435	0.05141
64	-0.068558	-0.00618	0.037639	0.003443	0.018001	0.047311	-0.073476	-0.058135	-0.03645	0.064169	-0.006399	-0.072511	0.0336	0.004415
65	-0.083064	-0.007056	0.11924	0.016682	0.076924	-0.014414	0.088399	-0.151724	-0.066672	-0.037235	0.111164	0.005136	0.063555	-0.069643
66	-0.015107	-0.025388	-0.015539	0.058565	0.06005	-0.024356	0.054801	0.080499	-0.111844	-0.005156	0.028167	0.052746	-0.03922	0.023283
67	-0.012856	0.011478	0.003484	0.015847	0.03265	-0.003213	0.034434	0.094826	-0.135588	-0.024252	0.01074	0.005699	0.025449	-0.040625
68	0.001134	0.028801	-0.056501	0.029183	0.038531	-0.012565	-0.105526	0.013152	-0.054725	0.007287	-0.089277	-0.020502	0.031378	-0.078143
69	0.028726	-0.035951	-0.01758	-0.041662	0.020315	-0.026917	0.009682	0.069663	-0.069029	0.051903	0.016815	-0.06157	-0.039754	0.064763
70	-0.054196	0.022199	-0.065202	-0.074834	-0.040688	-0.04882	-0.032271	0.053432	0.078994	-0.042711	-0.011641	0.013811	0.021986	-0.10436
71	-0.011142	-0.009679	0.033617	0.013768	0.00655	-0.030801	0.02979	0.045016	-0.031803	0.062283	0.016738	0.060106	-0.030805	-0.0576
72	-0.053683	-0.023562	-0.033031	-0.046443	-0.01568	-0.029452	-0.005822	0.035811	-0.006088	-0.119035	0.002151	0.029184	-0.006823	-0.067431
73	-0.05397	-0.010838	0.019816	-0.003277	-0.092744	0.043221	0.021642	-0.083129	-0.008476	-0.028181	-0.019301	-0.016693	0.05366	0.04527
74	0.009771	-0.030232	0.003211	0.018119	0.095535	0.089946	0.01945	0.103873	0.049193	-0.021988	0.033646	0.059193	0.0127	0.033648
75	0.113437	-0.009178	0.056828	0.018324	0.012584	-0.041117	-0.015194	-0.062232	-0.039403	-0.036225	0.018461	-0.109709	0.052241	0.110452
76	-0.054444	0.01071	-0.078662	-0.032147	-0.005068	-0.016542	0.10999	0.037521	0.005917	-0.008422	0.006846	0.044534	-0.019481	-0.055646
77	-0.041674	-0.037373	0.02509	0.005297	-0.026383	-0.030948	-0.080751	-0.133934	0.02199	-0.019141	-0.034027	0.013869	0.019209	0.071088
78	-0.028975	-0.062468	-0.000912	0.008966	0.017948	0.087762	-0.024805	-0.032371	0.004783	0.02795	0.104603	0.0176	-0.010672	-0.041468
79	0.022989	0.00549	0.016027	0.065988	0.023886	0.03349	-0.001178	-0.095673	0.033357	0.067618	-0.007431	0.046094	-0.056155	-0.024128
80	0.024209	0.006726	-0.003061	0.004263	-0.00311	-0.075047	-0.008921	-0.012847	-0.143273	0.018706	-0.005654	0.130222	-0.032235	0.06719
81	-0.02153	0.015765	0.071943	0.030676	-0.008594	-0.087671	0.028565	0.003832	0.030302	-0.084325	0.019641	0.002864	-0.021543	0.041216
82	0.017654	0.089558	0.054364	0.08881	0.122418	0.081631	0.045046	-0.055256	-0.030182	0.07252	0.111233	0.089401	0.047453	0.00661

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
83	-0.070512	-0.038187	-0.020632	-0.087444	-0.109145	0.038663	0.121704	-0.053382	-0.045894	-0.054162	-0.059611	-0.085359	0.042414	0.050509
84	-0.010885	0.016913	-0.059144	0.092829	0.071292	-0.048497	0.060988	-0.078914	0.021642	0.035934	0.082971	-0.017671	-0.037305	-0.042628
85	-0.015686	-0.018263	-0.032222	-0.036047	0.01949	0.059845	-0.05249	0.027549	-0.083609	0.010112	0.027363	-0.065613	-0.002085	-0.02983
86	0.080794	0.018699	-0.019965	-0.012372	0.058841	0.009305	-0.02696	-0.089318	0.135775	-0.047127	-0.035589	-0.08676	-0.03964	0.039031
87	0.029505	0.006088	-0.02917	0.031026	-0.01718	0.011396	-0.103729	-0.064835	-0.100247	-0.035759	-0.089903	0.031089	0.006978	-0.059138
88	-0.024533	-0.069282	-0.034949	-0.080566	-0.041216	0.076847	0.064757	0.114515	-0.019484	0.00025	-0.01289	0.020655	-0.065501	-0.113853
89	0.080977	-0.001714	0.062697	0.020412	0.00786	-0.024556	-0.105903	0.077041	-0.04183	-0.010647	0.025259	-0.019825	0.014478	0.044011
90	0.045182	-0.002219	0.017142	0.029516	-0.027533	0.064058	-0.041146	-0.01658	0.104238	-0.103962	0.018599	-0.133435	0.02302	0.014509
91	-0.008669	-0.007724	0.040366	0.05119	0.016696	-0.104545	-0.107739	0.08343	0.001041	-0.085119	-0.008381	0.043196	0.001474	0.032965
92	0.015226	0.004278	-0.011164	0.048846	0.059855	-0.007786	0.000757	-0.03162	0.027352	0.032895	-0.050074	-0.157471	-0.014099	-0.112619
93	-0.084634	0.119984	-0.062409	0.018293	-0.018806	0.038841	-0.031798	0.047782	0.05836	-0.039035	-0.02895	0.100654	0.048313	0.100788
94	0.04918	0.040852	0.018529	0.012303	0.044549	-0.060184	-0.049151	0.014214	-0.047702	-0.032142	0.013556	0.109333	0.003466	0.002878
95	-0.040184	-0.017643	-0.045591	-0.003921	-0.039503	-0.034649	-0.045497	0.055792	-0.007011	0.036939	0.025614	0.050048	0.022953	0.071356
96	0.008978	0.063048	-0.042052	-0.052946	-0.037324	-0.098028	-0.009576	-0.009679	0.067989	-0.043648	-0.025977	0.026333	-0.023283	-0.038852
97	0.139927	-0.030591	0.126541	0.179712	0.135258	-0.013394	0.047766	0.027651	-0.033776	-0.011483	-0.11471	-0.046252	-0.024785	0.017548
98	0.101387	0.040196	-0.246802	0.005648	0.041497	0.063242	0.001308	-0.208085	0.019792	0.037481	0.127929	-0.001318	0.01334	-0.172329
99	0.048375	-0.073416	-0.023889	-0.012483	0.005005	0.004863	0.016604	-0.136008	-0.106892	0.016843	0.055434	0.061151	0.043574	-0.02422
100	0.012647	-0.021999	0.050818	0.019333	0.002252	-0.010122	0.016982	0.009738	-0.007207	0.036596	-0.023157	-0.000276	0.002644	-0.00886
101	0.006012	-0.003394	0.016214	0.007734	0.001752	0.005361	0.020127	-0.016959	0.017307	0.004006	-0.028661	-0.029794	0.00781	0.004504
102	0.024629	0.008154	-0.017253	0.011312	0.020021	0.030274	0.022951	0.049769	-0.033877	-0.001448	-0.004108	0.007738	0.019476	-0.030682
103	-0.018142	0.007959	0.041959	-0.01759	-0.027069	0.002342	-0.017312	-0.012066	-0.065245	-0.027674	-0.048996	-0.034712	0.001644	0.008997
104	0.050822	0.017262	0.029697	0.008988	0.002209	-0.060246	-0.004979	-0.020206	0.079102	-0.035487	-0.017764	-0.009871	-0.015816	0.051496
105	0.014068	0.013613	0.007086	0.046221	0.066425	-0.010817	0.029258	0.044364	-0.08542	0.005357	0.02635	0.051072	0.003323	-0.037745
106	-0.008159	-0.002288	0.018916	0.013844	0.008938	0.016598	-0.024342	0.016264	0.032893	0.036212	-0.034025	0.110027	-0.021061	-0.049335
107	-0.052753	-0.039137	0.025349	0.002244	0.003563	-0.009665	0.034413	0.040465	-0.046222	-0.048973	0.001232	0.006911	0.014052	0.009829
108	0.004045	-0.018008	0.008062	0.040965	0.022974	0.011241	-0.002002	0.002055	0.003309	-0.076994	-0.00851	-0.043328	0.011701	0.013328
109	0.003941	0.012755	-0.004887	0.000523	-0.019086	-0.028552	-0.017781	-0.043093	0.034272	-0.020831	-0.037233	-0.021279	0.027112	-0.011891
110	-0.036822	-0.006054	0.029991	0.017027	-0.004658	-0.022772	-0.037171	0.048038	-0.026048	-0.031716	0.032624	0.018405	0.027088	-0.029385
111	-0.009297	0.015958	0.037062	0.008172	0.017666	0.051071	-0.016545	0.042823	-0.045532	-0.000834	0.026529	-0.068053	0.040314	-0.03446
112	0.040102	-0.063212	0.011432	0.037689	0.009299	0.040562	-0.058158	-0.054492	-0.001203	0.027795	0.021624	0.021496	-0.009908	0.05863
113	0.013838	0.013769	-0.017543	-0.035402	0.010988	-0.029924	-0.002448	0.046536	-0.034282	0.054175	0.034935	0.009701	0.011641	-0.034924
114	0.032266	0.0541	0.017639	-0.020058	-0.004058	-0.005249	0.025983	-0.026981	0.019122	0.021377	0.044666	0.038829	0.031718	0.062925
115	-0.029663	-0.008669	-0.00972	-0.011028	-0.011027	-0.061378	-0.050793	-0.047893	0.039616	0.007113	-0.009257	-0.045374	0.007845	-0.046761
116	0.034619	0.043268	-0.031218	-0.012164	0.011762	-0.035375	-0.011292	0.039729	-0.007427	0.007913	-0.006745	-0.083798	0.011798	-0.07167
117	-0.036729	0.001447	-0.004286	-0.018611	-0.040967	-0.00171	0.033768	0.06792	-0.069637	0.004516	-0.018545	-0.012652	0.017094	0.022593
118	-0.044082	-0.048136	-0.034624	-0.030306	-0.050026	-0.01459	-0.003541	0.037708	-0.041182	-0.001985	-0.008352	-0.063839	-0.005059	0.021838
119	-0.041488	-0.102449	0.072825	0.015525	0.001667	-0.03633	-0.026364	-0.049355	-0.045817	-0.042948	-0.014812	0.006356	-0.015196	-0.043322
120	-0.022614	-0.015709	-0.023417	-0.012827	-0.016083	-0.007328	0.012143	-0.012325	-0.066363	-0.026658	-0.014144	-0.017046	-0.00881	-0.010036
121	-0.038224	-0.003203	-0.00472	-0.035677	-0.024755	0.055513	0.022165	0.017769	-0.055592	0.039734	-0.024444	-0.025402	0.03384	0.001567
122	-0.118012	-0.017367	-0.018183	-0.038851	-0.022598	0.025135	-0.016354	0.040047	-0.015227	0.01578	0.044775	-0.028022	0.019357	-0.007385
123	0.782466	-0.041644	-0.007091	-0.077106	-0.048185	0.027091	0.023557	0.022773	-0.017683	-0.011814	0.019709	0.016125	0.012451	-0.032239

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
124	-0.051382	0.840566	0.027462	-0.025566	-0.021802	0.007822	-0.003372	-0.013648	-0.024174	0.011936	-0.021554	-0.046801	-0.027462	-0.065322
125	-0.006032	0.039043	0.791764	-0.052413	-0.027583	-0.005415	-0.011867	-0.025567	0.011294	-0.013009	0.018094	-0.012513	-0.023307	-0.064917
126	-0.081707	-0.011385	-0.070231	0.833838	-0.116741	0.001114	0.012867	0.000781	-0.011184	0.014002	-0.017267	-0.038241	0.005997	-0.014562
127	-0.066396	-0.005651	-0.056982	-0.118304	0.841592	-0.017953	-0.01752	-0.010191	0.01303	0.012225	-0.034793	-0.010284	0.010995	0.014141
128	0.026678	0.020165	-0.009103	0.012845	0.00186	0.776869	-0.009704	-0.021795	-0.002751	-0.091663	-0.046979	0.048402	-0.03823	0.00155
129	-0.026414	0.0018	-0.015108	0.005447	-0.001926	-0.012731	0.486811	-0.033632	-0.042645	-0.000217	0.012566	0.030457	0.055349	0.007105
130	0.018226	-0.012026	0.014206	0.000944	-0.005915	-0.036269	-0.010006	0.455433	-0.037914	0.016605	0.045516	-0.024353	0.003586	-0.021514
131	-0.037322	-0.031253	0.000184	-0.011996	0.014283	0.01434	-0.004639	-0.030743	0.568276	0.022988	0.03137	-0.017895	0.032501	-0.022679
132	-0.013065	0.020962	-0.034519	0.02444	0.023136	-0.086344	0.013684	0.022153	-0.005428	0.649323	-0.011241	0.020581	-0.010052	-0.019186
133	-0.002509	-0.003547	-0.012672	-0.019535	-0.055509	-0.0597	-0.041532	0.042996	0.025647	-0.060035	0.694373	-0.013011	-0.022284	-0.030222
134	0.012805	-0.032611	-0.010325	-0.039496	-0.037748	0.028297	-0.033325	-0.047425	0.000013	0.049549	-0.01719	0.525459	-0.001789	-0.005814
135	0.001564	-0.03174	-0.022026	0.005247	0.013609	-0.05329	0.036035	0.004492	0.026055	-0.037974	-0.03418	-0.000995	0.881072	-0.050765
136	-0.007139	-0.050164	-0.041256	0.022851	0.037643	0.009132	0.022641	-0.044561	-0.003475	-0.012404	-0.00214	-0.028081	-0.053973	0.689341
137	-0.013081	0.030987	-0.042587	-0.029106	-0.032437	-0.061846	-0.052802	-0.045028	-0.012095	0.000136	-0.015789	0.001268	0.024979	0.02207
138	0.005545	0.006252	-0.006919	-0.029721	-0.03125	-0.024991	-0.013096	-0.060747	-0.083492	0.015976	0.032391	-0.062661	-0.009217	0.007079
139	0.025789	-0.017614	0.023603	0.008633	0.033959	0.026498	0.064126	0.035721	-0.003119	-0.045701	0.008684	-0.048774	0.002619	-0.030462
140	0.006195	0.003517	-0.009745	0.015134	-0.00458	-0.012042	-0.03908	-0.001024	-0.035431	-0.035391	-0.061498	-0.028988	0.023598	-0.012822
141	-0.003666	0.025113	-0.013944	0.00725	0.028687	-0.039759	0.052355	-0.053923	0.055895	-0.047179	0.01586	0.037258	-0.04562	-0.004455
142	-0.047082	-0.006155	0.011447	-0.03665	-0.028001	0.002169	-0.01313	-0.042029	-0.012557	0.011445	-0.019838	0.048483	-0.013509	-0.02824
143	-0.049535	-0.064611	0.00999	0.046187	0.04043	0.022562	-0.05003	0.035741	0.0509	0.024116	-0.063548	-0.000108	-0.031486	-0.033495
144	-0.061075	-0.085278	0.033928	-0.01226	-0.007679	0.006853	-0.035189	0.010212	0.065777	0.037543	-0.002553	-0.024244	-0.040765	-0.071898
145	-0.063197	-0.019215	-0.01403	-0.041927	-0.021659	-0.010511	0.034657	0.027067	0.028324	-0.022382	-0.069828	-0.014833	-0.045416	-0.082266
146	-0.001995	0.013335	-0.053557	-0.024832	-0.014407	-0.064537	0.019697	-0.005772	0.013605	-0.056356	-0.04926	-0.017926	-0.058445	-0.02842
147	0.01264	0.016751	-0.031009	-0.031928	-0.004146	-0.005059	-0.037033	-0.083792	-0.013783	0.005249	0.019144	-0.039979	0.003911	0.02338
148	0.013822	0.014829	0.064968	-0.028082	-0.034573	-0.075476	0.02684	-0.041101	-0.015871	0.015038	-0.029533	0.077659	-0.026546	-0.004458
149	0.005392	0.006928	-0.001383	0.014369	0.012729	-0.027882	0.035776	0.038856	-0.003938	-0.001838	0.020158	-0.070265	-0.031088	-0.003126
150	0.008602	-0.022937	-0.090639	-0.033663	-0.024121	-0.016666	-0.053617	-0.110638	-0.025258	-0.036001	0.066898	0.014834	-0.029004	-0.011003
151	-0.027126	0.003973	0.007769	-0.007174	0.001579	0.051295	-0.001321	-0.046583	0.028385	0.022097	0.072474	-0.084288	0.03574	-0.016455
152	0.021919	-0.046837	-0.005695	0.006194	-0.030072	0.021393	-0.047793	-0.002979	-0.005307	0.037061	0.024054	-0.003464	0.00824	-0.023353
153	-0.0299	-0.013688	0.021207	0.030689	0.00778	-0.021741	-0.048169	0.010928	0.067042	-0.04299	0.026687	0.046835	-0.017107	-0.006006
154	-0.013935	-0.033782	0.011667	-0.012938	0.001016	0.006974	0.025263	-0.080627	-0.031735	-0.003968	0.062379	-0.001931	-0.021203	-0.065442
155	-0.017572	-0.012185	-0.061795	-0.014865	-0.025355	-0.008034	-0.029233	-0.002642	0.010422	-0.081194	0.012441	0.025571	-0.010557	-0.071959
156	-0.041314	0.009581	-0.056309	-0.015618	-0.004074	-0.067471	0.085332	-0.050907	-0.090597	-0.004153	-0.017298	0.019869	-0.059908	-0.04085
157	-0.019585	0.004679	-0.039168	-0.037565	-0.009436	-0.053833	0.0011	0.014723	0.063917	-0.018952	-0.008768	0.074348	-0.049206	-0.031432
158	-0.040871	-0.013523	-0.048643	-0.029402	-0.044562	-0.010228	0.058108	0.015851	0.034633	-0.000641	-0.010907	-0.028381	0.002871	-0.005527
159	-0.020521	-0.01063	0.028278	-0.007647	-0.023426	-0.031868	-0.010736	0.01736	0.076113	0.068599	0.014219	0.000599	-0.042937	-0.019548
160	-0.023209	-0.031299	0.003506	0.012828	0.000796	-0.012665	-0.057029	0.00833	-0.018698	0.0568	-0.079034	-0.001933	0.011363	-0.016319
161	-0.007196	-0.000086	0.021259	0.016385	0.002603	-0.049939	-0.061864	-0.036559	-0.000247	-0.018346	0.034914	0.054855	-0.011451	-0.000695
162	-0.005572	-0.059479	0.038833	0.053847	0.044168	0.023933	-0.010547	0.04695	-0.027855	0.032602	0.034212	-0.00372	-0.038805	-0.007194
163	0.023881	-0.03769	0.019333	0.002251	-0.015643	0.011449	-0.018074	0.011424	-0.024656	0.014028	0.001385	-0.003144	-0.044153	-0.028371
164	0.000142	-0.023325	-0.048703	-0.033691	-0.041881	-0.019206	-0.000357	0.056376	-0.06848	0.002997	-0.017679	0.016746	-0.004451	-0.033725

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
165	0.033217	-0.003255	-0.026462	0.004288	-0.019531	0.012742	-0.045428	-0.025578	0.058736	-0.038592	-0.034886	-0.025879	0.005021	0.014777
166	-0.023664	-0.072193	0.014406	0.00113	0.028739	0.04139	-0.041534	-0.069654	0.003627	-0.009483	-0.051195	0.009232	-0.024471	-0.033903
167	-0.021724	-0.035523	0.024479	0.024465	0.014638	-0.012933	0.005588	-0.042261	0.050523	-0.074801	-0.022929	0.027065	-0.029336	-0.070941
168	0.021093	0.010614	-0.02851	-0.009501	0.008098	-0.025724	-0.055113	-0.061901	0.035088	0.059623	0.006248	0.023796	-0.020472	-0.03246
169	0.005409	-0.009189	0.022519	0.004133	0.001626	0.028584	-0.006504	-0.01499	0.004316	0.016015	0.003137	0.009139	-0.00161	0.019376
170	0.006988	-0.007571	0.026294	0.008364	-0.000573	-0.000379	-0.004391	-0.048398	-0.005614	-0.007022	0.020702	0.006153	0.014186	0.028431
171	-0.025783	-0.011932	0.037804	0.003896	0.00788	0.023968	-0.010713	-0.00701	0.004962	0.01418	-0.000776	-0.005503	0.013863	0.024627
172	0.017356	-0.024659	0.009512	-0.000367	0.006331	0.024688	-0.004179	0.000208	0.026362	0.058227	-0.017433	0.00844	-0.003029	-0.016139
173	0.016821	0.034498	-0.009625	0.014379	-0.005771	-0.017961	-0.02297	-0.000661	0.037204	0.071117	-0.050641	0.010402	0.005646	0.025306
174	0.021943	0.020704	0.0022	0.00077	0.003677	-0.018103	0.00746	-0.028471	0.003522	-0.000524	-0.046945	0.010187	-0.019428	0.013264
175	-0.009816	-0.029536	0.00634	0.005519	-0.007123	-0.000514	-0.005398	-0.01306	-0.014633	0.006969	0.012656	-0.006007	-0.004178	0.033621
176	-0.038104	-0.064918	0.023865	-0.027171	-0.025212	0.052855	0.049975	-0.004095	-0.003384	-0.001152	-0.046787	0.033046	0.01506	-0.028174
177	0.032705	-0.056343	0.028331	0.012947	0.028762	-0.015858	0.083843	0.000625	0.001489	0.000163	0.041018	-0.042882	-0.056919	-0.021227
178	-0.013962	-0.02361	0.038198	-0.002589	-0.006542	0.033114	-0.003667	0.026015	0.016091	0.040859	-0.037894	0.026834	-0.001423	0.021728
179	-0.008774	0.01069	0.034431	0.022311	0.016785	-0.005279	0.00804	0.003173	-0.016747	-0.017335	-0.004621	0.031882	0.01099	0.008713
180	-0.008506	0.019145	0.001382	0.015107	0.01163	0.019309	0.005277	-0.000684	0.014061	0.010952	-0.009876	0.015838	0.008963	0.003654
181	-0.003462	0.01287	0.017462	0.026053	0.015123	0.008698	0.020841	0.000624	0.009276	-0.0267	-0.012846	0.014047	0.021048	0.009059
182	0.015998	-0.002848	0.037285	0.019019	-0.002278	-0.012282	0.016153	-0.017212	0.025433	-0.028213	-0.019488	0.015524	0.035653	0.024003
183	-0.011615	0.00717	0.030181	0.017853	0.025547	-0.045056	-0.003141	0.027065	-0.014246	-0.038721	0.036076	-0.000144	0.02031	-0.000608
184	-0.035817	0.014584	-0.009827	-0.00522	0.013432	-0.020696	-0.018088	0.039231	-0.001579	-0.039986	0.037102	-0.03114	0.0049	-0.019233
185	-0.01804	0.024118	-0.030146	-0.042528	-0.016515	0.029698	0.06577	0.078007	0.043569	0.032457	0.04763	0.004819	-0.010451	0.018009
186	-0.010769	-0.000987	0.013334	0.026181	0.051891	0.07765	-0.025981	-0.134249	0.012933	0.022988	0.04265	-0.020614	0.02472	-0.061737
187	0.040398	0.012474	-0.031566	-0.0013	0.005721	0.005483	-0.006894	-0.008342	0.031415	0.032757	0.009123	-0.009105	-0.004645	-0.035161
188	0.034848	0.018116	-0.006789	-0.001004	0.010261	-0.001462	0.013545	-0.002163	0.010708	-0.008945	0.013808	0.03028	-0.0179	-0.028012
189	-0.020117	0.001933	0.02972	-0.025134	-0.000621	-0.008624	0.02935	-0.020614	-0.058323	-0.04435	0.028973	0.017818	-0.011708	0.000026
190	-0.018662	-0.013639	0.00551	0.004861	0.018203	-0.00403	-0.012065	-0.003987	0.006289	-0.000221	-0.014367	-0.04532	0.023077	-0.004544
191	0.001271	0.000845	-0.004401	0.019485	0.037702	-0.024388	0.002703	0.004179	-0.02259	-0.04814	-0.021256	-0.031229	-0.014803	-0.03095
192	0.036117	-0.007858	0.001158	0.009141	-0.01607	-0.014623	0.062245	-0.028171	-0.011467	-0.002344	0.008068	-0.003293	-0.015921	-0.039563
193	0.004823	0.002655	0.0179	0.047166	0.007532	-0.028757	0.037347	0.011238	-0.010757	-0.015232	0.004267	0.021341	0.002246	-0.007615
194	-0.04083	-0.011195	0.014136	0.022	0.026477	0.032173	0.003414	0.054047	-0.005629	-0.035399	0.040681	0.016376	-0.009052	0.008617
195	-0.038028	0.00431	-0.007683	0.025944	0.039438	0.007742	-0.007775	-0.003261	-0.058943	-0.01979	0.002442	-0.018403	0.007185	-0.016279
196	-0.010112	-0.002007	0.008451	0.010927	0.00867	0.030726	0.003173	-0.001146	0.036118	-0.008168	-0.017383	-0.07002	0.012198	-0.010294
197	0.007862	0.008337	0.023592	0.023764	0.018138	-0.045311	0.046247	-0.004372	-0.01348	-0.030744	-0.037464	-0.069813	-0.005353	0.024064
198	-0.00287	-0.019068	-0.001557	-0.029802	0.01333	-0.048682	0.031006	-0.030478	-0.024995	0.025419	0.010767	-0.007074	-0.028234	0.020824
199	-0.005591	0.015522	-0.020659	-0.013816	-0.015559	-0.007209	-0.105467	-0.009989	-0.048719	-0.022507	0.013266	0.036243	0.004548	0.002645
200	0.02797	-0.013582	0.00791	0.034863	0.025871	-0.038149	-0.052423	0.037438	0.004798	-0.021196	-0.039616	0.005585	-0.025986	-0.000032
201	0.017882	-0.006532	-0.001394	0.007675	0.002463	0.011721	0.017345	0.080325	-0.001527	-0.057481	-0.011157	-0.036811	-0.02188	-0.014123
202	0.007934	-0.01681	0.035015	0.010559	0.031008	-0.032856	-0.032012	-0.033316	0.000902	0.039014	-0.043133	-0.012513	-0.022377	-0.009134
203	0.014872	0.019001	0.013771	-0.009216	-0.00323	-0.030077	-0.060651	0.072202	-0.039743	0.0129	-0.00064	-0.012429	-0.004087	0.05427
204	0.03354	-0.009518	-0.008047	0.002008	-0.001888	-0.037644	-0.108376	0.049921	0.047007	-0.018746	0.044008	-0.021199	0.003272	0.021752
205	-0.011333	0.014703	0.002448	-0.020985	-0.037595	-0.03973	0.013575	0.039538	-0.011995	-0.030802	-0.030299	0.041795	0.012892	0.034484

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
206	-0.041376	-0.014987	-0.015817	-0.014432	0.003398	0.059814	-0.021724	0.047974	-0.085231	0.056534	0.024313	-0.024089	-0.016636	0.021956
207	-0.01821	-0.007614	-0.008995	0.025766	0.007385	0.011103	0.054017	0.020097	-0.002958	-0.016361	0.0167	0.053104	0.028052	0.030815
208	0.039852	0.019864	-0.05271	0.01066	0.000598	0.000255	-0.076399	-0.067722	-0.072882	0.040758	0.008964	-0.029611	-0.007618	0.021425
209	0.034694	0.002608	0.009896	0.050915	0.034334	0.016758	0.018128	0.006671	0.051236	-0.005321	-0.027663	-0.076223	-0.043665	-0.030483
210	-0.020742	0.012885	-0.077592	-0.022248	-0.019436	-0.010737	-0.026495	0.070859	-0.027085	-0.04057	0.033627	-0.009317	0.022599	-0.026994
211	0.007808	-0.008023	-0.004644	-0.021458	-0.001382	-0.045252	-0.030645	0.020274	-0.02258	0.103469	-0.008095	-0.026977	-0.039602	0.001856
212	0.047715	-0.002029	0.013154	0.032278	0.05721	0.008953	0.00405	0.058405	0.003799	0.030722	0.016786	-0.029754	0.013654	-0.015215
213	-0.002442	-0.004883	0.011326	0.005949	0.028488	0.074424	-0.020896	0.071118	0.029987	-0.005519	-0.059585	-0.052704	0.042238	-0.002509
214	-0.045279	0.012955	0.019883	-0.002589	-0.007266	0.003603	-0.003846	0.010338	-0.003259	0.008729	-0.007745	0.040787	0.001389	-0.025
215	-0.018865	0.025525	-0.041898	0.046726	0.035017	0.029412	-0.050956	-0.00357	0.025092	-0.0414	0.005346	-0.012333	0.00284	0.014852
216	-0.017211	-0.03881	0.005925	-0.008258	0.002205	0.001374	0.008335	-0.017328	0.032871	0.027008	0.002983	-0.005171	-0.038574	-0.005854
217	0.015691	-0.025655	0.017432	0.002231	-0.00173	-0.000598	-0.011951	0.00845	-0.042845	0.010206	0.061221	0.026792	0.011414	0.017876
218	-0.032093	0.019189	0.016084	0.030237	0.012917	-0.010394	0.018031	0.033614	0.003795	-0.033112	-0.029757	0.010511	-0.016806	0.011892
219	-0.039613	0.010498	0.019576	0.015477	0.017524	0.006889	0.055523	0.001473	0.004773	-0.021672	-0.004564	0.013386	-0.022897	-0.017823
220	-0.00388	-0.038662	-0.026351	-0.012908	-0.017939	-0.006644	0.016844	0.011835	-0.023097	-0.022106	0.008977	-0.055063	0.006751	0.019202
221	0.007763	0.010083	0.01156	-0.005707	0.003542	-0.003247	0.059052	-0.002061	0.007584	0.022584	-0.025777	0.006692	-0.011038	0.031582
222	0.037189	0.017426	0.001945	0.019324	-0.037113	0.007807	0.004073	-0.00561	0.036322	0.041974	-0.021242	-0.018378	-0.014222	0.00163
223	-0.012249	-0.000403	-0.007171	0.01375	-0.044184	0.014869	-0.0274	-0.008784	0.047171	-0.00705	-0.025327	0.010426	0.023579	0.018116
224	0.003491	0.005763	-0.015902	-0.01247	-0.005344	0.014635	0.048767	-0.027927	-0.006502	0.005441	-0.002542	-0.004338	-0.002682	0.007882
225	0.008534	0.035899	-0.022	-0.012324	-0.012706	0.006307	0.009039	-0.036641	0.010821	0.021349	-0.010476	-0.005866	0.006799	0.009371
226	-0.014303	-0.000549	-0.002079	-0.003396	0.011753	-0.008068	-0.04713	-0.012582	-0.005852	-0.017649	-0.004274	0.001037	0.008588	-0.002218
227	-0.016603	-0.010368	-0.024392	0.003979	0.024606	0.01573	-0.004151	0.02656	0.021875	-0.029859	0.044426	-0.019631	-0.014735	0.003773
228	0.000236	-0.007376	0.009074	-0.017571	-0.011325	-0.018681	-0.043108	-0.006468	0.009991	-0.045047	0.017374	-0.01444	0.015904	-0.00055
229	0.006729	-0.009019	-0.008528	-0.003118	-0.012295	0.027173	0.063048	0.016525	0.012155	-0.025341	0.037789	-0.040513	-0.011163	0.004505
230	0.037057	-0.019774	-0.03498	0.006401	-0.001621	-0.052586	0.0019	0.00048	0.051739	-0.010388	-0.001789	-0.050381	-0.032306	-0.013759
231	0.053942	0.009161	-0.015104	0.028056	0.038677	-0.03628	0.010826	-0.005847	0.008542	-0.021768	0.014372	-0.043638	-0.001745	-0.021774
232	0.007192	0.048364	-0.045835	0.028281	0.015704	-0.02498	-0.010072	-0.032242	0.019175	0.016194	0.044718	0.013067	0.001445	0.032366
233	0.00819	-0.004959	0.01305	-0.021568	0.029575	0.019224	0.031662	0.055788	-0.031857	0.004554	0.039911	-0.062623	-0.023168	-0.023153
234	0.009299	0.009659	-0.015281	-0.010327	0.005035	-0.003996	0.014596	-0.012566	0.001166	-0.051994	-0.042617	-0.008413	-0.012102	0.003166
235	0.026159	0.037621	-0.005817	0.008031	0.019479	0.009449	0.04151	-0.012615	-0.001861	0.016041	0.001601	0.048266	-0.012955	-0.001246
236	0.008433	-0.019373	-0.022012	-0.001628	0.009693	0.006967	0.025704	0.006357	-0.013329	-0.001018	0.008241	-0.023518	0.003542	-0.00591
237	0.015922	0.010159	0.000912	0.020993	0.020772	0.020512	-0.014341	-0.026071	-0.001877	0.007365	0.026016	-0.023652	-0.002116	-0.016695
238	0.001511	0.017598	0.000656	0.019336	0.013983	-0.000906	0.033864	0.007806	-0.00924	-0.038076	0.010953	-0.038377	0.003601	-0.018495
239	-0.004858	0.01862	0.007171	0.008048	0.01024	-0.00144	0.019834	0.028632	0.010105	-0.007567	-0.004977	-0.011668	0.001556	-0.03089
240	-0.017783	0.008209	0.033335	-0.038218	-0.000856	0.006169	-0.003896	0.019001	-0.022116	0.014006	0.025453	0.00153	0.007476	0.029757
241	-0.000127	-0.018865	0.015549	-0.039131	-0.008572	0.014165	-0.004678	0.01728	-0.010788	-0.004271	-0.002663	-0.05404	-0.010298	-0.011472
242	0.0098	-0.004568	0.006417	-0.000566	-0.004416	0.006919	0.036652	-0.011408	-0.006039	0.014221	-0.023913	-0.015904	0.006113	0.043573
243	-0.006528	0.001439	0.012908	0.000518	-0.008956	-0.00036	0.014908	0.01515	0.001876	0.011578	0.025341	0.050224	-0.015589	0.034021
244	0.005212	0.015012	-0.002501	-0.008737	0.011319	-0.006482	-0.010389	0.017279	0.017087	0.022468	-0.012967	0.025526	-0.004441	0.022122
245	0.012936	0.024763	-0.006195	0.020067	0.025393	-0.001889	0.017512	0.061471	0.035866	-0.032924	0.006215	0.042415	-0.01063	0.026344
246	-0.013714	-0.002782	-0.016303	-0.0191	-0.019087	0.011864	0.013437	0.014069	0.00824	0.007496	0.001641	-0.023533	0.00744	-0.011903

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
247	-0.008946	-0.011427	-0.023094	-0.026963	-0.014127	0.020541	-0.007241	0.024886	0.002137	0.002296	0.006724	-0.025743	0.015058	-0.019809
248	-0.000574	0.006883	-0.01011	0.022503	0.018024	-0.01526	0.009394	-0.020109	-0.010568	-0.043458	0.036764	-0.033638	0.002251	0.00533
249	0.007864	0.005639	0.018644	0.010922	-0.033341	-0.015478	-0.014604	-0.002461	-0.012038	0.011241	0.030306	-0.026612	-0.013121	-0.030908
250	-0.034129	-0.006869	-0.002017	-0.022993	-0.014929	0.009459	-0.001567	0.027295	0.002369	0.000404	0.009094	0.009595	0.009312	0.010923
251	0.003836	0.02485	0.008828	-0.013797	-0.008314	0.000921	0.008289	-0.00738	0.022598	0.015454	0.009069	0.001633	0.017096	0.0509
252	0.017859	0.012712	0.004256	0.019003	0.005366	-0.018788	0.035737	0.060826	0.039504	-0.006402	-0.022162	0.029402	-0.000116	0.032391
253	0.008585	0.000399	-0.011912	0.007199	-0.021734	-0.000484	-0.008111	0.021793	0.012909	-0.004224	0.048389	0.031494	0.006975	0.023746
254	-0.002883	0.000593	0.00454	-0.003733	-0.027978	0.030166	-0.023666	-0.030388	0.048954	0.002629	0.006092	0.008463	0.012773	0.006336
255	0.027525	-0.013013	0.01452	-0.028909	-0.002294	-0.005593	0.022821	-0.036857	0.018635	0.01433	0.00032	-0.009436	-0.000864	0.030566
256	0.050294	-0.001582	-0.022282	0.01528	0.020243	-0.024177	0.039125	0.026587	0.02291	-0.033181	-0.010493	0.0096	-0.034662	0.022541
257	0.003947	-0.009084	-0.018925	-0.008215	-0.015385	-0.000816	0.024055	-0.006711	-0.01684	0.018265	-0.010579	0.020529	0.015563	-0.014585
258	0.006544	0.015002	-0.022297	-0.018168	-0.014952	0.035415	-0.006122	-0.040205	-0.005187	0.004453	0.01036	0.031239	0.013319	-0.001009
259	0.006703	0.002587	0.02837	0.00965	-0.038526	0.010012	0.003759	-0.019089	0.021833	-0.005054	0.018877	0.010258	0.008437	-0.005784
260	0.007882	0.000118	-0.01081	0.029878	-0.009914	0.001603	0.002329	-0.030182	0.032161	0.024129	-0.003884	0.060365	0.010476	-0.04539
261	-0.011388	0.013557	0.011304	0.014283	-0.005899	0.011228	0.020843	-0.022261	0.032035	-0.0151	0.02309	-0.011273	0.018689	-0.003821
262	0.001499	-0.016646	0.002423	-0.003982	-0.013029	-0.014459	0.019817	0.028855	0.035083	0.033762	-0.011834	-0.039537	-0.006565	-0.005677
263	0.019479	-0.014601	0.010612	0.018645	0.001355	-0.028865	0.026056	0.02118	0.01902	0.004847	-0.017051	-0.017545	-0.01209	0.004788
264	0.039287	-0.010649	0.022851	0.021216	-0.007202	0.041161	0.011672	-0.016508	0.021845	0.053273	0.025778	-0.004621	-0.014013	-0.045839
265	-0.00493	-0.007567	0.007212	-0.002427	-0.021153	0.031415	-0.065633	0.009792	-0.004225	0.022117	0.018924	0.026819	0.007632	-0.019593
266	-0.011465	-0.002795	-0.005237	-0.02121	-0.029819	-0.010252	-0.060027	0.004799	-0.019622	0.008922	0.000995	0.004614	0.005516	0.021087
267	-0.017322	-0.007711	0.003017	0.010759	0.010908	0.00479	-0.053749	-0.034993	-0.026945	-0.026546	0.016587	0.039499	0.00863	0.008627
268	-0.008639	-0.001057	0.001969	-0.0065	0.005958	-0.007667	-0.066162	0.005843	-0.006954	0.00602	-0.027782	-0.001046	0.001922	0.001587
269	-0.007874	-0.005728	0.005873	0.003758	0.005319	-0.01795	-0.043845	0.000169	-0.014005	0.001236	-0.021556	-0.001913	-0.000754	0.013675
270	-0.019154	-0.025081	0.014611	0.011965	0.015144	-0.017839	-0.028067	-0.001771	-0.007781	-0.019127	0.006277	-0.001285	-0.010581	0.014658
271	-0.015632	0.010861	0.001866	-0.025253	-0.029691	-0.006822	-0.072613	0.059819	0.033699	0.016859	-0.024678	-0.00135	0.025242	-0.008079
272	-0.009237	-0.010371	0.017467	-0.009819	-0.015671	0.010089	0.045604	-0.007584	-0.02284	-0.039907	-0.002713	0.019684	0.017675	0.013307
273	0.015751	-0.021651	0.002236	-0.000735	0.001996	-0.003422	0.002817	0.005428	-0.005301	-0.020778	0.000566	-0.029761	0.00035	-0.01625
274	0.016801	-0.028347	-0.002142	-0.00444	-0.002838	0.002543	0.01124	-0.002124	-0.014159	-0.015129	0.003601	-0.031758	0.003351	-0.023085
275	-0.000554	-0.025106	-0.014309	0.016229	0.00383	-0.034498	-0.013158	0.021564	0.048497	-0.032093	0.007148	0.001363	-0.032382	0.006026
276	-0.006995	-0.008007	-0.004308	-0.018265	-0.011451	0.032838	0.063789	0.013295	-0.019094	-0.011147	0.004632	-0.010404	0.001758	-0.010234
277	0.023756	0.009152	0.028493	0.043486	0.045846	0.006341	-0.037418	-0.030992	-0.050056	0.016298	0.019014	0.049009	0.009631	-0.005172
278	0.006386	0.021658	0.035062	0.021378	0.014062	-0.021305	-0.030389	-0.002904	-0.012441	0.00203	-0.004866	0.03958	0.012681	0.020766
279	-0.021845	0.019574	0.026408	0.032719	0.024457	-0.018532	0.029497	0.010645	0.00372	-0.019835	-0.009477	-0.004131	-0.010503	-0.008374
280	0.023875	-0.00057	0.042831	0.004464	-0.012661	0.011568	-0.008527	-0.023655	0.016738	-0.000106	0.032866	0.00829	-0.014577	0.053081
281	-0.013669	0.005628	0.000066	0.005284	0.007485	-0.000075	-0.000654	-0.03131	-0.016796	-0.007626	0.021169	-0.025571	-0.002229	-0.003651
282	-0.009732	-0.000659	0.027169	-0.003187	-0.023178	-0.00844	0.000287	0.032876	0.025116	0.020428	-0.032997	-0.006797	0.001533	0.033436
283	-0.040319	-0.018386	-0.014211	-0.005592	0.000405	0.007749	0.035213	-0.024387	0.012195	0.012827	0.019314	-0.011397	-0.008201	-0.022397
284	-0.000954	-0.000405	-0.013983	0.003343	-0.00282	0.005736	0.034408	-0.00515	-0.009605	0.018711	-0.019096	0.027625	0.001054	-0.02692
285	0.003321	0.003975	-0.03225	-0.00056	-0.019551	0.000615	0.012559	-0.009522	0.021222	0.036136	-0.025926	0.02901	0.010749	-0.034236
286	0.008364	0.038306	-0.007686	0.003824	-0.014423	0.018277	0.000596	0.019864	0.026451	0.002956	-0.005597	0.01708	-0.003175	-0.001801
287	-0.008201	0.018402	-0.015763	-0.023381	-0.038804	-0.000314	-0.000376	-0.012364	0.032596	0.011868	-0.017183	0.039961	-0.007442	0.014149

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
288	0.001394	0.025451	-0.017769	0.008408	0.010011	0.01338	0.011211	-0.050863	0.006043	0.035669	0.029383	0.00933	-0.01161	0.006289
289	-0.007282	-0.031217	-0.008822	-0.016301	-0.015907	-0.010059	-0.023826	0.024945	-0.013048	0.040802	-0.015048	-0.016942	-0.012445	0.008514
290	-0.012828	0.007107	-0.001639	0.002507	-0.011748	0.021363	-0.03581	-0.013898	0.032522	0.019568	0.044263	-0.006495	0.004846	0.045675
291	-0.013079	0.006497	0.005851	0.005873	-0.009632	0.025598	-0.036115	-0.004684	0.041174	0.026621	0.043604	-0.006139	0.004446	0.051335
292	-0.017642	0.013149	-0.005302	0.002715	-0.013501	0.027857	-0.025181	-0.008213	0.03561	0.028845	0.048006	0.012064	0.00224	0.028146
293	0.020623	0.037106	-0.01219	0.024138	0.02467	-0.013778	-0.016347	0.042705	0.027717	0.007482	-0.000955	0.017436	0.006897	0.030504
294	0.014416	0.004757	-0.008132	0.016286	0.021837	0.035463	-0.005444	0.043902	-0.000714	0.021966	0.000809	-0.028268	-0.026747	-0.017366
295	0.012691	-0.014102	-0.000324	-0.00087	-0.010309	-0.006569	0.039142	0.03332	0.011647	0.013531	0.026039	-0.029285	0.002335	-0.00502
296	0.023613	-0.010769	-0.010683	0.015535	-0.00267	0.020449	-0.012704	0.013176	0.010069	0.007126	0.013902	-0.03035	0.01297	0.017519
297	0.019834	-0.020431	0.008544	-0.002081	-0.018623	-0.005356	0.065976	0.014292	-0.009448	0.020127	-0.019838	-0.038554	-0.006832	-0.024026
298	0.004714	-0.000105	0.036211	0.01562	0.012255	0.011707	0.030671	-0.017713	0.007431	-0.033297	0.026792	0.019982	0.00488	-0.007472
299	0.037155	0.00472	-0.023496	0.003022	-0.011453	-0.010271	0.01229	0.002135	0.005314	0.027515	-0.007289	-0.035972	-0.002213	-0.003933
300	-0.025163	-0.034512	0.027431	-0.02977	-0.007741	0.018308	0.008113	0.023317	0.035702	0.013836	0.003251	-0.071659	-0.035595	-0.054465
301	0.018332	0.008182	-0.017849	0.001248	-0.009962	-0.017337	0.046293	0.005224	0.007274	0.043951	0.006384	-0.002015	0.000259	0.01447
302	0.005981	-0.019967	0.000757	0.000783	-0.014857	0.009378	0.022097	-0.015197	0.026455	0.035262	0.031121	-0.038365	-0.011006	0.01505
303	0.006946	0.027774	-0.04502	-0.013455	-0.021115	0.031119	-0.003449	0.062348	0.030526	0.03385	-0.00035	0.017862	-0.004966	-0.008859
304	0.027252	0.013762	-0.017501	0.024594	0.010755	0.007644	0.0147	0.028148	0.020411	-0.014801	0.02282	-0.010445	-0.014661	0.014439
305	-0.015121	-0.026034	-0.01932	0.007811	0.000033	-0.000774	-0.03626	0.064586	0.030133	0.015161	-0.020532	0.01396	0.02005	-0.028158
306	-0.02037	0.001187	-0.025154	-0.021095	-0.015649	0.00485	0.007466	0.026822	-0.007731	-0.00973	-0.052068	-0.019837	-0.003967	0.028429
307	-0.04695	0.007351	-0.023658	-0.017178	-0.008186	0.029356	0.014436	0.048813	-0.055808	0.001982	-0.012727	0.012615	0.019138	0.024286
308	0.041654	-0.007906	-0.014489	0.026776	0.016487	-0.02851	0.034484	-0.029142	0.028075	-0.009472	-0.069734	-0.037951	-0.021031	-0.027133
309	0.004379	-0.001123	0.010419	0.011536	0.009789	-0.004805	-0.004689	-0.019284	0.017918	0.009033	-0.021664	-0.006308	-0.009201	-0.002273
310	0.013225	0.006426	-0.035494	0.0289	0.02357	0.002447	-0.016644	0.042284	0.004883	0.003239	-0.034712	-0.006384	-0.009984	-0.007918
311	-0.007781	0.002498	0.029715	0.006402	0.007789	0.018578	-0.055985	0.018282	0.007254	0.029663	0.038151	-0.006581	0.010816	0.023253
312	0.026747	-0.00245	-0.033954	-0.012619	0.005198	0.030734	-0.019712	-0.02521	-0.036277	-0.007936	-0.013744	0.009221	-0.024926	0.011005
313	0.018982	-0.013632	0.006104	0.000844	0.004087	0.001956	0.009515	0.000245	-0.037431	-0.017574	-0.029885	0.008427	-0.012081	-0.005637
314	0.018051	-0.012908	-0.049046	-0.012953	-0.015145	0.019102	-0.031145	-0.012396	0.023801	-0.074399	0.004599	0.033361	-0.003385	-0.006734
315	-0.002157	-0.004697	-0.007825	-0.018086	-0.014969	0.011421	-0.013421	-0.013338	-0.009808	0.014571	-0.010363	0.006382	0.002752	0.013785
316	-0.013592	-0.016837	0.007159	-0.014885	-0.035891	-0.000321	0.024789	-0.00648	0.06829	-0.046039	-0.024369	0.025077	-0.020087	-0.023151
317	-0.01168	0.008542	0.000339	0.012266	0.015876	-0.012702	0.009211	-0.008997	0.017108	0.011932	0.010187	0.053198	0.007596	0.016291
318	0.006553	-0.003472	-0.014218	-0.017291	0.009084	0.013094	0.01746	-0.019478	0.023177	-0.020784	0.036598	-0.000299	0.0064	-0.028831
319	0.004358	0.010791	-0.01503	-0.001654	-0.008676	0.015363	0.005498	-0.036171	0.013333	0.038514	-0.01923	0.015348	-0.006459	0.00833
320	0.014998	0.002831	-0.000303	-0.010176	-0.008854	0.020957	-0.016515	-0.010775	-0.000521	-0.014781	-0.027105	0.011256	0.008496	0.040333
321	0.012654	-0.018481	-0.049861	-0.028877	-0.033129	-0.026197	0.019796	0.055606	-0.011699	-0.028644	-0.016999	-0.022261	-0.020889	-0.027783
322	0.035951	-0.024353	0.051534	0.024013	0.033337	-0.00512	-0.013769	0.025395	-0.005512	-0.063171	0.056546	-0.03774	0.009661	-0.023184
323	0.010545	-0.016657	0.033245	0.004399	-0.009337	0.002858	0.002479	0.009504	-0.039942	-0.049911	0.032591	0.050173	0.00982	0.011868
324	-0.035959	0.005818	0.021174	0.025115	0.033051	0.003055	-0.020862	-0.052143	-0.062937	-0.061498	0.017879	-0.053713	-0.034433	-0.017122
325	-0.029211	0.014988	-0.008598	-0.013261	-0.009118	0.025054	0.019634	0.000425	-0.001102	-0.02742	-0.00901	-0.009401	-0.006075	-0.001798
326	-0.024379	-0.005042	-0.005797	-0.009071	0.017786	0.029599	-0.026398	-0.008235	-0.019989	0.032906	0.057089	-0.003506	-0.003294	-0.005279
327	0.021677	0.00154	-0.01718	0.016166	0.008803	0.017984	0.009287	-0.021096	0.020649	0.018877	0.016639	-0.01191	0.005949	-0.00962
328	0.028751	-0.002704	-0.000085	0.024055	0.005994	0.005344	-0.085925	0.078482	-0.053501	0.001582	0.012604	-0.027265	0.016005	-0.015653

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
329	0.016601	0.001225	0.008718	0.017083	-0.002626	0.033427	-0.005843	0.067295	-0.002541	0.064407	0.036799	0.010685	0.005415	-0.001565
330	-0.019356	-0.03803	0.01392	-0.001652	-0.014105	-0.022744	0.036572	-0.048179	0.082089	-0.03069	-0.001219	0.04195	-0.045438	-0.002469
331	-0.0144	0.008516	-0.003655	-0.003115	-0.0016	0.046506	-0.006856	0.036688	0.003569	0.022499	-0.010544	0.004152	-0.021698	-0.002239
332	0.016971	-0.01718	0.040197	0.026452	0.021583	0.040678	-0.040253	-0.092594	0.006499	0.067722	0.039956	-0.03719	0.001386	0.020153
333	-0.016408	0.010825	0.005931	0.004997	0.003636	0.016278	0.024721	0.003274	-0.020651	0.002059	0.006945	0.002481	-0.010823	0.018072
334	-0.018888	0.024836	0.05039	0.006984	-0.009908	0.052279	0.004503	0.0226	0.019552	0.018348	-0.032091	-0.012761	-0.01048	0.006794
335	0.000147	0.012374	-0.013955	0.019475	0.010899	0.002981	0.019517	0.002403	-0.000511	-0.008659	-0.013717	0.010946	-0.033573	0.000715
336	-0.001539	-0.005654	-0.043412	-0.01056	0.02019	-0.012265	0.001007	-0.026335	0.02076	0.00104	0.046521	0.022168	-0.013346	-0.016116
337	0.009499	0.034721	-0.03455	-0.006817	-0.006255	-0.017265	-0.008427	-0.025781	-0.008432	-0.005336	0.021038	0.020786	0.005578	0.024251
338	0.000287	0.012796	0.045078	0.019451	0.013285	0.033649	0.035397	-0.00555	0.005032	0.036732	-0.009145	-0.048728	0.02225	0.059187
339	-0.040317	0.028364	0.008716	0.017586	0.016679	0.054705	-0.056804	0.003039	0.069874	-0.012734	0.002354	0.036166	0.027372	0.026158
340	0.024389	-0.016025	0.003555	-0.008109	0.016463	-0.007198	-0.0127	-0.007715	0.032816	-0.007527	-0.055424	0.083325	0.035169	-0.030413

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
1	0.030347	0.011698	-0.119222	-0.064858	0.002395	0.149015	0.06372	0.073169	0.037467	0.005958	0.012563	0.030799	-0.02707	0.012415
2	-0.04358	-0.001419	0.054439	0.168452	-0.010763	-0.059081	0.051161	-0.045237	-0.10014	-0.034572	-0.061444	0.082545	-0.040771	-0.073161
3	0.003573	0.018308	-0.043102	-0.027047	-0.020555	-0.078736	-0.007811	-0.056487	0.059494	0.029181	0.065322	-0.119391	-0.056395	0.00546
4	-0.042143	-0.152268	-0.0359	0.012071	0.096826	-0.019829	0.052938	0.030297	-0.021462	0.006548	-0.023353	-0.10117	0.026575	0.009705
5	-0.057521	0.110307	0.014143	0.035882	0.029306	0.043901	0.015192	-0.00165	-0.000484	-0.00683	-0.021993	-0.004596	0.007607	0.001175
6	0.007948	0.059805	-0.084963	-0.04375	0.00028	-0.016745	-0.080037	0.043631	0.091965	0.005284	0.009664	-0.013354	-0.022319	-0.017673
7	-0.051108	-0.025479	-0.033932	-0.109882	0.106668	-0.06284	0.01166	-0.038962	-0.100351	-0.041408	-0.06393	-0.014906	0.036333	0.005199
8	0.025044	-0.023669	0.012743	-0.021394	-0.073817	0.004444	-0.005316	-0.053305	0.085141	0.063549	0.040735	-0.032919	-0.042825	0.021527
9	0.038826	-0.038179	0.123381	0.006798	0.017573	0.003519	0.009375	0.030922	-0.073621	0.014047	0.020687	-0.050042	0.050008	0.020218
10	0.025566	0.006386	-0.068169	0.094028	0.005312	-0.029653	0.040089	0.009099	0.051566	0.031501	0.039006	-0.05403	0.068578	0.061408
11	-0.008661	0.059305	-0.057233	-0.045564	-0.037493	-0.00942	-0.038622	-0.039987	-0.038946	-0.004395	-0.061315	-0.011652	-0.103182	0.093725
12	-0.015914	0.022172	0.070978	0.069609	-0.004995	0.040685	0.031705	0.003271	0.005154	0.016746	0.021731	0.028008	0.043564	0.069266
13	0.041787	-0.033242	0.104064	0.054428	0.006304	0.031622	0.056995	0.061032	0.036276	-0.01414	0.042235	-0.046434	-0.042646	0.068138
14	0.147782	0.070282	-0.069268	0.050363	0.006037	-0.012574	0.003966	0.030717	0.007597	-0.04409	-0.073075	0.148412	0.076376	-0.007674
15	-0.057487	-0.095325	-0.096914	0.057286	0.028442	0.030981	0.075745	0.043446	0.032067	0.00477	-0.03137	0.122214	-0.000237	-0.078883
16	-0.02972	0.009749	0.009662	0.03334	0.014883	-0.020742	0.03976	-0.020856	0.028282	-0.010687	-0.051179	0.025456	0.044792	0.079165
17	-0.00854	0.000726	0.055743	-0.029231	-0.042851	-0.038785	-0.000276	-0.07219	-0.032001	-0.018121	-0.013487	-0.054821	-0.053514	0.070304
18	-0.010937	-0.0017	0.088046	-0.041366	0.002984	0.000032	0.003795	0.008557	0.071502	0.009153	0.036466	-0.064481	-0.046784	-0.038902
19	0.015234	-0.006872	0.034198	0.022213	-0.024508	-0.00539	0.001186	-0.057651	0.039961	0.013421	0.046484	-0.024925	-0.035736	0.126041
20	-0.020492	-0.068327	0.13278	-0.003538	-0.077589	0.061537	-0.006444	-0.052919	-0.0195	-0.067331	-0.081731	0.122986	0.033993	-0.155617
21	-0.057934	-0.113839	0.040213	0.058076	0.041916	0.027191	-0.045792	-0.001538	-0.027346	0.016132	-0.095823	-0.146548	-0.045114	-0.101554
22	-0.003197	0.109257	-0.061381	0.07185	0.058746	0.051608	0.0668	0.025002	0.009981	-0.02923	-0.051289	-0.005079	0.077024	0.027222
23	-0.083249	-0.073811	-0.0342	-0.027332	0.00983	-0.049218	-0.014173	0.027028	0.038687	-0.019535	-0.012118	0.016516	0.019653	0.012132
24	-0.054909	0.033858	0.116829	-0.005271	-0.001835	-0.017818	-0.039491	-0.092344	-0.022228	0.018923	0.025026	-0.038757	0.103911	-0.020371
25	-0.032768	0.124745	0.052581	0.035991	0.110297	0.050826	-0.050448	0.049336	-0.037214	0.055106	0.065334	0.074161	0.045548	0.029247
26	-0.023748	0.073265	-0.052883	0.101229	0.034034	-0.038083	-0.040237	-0.039585	-0.113528	-0.022458	0.028275	-0.058737	0.031204	-0.050461
27	-0.059168	-0.003519	-0.051254	-0.042529	0.054275	0.044196	0.024249	0.007399	0.092726	-0.035224	-0.043529	-0.138035	0.064925	0.017425
28	-0.007204	-0.040891	0.017309	-0.031029	-0.202232	-0.03301	-0.073995	0.018024	0.095255	-0.002677	-0.006131	0.100151	0.047924	0.009217
29	-0.006725	0.066974	-0.065378	-0.020177	0.029662	0.013065	-0.029237	-0.005685	0.013454	0.003507	0.051391	-0.045123	0.010761	-0.024457
30	-0.00031	-0.177956	-0.001142	0.037373	-0.062088	0.093054	-0.004246	0.005561	0.028706	0.01089	-0.072063	-0.176048	0.076926	0.041227
31	-0.036706	0.110013	0.045129	-0.023066	0.033468	0.012202	-0.00298	0.018714	0.018574	0.032699	0.010899	-0.05479	-0.118541	0.02822
32	0.019164	0.00559	0.046767	0.028435	-0.024207	0.022752	-0.078482	-0.083746	-0.091587	0.054199	0.004118	-0.108919	-0.011819	-0.061171
33	0.014683	-0.057149	-0.062908	-0.131025	-0.050937	-0.03846	-0.004662	0.036883	0.053031	-0.02252	0.025052	-0.086133	-0.037144	0.012495
34	0.070713	0.003004	-0.029236	-0.042385	-0.06902	-0.054568	0.032238	-0.076913	-0.025002	0.00702	0.00938	-0.112268	0.071047	0.003632
35	-0.024455	-0.051504	-0.101261	-0.000089	-0.094474	-0.035647	0.009926	0.016997	-0.06492	-0.012301	-0.062043	0.000506	-0.001762	0.024255
36	0.05681	-0.045695	0.161719	-0.097095	0.026078	0.013912	-0.093331	0.072299	0.001502	0.056778	-0.040328	0.081264	-0.026877	0.01866
37	-0.030564	0.004839	0.046922	0.017379	0.034373	-0.049843	-0.051921	0.015808	0.103571	-0.04687	-0.03664	0.036553	-0.061606	0.062619
38	0.02381	-0.066338	0.051681	0.038266	-0.003389	-0.072452	-0.085898	0.017981	0.003404	-0.02174	-0.033263	0.069108	0.074893	-0.068711
39	-0.054597	0.111157	0.042564	-0.140941	-0.019634	0.052621	0.052743	0.034307	0.02028	-0.022988	-0.034436	-0.059615	-0.010119	-0.004154
40	0.062941	-0.076807	-0.00038	0.029996	0.078085	-0.108796	0.071182	-0.034997	0.02618	0.015557	-0.031462	-0.040034	0.072786	-0.11971
41	0.082204	0.033059	-0.033956	-0.264703	-0.009135	-0.069917	0.044669	0.136027	0.03953	0.007611	-0.084397	0.009413	-0.00162	-0.11265

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
42	0.010845	-0.027603	0.0341	-0.006108	-0.00379	-0.01218	0.007547	-0.006477	-0.005765	0.002973	0.005919	0.001398	0.017886	0.017733
43	0.07967	0.163925	-0.084539	0.166825	-0.029861	-0.028794	-0.035525	0.010345	-0.009679	0.019432	0.025505	0.056878	-0.015885	0.002113
44	0.059543	0.003257	0.008973	0.040131	0.01505	0.003605	-0.020772	0.03045	-0.041368	-0.028792	0.002692	0.048471	-0.024889	-0.046113
45	-0.029531	-0.142709	-0.033519	-0.107997	-0.033437	0.022403	-0.080598	-0.070377	-0.045595	0.011097	0.016749	0.039958	-0.026531	0.068907
46	-0.096848	0.032715	-0.05254	-0.002068	-0.016003	0.081605	0.007098	0.014551	-0.054471	-0.020332	0.026312	-0.038625	-0.094266	-0.070584
47	0.091423	-0.101144	0.025852	0.072792	0.095917	-0.008158	0.093723	-0.054393	0.073623	0.081443	-0.038985	0.05736	0.040056	0.20126
48	0.048403	-0.106015	-0.020132	0.121924	-0.049374	0.062105	-0.00738	0.125516	0.083865	0.005076	0.027771	-0.02536	-0.082309	-0.178192
49	-0.026655	0.141052	-0.0196	-0.059204	0.128048	-0.048088	-0.012218	-0.074156	0.014191	-0.033145	-0.066047	0.016795	0.073412	-0.05797
50	0.084602	-0.054911	0.186258	-0.06122	-0.040851	-0.053118	0.027371	0.029833	-0.00876	-0.007874	-0.020642	-0.044798	0.012424	0.005999
51	-0.094286	-0.002419	0.097175	0.086917	-0.052877	-0.062777	0.034925	-0.035032	-0.034619	-0.036775	0.010888	0.015905	-0.041398	-0.055082
52	0.010856	0.026863	-0.101782	0.095822	-0.079474	-0.061722	-0.111495	-0.054602	0.003226	-0.035738	-0.110018	-0.020848	0.017498	-0.037307
53	-0.037858	0.025386	-0.180926	-0.033537	-0.015291	0.034255	-0.042609	0.009775	0.026685	0.023095	-0.039997	-0.104078	0.007813	0.022673
54	-0.035519	0.075949	-0.073985	-0.020308	0.019529	0.01535	-0.103205	-0.054939	-0.038801	0.010117	0.094086	0.035614	-0.109964	0.015385
55	0.036863	0.061206	0.089066	0.101429	0.065246	-0.004549	0.076224	-0.019337	0.010797	0.100276	0.052823	0.056622	0.026186	0.099921
56	-0.080039	0.04528	-0.039468	0.115206	0.02872	0.013929	0.077241	0.066715	-0.014526	-0.004784	0.089017	0.062376	-0.044892	0.014847
57	0.011838	0.043861	-0.006366	-0.093095	0.046568	-0.053962	-0.026937	0.050296	-0.00005	-0.01348	-0.045534	-0.061652	-0.043312	-0.033566
58	-0.101986	-0.069652	0.042909	0.040957	0.017523	0.131106	-0.037193	-0.080646	-0.01753	-0.051567	0.002534	-0.119435	-0.02658	-0.085928
59	-0.027074	-0.023377	0.093717	0.047395	0.038894	0.020482	0.007373	-0.030641	0.01659	0.028785	0.025031	-0.101141	-0.031949	0.076004
60	-0.001106	-0.131281	-0.07784	-0.183729	0.058049	-0.043023	0.018563	-0.015851	-0.018064	0.023598	0.031763	-0.122266	0.015353	-0.004866
61	0.100226	0.012639	0.020455	0.018588	-0.001281	-0.024929	0.005977	-0.068944	0.0282	0.022081	-0.098848	-0.044376	-0.028958	0.071629
62	0.000455	0.142239	-0.13658	0.02453	0.002817	-0.025331	0.039857	0.026978	-0.049826	-0.036437	0.031756	-0.00934	0.027247	0.022939
63	0.006343	0.049758	0.00187	0.078363	-0.024563	0.102248	0.036122	0.010281	0.043819	0.013456	0.023867	0.024457	0.024084	-0.059515
64	-0.007159	0.056272	-0.034651	0.015251	0.066866	-0.103789	-0.252382	-0.109445	-0.166961	0.05189	0.043958	0.163462	-0.008752	0.010381
65	0.121263	0.042134	-0.03402	0.047565	-0.0078	-0.024549	0.05931	0.020978	0.030196	0.013064	-0.114338	0.123656	-0.004906	0.015294
66	0.004181	-0.091444	0.043784	-0.066569	-0.028646	0.044179	0.062208	0.0102	-0.02353	-0.0568	0.058385	0.000535	0.038209	0.066714
67	-0.040574	0.067063	-0.095725	-0.070811	-0.001919	-0.058595	0.027706	-0.004723	0.019347	-0.016638	-0.021389	-0.154603	0.057268	0.005074
68	-0.08654	-0.125629	0.075519	-0.036848	-0.110455	0.079787	-0.090982	0.005148	-0.004262	0.009381	0.011882	0.084614	0.035161	0.001957
69	-0.019891	-0.050233	0.049624	-0.074729	-0.031889	0.008185	-0.012259	-0.067199	-0.069115	-0.047637	-0.02768	0.044832	-0.077109	0.020537
70	0.011341	0.073065	0.103671	-0.110489	0.013382	0.008465	0.025258	-0.083734	-0.070229	0.013039	0.013295	-0.077036	-0.036619	0.0512
71	-0.032661	-0.010192	-0.073053	-0.006395	-0.100391	-0.032872	0.073381	0.067572	0.015176	-0.003153	0.124469	-0.041409	-0.117219	-0.014661
72	0.051791	-0.013633	-0.014595	-0.018341	-0.034674	-0.005291	0.009896	0.003016	-0.021023	0.030223	0.130102	0.098087	-0.015035	-0.04815
73	0.014262	0.024069	0.090187	-0.045708	0.048598	-0.053572	-0.008855	0.06537	-0.016544	0.06568	0.070377	-0.066961	0.02531	-0.073791
74	0.050484	0.004434	-0.008506	0.041803	0.0259	-0.021491	-0.056212	0.022248	-0.00491	0.057961	0.004638	0.034029	-0.058485	-0.113487
75	-0.143212	0.040207	-0.084522	0.040772	0.046296	-0.078171	0.061191	-0.004045	0.122191	0.068186	-0.053762	0.039658	-0.021704	-0.012415
76	-0.029285	-0.048942	-0.120596	0.062161	0.022043	0.045359	-0.018453	0.090656	-0.023019	-0.065857	0.013785	-0.001884	0.099978	0.0348
77	0.052355	0.059912	0.119205	-0.101885	0.063773	-0.061061	-0.113712	0.037761	-0.076449	0.03371	-0.074493	-0.031156	0.10222	0.019924
78	0.025843	-0.065287	-0.036165	-0.01065	-0.028813	0.132718	-0.071131	-0.017345	0.005856	0.057566	0.094181	0.116278	0.019108	-0.073661
79	0.008858	0.052226	-0.078005	0.119267	-0.011861	-0.022566	0.000667	-0.071418	0.031936	-0.023331	0.00182	-0.168802	-0.067631	-0.048225
80	0.050881	0.029151	0.095523	0.027996	0.008126	0.028012	0.081801	0.004785	-0.024804	-0.013368	-0.028214	0.046357	-0.015013	-0.022507
81	0.013589	-0.105787	0.052082	0.032058	-0.016351	-0.060344	0.030416	0.005522	-0.019262	-0.014875	0.033925	-0.00151	-0.099675	0.02362
82	-0.143235	0.113335	0.119616	-0.040121	-0.084144	0.031449	-0.03204	0.079122	0.003685	0.069674	-0.015276	0.015775	-0.043184	0.128638

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
83	-0.040442	0.005222	0.023557	-0.004594	-0.111267	-0.029326	0.108846	-0.010181	-0.063052	-0.004227	-0.017827	-0.022312	-0.046642	0.066735
84	-0.01121	0.045756	-0.051537	-0.062677	0.050037	0.066383	0.008025	-0.049514	-0.061678	-0.042303	0.052357	0.054338	0.045195	0.014407
85	-0.03567	0.034188	0.077127	-0.135406	0.034157	0.031662	-0.037428	-0.026792	-0.037872	-0.033946	-0.034153	-0.045072	-0.051778	0.014914
86	0.078397	0.028764	-0.045059	-0.039455	-0.05579	0.017108	0.052484	-0.018522	0.026813	-0.042852	-0.114989	0.087756	0.081661	0.074441
87	-0.0385	-0.04182	0.071464	0.071653	0.031715	0.004613	-0.009146	0.022591	-0.035991	-0.023595	0.038774	0.02411	0.123905	0.005291
88	0.160078	-0.024941	-0.043795	0.210652	0.054644	-0.069077	-0.039976	-0.016767	0.004622	0.022612	0.06908	-0.050781	-0.012288	-0.012671
89	0.053193	-0.034431	0.028386	-0.036544	0.067511	-0.061197	0.058179	0.051724	0.054986	0.070597	-0.037394	0.034667	-0.003741	-0.036361
90	0.044405	-0.06014	-0.04128	0.034539	0.010565	0.082046	0.064883	-0.002932	-0.010145	-0.038417	-0.037847	-0.008885	0.005488	-0.070698
91	0.02306	-0.094348	-0.070816	-0.056176	0.106811	0.101461	-0.042297	0.086879	-0.048052	0.05138	0.002746	0.02938	-0.008767	0.077153
92	0.026498	0.015094	-0.087196	0.011191	-0.07565	-0.013199	-0.112944	-0.076415	0.011278	-0.002238	0.019865	0.069264	0.021305	0.0096
93	-0.008052	-0.001623	-0.023687	-0.074086	0.05083	-0.118304	-0.035449	-0.057941	-0.005913	-0.01645	-0.13071	0.017195	0.011709	0.028214
94	-0.079196	-0.005488	0.020493	0.065918	-0.094878	0.037727	0.019598	0.027324	0.002865	0.023492	0.037421	-0.032303	-0.045274	-0.136404
95	0.022902	0.147131	0.059004	0.083068	-0.011291	0.007687	0.009714	-0.119243	0.108452	-0.017806	-0.061059	-0.125232	0.011536	0.057603
96	-0.068137	-0.081138	-0.075733	0.160641	-0.056529	-0.089723	0.053099	0.091981	-0.10641	-0.080347	0.006299	-0.072128	0.039099	0.100773
97	0.106836	-0.081802	-0.13848	-0.005143	-0.019349	0.010605	-0.137507	0.033723	-0.128326	-0.014628	-0.017455	-0.051558	-0.029786	0.03109
98	-0.024323	-0.040315	-0.022529	0.069201	-0.02378	0.003699	0.000182	0.063453	-0.005623	0.009154	-0.138309	0.071574	-0.021862	-0.165251
99	-0.036234	0.030003	0.009188	-0.032717	0.03864	0.085226	0.074342	0.077248	0.069843	0.060472	-0.008848	0.036337	-0.024069	0.044364
100	-0.003222	0.026923	0.031218	0.001361	-0.032262	0.004692	0.002666	-0.027991	0.008194	0.003843	-0.002075	-0.013564	-0.006692	0.035714
101	-0.040564	-0.006518	-0.029142	0.020262	0.020277	-0.006634	-0.027635	-0.000167	-0.040362	-0.006937	-0.012056	-0.026679	-0.024082	0.028246
102	0.014627	0.071904	0.000045	-0.035681	0.003358	0.039618	-0.059559	-0.001399	-0.009818	0.032669	0.04502	-0.011675	0.003863	0.01395
103	-0.046218	0.001745	-0.010258	-0.020642	0.009246	-0.025699	0.017312	-0.012076	-0.051813	0.00287	0.056216	-0.042796	-0.014804	0.010503
104	-0.000708	0.01464	0.013615	0.037158	-0.03265	-0.010987	-0.043368	0.031831	-0.011742	0.018747	0.020244	-0.002824	-0.041987	-0.012931
105	0.006084	0.030982	-0.034876	0.015717	-0.00862	0.018492	-0.020911	0.004148	0.018944	0.020918	0.009289	0.020625	-0.026734	0.063438
106	0.018518	0.018181	0.058699	-0.030511	-0.022199	0.010607	-0.029734	-0.021076	0.023134	0.010829	-0.018044	-0.029568	0.003932	0.020419
107	0.010544	-0.02756	0.019937	0.042809	0.009877	0.092731	-0.023027	-0.015089	-0.015425	0.004473	0.020026	-0.02059	0.010442	0.004603
108	0.033736	-0.043141	-0.061561	-0.021835	0.01094	-0.003213	-0.040277	-0.016993	-0.007752	-0.024165	0.013494	0.020775	0.082357	-0.028312
109	0.016191	-0.049033	-0.009733	0.014025	0.050685	-0.032599	0.01497	0.040007	0.019407	0.032168	0.002843	0.05033	0.03772	0.026949
110	0.018081	-0.027254	-0.074011	0.029366	-0.039196	0.023619	0.024468	-0.031601	0.013925	0.006181	0.045886	-0.004996	-0.020737	0.037163
111	0.00182	-0.053269	0.016926	-0.029401	0.016113	0.007184	0.050818	0.008347	0.015408	0.039449	0.046909	-0.009066	0.005839	0.059079
112	0.020674	-0.009548	0.089763	-0.015404	-0.011655	-0.003568	-0.038607	-0.026523	0.040974	0.01514	-0.008493	-0.005058	0.019501	-0.069346
113	-0.064769	-0.054048	-0.005349	0.009032	0.056291	0.017091	0.046407	-0.033138	-0.036001	-0.032176	-0.09616	-0.053009	0.000546	-0.011861
114	-0.005245	-0.021508	0.012542	-0.005619	-0.020681	-0.039281	0.011539	0.04758	-0.017692	0.018593	-0.039337	-0.031018	0.012747	0.017959
115	-0.00289	0.006615	0.053382	0.042079	0.024379	0.001517	0.01929	-0.0124	-0.004789	-0.025592	-0.001356	-0.057781	-0.047933	-0.012355
116	-0.052176	-0.022219	0.027954	0.01393	-0.026333	-0.00984	0.060963	-0.014957	0.043534	-0.031501	-0.013293	-0.078209	-0.008307	-0.052505
117	0.016374	-0.013619	0.026888	-0.066144	0.028747	-0.032751	0.011826	0.009357	0.002851	0.002786	-0.023405	-0.018621	-0.018119	0.012641
118	0.012946	-0.033441	0.011666	-0.016372	0.029928	-0.05028	0.001039	0.060099	-0.002838	0.020286	-0.01129	-0.007297	-0.036971	-0.043908
119	0.000575	-0.053079	-0.047784	0.043397	0.021356	-0.029269	0.038997	-0.051526	-0.026594	-0.001719	0.017756	-0.008954	0.029943	0.001693
120	0.013162	-0.022536	-0.009067	0.017742	0.002063	0.00883	-0.008675	-0.017743	0.012222	-0.03385	-0.029517	0.011765	0.009108	-0.059571
121	0.029347	-0.01809	-0.021067	-0.004002	0.033685	-0.032623	-0.011653	0.002908	0.035055	0.020868	-0.036893	0.048782	-0.000462	0.035397
122	0.004992	-0.020573	-0.042393	-0.003223	-0.019969	0.005847	-0.094894	0.001768	-0.025319	0.02884	-0.003618	0.017627	-0.048682	-0.016326
123	0.02819	0.025655	-0.015874	0.013667	-0.010323	-0.061134	-0.043629	-0.048102	-0.052651	0.002681	0.010374	0.033665	0.014255	0.013884

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
124	0.006403	-0.000443	-0.008871	0.006546	0.009247	-0.012217	-0.021341	-0.083306	-0.046261	0.000512	0.018666	0.014158	0.016127	0.016917
125	-0.055466	0.007153	0.016235	-0.019862	-0.041069	0.007336	0.00681	0.023277	-0.010143	-0.060919	-0.051242	0.022678	0.008495	-0.103418
126	-0.021715	-0.024609	-0.003614	0.029506	-0.018471	-0.036393	0.055808	0.007162	-0.019529	-0.033418	-0.030701	-0.009499	0.026486	-0.008619
127	-0.03276	-0.033531	0.044492	0.022588	0.007867	-0.037208	0.057095	0.001585	-0.013542	-0.033917	-0.012368	-0.03804	0.029894	-0.012684
128	-0.068205	-0.019559	0.000405	-0.030361	-0.057126	0.046839	0.007522	0.012228	-0.017904	-0.050406	0.000916	-0.07738	-0.049188	-0.016118
129	-0.054164	-0.023984	0.028762	-0.038983	0.03612	0.002876	-0.054548	-0.041734	0.029429	0.031577	-0.017046	0.00799	0.03806	-0.043405
130	-0.08389	-0.059543	0.080169	0.031406	-0.012964	-0.02635	0.041667	0.031726	-0.00955	-0.005154	-0.052925	-0.036236	0.056823	-0.074021
131	-0.033193	-0.067571	0.021168	-0.039938	0.062001	0.003388	0.056696	0.031971	0.018264	0.020599	0.012909	-0.023708	0.008907	0.023026
132	0.017027	0.005049	-0.042618	-0.036643	-0.029373	0.028046	0.023445	0.045296	0.019813	-0.029439	-0.016112	0.040253	-0.004408	-0.051209
133	-0.026889	0.012873	-0.011167	-0.056698	0.004609	-0.042336	-0.030631	-0.00066	-0.089551	-0.065856	0.007666	-0.018118	0.061375	0.071023
134	-0.033191	-0.074085	-0.00274	-0.05424	0.020813	-0.003584	0.014953	-0.023133	-0.01789	-0.038673	-0.073285	0.047274	-0.019489	0.012309
135	0.000829	0.00149	0.009624	0.011409	-0.047742	-0.007928	-0.0305	-0.044554	-0.061763	-0.061209	0.00541	-0.040152	-0.026995	-0.048092
136	0.027737	-0.013705	-0.009986	-0.019409	0.029375	-0.021873	-0.017077	-0.069905	-0.076531	-0.021657	-0.007031	-0.045647	-0.02442	-0.043497
137	0.715439	0.014009	0.006101	-0.038135	-0.014545	0.023353	0.020703	0.008527	-0.010911	-0.025116	0.00687	-0.076798	-0.026946	0.011352
138	0.012029	0.526188	0.028279	-0.021706	-0.038921	0.027663	0.016516	0.025278	-0.004207	-0.017356	-0.039248	-0.037882	0.017379	-0.035275
139	0.029075	0.068649	0.468927	0.072235	0.040764	0.000382	0.001072	0.034401	-0.000993	-0.042433	-0.016219	0.028724	0.009526	0.01433
140	-0.006495	-0.006019	0.057783	0.443319	0.027692	-0.025315	-0.029442	-0.001897	0.010799	-0.000822	-0.039192	-0.090364	0.025906	0.020806
141	-0.019737	-0.034248	0.002736	-0.018415	0.713378	0.031916	-0.034322	0.007156	0.008502	-0.020135	0.021157	0.004536	-0.075563	-0.033059
142	0.026569	0.033765	-0.020485	0.015594	0.005571	0.70923	-0.026336	-0.045577	-0.034098	0.005527	-0.03399	-0.037551	0.026024	-0.01155
143	0.024408	0.036211	-0.038211	-0.088858	-0.022978	-0.015864	0.669961	-0.106026	-0.103981	0.029146	0.025163	0.048075	-0.014861	-0.009282
144	-0.008161	0.052443	0.019429	-0.005744	-0.014196	-0.057079	-0.077063	0.741861	-0.072786	-0.011391	0.003131	-0.057583	-0.004928	0.057363
145	-0.018159	-0.003292	-0.001683	-0.008717	0.020225	-0.031536	-0.077538	-0.059266	0.739481	-0.044412	0.031745	0.004483	-0.011744	0.012125
146	-0.03065	-0.010294	-0.036286	-0.001312	-0.046032	-0.008855	0.031736	-0.016632	-0.044222	0.87503	-0.056199	-0.048004	0.028533	-0.027008
147	0.028017	-0.000381	0.000248	-0.050601	0.003902	-0.055728	0.018786	-0.009605	0.02884	-0.050192	0.723202	-0.012272	0.054125	-0.014512
148	-0.061081	-0.042259	-0.018884	-0.067863	0.004089	-0.016818	0.028033	-0.061332	0.008496	-0.013337	-0.009856	0.473291	-0.054014	0.010184
149	-0.036497	0.029515	-0.008936	-0.02029	-0.045801	0.008951	-0.030941	0.008268	0.000898	0.013334	0.041463	-0.017209	0.746247	-0.024205
150	-0.04951	-0.063377	0.007778	0.048557	-0.013078	0.005164	-0.016528	0.039067	-0.010655	-0.027428	-0.024006	-0.010857	0.011715	0.608433
151	-0.004064	0.0273	-0.113174	0.004374	-0.002725	0.01322	-0.024537	0.002078	-0.002973	0.029908	-0.041737	0.01699	-0.049159	-0.030695
152	-0.020766	-0.005249	-0.029002	0.008015	0.04326	-0.046216	-0.005607	-0.021143	0.013885	0.026499	-0.032835	-0.003205	-0.020787	0.039415
153	-0.01603	0.041138	-0.023797	-0.005327	-0.036865	-0.076605	-0.050153	-0.089739	-0.016565	-0.035668	-0.032046	-0.040143	-0.008262	0.00196
154	0.010186	0.015521	0.021274	0.014488	0.02882	-0.13415	0.002371	-0.085402	-0.032197	-0.00292	-0.057233	-0.033748	-0.000278	-0.039154
155	-0.001359	-0.005279	0.02448	0.028606	-0.001747	-0.022421	0.014254	-0.036891	0.007495	-0.011849	0.020461	0.01448	-0.001189	-0.017907
156	0.060272	0.000278	-0.013039	0.035985	-0.004642	-0.067309	0.002483	-0.006365	-0.002566	-0.067476	-0.052386	0.046884	-0.016063	-0.059472
157	-0.018325	-0.010009	0.014999	-0.064093	-0.049158	0.004313	0.01924	0.001804	-0.042827	-0.039248	0.024883	-0.029214	0.004174	-0.052737
158	-0.048894	-0.018858	0.001294	-0.012825	-0.056628	-0.011028	-0.023106	-0.019922	0.039401	-0.006195	-0.046738	0.034748	-0.012953	0.051573
159	0.00845	0.017301	0.007159	0.009258	-0.003255	-0.046391	0.024011	0.004361	-0.066585	0.01365	0.039785	-0.069791	-0.058816	-0.104422
160	-0.009343	0.001174	-0.025383	-0.019729	-0.006406	-0.012535	-0.028121	0.0058	0.040681	0.008131	-0.028205	0.022316	-0.018255	-0.017108
161	0.013942	-0.035853	-0.079816	0.027911	0.011087	-0.036471	-0.04855	-0.017037	0.037791	0.024493	0.006595	-0.109648	-0.0106	-0.005666
162	-0.05	0.005223	-0.025735	0.016415	0.006755	-0.029942	-0.04347	-0.085248	-0.029219	0.024579	0.028192	0.040291	-0.042911	0.027404
163	-0.043589	0.011909	0.046509	0.019107	-0.036907	-0.097326	-0.025944	0.002464	-0.022534	0.025848	0.039218	0.003298	-0.051272	-0.048214
164	-0.054044	0.048836	-0.051418	-0.014513	-0.024981	-0.041835	0.028009	-0.004071	-0.042137	-0.033024	-0.024352	-0.037336	-0.044855	0.010313

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
165	-0.005357	0.02803	0.045625	0.009645	0.009394	0.02748	-0.048277	-0.025876	0.002109	0.013303	0.045262	-0.037846	-0.060366	-0.004011
166	0.038438	-0.095724	-0.006659	0.001438	0.000649	-0.033331	-0.00769	-0.031345	0.009576	-0.000571	0.0315	-0.036744	0.027096	0.028989
167	-0.031129	0.000868	-0.031813	-0.017009	-0.023998	0.060537	-0.052596	-0.056332	-0.068473	-0.02021	0.015713	0.031527	-0.033737	0.000072
168	-0.024655	0.012657	0.019788	0.008536	0.008253	0.004702	-0.036396	-0.011662	-0.008514	-0.009421	0.011622	0.019755	0.02216	-0.023544
169	-0.000902	-0.000281	-0.011537	-0.005883	-0.023851	0.013666	-0.019137	-0.014318	0.015009	-0.003405	0.000477	-0.010713	-0.002194	0.004873
170	-0.013402	-0.010687	-0.007864	0.026348	-0.014661	0.027799	0.004714	-0.015247	0.032135	0.002196	-0.019342	-0.02424	-0.016878	0.001455
171	0.020047	0.021494	-0.032147	-0.022811	-0.04145	0.000939	-0.015404	-0.017775	0.032548	0.002282	-0.008462	0.017438	-0.00257	0.022584
172	0.003172	0.017025	-0.000625	-0.016138	-0.032609	0.017789	0.002226	-0.022598	-0.013427	-0.005277	0.00735	-0.007217	0.01635	-0.013729
173	-0.029367	0.013934	-0.006687	-0.030319	-0.020815	0.014745	0.02478	0.021184	-0.008909	-0.018006	0.013539	-0.000224	-0.010722	0.011517
174	0.024841	0.020003	0.025604	-0.006531	-0.005619	-0.025916	0.024393	0.042836	0.002723	-0.000781	-0.026357	0.001525	-0.018627	0.031534
175	0.02031	0.013513	-0.022241	0.012304	0.047006	0.024976	0.003306	0.026733	-0.001863	0.007843	-0.015633	0.047138	-0.030289	-0.040813
176	-0.001543	0.018027	-0.013244	-0.029756	-0.021772	0.039437	-0.043644	-0.02399	-0.021335	0.01468	0.04079	-0.007334	0.023354	0.01663
177	0.0474	-0.010033	-0.03324	0.006808	0.04875	0.077736	-0.014311	-0.033925	-0.008747	-0.002645	-0.037064	-0.077545	-0.028137	-0.031543
178	-0.045603	-0.002384	-0.04764	0.017091	-0.004707	-0.001995	-0.052792	-0.027218	-0.046353	0.016533	0.01017	-0.032353	0.0104	0.057654
179	-0.014688	0.011117	0.021256	0.002676	0.024408	-0.026074	-0.015567	0.006604	0.012427	0.017497	-0.018139	-0.033435	0.015303	0.021209
180	-0.028422	-0.01469	-0.001329	0.006316	0.004209	-0.017004	-0.016951	0.003522	-0.001447	0.012856	-0.028242	-0.027871	0.004133	0.019834
181	-0.029351	-0.010807	-0.017994	-0.000208	0.018176	-0.00531	-0.00983	0.006999	0.009153	0.014715	-0.026215	-0.008322	-0.006204	0.021413
182	-0.021445	0.004457	-0.012225	0.034209	0.020201	-0.008235	0.02988	-0.006782	0.033212	0.023118	-0.020035	-0.029527	-0.002931	-0.014027
183	0.002048	0.026504	0.017102	-0.00977	0.000739	0.028236	0.019372	-0.002157	0.039251	0.001483	-0.019937	-0.011927	0.012061	-0.017263
184	0.006594	0.014917	-0.000165	-0.050714	-0.010009	0.007294	0.000315	-0.018733	0.001344	-0.01632	0.018194	0.010293	0.015696	0.011322
185	-0.050852	-0.085703	-0.002279	0.04632	-0.049654	-0.035843	-0.00399	-0.000286	-0.021147	0.011546	0.048562	-0.011584	-0.05022	-0.004279
186	0.034683	-0.009913	-0.03832	0.00076	-0.02374	-0.014971	-0.013056	-0.011824	0.039784	0.014952	-0.024962	0.008378	0.03663	-0.021539
187	-0.005591	0.010785	-0.016038	0.020748	-0.0104	0.025381	0.031085	0.022841	-0.013655	-0.010301	0.017604	-0.017801	0.024752	-0.036057
188	0.026609	0.002327	0.002906	0.005441	-0.021307	0.011591	0.025937	0.013711	-0.013639	-0.00827	-0.001145	-0.027244	0.019619	-0.015003
189	0.021172	-0.017551	-0.023702	-0.006437	-0.024769	0.000464	0.045701	0.042286	-0.016581	-0.013466	-0.030048	-0.014874	0.030299	0.002756
190	-0.016594	-0.006525	-0.027188	0.001787	-0.027557	0.051746	-0.039098	0.020461	0.002593	0.02512	0.0091	0.036848	-0.023193	0.026129
191	0.030187	-0.01139	0.024166	-0.048869	-0.024068	0.02117	-0.019205	0.041352	0.035377	0.009688	0.019812	0.012476	-0.04232	0.026547
192	0.013863	-0.027228	0.042853	0.050987	-0.02502	0.004014	0.020503	-0.025288	-0.01246	-0.013263	0.035153	0.005671	-0.012282	-0.025165
193	0.019987	0.021001	0.006599	0.039395	0.012891	-0.014281	0.017231	-0.020196	0.009045	0.00922	0.027908	-0.010458	0.016914	0.034129
194	0.040038	0.01158	-0.00938	0.004887	0.02902	0.033881	-0.058484	0.01341	-0.026224	0.017335	0.008197	0.01038	0.015636	-0.041043
195	-0.017877	-0.008377	-0.027757	-0.00717	0.027554	0.006037	0.007333	0.0299	0.020381	0.01876	0.035834	0.003012	-0.007338	-0.004783
196	0.008964	0.000545	-0.025576	-0.017386	0.015324	0.0016	-0.022242	-0.009557	0.008676	0.013169	0.019378	-0.00903	-0.020531	-0.000654
197	-0.001495	0.00984	0.05784	-0.006091	-0.06056	0.04264	-0.006634	0.012379	0.011762	-0.00636	0.022318	0.032895	-0.076699	0.043651
198	-0.026222	-0.03642	0.012926	0.007468	-0.029393	-0.007702	0.039731	-0.005748	-0.035951	-0.026764	-0.010572	-0.039	0.025597	-0.014294
199	-0.024525	-0.01913	0.013507	-0.022418	-0.008507	-0.060109	0.021038	-0.014668	0.015256	-0.03225	-0.107735	-0.017671	-0.059853	0.001658
200	-0.00435	0.02154	-0.03719	-0.015627	-0.00357	0.010408	0.029956	-0.019291	0.028206	-0.001292	-0.014306	-0.004602	0.027927	0.001844
201	-0.00226	0.054928	-0.084098	-0.008525	-0.005335	0.055547	0.024826	0.004329	0.03134	-0.010772	-0.031166	-0.052655	-0.014458	0.017661
202	0.032998	-0.022736	-0.006081	0.065057	-0.014093	0.04795	0.015967	-0.007084	-0.020525	-0.01268	-0.01775	0.033589	0.007322	0.046855
203	0.002632	0.03416	-0.00153	0.047363	0.023442	0.043957	0.023849	0.029076	0.007197	0.014959	-0.01677	-0.039486	-0.030161	0.016967
204	0.008837	-0.053006	0.031441	-0.02441	-0.002358	0.032529	-0.039011	-0.004875	0.000715	-0.005255	-0.038806	-0.011783	0.021068	-0.035917
205	0.002913	-0.002304	0.0022	-0.055676	-0.03475	-0.05488	-0.018538	0.000169	0.060709	0.041279	0.025183	0.033749	0.033685	-0.054423

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
206	0.057801	-0.043644	-0.007807	0.069198	-0.021306	-0.008542	-0.01371	0.017535	-0.044253	0.011545	0.053448	-0.007951	-0.005953	-0.038866
207	0.019353	0.010509	-0.054874	-0.029372	-0.035656	0.002729	-0.001147	0.070946	0.055645	0.026096	-0.041616	0.049091	-0.061115	0.003441
208	-0.020684	-0.007131	-0.011643	-0.028426	0.00054	0.026618	0.049093	0.022208	-0.020359	0.004895	0.056126	0.031251	-0.00792	-0.009181
209	0.044721	-0.100164	0.03224	-0.036563	0.011478	0.006812	-0.002267	0.001246	-0.00317	-0.001701	-0.02975	0.031145	-0.021733	0.0139
210	-0.017616	-0.065943	-0.029833	0.098775	0.031711	0.059782	0.041535	0.034312	0.010336	0.003213	-0.009682	0.028423	-0.036233	-0.055502
211	0.006932	0.026626	0.022432	-0.088815	0.02021	0.023763	-0.022726	-0.037305	-0.048745	-0.034338	-0.016655	-0.055717	-0.017377	-0.040682
212	0.031576	-0.028013	-0.0886	-0.021304	-0.016719	-0.009836	-0.016535	0.009483	0.076258	0.004081	-0.0786	-0.011247	0.004137	-0.03721
213	0.024101	0.000051	-0.003638	-0.009726	-0.040973	-0.01298	0.029184	0.036291	-0.010169	0.011905	-0.020064	-0.031581	0.000675	0.00656
214	-0.004787	-0.00394	0.042858	-0.027963	0.002401	-0.048523	-0.021985	-0.009652	-0.020975	-0.006469	-0.008927	-0.0576	0.0253	0.008809
215	-0.021438	0.001494	0.031649	-0.073406	-0.019322	-0.019988	-0.072774	-0.018616	-0.012509	0.038291	-0.01354	0.0301	0.006689	-0.049455
216	0.032025	-0.007954	0.016698	-0.000013	-0.049685	0.03223	-0.02224	-0.029739	-0.027345	-0.010011	0.013287	0.038093	-0.049996	0.02029
217	0.072105	-0.042675	0.021531	0.012672	0.010317	0.024605	0.031476	0.011876	0.016329	0.007898	-0.056206	0.001919	0.020417	-0.078948
218	0.004612	0.011127	-0.014943	-0.009202	0.012209	-0.003508	-0.038864	-0.011098	-0.040834	-0.013551	0.014304	-0.013389	-0.005558	0.018227
219	0.038983	-0.012735	-0.01571	-0.002675	-0.024976	-0.025674	-0.014355	0.002334	-0.040201	-0.032203	0.002547	-0.016066	-0.014227	0.007005
220	0.010029	0.001974	0.053594	0.034092	0.016948	0.034822	0.058565	0.024624	0.029117	-0.021255	-0.026262	0.039655	0.032243	-0.0324
221	-0.006175	-0.021211	0.012374	-0.020261	0.003508	-0.000782	-0.009421	0.039126	0.00124	-0.00326	0.009669	0.021131	-0.026865	-0.018928
222	0.010219	-0.045574	0.019913	-0.00424	-0.019492	0.039733	-0.00397	0.016551	-0.00289	-0.006386	0.002554	-0.000639	-0.018465	-0.020026
223	0.020476	0.027571	0.02931	0.007904	0.016435	0.029367	-0.021353	0.030845	0.016753	0.004653	-0.012729	0.034406	-0.007744	-0.004037
224	0.011555	-0.002213	0.000338	0.019356	-0.027127	-0.053741	0.010811	-0.013852	-0.027832	0.009981	0.005886	-0.001483	-0.040725	0.028537
225	-0.023477	-0.011066	0.016521	-0.01292	-0.00624	-0.05133	0.020646	-0.005447	-0.053505	0.003621	0.011691	0.002097	-0.043526	0.01675
226	0.010416	0.012158	0.007719	-0.006129	-0.024872	-0.003116	-0.024081	-0.013907	0.000343	0.00107	-0.000181	0.028128	0.008657	0.007855
227	0.030452	0.06619	-0.033788	0.005053	0.00634	-0.019435	-0.030557	-0.034707	-0.030069	0.014603	0.014823	0.00656	0.006498	0.00412
228	-0.041209	0.027786	-0.039534	0.050054	-0.021262	0.031081	0.009522	0.043705	0.002841	0.016361	0.04507	0.021532	-0.037082	0.00543
229	-0.001279	0.007689	-0.02952	0.048165	0.032986	-0.011991	0.031703	0.016036	-0.017306	0.014484	0.016882	0.018187	-0.020429	-0.027729
230	-0.055902	0.010641	0.01859	-0.029719	-0.031497	0.015938	-0.02967	-0.039358	-0.001663	-0.018735	-0.002725	-0.010582	-0.017187	0.001362
231	0.004381	0.042914	-0.002333	-0.000851	-0.012338	0.000639	0.03189	0.0197	0.017303	-0.016793	-0.029401	0.009767	-0.061562	-0.028002
232	-0.014745	0.016035	0.11436	0.042039	-0.053691	0.028984	0.001008	0.04388	0.035686	-0.02094	-0.025942	-0.092241	-0.015786	0.008903
233	-0.028254	-0.005121	-0.045949	0.004659	-0.013884	0.063551	0.007571	-0.005761	0.005465	-0.022729	0.011536	-0.03496	0.001344	0.029559
234	-0.03204	0.04739	-0.015399	0.045543	0.000982	-0.030397	0.015902	0.034165	-0.0173	-0.010609	0.017689	0.055533	0.008778	-0.030297
235	-0.02067	0.010353	-0.006453	-0.028958	0.003986	-0.039595	0.01758	0.031979	-0.038562	-0.003521	0.015397	-0.008853	0.004333	-0.044887
236	0.008958	0.028093	0.009344	-0.002173	-0.00691	0.011484	-0.030287	-0.03009	0.017695	0.011398	0.017653	-0.028233	-0.007891	0.022648
237	0.007619	-0.014681	-0.025494	0.000761	0.009847	0.02292	-0.000332	0.000241	-0.030029	0.007022	0.003547	0.028486	-0.024831	0.012052
238	0.017881	-0.028552	-0.005154	-0.029894	0.014833	0.014824	-0.014246	0.014311	-0.016086	-0.010336	-0.015987	-0.002073	-0.021266	0.006434
239	0.013821	0.018009	0.003261	-0.02514	0.003416	0.006176	-0.014203	-0.003658	-0.011516	-0.009694	-0.013594	-0.031418	-0.012141	0.016195
240	0.020185	-0.00631	-0.000911	-0.003739	-0.01693	-0.013153	0.009124	-0.005703	0.023257	0.020119	-0.011087	-0.031831	-0.020742	0.036385
241	0.007267	-0.013668	-0.018741	-0.033335	0.041997	0.033425	-0.023947	-0.017455	0.0084	0.011477	0.000796	-0.032556	0.019904	0.035832
242	-0.030716	0.009844	-0.039902	-0.014642	0.033477	0.019894	0.038025	0.012816	0.01563	-0.00455	-0.023205	0.012222	0.043569	0.016398
243	-0.018159	-0.006617	-0.018561	-0.007011	-0.004444	0.008838	0.011357	0.031954	-0.002039	-0.017091	-0.000289	-0.009078	0.014834	-0.022616
244	-0.037673	0.006459	0.011104	0.007767	-0.006137	-0.009875	-0.025767	0.004647	0.013136	-0.001617	-0.001549	-0.013598	0.019262	-0.013006
245	-0.012128	0.020089	-0.004321	-0.040891	-0.025852	-0.003581	-0.068644	-0.077494	-0.000243	0.002591	-0.010091	0.000241	0.005433	0.036855
246	-0.017339	0.002276	-0.03691	0.026513	0.002072	-0.002033	0.030148	-0.026108	-0.017499	0.011386	0.024701	0.022997	0.000752	0.024367

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
247	-0.01782	0.003048	-0.018519	-0.010444	-0.005127	0.019199	-0.0135	0.001055	-0.011283	0.011641	0.012722	-0.000959	-0.008509	-0.03672
248	-0.00689	-0.010595	0.037673	-0.036347	-0.012008	0.022145	0.007299	0.035213	0.002647	-0.000934	0.006499	-0.013074	-0.006423	-0.061202
249	0.040733	-0.075216	0.053191	-0.003666	-0.011435	0.029684	-0.004755	-0.044752	0.002657	-0.006273	-0.005546	-0.080005	0.007354	0.016485
250	0.043921	0.008742	-0.006917	0.019258	-0.006294	-0.00721	-0.011121	-0.005223	0.008982	0.010432	0.011879	0.024906	-0.001133	0.001364
251	-0.009106	0.003816	-0.010906	-0.032011	0.016661	-0.027655	0.017204	0.020572	0.009797	0.002537	-0.024509	0.010844	-0.001093	0.023487
252	-0.021061	0.041829	-0.002782	-0.051817	0.04063	-0.020515	-0.028099	-0.01541	-0.004951	-0.012317	-0.02371	-0.00322	0.032205	0.030877
253	0.003666	0.007599	0.015402	0.034852	0.023487	0.034496	0.001314	-0.004712	0.047858	-0.003368	0.022563	-0.016112	0.001812	-0.005175
254	0.012153	0.003342	0.014828	0.041795	0.034046	-0.007068	0.004079	0.0059	0.006848	0.01174	-0.003608	-0.010192	0.004376	0.006729
255	-0.037119	-0.013573	-0.026784	0.038695	0.006793	-0.009867	0.017349	0.01174	0.007249	0.00402	0.000884	0.007541	0.006326	-0.005417
256	-0.008573	-0.038539	0.026773	-0.019023	0.002023	0.003375	-0.036667	-0.030317	0.010763	0.009525	0.013011	-0.013266	-0.006314	0.015388
257	-0.010617	0.011728	0.010692	-0.025168	0.0073	0.008511	0.010345	0.006723	0.000759	-0.002648	0.017069	0.010317	0.012528	-0.018398
258	-0.01092	0.053493	-0.019531	-0.010918	0.031769	0.000972	0.024813	0.006356	-0.002261	0.011958	0.003283	-0.017264	-0.020204	-0.026786
259	0.019526	-0.021651	0.012934	-0.016838	-0.002573	0.022767	0.020347	-0.006262	0.002063	0.005044	0.003494	-0.010346	0.003974	0.003671
260	-0.025676	0.048735	-0.026042	0.008847	0.036203	-0.013943	0.021194	0.019407	-0.012878	-0.011378	0.032694	0.027149	0.037371	-0.0438
261	0.00629	0.031932	-0.045368	0.014794	0.068573	-0.02229	0.055171	0.001169	0.012409	0.005312	-0.007061	0.016704	-0.012469	-0.007474
262	0.010214	-0.001571	-0.036917	0.013374	0.029481	-0.001288	-0.005595	-0.041306	-0.011929	-0.005222	-0.020178	-0.010575	-0.004944	0.025515
263	0.015104	-0.000297	-0.039483	-0.00704	0.012487	0.017072	-0.007846	-0.021914	-0.008672	-0.026125	-0.026362	-0.000367	0.0108	0.034153
264	0.02844	-0.044689	0.013963	-0.001084	-0.038931	0.039893	-0.010084	-0.007239	-0.010991	0.013363	0.026045	-0.021027	-0.004123	-0.011106
265	0.02896	0.007888	0.021654	0.028333	0.016409	-0.009791	0.000143	0.010032	0.012749	0.023128	0.004087	-0.030801	0.003809	-0.012817
266	0.009228	0.005449	-0.005493	0.012737	0.047655	-0.050415	0.025815	-0.011082	0.023994	-0.004198	-0.00398	0.00765	0.006024	-0.026911
267	0.041704	0.026411	-0.02547	0.040541	-0.007581	-0.005848	0.027712	0.028842	0.005059	0.011694	-0.023881	-0.005226	-0.006122	0.021436
268	0.011542	-0.003952	0.016536	-0.017972	-0.035275	-0.001924	-0.038918	-0.003675	-0.010083	-0.00075	0.004013	0.00268	0.005836	0.014969
269	0.018768	-0.023966	0.023118	-0.022176	-0.007222	-0.011578	-0.021748	0.018333	0.007398	0.004573	0.007364	0.006798	0.013363	-0.008875
270	0.02181	0.018957	-0.005454	0.003323	-0.001746	-0.013277	0.003667	-0.004272	0.018141	0.000792	0.012484	0.004452	0.011844	0.005154
271	0.034409	-0.023709	-0.043948	0.016063	-0.061272	-0.015201	-0.048145	-0.042771	0.014485	0.020349	0.013304	0.026683	-0.033727	0.002944
272	0.006026	0.001681	-0.015677	0.01404	0.007563	-0.031475	0.016238	0.023742	-0.018668	0.01731	-0.009773	-0.005365	-0.009983	0.016767
273	-0.015448	-0.012706	0.001698	-0.024077	-0.008069	-0.011553	0.006718	0.009711	0.024047	-0.008437	-0.008997	-0.008465	0.011073	-0.014019
274	-0.016072	-0.018582	-0.004562	-0.013211	0.003772	-0.02047	0.017719	0.017609	0.028699	-0.00316	-0.006423	-0.009924	0.016817	-0.025506
275	-0.007773	0.023199	-0.00728	-0.029669	-0.020758	-0.039136	0.001404	-0.026319	0.014212	-0.010968	0.017618	-0.049239	0.033507	-0.021479
276	0.034739	0.012382	0.006524	0.014306	0.017624	-0.012828	-0.020953	-0.029095	-0.002759	0.013356	0.021326	-0.036507	-0.021828	0.023814
277	-0.014538	0.009365	-0.051313	0.019087	0.031761	0.000883	-0.002258	0.023141	0.005039	0.029009	0.012562	-0.010227	-0.011981	-0.005494
278	-0.041246	0.038245	-0.035837	0.046864	0.020684	-0.032545	0.055804	0.012028	0.023838	0.007889	0.00705	-0.031372	-0.00415	0.004185
279	0.025957	0.003348	0.013631	-0.017245	-0.000245	-0.033228	0.000861	0.008144	0.002768	-0.023874	-0.015857	-0.030217	-0.003119	0.012628
280	-0.020138	-0.040247	0.008937	-0.01848	-0.024898	0.029062	0.012379	-0.002197	0.026924	-0.013185	0.015565	-0.021171	-0.016882	0.010651
281	0.005871	0.032533	0.036426	0.021931	-0.023998	0.020594	0.048331	-0.012313	0.014655	0.004209	-0.011431	0.043486	-0.023697	0.009246
282	0.002606	0.035794	0.022797	0.012428	-0.010496	0.007352	0.034541	-0.003635	0.03028	0.011947	0.017437	0.026254	-0.009454	0.031857
283	0.009784	0.007153	0.007835	-0.009966	-0.016242	-0.025526	0.013087	0.013643	-0.000212	-0.008106	0.007384	0.000775	0.016176	-0.027343
284	0.003975	0.018348	0.029552	-0.027274	0.000435	-0.016298	0.009088	0.001585	0.002078	-0.007753	0.021976	-0.003305	0.011179	-0.003331
285	-0.000525	0.015718	0.041956	-0.019832	-0.010033	-0.012279	-0.002214	0.005543	0.009298	-0.003187	0.017233	-0.003306	0.027055	-0.03109
286	0.015567	0.044183	0.024969	-0.024606	0.0441	-0.007507	0.028368	-0.021152	-0.00932	-0.012458	-0.013059	-0.032367	-0.024039	-0.014032
287	-0.006209	0.048907	0.000735	-0.00899	0.026902	0.000018	0.032932	-0.017038	-0.002679	-0.028791	-0.025755	-0.038331	0.002137	-0.007817

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
288	-0.03292	0.051866	0.015821	0.009507	0.019086	-0.015573	0.043222	0.011462	-0.016024	-0.002177	0.022387	0.002279	-0.009914	-0.001907
289	-0.019888	-0.008125	-0.009284	0.012636	0.013227	-0.012826	0.023628	-0.028576	-0.000512	-0.00163	0.019692	-0.010676	0.007664	0.008875
290	-0.030565	-0.015032	0.02231	0.033856	-0.007574	0.022297	0.045182	-0.000332	0.026032	0.000199	0.00728	0.038857	0.021062	0.005611
291	-0.026039	-0.015387	0.016351	0.026669	-0.003091	0.021655	0.041987	-0.006888	0.026527	0.003332	0.009483	0.038765	0.018409	0.009025
292	0.002314	-0.05621	0.017204	0.002987	0.00687	0.01651	0.010902	-0.001582	0.004356	0.002604	0.010122	0.033767	0.022924	-0.006648
293	0.010554	0.015553	0.053255	0.005826	-0.004347	-0.013009	-0.028556	-0.042667	0.003052	0.006895	-0.045981	-0.029257	-0.029228	0.005036
294	0.014208	-0.001653	-0.005111	-0.054042	-0.030452	-0.005414	-0.011988	-0.004101	-0.001288	-0.000912	-0.001337	0.025842	0.005534	0.004602
295	-0.011536	-0.043586	0.009654	-0.034946	0.005857	0.008802	0.020758	-0.01844	0.015571	-0.012954	-0.006839	-0.02289	0.000025	0.005797
296	-0.023678	-0.027042	-0.047421	-0.00802	0.043336	0.005355	0.024504	0.019277	0.041292	-0.011974	-0.026238	0.01192	0.043687	0.016472
297	0.002425	-0.039436	0.016065	-0.017389	0.033373	-0.007925	0.028565	-0.019027	-0.011173	-0.020289	-0.024147	-0.006378	0.003166	0.03637
298	0.006976	0.010362	-0.004902	0.043405	0.031375	-0.002895	0.060571	0.033258	0.050683	0.007521	0.016572	0.072647	0.002163	0.039345
299	0.004898	0.006458	0.039312	0.011092	-0.003619	0.007086	-0.028004	0.000622	-0.008358	-0.013619	-0.021213	-0.004978	-0.038085	0.029647
300	0.075986	-0.038217	0.012422	0.011777	0.008863	0.007054	-0.010056	-0.046238	-0.023543	-0.019859	-0.027111	0.035724	-0.042605	0.04039
301	-0.02204	-0.003884	0.057671	-0.002144	-0.028267	0.011476	0.015136	0.003175	0.001113	-0.007455	0.005908	0.006771	-0.003421	0.015488
302	-0.001749	-0.031798	-0.029942	0.014376	-0.018855	0.021066	-0.003904	-0.01364	-0.021581	-0.01065	0.004859	-0.001131	-0.004035	0.004103
303	0.000565	0.043447	0.032924	0.020067	-0.008995	0.018427	-0.029737	0.009558	-0.026163	-0.003035	0.004351	0.015587	-0.032595	-0.013837
304	0.031572	0.033949	-0.005707	0.03935	-0.015298	0.027165	-0.025308	0.004738	-0.022511	-0.015441	-0.002172	-0.001085	-0.04992	0.015931
305	0.012034	0.056164	0.018432	0.025709	0.019657	0.000827	-0.030369	-0.025736	-0.00766	0.030333	0.011788	0.050926	-0.014696	0.02729
306	0.001997	0.006374	-0.051738	-0.000047	-0.027414	-0.016998	0.001149	0.018518	-0.023968	-0.048885	-0.087896	-0.000056	0.012246	0.041436
307	0.006091	0.058653	-0.042954	0.047723	-0.066392	-0.003456	-0.016876	-0.010988	-0.005656	-0.014199	0.041432	0.06002	0.028012	-0.006939
308	0.017012	-0.016131	-0.076042	0.040082	-0.016163	-0.002802	-0.022071	0.004088	-0.043578	-0.066602	-0.061183	-0.016387	0.018336	0.042662
309	0.018947	-0.010956	-0.066335	0.031589	-0.013039	-0.008868	-0.008042	-0.008255	-0.025001	-0.024494	-0.021329	-0.0311	0.003598	0.012907
310	0.02756	0.000699	-0.054761	-0.017534	-0.053035	-0.008564	-0.015654	0.027269	0.004505	-0.030983	-0.064083	-0.04554	0.012238	-0.008057
311	-0.024817	0.022155	0.003778	0.012635	0.016591	0.000301	0.010503	-0.02898	0.013905	0.021735	0.021341	-0.007548	0.015273	-0.012001
312	-0.094421	0.045949	-0.004998	-0.001181	-0.025993	0.008456	-0.016634	0.009777	0.015437	-0.019922	-0.07366	-0.021349	0.035586	-0.034409
313	-0.012038	0.00972	0.01463	-0.01108	0.063556	0.053775	0.027255	-0.010781	-0.027804	-0.025192	-0.002204	-0.023066	0.036834	0.006288
314	0.041697	0.044319	0.0541183	-0.04431	-0.022729	0.065132	0.035755	-0.000994	0.03114	0.012126	-0.052094	0.016045	0.061538	-0.008724
315	0.002792	0.004536	-0.035126	0.073677	0.032913	0.016337	-0.010494	-0.004121	-0.009057	-0.003071	-0.009159	-0.007873	-0.011009	-0.00002
316	-0.003753	-0.078404	0.027798	-0.02498	0.04835	0.003471	0.026943	0.032396	0.021151	0.011347	0.048589	-0.071932	0.028633	-0.083068
317	-0.001235	0.009957	-0.009642	0.030678	-0.030278	-0.004931	0.031526	0.025584	0.02522	0.007085	0.007053	-0.007113	0.001979	0.001249
318	0.055776	-0.051179	-0.015386	0.013593	-0.061803	0.023196	0.030938	0.008743	0.009209	-0.004989	-0.020446	0.036317	0.004381	0.00927
319	0.012286	-0.045085	-0.024211	0.03279	0.003583	0.001885	-0.016055	0.001599	-0.010605	-0.015021	0.012358	-0.003714	-0.010234	-0.009106
320	0.008145	-0.018366	-0.053527	0.015406	0.023919	-0.04586	-0.003363	0.033929	0.002044	0.005475	-0.001354	0.021434	0.015078	0.012442
321	-0.016788	0.001883	-0.014366	-0.008631	0.03171	0.02835	0.034254	-0.018272	-0.042164	-0.038399	0.005589	0.009827	0.008924	0.038699
322	-0.008413	0.016343	0.069366	0.007741	-0.05062	-0.013672	-0.012034	-0.016928	0.007929	0.029409	-0.02961	0.005948	-0.026858	-0.004396
323	0.014285	-0.014459	0.010226	-0.008688	-0.016213	-0.0132	0.061842	-0.009307	0.009093	-0.007139	0.007877	0.030567	-0.001143	0.00756
324	-0.013898	0.040317	-0.002409	0.008706	-0.059606	-0.030665	0.000205	-0.014788	0.034175	-0.024415	-0.02804	-0.013476	-0.001918	-0.059252
325	-0.02252	-0.012883	0.007014	0.022264	0.016201	-0.015874	0.026927	-0.017951	0.00334	-0.010374	-0.007927	-0.015572	0.025979	-0.012305
326	-0.012079	0.035277	-0.01218	-0.066971	-0.001925	-0.007668	-0.011665	-0.025765	0.031781	0.01502	-0.000321	-0.043884	0.019873	-0.011367
327	-0.008288	-0.010174	-0.062206	0.026567	-0.013052	-0.001129	0.000232	0.014003	-0.010955	-0.010914	-0.015392	-0.013181	-0.024338	-0.002252
328	-0.022069	0.022942	-0.057846	0.002128	0.076043	0.016947	-0.008352	0.004475	-0.00897	-0.037984	0.020018	0.077342	0.011288	0.015847

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
329	-0.01184	-0.005225	0.018621	-0.051183	0.013658	0.011245	-0.017388	-0.022798	-0.013678	0.01421	0.032082	-0.038314	-0.031952	0.015079
330	0.029109	0.016506	0.016855	0.029226	-0.062181	-0.017006	0.018644	-0.018451	-0.03413	-0.019412	0.011046	0.001661	0.046008	-0.035437
331	0.027335	-0.010714	-0.037993	0.003495	-0.005837	-0.022903	-0.02984	-0.040523	-0.025802	-0.005633	0.006859	-0.000756	-0.012503	0.003646
332	0.020568	-0.057832	0.017306	0.005962	0.012555	-0.016836	-0.00021	-0.00561	0.004092	0.020132	0.017821	0.026675	0.026628	-0.04672
333	-0.006671	-0.045051	0.017801	0.003298	-0.033332	-0.006453	0.025833	-0.029711	0.017822	0.0035	0.030789	0.010215	-0.012292	0.002362
334	0.013727	-0.014646	0.048444	0.051826	0.047597	-0.014925	-0.070881	-0.004096	-0.053016	0.048586	-0.028306	0.064453	0.050784	0.046154
335	-0.003802	-0.034747	-0.004829	0.012079	-0.04058	-0.022706	-0.009885	-0.032201	-0.012474	-0.044932	0.016684	-0.032778	0.00374	-0.027865
336	-0.027229	0.04593	0.028739	-0.025803	-0.096369	0.035717	-0.00642	0.006841	-0.011217	0.029491	0.01034	-0.01592	-0.082975	0.038017
337	-0.016269	-0.054435	0.056075	0.061288	-0.032674	-0.027255	-0.00207	0.039018	0.035197	0.012163	-0.007016	0.042073	0.00823	-0.054903
338	-0.023241	0.052739	0.002917	0.037587	0.003319	-0.022755	-0.063451	0.001767	0.025984	0.017317	0.040989	-0.054756	-0.037422	-0.040302
339	0.053579	0.007234	0.039656	0.033059	0.014799	0.014805	-0.035728	-0.027521	-0.016754	0.040237	-0.013769	0.039301	0.018658	0.008926
340	0.008903	-0.030596	0.016355	-0.016391	0.022206	-0.008284	-0.017766	0.003264	-0.024461	-0.003298	-0.00456	-0.010269	0.027472	-0.002131

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
1	-0.101768	0.051889	0.020976	-0.011426	0.049431	-0.014482	0.076736	-0.076278	-0.069408	-0.008679	0.063507	0.176336	0.180036	0.018831
2	0.133735	-0.072742	-0.040788	-0.064434	-0.042547	-0.053949	0.04552	-0.093008	-0.05508	0.005024	-0.002028	-0.035381	-0.070092	-0.055017
3	-0.039689	-0.032532	-0.038645	0.014426	0.020663	0.044871	-0.050227	0.074055	0.050162	-0.086654	-0.034961	-0.117652	-0.002888	0.037899
4	0.064087	0.005954	0.018144	-0.050198	-0.022603	-0.078703	0.046672	0.080414	0.082557	-0.07786	-0.104993	0.030629	0.040069	0.084962
5	-0.059175	0.018013	0.000328	0.059525	-0.003762	-0.004957	0.01386	0.039571	-0.018769	0.097018	0.03338	0.136449	-0.012584	-0.014132
6	-0.076681	-0.054715	-0.054169	0.002595	0.00523	0.084251	0.053537	0.182899	-0.055204	-0.075727	0.008389	-0.038684	-0.069	-0.036373
7	-0.054439	0.01885	0.018112	-0.013357	-0.063766	-0.053517	-0.040765	-0.108167	-0.028431	-0.028668	0.041043	0.018026	0.047967	-0.015378
8	0.015744	-0.001932	-0.063192	-0.065889	-0.046161	0.00469	-0.087307	-0.020489	0.030344	-0.071467	-0.013227	0.016356	0.043719	-0.042509
9	0.064494	0.05148	0.048837	-0.040777	0.03482	-0.031439	-0.059471	0.069568	-0.080031	-0.088621	0.059063	-0.107899	-0.041438	-0.056067
10	0.020207	0.02627	0.083	0.09584	0.019727	0.017383	-0.000042	0.009056	0.052075	-0.005539	-0.036639	0.020326	-0.010797	0.085334
11	0.0457	-0.004293	-0.013249	0.004527	0.035598	-0.025176	0.036202	0.013515	-0.046036	0.011263	-0.077734	-0.049835	-0.005781	0.002427
12	0.025968	0.052754	-0.03035	0.038165	-0.003577	0.013104	0.08629	0.049117	0.003414	-0.105625	-0.060864	-0.0009	0.019779	0.094215
13	0.078323	0.046638	0.048391	0.007889	0.068641	-0.069509	-0.052921	0.013358	0.162115	0.041887	-0.030518	0.074548	-0.02209	0.045839
14	-0.067153	0.075614	-0.041523	0.055566	0.032741	-0.00449	0.006085	0.097346	0.086325	0.082697	0.154818	0.024568	0.096135	-0.029127
15	-0.116037	0.016634	0.018022	0.049467	-0.001029	0.059761	0.016951	-0.048287	-0.187427	0.074342	-0.065489	-0.009959	0.038666	-0.004003
16	-0.078418	-0.071528	-0.019837	0.053403	0.032496	0.059802	-0.015038	0.073937	0.126811	0.059434	-0.043119	-0.070857	-0.087308	0.000827
17	0.121318	0.003891	-0.087195	-0.064884	-0.082615	0.058439	-0.038549	0.039303	0.038997	-0.019907	-0.088532	-0.055991	-0.003337	0.039193
18	-0.101204	-0.002778	0.022927	-0.014513	0.021202	-0.0533	-0.022026	-0.059334	0.069284	-0.007032	0.12931	0.071318	0.027251	-0.03695
19	0.042157	-0.004813	0.042943	0.011426	0.008604	-0.030363	-0.030109	-0.014337	0.145329	0.050942	0.033143	0.027664	0.005173	-0.169818
20	-0.085457	-0.019061	-0.025267	-0.079265	-0.048594	-0.065398	-0.083332	-0.041858	0.031842	0.082484	0.108208	-0.073268	-0.031567	-0.081713
21	-0.085766	0.067609	0.089735	0.002469	0.012757	-0.035515	0.045624	-0.066935	-0.016812	-0.0264	0.032758	-0.045273	-0.009218	0.009743
22	0.10407	-0.003067	0.017706	-0.0407	-0.034677	-0.127489	0.033872	-0.050395	0.054752	0.01676	-0.038434	-0.046219	0.006688	-0.024272
23	0.050764	-0.037131	-0.095624	-0.00798	0.007875	-0.031027	-0.009778	0.012983	-0.064098	0.023626	-0.021077	-0.027187	-0.016814	-0.022331
24	-0.066756	-0.001742	-0.067365	-0.018687	0.022297	0.060084	0.017576	0.051611	-0.067917	0.026259	-0.045724	-0.101184	0.096273	0.026664
25	0.057275	-0.007825	0.004316	0.02961	-0.038515	-0.012142	0.011647	-0.033791	0.048936	-0.103528	0.074093	0.082716	0.00436	0.063466
26	-0.062718	-0.019121	-0.079565	-0.033496	0.090154	-0.057848	0.001696	-0.012704	-0.062851	-0.192752	0.071098	-0.00153	-0.009891	-0.029963
27	0.058031	0.064791	0.076985	0.076246	0.03572	0.05844	-0.057921	0.027939	0.096984	-0.039321	-0.032897	0.099234	0.024502	0.015309
28	-0.023256	-0.006379	-0.056146	0.052725	0.092848	-0.088714	-0.051081	-0.069358	0.051375	-0.00471	-0.059703	0.045444	-0.089801	-0.067466
29	-0.064318	0.047249	0.059401	-0.001439	0.020561	-0.00642	0.029583	0.036562	-0.045842	-0.017682	0.060889	-0.021422	0.01704	-0.063646
30	0.032197	0.006275	-0.000417	0.098918	0.020752	0.042443	0.027251	-0.019215	0.004262	0.071599	-0.09954	0.020256	0.090146	0.052273
31	-0.037412	-0.009079	0.009354	0.017554	0.033132	-0.023353	0.03745	-0.144947	-0.054552	-0.132915	0.017038	0.116149	-0.022273	0.00906
32	-0.088403	0.018125	0.092242	-0.016792	0.042827	0.068806	-0.048644	0.041705	0.007095	0.070749	-0.036557	0.030145	0.027326	0.00959
33	0.003484	0.013502	0.027391	-0.001727	-0.050834	0.093373	-0.075765	-0.101534	0.058059	-0.102986	-0.047425	-0.010195	0.015402	0.023897
34	-0.023387	0.040482	-0.091624	-0.058497	-0.052053	-0.035695	-0.002245	0.039331	-0.018246	0.06526	0.015095	0.152043	0.053662	0.075909
35	-0.050442	0.063185	0.035346	0.01946	0.113794	0.056883	-0.084913	-0.003641	0.050913	-0.031284	0.026491	-0.080399	-0.030144	-0.053402
36	-0.031558	0.058933	0.142313	0.079365	0.060401	-0.002884	-0.037993	-0.027585	-0.046489	-0.076337	0.06631	-0.002864	-0.018634	0.004003
37	0.090765	0.010452	-0.012518	-0.014375	-0.022801	-0.10054	0.091158	-0.042023	0.0672	-0.025224	-0.124725	0.053768	0.037056	0.069774
38	0.112228	0.034353	-0.016421	-0.021547	-0.020779	0.037467	-0.060797	-0.083371	-0.042449	0.023719	-0.009606	0.058713	0.053685	0.084048
39	-0.094143	-0.012607	-0.015898	0.036079	0.022364	0.123818	0.0227	0.013294	0.030147	0.02773	0.045797	0.083662	0.104178	0.067056
40	0.057687	-0.14697	-0.099334	-0.101822	-0.047195	-0.024596	-0.087956	0.155541	-0.033089	-0.186302	0.056925	0.081809	-0.098091	0.062599
41	0.023555	0.053428	0.122299	0.045131	0.075083	-0.10966	-0.010365	0.107647	-0.046979	0.00924	0.027428	0.025338	-0.03537	-0.019757

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
42	0.009411	0.005558	0.008902	-0.023362	0.000419	-0.014208	-0.025356	0.009391	-0.002706	-0.030025	0.015131	-0.033538	-0.005102	-0.006501
43	-0.093021	0.015446	-0.085957	-0.004442	-0.06538	0.051376	-0.04935	-0.125208	0.133912	0.079671	-0.201387	0.039407	0.02687	-0.026778
44	0.051998	0.081802	0.103761	0.042166	0.025577	0.061485	-0.058207	0.105066	-0.04239	0.134082	0.125215	0.090635	0.014463	0.14146
45	0.034246	-0.081361	0.001049	-0.058201	-0.010903	0.070377	0.080117	-0.258459	0.054533	-0.058837	-0.008422	-0.093103	-0.008928	-0.038914
46	0.020143	-0.000248	0.062059	0.101866	0.077661	0.019541	0.001587	-0.004253	-0.143568	-0.055808	0.005421	0.0238	0.010411	0.018814
47	-0.031846	0.016712	-0.020688	0.000652	0.045583	0.062291	0.157777	-0.012892	-0.065414	-0.006258	0.048444	-0.004498	0.110399	-0.02671
48	-0.008144	0.021641	-0.001162	0.058801	-0.015791	-0.130564	0.031823	-0.040769	0.086016	0.03465	-0.136085	-0.078339	-0.079747	0.00918
49	0.059011	-0.037835	-0.103078	-0.039804	-0.038989	-0.057719	0.034654	0.065556	0.04968	-0.094379	-0.048417	0.018702	0.011881	0.11474
50	-0.03289	0.01106	0.002452	-0.069291	0.040026	-0.058574	-0.047923	0.045834	-0.032324	-0.128039	0.019473	0.070191	-0.054267	0.007367
51	0.010757	-0.000877	-0.045515	0.006781	0.023217	0.01387	-0.056278	0.057733	-0.188586	-0.00061	0.05793	-0.022531	-0.002106	-0.038809
52	-0.065951	0.043949	-0.033205	-0.036292	0.041498	-0.040378	-0.014083	-0.056357	-0.069285	0.036301	-0.028132	0.109147	0.021173	0.032093
53	-0.125467	-0.025825	-0.004991	0.02215	0.090436	-0.015481	0.05021	-0.051439	0.1216	-0.03043	-0.12739	0.088557	0.058978	0.038939
54	0.073317	-0.038756	-0.054224	0.020071	-0.02071	-0.038058	-0.012593	0.076676	-0.054661	0.029967	0.050054	-0.118863	-0.064382	-0.001673
55	-0.063485	0.013009	0.098619	-0.022938	0.019614	0.071676	0.051882	0.006238	0.058233	-0.02037	-0.02723	-0.03508	-0.071754	0.119946
56	0.028583	0.072493	0.060565	0.122451	0.03743	0.128324	-0.016511	0.063237	0.101214	-0.186267	0.091183	-0.056794	0.051191	0.025323
57	0.02437	-0.027877	-0.038339	-0.028835	-0.060218	-0.036782	-0.008747	-0.076782	-0.062981	0.05328	-0.047724	-0.000978	-0.022611	-0.035579
58	-0.046513	0.090391	-0.028988	0.041692	0.000453	0.074757	-0.043226	0.163606	0.076955	0.067366	-0.00207	0.002458	0.126561	0.049315
59	-0.101322	-0.028801	-0.018846	-0.050237	-0.043239	0.089	0.015	0.024267	0.011026	0.098451	-0.02014	0.050138	-0.002654	0.005164
60	0.040813	-0.037096	0.001998	-0.022382	-0.022928	-0.028044	-0.007404	0.088773	0.006824	0.135963	-0.037214	0.002031	0.075883	-0.006966
61	0.051555	0.011094	0.028086	-0.036578	0.049711	0.059775	-0.031485	-0.072267	-0.159219	0.042627	-0.047692	-0.033249	-0.075985	0.000392
62	0.148342	0.025924	-0.009031	-0.009237	-0.063273	0.076833	-0.071251	0.033598	-0.056933	0.047324	0.033124	0.053336	-0.035891	-0.124103
63	-0.108182	-0.044434	0.019279	0.084161	0.044075	0.050503	0.03247	0.066827	-0.025403	-0.010829	-0.024784	-0.065001	-0.052716	-0.030513
64	-0.128821	0.005358	0.042584	-0.087111	-0.042877	-0.155475	0.057609	-0.000619	-0.002753	0.134968	0.01718	-0.057301	-0.048607	-0.044408
65	-0.072586	0.048267	-0.011662	-0.068761	0.087055	-0.034957	0.024686	0.163009	0.040573	0.025	0.07625	0.004387	0.058661	0.011164
66	-0.005399	0.009651	-0.018955	-0.000909	0.052437	-0.025917	-0.001012	-0.137329	0.099971	-0.014127	0.097099	-0.020597	0.049109	-0.061607
67	-0.09835	0.010329	0.011173	-0.095146	-0.029702	-0.069111	0.004994	0.042688	-0.085049	-0.082471	-0.039452	-0.067184	-0.060095	-0.18496
68	0.019851	0.020701	0.052248	0.109415	-0.014159	0.002717	0.093214	-0.001685	0.018873	0.071722	-0.05495	-0.007947	0.062048	0.049169
69	0.000411	-0.004132	-0.01129	0.005392	-0.045943	-0.062311	0.044446	0.047943	0.149919	-0.034613	-0.082606	-0.053947	-0.075068	-0.000916
70	0.068171	0.043559	0.006768	0.023508	-0.100098	-0.016062	-0.025046	0.055005	-0.047103	0.047483	0.044332	0.016922	0.006511	0.029298
71	-0.056543	-0.022052	0.011599	0.022453	0.008585	-0.058287	-0.061001	0.16475	-0.150801	-0.070998	0.018653	-0.002616	-0.121766	-0.000507
72	-0.143494	0.056369	0.000004	-0.003537	-0.034077	0.012667	-0.056389	0.016288	0.040254	-0.08887	-0.105544	0.023309	0.01865	0.053546
73	0.004106	-0.000927	0.027818	-0.021449	-0.007463	0.110365	0.059598	-0.087858	-0.062424	0.214409	-0.033466	0.104887	0.013494	-0.018862
74	0.016616	0.002812	-0.04383	-0.050507	0.052164	-0.103556	0.083914	0.030268	-0.003912	-0.08003	-0.075846	-0.093482	-0.006313	0.111127
75	-0.02895	-0.112678	0.007258	-0.13113	0.013005	0.115284	0.003431	-0.126237	0.107936	0.051305	0.112351	-0.082783	-0.077135	-0.096611
76	-0.069971	0.055069	0.051977	0.075991	0.027745	-0.014773	-0.090125	0.060039	-0.040718	0.027975	-0.102327	-0.055491	0.140823	0.019037
77	-0.019976	-0.035783	-0.035219	-0.064853	0.03109	0.09818	0.033358	0.023033	-0.118837	-0.076435	-0.081466	0.11554	0.047963	-0.033232
78	0.174393	0.014398	0.063502	0.015481	-0.024173	0.108173	0.062455	-0.005427	0.041775	-0.130108	0.081651	0.026562	0.028966	0.038505
79	-0.114021	-0.000254	0.035116	-0.011576	-0.03283	-0.087848	0.020342	-0.157536	-0.14119	-0.034226	-0.106717	-0.086256	-0.023577	-0.003385
80	0.029035	0.020166	-0.015939	-0.04618	-0.040487	-0.07105	-0.040668	-0.084354	-0.039484	-0.123095	-0.033688	0.038534	0.066784	0.01835
81	0.011226	0.058116	-0.070526	-0.006285	0.041235	-0.049406	0.017585	0.090477	-0.077435	0.055872	-0.011555	0.08025	0.036534	-0.022068
82	0.048999	-0.06022	-0.072989	0.05075	0.004454	0.083966	0.00637	-0.067962	-0.004305	0.088696	-0.012453	-0.11289	-0.026638	0.169953

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
83	-0.078062	-0.042268	0.014983	-0.052468	-0.062242	0.114052	0.041515	-0.04167	-0.011457	0.03531	0.086406	-0.034123	-0.021375	-0.128294
84	0.002833	0.114902	0.008647	-0.045244	0.080348	0.006284	-0.116502	0.023471	-0.065287	0.146507	-0.104176	-0.217573	0.077541	0.076994
85	-0.076696	-0.025457	-0.089816	-0.026846	0.132923	0.198672	0.030188	0.019484	0.08686	0.041094	0.011344	-0.034931	-0.014195	-0.145252
86	0.105585	-0.016126	0.057886	-0.049088	-0.119086	-0.12396	-0.092005	0.007175	0.069742	0.01108	0.123595	-0.031725	-0.016884	0.116024
87	0.092946	-0.001239	0.023453	0.010102	-0.045646	-0.031741	0.078159	0.050338	0.133888	0.145113	0.015038	0.002422	-0.071818	-0.044266
88	0.089516	-0.060441	0.094423	-0.03912	-0.080462	0.014321	0.028503	0.029785	-0.113865	0.124093	-0.020719	0.022875	0.023578	0.018454
89	0.056521	-0.049054	0.050748	0.048209	0.062032	0.095565	0.048367	0.09029	-0.030222	0.083832	-0.140236	-0.016442	-0.070739	-0.057135
90	0.036464	0.029747	-0.064683	0.028252	-0.060107	0.024719	0.06426	0.00468	-0.03877	-0.135789	0.007943	0.145135	-0.018085	0.021086
91	-0.100744	-0.190576	-0.038724	0.068037	-0.015104	-0.101499	-0.145545	0.00961	0.052245	-0.018395	0.050531	-0.078188	-0.043945	-0.063696
92	0.051992	-0.008726	0.068788	0.056103	0.016897	0.037942	-0.00019	0.037853	-0.024825	-0.098622	-0.012907	0.052653	-0.02449	-0.033801
93	-0.068595	0.053299	-0.065528	-0.049169	0.015378	-0.048302	0.118853	-0.024604	0.088201	-0.023967	-0.035842	-0.030151	0.063658	0.007117
94	0.081201	0.168268	0.019433	-0.064017	-0.018332	-0.018449	0.060315	0.05821	0.008919	0.007376	0.135648	0.039059	0.010768	-0.022784
95	0.090302	-0.008216	0.024754	0.00656	-0.012042	-0.057537	0.061722	0.032991	0.040283	-0.100214	0.098149	-0.095574	0.132791	0.010336
96	-0.007142	-0.008728	-0.014655	0.01699	0.012525	-0.007799	0.055085	0.065677	0.063179	0.072538	-0.007702	0.059036	-0.07412	-0.071628
97	-0.016188	-0.006887	-0.046003	0.001568	0.104095	0.11909	0.048463	0.089601	0.036105	-0.078831	-0.00647	-0.021578	-0.011919	0.025935
98	-0.100057	-0.092679	0.013726	-0.08341	-0.011091	0.023739	-0.055271	-0.016067	0.06845	-0.056706	0.032469	0.009205	0.026638	-0.019098
99	-0.070258	-0.037033	0.096948	0.035414	-0.017716	-0.082116	0.047002	0.027143	-0.062265	-0.030139	-0.000822	0.039853	0.034993	-0.008193
100	-0.019969	0.009719	0.01347	-0.002182	0.02311	-0.000258	-0.017146	-0.04135	-0.023662	0.032729	0.032423	-0.021081	-0.016503	-0.008767
101	-0.027479	-0.006748	0.001566	0.012314	0.018687	0.007293	0.010346	-0.011994	-0.012206	0.011289	0.008586	-0.025121	-0.00078	0.009641
102	-0.025472	0.009673	0.021324	-0.01123	-0.009101	-0.020509	-0.002253	-0.004549	0.033902	-0.008964	0.018957	0.000893	0.03407	-0.017431
103	-0.039525	-0.00667	-0.012517	-0.007357	0.026744	-0.027306	-0.031328	0.019223	-0.064387	-0.012993	0.031213	0.003169	-0.055347	-0.049236
104	-0.064648	0.022236	0.054815	0.037166	-0.027192	-0.065401	-0.068662	0.003689	-0.056961	-0.020832	-0.057737	0.001258	-0.042766	0.039907
105	-0.003447	-0.004278	-0.047759	-0.063508	0.004111	0.051073	0.097641	0.044621	-0.043249	-0.051999	0.01199	0.048484	0.048474	-0.011414
106	0.026918	0.026829	0.032546	0.014219	0.000005	0.012099	-0.023859	0.01794	0.000435	-0.051983	0.039777	0.028125	-0.035902	0.034409
107	-0.085737	0.035448	0.039279	0.070552	0.03734	-0.017162	-0.038918	0.060566	0.065524	-0.011071	-0.001187	0.023925	0.013437	-0.040105
108	0.001437	0.050614	0.01338	0.023576	0.000279	-0.006998	0.056528	-0.125103	0.049142	0.10802	-0.02611	-0.068025	-0.002038	-0.018501
109	0.033825	0.003158	0.014136	-0.002209	-0.022541	-0.044907	0.004818	-0.094071	-0.056686	0.019059	-0.050853	-0.011269	0.047309	0.01136
110	-0.056984	-0.013528	-0.092202	-0.031623	0.003172	0.048193	0.02355	-0.037065	-0.036482	-0.036492	-0.0127	0.080745	0.048865	-0.000026
111	0.029197	-0.002595	0.064146	-0.047217	-0.050255	0.012917	-0.039692	-0.043735	0.029891	0.01595	0.059368	-0.015794	-0.039701	0.040082
112	0.060256	-0.052366	-0.007379	-0.010548	0.016653	0.031053	0.030545	-0.016761	0.037015	-0.040645	0.015973	-0.064238	-0.076076	-0.009695
113	0.037237	-0.027499	-0.007125	-0.027736	0.03917	0.020749	-0.029482	0.005847	0.049635	-0.092773	0.05449	-0.030545	0.011872	-0.050224
114	-0.009233	0.015835	0.053269	0.038868	0.005713	0.053498	-0.008818	-0.025839	0.066771	0.034526	0.037943	-0.006576	0.016993	-0.068209
115	-0.011444	0.025545	-0.032752	-0.00136	-0.023563	-0.029584	0.003048	-0.012227	0.074616	0.039287	0.023002	0.085641	0.03714	0.029152
116	-0.005632	0.015785	-0.004726	-0.022883	0.006467	0.031415	-0.0136	0.050894	-0.065151	-0.019879	-0.056262	-0.024071	0.005636	0.002669
117	-0.076416	0.000071	0.026572	0.026417	0.046601	0.005459	-0.016385	-0.026485	-0.011262	-0.006898	-0.024155	-0.017293	-0.024279	-0.053717
118	0.019434	-0.003269	0.016591	0.03888	-0.024914	0.002551	0.007205	0.024989	0.039397	0.002568	0.018336	-0.048575	0.031583	-0.005695
119	0.002565	-0.039466	-0.023565	-0.026385	-0.028973	0.006813	-0.023813	-0.000951	0.020617	-0.018243	-0.030595	-0.063265	-0.019703	-0.024461
120	-0.007138	0.027353	0.016694	0.024924	0.006939	-0.016557	-0.013118	-0.047071	-0.000145	-0.043516	-0.031511	0.00814	-0.004281	-0.006684
121	-0.0275	-0.056893	0.015858	0.011263	0.002547	-0.005616	0.015099	-0.046904	-0.050145	-0.066765	0.008316	0.015059	-0.009046	-0.000553
122	-0.063943	-0.01525	-0.013463	0.036087	0.023332	-0.00686	0.001865	-0.007066	0.045	-0.017626	0.021209	0.025087	-0.002519	-0.005351
123	-0.05617	0.019492	-0.02223	-0.024882	-0.020445	-0.039361	-0.000042	-0.04113	-0.012616	-0.014033	-0.013217	0.020299	0.026399	-0.008177

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
124	-0.016797	-0.058657	-0.022742	-0.03638	-0.020086	0.034489	-0.005086	-0.039011	-0.01533	-0.032199	-0.00727	-0.022962	-0.017415	-0.036871
125	-0.004839	-0.006622	0.017481	-0.007054	-0.040061	-0.042747	-0.041726	-0.038376	0.022903	0.016623	0.02696	-0.012811	0.012248	-0.037879
126	-0.017716	-0.013277	0.026875	-0.00914	-0.041978	-0.01629	-0.017382	-0.031284	-0.000449	0.024515	0.032551	0.061651	-0.015005	-0.057445
127	-0.003528	-0.041815	-0.003004	0.002502	-0.046781	-0.023907	-0.003157	-0.054116	-0.012548	0.046854	0.023557	0.056404	-0.021454	-0.078358
128	-0.011714	0.024143	0.000375	0.025389	0.004261	-0.036859	-0.036583	0.002745	0.002741	0.034714	-0.047425	0.005252	0.004881	-0.031695
129	0.025218	-0.031306	-0.005354	0.041233	-0.07783	0.060861	-0.004298	0.012535	-0.016204	-0.013205	-0.070241	-0.02385	0.036571	0.037579
130	-0.045194	0.027024	-0.004606	-0.079832	-0.006021	-0.027858	0.00736	0.039596	0.001194	0.042073	-0.063268	0.03686	0.029155	0.126669
131	0.022523	0.009758	0.047113	-0.045823	0.00239	-0.095469	0.056264	0.027675	0.041766	0.004965	-0.018468	-0.056008	-0.013424	-0.050567
132	-0.008151	0.022176	-0.018213	0.012996	-0.057911	0.011938	-0.003901	0.027647	0.058998	0.041564	-0.009746	0.077949	0.033122	-0.009932
133	0.062773	-0.000586	0.027634	0.06102	-0.017701	0.006735	-0.012362	-0.008693	-0.016425	-0.062108	0.051129	0.032705	-0.029235	-0.085032
134	-0.079589	-0.032938	0.025418	-0.014407	0.024648	0.003783	0.075149	-0.023807	-0.043791	0.004536	0.020744	0.042134	-0.027879	0.00989
135	0.044184	0.022911	0.000404	-0.013225	-0.000857	-0.020662	-0.052083	0.011871	-0.033074	-0.00661	-0.007813	-0.03251	-0.051517	-0.001358
136	0.019052	-0.035553	-0.014225	-0.091658	-0.056695	-0.009693	0.00314	0.033926	-0.044588	-0.024742	-0.007785	-0.006941	-0.002118	0.012685
137	-0.024762	-0.035987	-0.028916	0.016546	-0.013543	0.034517	0.006267	-0.071297	0.023963	0.020878	-0.002875	-0.07761	-0.011183	-0.009099
138	0.018006	-0.003383	0.044175	0.022395	0.013262	-0.030428	-0.006765	-0.018201	0.014839	0.018231	-0.060027	-0.006678	0.017558	-0.012091
139	-0.106989	-0.058755	-0.049336	0.040949	0.021926	0.000946	0.013781	0.05591	0.013036	-0.02482	-0.07495	-0.027524	0.015816	-0.056271
140	-0.009466	0.00857	0.046093	-0.021732	0.024149	-0.000878	-0.041752	0.005893	0.003582	-0.003745	0.036946	-0.000605	0.017809	-0.043544
141	-0.041609	0.030474	-0.014093	0.012991	0.021041	0.004988	-0.030112	-0.010688	0.050575	0.019108	0.015031	0.003788	-0.064325	-0.040554
142	0.042172	-0.039421	-0.04184	-0.127845	-0.044391	-0.04827	-0.015901	0.041772	-0.067696	0.001932	-0.035518	-0.02436	-0.111731	-0.052766
143	-0.039867	-0.035814	-0.005666	0.002251	0.012781	0.010745	-0.004326	-0.044321	0.025279	0.045825	-0.066677	-0.040302	-0.02246	0.007809
144	0.009272	-0.018504	-0.058083	-0.100812	-0.047407	0.029999	0.004988	-0.030512	-0.007337	0.01121	-0.003905	-0.059322	0.005669	-0.019338
145	-0.02699	0.0039	-0.015006	-0.04487	-0.014339	0.020878	-0.027731	0.010812	-0.051306	0.051963	0.034455	-0.038915	-0.026839	-0.059005
146	0.021566	0.036153	-0.027798	-0.006497	-0.012538	-0.045565	-0.021292	0.020997	0.015734	0.019591	0.017702	0.000887	0.001115	-0.035926
147	-0.030624	-0.011002	-0.014044	-0.056234	0.020769	-0.05138	0.03063	-0.008259	0.018442	0.02178	0.025038	0.004884	0.007319	-0.013414
148	-0.006091	0.020064	-0.006599	-0.032012	0.00661	0.045296	-0.020432	0.068593	-0.010613	-0.024864	-0.088769	0.01834	0.032414	-0.001401
149	-0.045543	-0.01622	-0.003231	0.006286	0.020063	-0.020112	0.004855	-0.038638	-0.019385	-0.058983	-0.012245	-0.02786	-0.080251	-0.020338
150	-0.005171	0.029162	-0.00371	-0.042854	-0.026386	-0.060849	-0.035778	0.034776	-0.077872	-0.008317	0.008082	0.010718	-0.013615	0.024641
151	0.489004	-0.024417	-0.022467	0.00329	0.084693	0.007336	-0.003234	-0.035841	0.000836	-0.005014	-0.048173	0.003477	0.030948	-0.072934
152	-0.020446	0.768052	-0.084341	-0.050175	-0.054937	0.006679	-0.004381	-0.053872	0.005549	-0.054117	-0.005823	-0.053559	-0.085962	-0.055338
153	-0.020325	-0.077026	0.747065	-0.087747	-0.036115	0.001793	0.020264	0.003405	0.030005	-0.039152	-0.055583	0.000349	0.004397	0.000396
154	-0.00647	-0.046722	-0.080836	0.754261	-0.070103	-0.056609	0.02385	-0.028694	-0.034913	0.000117	0.022813	-0.016559	-0.034933	-0.042158
155	0.118344	-0.046327	-0.018187	-0.060088	0.776386	-0.066715	0.011849	-0.059256	-0.005006	0.016237	-0.008527	0.010612	-0.005462	0.019412
156	0.033106	0.037537	0.019362	-0.057373	-0.083842	0.525784	-0.021985	-0.028108	0.000039	-0.059895	-0.019605	-0.034459	-0.058617	0.00324
157	0.002746	0.014396	0.036715	0.007017	-0.022907	-0.007613	0.734857	0.033774	-0.025154	-0.021761	0.03881	-0.044898	-0.041795	-0.0362
158	-0.043369	-0.058462	-0.00882	-0.037634	-0.061977	-0.033214	0.051837	0.421994	0.033128	0.024866	-0.089272	0.019872	0.002504	-0.046823
159	0.014673	0.027852	0.021725	-0.019952	0.019407	-0.016636	-0.005945	0.045861	0.394842	-0.029573	-0.019358	0.028739	-0.02828	-0.001772
160	0.043078	-0.012272	-0.026092	0.021129	0.034261	-0.066399	0.005098	-0.027204	-0.031494	0.306775	0.034331	0.03114	-0.023111	0.026145
161	-0.037894	-0.026678	-0.049658	0.031949	-0.008859	0.016099	0.018373	-0.073963	0.00604	0.048017	0.533139	-0.054749	-0.005405	0.090897
162	-0.019159	-0.071231	-0.016324	-0.051186	0.009174	0.011586	-0.064092	-0.013854	0.042095	0.030656	-0.037328	0.561713	-0.10416	-0.047692
163	0.047257	-0.10627	-0.006181	-0.057561	-0.035247	-0.047733	-0.049547	0.003333	-0.011353	-0.03379	0.006032	-0.097034	0.689461	-0.094862
164	-0.11314	-0.077229	-0.012754	-0.06895	-0.000566	0.005173	-0.009599	-0.057979	0.008535	0.050473	0.116764	-0.057967	-0.095346	0.627028

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
165	-0.042938	-0.028016	-0.044781	-0.013295	-0.096983	0.050019	0.010195	-0.044156	-0.00585	-0.095325	-0.064605	0.006482	-0.040324	-0.016862
166	-0.044091	0.042109	-0.008592	0.023549	0.033924	0.018146	-0.036858	0.005364	0.007962	-0.12863	-0.000365	-0.023319	0.058247	-0.022127
167	0.058849	-0.002286	-0.036915	0.038183	-0.041555	-0.028619	0.025421	-0.017266	0.032982	0.005902	0.047961	0.023939	-0.002213	-0.0097
168	-0.012721	-0.000072	0.011634	0.008327	0.059844	-0.006922	-0.066103	0.006141	-0.004684	0.020389	-0.051671	-0.010743	-0.04788	0.013495
169	0.049064	0.006544	0.023304	0.015262	0.010812	0.038558	-0.006703	0.012972	-0.030977	0.030631	0.01797	-0.010273	-0.014934	0.012665
170	0.009403	-0.006112	0.001708	-0.001478	0.024731	0.018952	0.0255	-0.000072	-0.041234	0.000481	0.005022	-0.004323	0.018651	0.010446
171	0.019443	0.000955	-0.000466	0.031742	0.026615	0.009467	0.01695	0.024358	-0.031971	-0.010924	-0.000826	0.012102	-0.017604	0.024663
172	-0.005258	0.035281	0.025465	0.001974	0.004271	0.081067	-0.014264	-0.003269	-0.015776	0.022062	0.023841	-0.01656	-0.003136	-0.009399
173	0.012344	0.039658	-0.005804	0.023713	0.004713	0.03239	-0.006248	-0.004184	0.004182	0.014526	0.000404	-0.055546	-0.00515	-0.001716
174	0.010442	0.013467	0.024698	0.006714	-0.009481	-0.001879	0.013738	0.005342	-0.028107	-0.030187	-0.065762	0.059647	0.007319	0.012462
175	-0.014744	-0.010499	0.013708	0.027799	-0.020679	-0.005912	-0.02768	-0.018089	0.047023	-0.063841	-0.075405	-0.01541	0.034157	0.062405
176	-0.010144	-0.014599	-0.004325	0.026005	0.026923	0.034607	-0.002076	-0.034268	-0.007485	-0.005804	-0.005074	0.05916	0.007472	-0.002287
177	-0.079846	0.009603	-0.031968	-0.036124	0.061634	0.004611	0.025712	-0.071951	-0.00037	0.043929	-0.054837	-0.033259	0.009183	-0.008181
178	-0.009403	-0.021786	-0.004562	0.019735	0.006222	0.068942	-0.02003	-0.008219	0.01909	0.049353	-0.005351	-0.056134	-0.014953	0.001986
179	0.013934	-0.001933	0.003799	0.010536	0.007617	-0.005013	0.004177	0.019403	-0.016525	0.016251	0.019352	0.004023	-0.004078	0.01905
180	0.019005	-0.010735	-0.017213	0.012717	0.011176	0.017731	-0.003657	0.002784	0.0127	0.012917	0.022435	-0.047238	0.005379	0.026067
181	-0.011759	-0.009018	-0.026563	0.012281	0.002086	-0.005689	0.016417	-0.007344	0.012093	0.005607	0.022887	-0.011659	0.026281	0.038461
182	-0.015115	-0.010792	-0.012903	-0.018567	0.000897	0.002107	0.026141	-0.024405	0.000416	0.014083	0.046768	-0.00351	0.028556	0.007732
183	-0.01137	0.011528	-0.007494	-0.01004	0.014464	-0.028477	0.012732	0.006435	-0.007798	0.031502	0.050732	0.044903	0.011453	0.00259
184	-0.011683	0.017976	0.008173	0.016653	-0.005603	-0.034055	0.001748	-0.028461	-0.021049	-0.033668	-0.002187	0.062222	-0.027625	0.025487
185	-0.009506	-0.013098	-0.008581	0.003418	-0.032183	0.003291	-0.031132	0.026544	0.038842	0.086166	0.030529	0.014092	-0.045649	0.01429
186	-0.040442	0.015393	-0.041263	-0.03371	0.01917	0.050476	0.03553	0.072208	0.005718	0.01793	-0.076456	-0.011957	0.026095	0.047176
187	0.012105	0.015066	0.012051	-0.018967	-0.005415	0.058669	-0.000869	-0.002569	0.01243	0.045917	0.040329	-0.027827	0.005638	-0.042671
188	0.034536	0.0385	0.011844	-0.030554	-0.028615	-0.001713	0.010396	-0.002194	0.011399	0.020897	0.01988	0.024325	0.006626	-0.027361
189	-0.004557	0.050187	0.008995	-0.031913	0.005501	-0.033214	-0.007052	-0.027474	-0.02846	-0.008605	0.02144	0.066308	0.01126	-0.04047
190	-0.04769	-0.015918	0.025709	0.043138	0.017404	0.041571	-0.011288	-0.023985	0.009746	-0.007433	-0.034478	-0.004994	0.020323	0.008614
191	0.005893	0.02519	0.061923	0.030076	-0.01395	-0.043184	-0.039632	-0.009381	0.005648	-0.054693	-0.044165	0.017883	0.0255	0.045416
192	-0.004159	0.004208	0.012289	-0.022688	-0.00115	0.004579	0.022919	0.034899	-0.005992	-0.027195	0.007498	0.032764	0.010837	-0.008581
193	0.025436	0.003899	0.007404	-0.029337	0.01725	0.027918	0.009794	0.023549	0.024143	-0.041126	-0.003666	0.001297	-0.007215	-0.054582
194	0.007928	0.000212	-0.026204	0.011682	0.011768	0.002068	-0.001984	-0.026782	0.024906	-0.022152	0.003992	0.006513	-0.005441	-0.009682
195	-0.007893	0.019269	0.033584	0.014332	-0.017621	-0.006151	-0.012417	-0.00699	-0.019503	-0.024739	-0.011086	-0.025588	0.001729	0.008807
196	-0.014279	0.030257	0.03965	0.023124	-0.018008	0.039538	-0.000549	-0.015897	-0.002429	0.012631	-0.004009	-0.008009	0.001178	0.030515
197	0.008162	0.035278	0.042766	0.03047	0.006232	-0.007075	0.013095	-0.063023	-0.045049	-0.000545	0.003219	0.045348	0.023085	-0.017625
198	0.011033	0.011493	-0.006647	-0.007295	0.011294	0.000769	-0.050109	0.00067	-0.033565	0.016579	-0.017256	-0.010175	-0.065719	-0.006033
199	0.010559	0.016233	0.010929	-0.029693	0.003647	-0.049535	-0.041022	0.0247	-0.024923	-0.000586	-0.014393	-0.006271	-0.042785	-0.084898
200	-0.027876	0.001517	-0.036347	-0.00094	-0.013099	0.058952	0.022006	-0.028403	0.004157	0.01074	-0.006243	-0.023973	0.026216	-0.077712
201	0.049133	-0.025499	-0.035855	0.028654	0.046455	-0.018758	0.004316	0.028247	0.092725	-0.028104	-0.01407	-0.037188	0.010741	0.00222
202	-0.04771	0.006754	0.038708	0.024737	0.009539	-0.030005	-0.00938	0.042513	-0.027738	-0.054636	0.045903	-0.00302	-0.001401	-0.006491
203	0.006654	0.003078	0.015856	0.023411	0.01863	0.038248	-0.05141	0.01921	-0.06361	-0.006796	0.016503	0.021297	0.011896	-0.041896
204	0.031039	-0.054046	-0.003808	-0.009099	-0.004461	0.076335	-0.022569	-0.027049	-0.055773	0.051665	0.011035	0.043408	0.0338	0.037652
205	-0.060523	0.020179	-0.016223	-0.022766	0.019611	-0.011526	0.010486	0.014193	0.007951	-0.010771	0.00935	-0.002381	-0.052551	-0.025408

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
206	0.016827	0.026928	0.01013	-0.001549	0.038292	0.035898	0.000568	-0.017527	-0.039813	-0.029129	-0.016191	0.06919	0.033632	0.007931
207	0.021986	0.001414	0.02101	0.018839	-0.003666	-0.026805	-0.000485	0.025181	-0.032791	-0.009802	0.074355	-0.011026	-0.040228	-0.077221
208	0.062924	-0.029126	-0.03206	0.001891	-0.021176	-0.02954	-0.026122	0.006103	-0.081523	0.023857	0.010631	0.031625	0.041698	-0.004654
209	-0.051248	-0.008783	0.001721	0.023806	0.012245	-0.04792	0.007759	-0.036023	-0.128142	0.031502	-0.009892	-0.014591	0.019699	0.077165
210	-0.031377	-0.038596	0.005962	-0.006773	-0.076238	-0.035914	-0.008331	-0.064217	-0.016776	-0.025198	-0.047014	-0.034887	0.031957	-0.04532
211	0.048219	0.077989	0.032872	-0.021209	0.031614	-0.008806	-0.035663	0.005849	-0.012914	0.091787	0.027261	-0.044836	0.047881	-0.015465
212	0.026838	-0.005151	-0.013295	-0.016601	-0.017745	-0.041452	0.020881	0.06346	-0.044908	0.004002	0.006189	0.050772	-0.019398	0.022261
213	-0.00862	0.011157	0.005271	0.041916	-0.003621	0.001267	0.016823	-0.007829	-0.010508	-0.017795	-0.021196	0.015699	-0.061925	-0.051662
214	0.029134	0.025761	-0.007522	-0.009235	0.008874	-0.005222	-0.013855	0.016172	-0.035849	0.014876	0.027074	-0.001728	-0.001088	0.019813
215	-0.051633	0.041233	-0.013562	-0.014534	0.007792	0.098993	-0.041113	-0.005705	0.027699	-0.044725	-0.000113	0.037739	-0.001119	0.022966
216	0.005677	-0.010327	0.006309	0.02554	0.016234	-0.022147	-0.043582	0.007248	-0.030228	-0.008819	0.021672	-0.035123	-0.033385	0.01115
217	0.001501	0.00356	0.05891	-0.026261	0.008568	0.013753	0.018118	0.085628	0.003401	0.099818	0.061675	0.00591	0.002572	-0.022282
218	0.027044	0.03199	-0.022818	0.001098	0.015092	0.011604	-0.001928	0.04634	0.000514	0.014735	0.003528	0.002901	0.013162	0.030297
219	0.001854	0.031001	-0.012829	-0.012901	0.008056	-0.030317	-0.012426	0.03462	-0.003387	0.018677	-0.000395	-0.016489	0.010903	0.009897
220	0.013701	0.008733	0.02466	-0.010073	-0.005802	0.015579	0.035524	-0.021253	-0.010949	0.004164	0.06153	0.026153	0.026927	0.000666
221	0.027754	-0.004609	-0.016642	-0.018992	-0.004646	-0.015223	-0.024441	0.018726	-0.028767	-0.060864	0.069659	-0.03671	-0.03553	0.022937
222	0.026962	-0.021481	-0.011591	0.009908	-0.022986	-0.019153	-0.011556	-0.026174	-0.011295	-0.024673	0.04425	0.003442	-0.039481	0.001396
223	0.020444	-0.034273	-0.050036	0.017924	-0.019109	-0.000872	0.023738	-0.046712	0.034791	-0.04448	0.02122	0.04658	-0.014353	0.001225
224	-0.004269	0.011247	0.033039	-0.011081	0.012318	-0.018065	0.03017	-0.000348	-0.001766	-0.023232	0.008868	0.03045	-0.015163	0.010076
225	-0.002319	0.006827	0.021079	-0.020679	0.012698	-0.011427	-0.006681	0.021437	-0.008823	-0.02272	0.020935	0.008462	-0.026334	0.006789
226	0.001121	0.009839	-0.019918	-0.020016	-0.009602	-0.006175	0.023151	-0.028923	0.042103	0.024767	-0.013376	0.015856	-0.001502	0.026246
227	-0.026414	0.008025	0.004254	0.005217	0.029748	0.028136	-0.017025	0.040808	-0.030697	0.025871	-0.017725	-0.005405	-0.000559	0.008269
228	0.016595	-0.022962	0.020506	0.020705	0.00628	0.077313	0.002154	-0.004197	-0.036834	0.007656	0.037598	0.009537	0.01617	0.002155
229	-0.03627	-0.006676	0.00516	-0.027403	0.037262	0.007396	-0.007112	0.017074	-0.086189	0.038424	0.00905	-0.060119	-0.018111	0.016625
230	0.014769	0.019018	-0.01549	0.001241	-0.000784	-0.00509	-0.02913	-0.010579	-0.006926	0.008773	-0.001743	-0.014312	-0.010798	-0.003451
231	-0.038514	-0.000215	-0.013645	-0.004064	0.014872	-0.036582	0.031982	-0.015442	0.004881	0.009499	0.023003	0.013791	-0.037528	-0.009569
232	0.00024	-0.008526	-0.019907	-0.023064	0.013578	-0.032713	-0.027865	-0.029628	-0.044634	-0.006175	0.032374	0.003108	-0.018308	-0.019957
233	0.003056	-0.000772	-0.018908	0.000159	0.015409	0.019762	0.014053	-0.009549	0.005549	-0.005011	-0.009957	0.026416	-0.022985	0.026529
234	0.028033	0.01115	0.011113	0.012641	0.006702	0.0166	0.043296	-0.014281	-0.014864	-0.030612	-0.020159	0.003984	-0.014815	-0.00451
235	-0.001303	0.030774	0.027835	0.000075	0.023116	0.012073	-0.045289	0.035443	-0.033135	0.011124	-0.029555	-0.044222	-0.005046	0.009155
236	0.027926	-0.017425	0.006186	0.006643	-0.002202	-0.010747	-0.007373	-0.011488	0.026682	0.0307	-0.014345	0.01428	0.005971	-0.032831
237	-0.024312	0.003655	0.012425	0.015084	0.020866	0.017557	0.006497	0.042848	-0.030663	0.013198	-0.004759	-0.044723	0.012653	-0.032689
238	-0.031955	-0.010177	-0.000303	-0.01656	-0.022538	-0.058282	0.020478	-0.000867	0.02125	-0.039223	0.005305	-0.008985	0.043917	-0.01441
239	-0.009191	-0.016951	0.000448	-0.01667	-0.021658	-0.036773	-0.011453	0.009479	0.027816	0.011413	-0.004665	0.010516	0.008499	-0.000183
240	-0.016763	-0.007447	0.007001	-0.011227	0.000254	-0.013044	0.033985	0.043064	-0.004917	-0.044841	-0.010226	-0.017113	-0.029931	0.02036
241	0.01207	-0.022948	0.018872	0.004202	-0.001544	0.025075	0.018109	0.032569	-0.006186	0.020253	-0.036885	0.030014	-0.002068	0.021716
242	-0.000092	-0.020219	-0.002672	0.00516	0.019463	-0.001584	-0.010555	-0.046809	0.019809	-0.030904	0.00522	0.029144	0.039277	0.009185
243	-0.006931	-0.011374	-0.021989	0.013981	-0.013356	-0.062343	-0.026952	-0.0016	-0.018297	-0.01511	-0.037376	-0.022469	-0.006765	0.013793
244	-0.000781	-0.017337	-0.036394	-0.002449	0.013777	0.039827	-0.023566	0.01507	-0.001589	-0.040434	0.020416	-0.008547	-0.007575	0.009626
245	0.009568	0.026611	-0.0126	-0.008256	-0.016092	-0.035897	-0.007878	0.02248	0.018664	0.004744	0.03821	0.018965	0.012003	-0.007058
246	-0.041954	-0.003713	0.01886	-0.017877	-0.018324	-0.013471	-0.007473	-0.03527	-0.027782	-0.006056	0.010184	-0.012445	0.009042	-0.031861

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
247	-0.004142	-0.00664	0.008437	0.015618	-0.023936	0.016952	-0.010544	-0.036437	0.040268	0.000799	-0.006575	0.017265	-0.017989	-0.020275
248	-0.002269	0.024149	0.001573	-0.001098	-0.013904	-0.026852	-0.019445	0.005966	0.016575	0.004082	0.019377	0.009987	-0.014137	-0.002072
249	-0.008239	-0.01656	-0.017488	-0.003783	-0.003661	-0.039487	0.014699	0.021901	-0.016595	0.050868	-0.048514	-0.026253	-0.037374	-0.002283
250	0.014248	0.013952	-0.008385	0.011953	0.000664	-0.008574	0.038811	-0.005216	0.033327	0.00762	-0.037791	-0.035181	0.00736	0.017969
251	-0.001675	-0.016014	-0.029918	-0.020141	0.013324	0.007123	0.025553	0.013468	0.004619	-0.046041	-0.001553	0.000888	0.028377	0.004236
252	0.029733	-0.025122	-0.003827	0.011711	-0.001463	-0.021744	-0.01937	0.007445	-0.039927	0.056203	0.003042	0.016142	0.00242	0.006784
253	0.025733	-0.023215	0.013262	0.011576	-0.037344	-0.033133	0.020945	-0.001004	0.014466	0.041748	0.000519	-0.006112	-0.009596	0.019458
254	-0.025885	-0.04527	-0.056132	0.001643	-0.001668	0.037207	-0.005752	-0.000111	0.007884	-0.020702	-0.051427	0.013797	-0.000635	0.006812
255	-0.023298	-0.021768	-0.026492	-0.01822	0.000797	0.040837	-0.006197	-0.026175	-0.024307	-0.039502	-0.02225	-0.004693	-0.004448	-0.00179
256	0.070382	0.016061	0.028779	0.001084	-0.029062	0.004827	-0.010266	-0.02046	-0.018095	-0.034265	-0.014423	-0.01349	-0.018307	0.016084
257	0.020203	0.009031	0.034153	0.021502	0.000165	-0.011106	-0.022614	-0.025043	0.013535	-0.022211	0.002403	0.01461	-0.003243	-0.014087
258	-0.001249	-0.003453	0.019719	-0.008907	-0.01533	-0.0103	-0.027943	0.017662	0.009007	0.031753	-0.000466	0.010924	-0.028816	-0.038592
259	0.007522	-0.002674	-0.039502	0.00685	-0.001184	0.023467	0.036586	-0.012024	-0.003912	0.022236	-0.023079	0.022901	0.023905	0.011923
260	0.036419	0.016904	-0.013398	0.034093	0.03561	0.019311	0.006245	0.036801	-0.04298	0.076557	-0.013837	-0.03476	-0.012498	0.015726
261	-0.007547	0.014559	-0.000931	-0.013455	0.022689	-0.005011	0.043736	0.033327	-0.072981	-0.011667	0.013888	0.002773	0.033047	0.006685
262	-0.008357	-0.014515	0.019138	0.008668	0.016937	0.006382	-0.022479	-0.030208	-0.012257	-0.00116	-0.00087	0.000819	0.002421	-0.00615
263	-0.005925	-0.011859	0.006535	0.023618	-0.000284	-0.031273	-0.028972	-0.015302	0.019548	0.007168	0.008759	-0.002304	0.018102	-0.000431
264	0.010551	-0.01115	-0.003979	0.020132	-0.011241	0.017696	-0.008177	-0.021939	-0.014942	0.022567	-0.024149	-0.034505	-0.035821	0.021525
265	0.025447	-0.013634	0.021487	0.012803	-0.00291	0.024942	-0.01667	-0.043033	0.018004	-0.003509	-0.042406	-0.00842	-0.040549	-0.036611
266	0.071923	0.020353	0.011779	0.001817	-0.001807	-0.026326	0.011023	-0.02283	-0.005919	0.006092	-0.008724	0.002185	-0.010741	-0.037137
267	-0.002164	-0.027962	-0.0097	-0.01409	-0.011195	-0.023161	0.051506	0.005669	-0.016197	-0.004289	-0.02885	-0.017716	-0.024699	0.048028
268	0.008761	0.002096	0.003702	0.017084	-0.005525	0.035385	-0.003318	-0.014627	0.007086	0.052394	-0.021121	0.017862	-0.024523	0.013777
269	0.004799	0.006708	0.009158	0.011617	0.005219	0.002334	0.013372	-0.029982	0.003753	0.03038	-0.01128	0.015176	-0.015722	0.032094
270	-0.007449	0.00837	-0.002576	0.004431	0.008112	-0.00791	0.016474	-0.018678	-0.003878	0.009191	-0.020616	0.014452	-0.000774	0.030786
271	-0.012636	-0.029942	-0.003055	0.022777	-0.022532	-0.054232	-0.024235	0.012337	0.066546	0.019567	0.004023	-0.050116	0.018184	-0.017713
272	0.002174	-0.006223	-0.006469	-0.033334	-0.010515	0.00792	0.034795	-0.012028	-0.004974	0.006165	-0.013549	-0.012556	0.015379	0.003838
273	0.010757	0.017855	0.006764	0.002467	-0.015311	0.027562	-0.006022	-0.009778	-0.001663	0.019631	-0.024224	0.040277	-0.006185	0.021677
274	0.002258	0.012333	0.012182	-0.002103	-0.009128	0.026517	0.000123	-0.011137	0.003728	0.017391	-0.021955	0.029481	-0.004849	0.017102
275	0.050595	0.020382	-0.033423	0.010391	-0.017003	-0.009451	-0.052635	0.027943	-0.031085	-0.021745	-0.013921	-0.011723	-0.013953	0.008964
276	0.024505	-0.01549	0.00601	-0.001239	0.003783	-0.017235	0.013065	-0.023375	0.030606	0.051742	-0.024264	0.013999	0.015171	-0.00765
277	0.017335	-0.011071	0.020834	0.024418	0.035836	0.041703	0.000614	0.058774	0.007874	0.01295	-0.025807	-0.020122	-0.007685	0.020898
278	0.027078	0.001761	-0.006373	0.019064	0.041146	0.033135	0.015169	0.051044	-0.001157	0.007675	0.004228	-0.004004	-0.000416	0.017336
279	0.019647	0.007251	-0.026718	-0.021761	-0.003484	-0.055052	0.012377	0.026499	0.017644	-0.007693	-0.0081	-0.010204	0.033714	0.023347
280	0.024316	0.00879	-0.006792	0.011756	-0.01767	-0.009225	0.00622	-0.039737	0.005198	0.012601	-0.011473	-0.00426	-0.026564	0.022033
281	-0.039703	0.050668	-0.01693	-0.02916	0.0082	-0.070756	0.010982	-0.064305	-0.022219	-0.033533	-0.016623	0.01471	0.012184	0.024663
282	-0.021442	0.010578	-0.013935	0.01052	0.012441	-0.053868	0.007316	-0.070566	-0.003673	-0.010988	-0.013382	0.016255	0.002456	0.030006
283	0.005863	0.010523	-0.02693	0.003555	0.008721	-0.033704	-0.0101	-0.00147	0.036624	-0.005915	-0.0233	-0.01815	-0.003487	0.026928
284	0.03823	0.020412	0.017659	0.011408	0.00738	-0.003623	-0.01877	-0.011199	0.009161	-0.027965	-0.000003	-0.011541	0.000192	-0.00294
285	0.013755	-0.003394	0.009516	0.015393	0.018132	0.025765	-0.020397	-0.02194	0.023412	-0.019479	-0.007789	0.013873	0.009327	0.001445
286	0.014041	0.017922	-0.037039	-0.01593	0.012173	-0.010157	-0.021696	0.007341	0.024035	0.024485	0.00915	-0.009649	-0.004302	-0.018717
287	-0.007983	0.001174	-0.023948	-0.004395	0.009928	-0.044026	-0.025371	-0.001099	0.016404	0.013812	0.015256	-0.003327	-0.001878	-0.022664

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
288	0.030135	0.012166	-0.002363	-0.008614	0.029717	0.018377	-0.044067	0.038039	0.012444	0.034746	-0.003622	-0.035217	-0.029482	-0.006445
289	0.017349	-0.012852	0.025255	0.010777	0.01512	0.023671	-0.058571	-0.017133	-0.008889	-0.031873	-0.006485	-0.021319	-0.012779	-0.018479
290	-0.004549	-0.000151	0.006437	0.010065	-0.0089	0.027588	0.003866	-0.028508	-0.029582	-0.05914	0.008759	0.00411	0.000235	0.009727
291	-0.005597	-0.002101	0.003155	0.01131	-0.003962	0.033174	-0.000554	-0.032588	-0.025488	-0.053599	0.005112	-0.012032	0.003908	0.015419
292	-0.006473	-0.001084	0.006651	-0.007084	-0.022894	-0.004461	-0.009104	-0.023441	-0.015707	-0.058382	-0.001866	0.00039	0.024401	0.027108
293	0.038899	0.024147	-0.047568	-0.011974	-0.005182	0.029059	-0.001727	-0.016561	0.0299	0.011195	-0.040536	-0.026002	0.000168	0.024499
294	0.016144	0.017192	-0.002762	-0.003535	0.013362	0.025477	-0.014556	0.007271	0.008497	0.013867	0.004036	-0.024033	-0.047655	0.003072
295	0.002791	0.01974	-0.0178	0.005108	0.005416	0.012154	-0.019834	0.002423	0.029668	0.017414	-0.020602	0.000797	0.004248	0.008337
296	0.039828	-0.012972	-0.008905	0.002829	-0.026767	0.007091	0.004117	0.011144	0.043899	-0.011602	0.011075	-0.014765	0.001112	0.049943
297	0.011347	0.01212	0.006927	-0.004823	0.016991	-0.013636	0.004774	0.001344	0.009831	0.002377	-0.007687	0.003613	-0.015226	0.029828
298	-0.00622	0.038377	0.036948	-0.006354	-0.017459	-0.019189	0.009005	-0.036098	-0.022108	0.059673	-0.028956	-0.04619	-0.010286	0.010412
299	-0.009766	-0.01866	-0.013597	-0.008042	0.011668	0.001923	0.029693	-0.003053	0.043118	0.03705	-0.013368	0.016725	-0.018517	-0.031205
300	-0.004976	0.048618	0.043436	0.004882	0.022591	0.01653	-0.000086	0.015792	-0.051137	-0.031731	-0.014856	0.000811	-0.026229	0.004075
301	0.004656	0.004318	0.008061	0.008735	0.025288	0.002978	-0.02133	-0.003638	0.013191	0.003124	0.016828	-0.005024	-0.019649	-0.030461
302	-0.033288	-0.007338	-0.007494	-0.006179	0.019998	0.026614	-0.002263	-0.003767	0.019348	0.034068	0.020987	-0.00626	-0.007351	-0.024468
303	-0.022807	-0.011121	-0.017309	-0.008871	-0.000282	0.007413	0.027237	0.003474	0.045793	0.045614	0.046906	-0.003726	-0.016422	-0.049277
304	-0.030027	-0.000634	-0.021981	-0.018208	-0.009408	0.012279	0.044087	0.050114	0.080628	0.04395	0.040053	-0.003357	0.007111	-0.046359
305	-0.042948	-0.004949	-0.02472	-0.010566	0.007636	-0.015187	-0.019461	0.004997	-0.009791	-0.027534	0.011114	-0.006602	0.036123	-0.019243
306	-0.015835	-0.021648	-0.002369	0.007842	-0.002505	0.004088	0.014457	0.017769	-0.020553	-0.00651	0.023291	0.004194	-0.018284	-0.054207
307	-0.025244	0.006826	-0.047264	0.018352	-0.051362	-0.041454	0.037426	0.031538	0.009386	0.001526	0.044858	-0.019998	0.014017	-0.002865
308	-0.007856	-0.031021	-0.01844	-0.008846	0.005413	0.008492	0.0354	0.031016	0.028104	-0.020176	0.025575	0.018829	0.015379	-0.020464
309	-0.027078	-0.023703	-0.029175	0.00864	0.006292	-0.025877	0.008052	0.008366	0.009035	-0.028592	-0.007623	-0.000021	0.005596	0.005541
310	-0.012728	-0.022342	-0.027376	0.018126	0.011787	0.01266	0.01522	0.013636	0.022413	-0.010281	0.033313	0.004208	0.021159	-0.028811
311	0.010939	0.000591	-0.009188	0.008867	-0.01289	0.057235	-0.018007	0.021121	-0.049386	0.035356	-0.027148	-0.014725	0.012253	0.031618
312	-0.019886	0.03556	0.019968	-0.03165	0.019309	-0.019014	0.028461	-0.069621	-0.004338	-0.044164	-0.040533	-0.02517	-0.0168	0.015525
313	0.025057	0.018145	0.025197	0.012999	-0.003344	0.010415	-0.005446	0.00199	0.00599	0.021746	0.011973	-0.001935	0.067868	-0.006429
314	-0.011941	0.010842	0.042422	0.02658	-0.029948	0.053289	-0.036758	0.039833	-0.010627	0.040794	0.053424	-0.041216	0.070625	-0.006475
315	-0.045062	-0.020812	0.004316	0.003663	0.020987	-0.00426	0.002312	-0.002858	0.013246	-0.007143	0.002473	-0.008385	0.024494	-0.026252
316	0.070888	-0.021594	-0.010586	0.027395	-0.000896	0.079208	0.010887	-0.048899	-0.104432	-0.006219	-0.055014	0.012653	-0.013039	0.03131
317	-0.014851	0.000611	0.005292	0.040615	0.024076	-0.019063	-0.035117	0.015604	0.008029	-0.054534	-0.001594	-0.026115	0.008084	0.012361
318	0.017696	-0.018629	-0.044978	-0.001167	-0.004576	0.029454	-0.017631	0.066417	0.007196	0.017301	0.055454	0.022632	0.037653	0.001992
319	-0.013749	-0.018872	-0.006062	0.020686	0.009186	-0.029952	-0.02237	0.004702	0.015827	-0.009192	0.008558	-0.01824	0.007364	0.010957
320	0.065935	-0.040061	0.017274	-0.011457	-0.065737	0.030729	-0.026528	-0.018239	0.004947	0.025774	-0.052522	-0.014516	-0.027736	-0.001237
321	0.041129	-0.035838	0.000748	0.008249	-0.009416	0.052585	0.016484	0.010155	-0.067259	0.014133	0.008565	0.036272	0.023485	-0.042218
322	0.025138	-0.005168	-0.028261	-0.031769	0.020501	0.060818	0.032521	0.003108	0.075487	-0.012878	0.020495	-0.036528	-0.040297	0.010571
323	0.02939	0.024008	-0.016274	-0.016865	-0.034996	-0.024802	0.025034	-0.02277	-0.046621	0.031623	-0.015624	0.030666	0.002094	-0.05118
324	0.019186	0.01201	-0.056313	-0.034128	0.016374	-0.0439	0.022703	-0.044464	0.043758	0.008038	0.0067	-0.029748	-0.007638	0.042717
325	0.023291	0.023388	-0.006956	-0.007199	-0.002248	-0.009417	0.024677	-0.034713	0.008849	-0.022668	0.047662	0.002473	0.023417	0.040814
326	-0.01701	0.006652	0.013174	-0.012387	-0.032392	-0.08565	-0.021495	0.008937	-0.04238	-0.020312	0.018139	-0.018975	0.002068	-0.013905
327	-0.031442	-0.047459	-0.041213	-0.023834	-0.017185	0.006122	0.024963	0.003125	-0.01628	-0.005322	0.001531	0.002069	0.030574	-0.018342
328	-0.018549	0.020225	0.033564	-0.0129	-0.007643	-0.03316	-0.006582	0.014616	-0.020585	-0.009507	-0.010994	-0.011215	0.010688	0.002518

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
329	-0.003414	-0.029014	-0.039827	-0.003227	0.000638	0.008371	0.002634	-0.003434	-0.04753	0.000387	0.00211	-0.018003	0.015573	-0.026159
330	-0.060719	0.025473	-0.036196	-0.026165	0.045336	0.018365	-0.039237	-0.04467	-0.017629	0.04328	-0.017126	0.049297	0.011201	-0.007612
331	0.00152	-0.006437	-0.012671	-0.011179	-0.016527	-0.005794	-0.005225	-0.028344	-0.015377	0.023231	-0.013342	-0.053278	-0.013447	-0.015878
332	-0.029539	-0.013329	0.01936	-0.022945	-0.019598	-0.006706	0.026785	0.111451	0.013545	-0.001878	0.034368	-0.026882	-0.013266	0.018761
333	0.017787	0.007112	-0.004982	0.012737	-0.006555	-0.035828	-0.002959	-0.043117	-0.006929	-0.039487	0.027262	-0.012189	0.006091	0.028872
334	0.022099	0.006056	0.030052	0.011876	0.058579	0.012881	0.011321	-0.002595	-0.045679	-0.009158	0.067114	0.008658	-0.046928	-0.006764
335	0.012525	0.016373	-0.059894	-0.010893	-0.008234	-0.004081	0.031329	0.003458	-0.01854	-0.00972	-0.003676	0.013871	0.022988	-0.004753
336	-0.037262	-0.012942	0.017826	0.031029	0.000427	0.013098	-0.012223	0.013177	0.009865	-0.037997	-0.043787	-0.036934	-0.036428	-0.025211
337	-0.02291	-0.000399	0.002688	-0.01942	0.009453	-0.040126	-0.02777	-0.008652	0.021181	-0.034567	-0.046241	-0.029003	-0.025419	-0.006587
338	0.07548	0.016475	-0.019781	-0.009388	-0.054089	-0.02883	0.063969	0.013675	-0.063985	0.030206	-0.027901	0.025477	-0.051543	0.024033
339	-0.003717	0.004564	-0.004844	-0.015485	-0.00692	-0.003508	-0.016367	0.05419	-0.07642	-0.00018	-0.000175	-0.016909	0.023091	-0.00628
340	0.03381	0.026057	0.026227	0.02286	-0.004718	0.026842	-0.022313	0.01512	0.015724	-0.050164	0.032225	-0.009848	0.023158	-0.009197

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
1	0.001162	0.01776	0.01156	-0.031749	-0.021433	-0.067909	-0.021191	0.069916	0.076592	0.000504	0.014054	-0.031871	-0.052233	0.052033
2	0.112354	-0.005464	-0.107432	-0.003331	0.043281	-0.008789	0.03788	0.032563	-0.001439	-0.061729	-0.04314	0.073669	-0.04319	0.087867
3	-0.029184	-0.087535	0.03475	0.024066	-0.041169	-0.04058	-0.02678	-0.001401	0.019277	0.078701	-0.003468	0.027039	0.087035	0.011911
4	-0.00785	0.128845	-0.02837	-0.00968	0.022365	0.044342	0.022897	0.036475	-0.011934	-0.036477	-0.025848	-0.043124	0.071303	-0.051291
5	-0.006814	0.023991	0.00562	0.031838	0.014764	-0.000997	0.021203	0.016968	0.009497	0.020747	-0.01059	-0.012587	-0.037653	-0.066987
6	0.062778	-0.051447	0.08618	-0.016627	-0.026928	-0.004921	-0.022326	-0.029444	-0.068837	-0.118654	-0.074595	0.081361	-0.02748	0.001747
7	0.078912	-0.097467	-0.0604	-0.02852	-0.068394	-0.064701	-0.045817	-0.053297	0.006802	-0.001692	-0.026543	-0.073776	0.016914	-0.01869
8	-0.043825	-0.016752	0.05258	-0.033955	0.015094	0.035787	0.018664	-0.028457	-0.005602	-0.034514	-0.06003	0.013309	0.128689	0.007813
9	0.039742	-0.169571	-0.025646	-0.042155	-0.031877	0.026114	0.029224	-0.056762	-0.045417	-0.015234	-0.018702	0.056182	-0.063121	-0.075475
10	0.053795	0.02237	0.050425	-0.011394	-0.013471	-0.007926	-0.031234	0.048054	0.003375	0.021921	0.056195	0.026238	0.034239	-0.043154
11	-0.030437	0.068323	0.02071	-0.008425	0.003424	-0.02471	-0.024659	-0.008732	-0.051382	-0.006907	0.077339	0.008827	-0.025362	-0.020477
12	0.01075	0.036426	-0.003855	0.02096	0.016324	-0.013925	0.01287	0.016707	-0.021506	-0.037965	0.018209	0.059729	-0.038073	0.008582
13	0.074043	-0.006187	0.057166	-0.067224	0.026864	0.017417	0.046199	0.046178	-0.030053	-0.068844	0.036791	0.01067	-0.055112	0.046656
14	0.074003	-0.050172	-0.088021	0.037258	-0.000069	0.042036	-0.016209	-0.034973	-0.034128	0.020159	-0.004906	0.012357	0.037976	0.039508
15	0.094377	0.03065	0.049135	-0.028686	0.031344	0.0835	-0.021809	-0.083383	-0.104576	-0.045414	0.001387	0.01501	-0.02876	-0.034538
16	0.04681	0.003376	0.04234	-0.007344	0.053506	0.057967	0.011277	0.037299	0.046651	0.057461	0.062029	0.001561	0.026157	0.001555
17	-0.039722	0.088586	-0.114903	-0.052866	-0.016281	0.003234	-0.024934	-0.023921	-0.048467	-0.053002	-0.037652	-0.010548	-0.042038	0.035328
18	-0.109986	-0.104765	0.012824	-0.00506	-0.066124	-0.063185	-0.062272	-0.056848	-0.002158	-0.032738	-0.043072	-0.067273	-0.093742	0.002889
19	-0.024049	-0.040795	-0.077355	-0.033981	0.000898	0.00746	-0.001205	0.00992	-0.000075	0.014567	0.136044	-0.030852	-0.024646	-0.00026
20	-0.02159	0.098697	0.021265	-0.074887	-0.060027	-0.077687	-0.033911	0.064862	0.067085	0.043685	-0.024678	-0.030099	-0.105563	-0.016991
21	-0.027922	0.045581	0.037823	-0.066323	-0.011334	-0.030682	0.01226	-0.072618	-0.024275	0.007296	-0.167713	-0.068006	-0.083695	-0.032703
22	0.046955	-0.000653	-0.014234	0.099248	-0.009929	-0.00461	0.004966	-0.016054	-0.053036	-0.118986	-0.088918	-0.037636	-0.098653	-0.020087
23	-0.010891	-0.054785	-0.079101	-0.015583	0.028156	0.021092	-0.003194	0.039588	0.009482	-0.026341	-0.017841	-0.075921	0.034177	-0.034036
24	0.016967	-0.010255	0.006918	0.06947	0.089033	0.066956	0.058294	0.031742	0.011087	-0.053672	0.020836	0.061357	0.040267	-0.060584
25	-0.002903	0.11382	0.151266	-0.085115	0.027191	0.020384	0.00959	-0.010506	-0.028496	0.025537	0.03266	0.055466	0.134824	0.032083
26	-0.090246	-0.03129	0.08082	-0.069514	0.046659	0.02315	0.026122	0.026971	0.000645	0.107768	0.040566	-0.043187	-0.036305	-0.020457
27	-0.07717	-0.082413	0.009554	0.041182	-0.007522	-0.003257	0.057003	-0.032614	-0.018017	-0.050807	-0.011776	-0.041636	-0.013583	0.012279
28	0.07434	-0.009191	-0.045115	-0.177208	0.044565	0.071987	-0.01462	-0.006358	0.012852	0.009935	0.034033	-0.118679	0.02981	-0.014591
29	-0.046138	-0.062933	-0.003583	0.010586	0.00339	-0.031883	-0.008778	0.005687	0.0287	0.034094	0.019715	-0.012099	0.004716	-0.035608
30	0.061827	0.026683	-0.034592	-0.011076	-0.07333	-0.103418	-0.052009	0.005874	0.012184	0.010266	0.043957	0.000183	-0.074354	-0.077136
31	0.111147	-0.047985	-0.138249	0.021061	0.067736	0.109547	0.098785	0.060251	-0.002887	-0.032094	-0.035384	0.109819	-0.102026	0.02967
32	-0.057625	-0.080077	-0.022391	-0.063145	0.027727	0.013572	0.033872	0.039796	0.028739	-0.053404	-0.064656	0.049207	0.0647	0.002498
33	-0.017399	-0.1099	-0.013331	0.012443	0.031392	0.017147	0.01536	0.007928	0.025028	-0.015602	0.109424	0.073061	-0.026834	0.016741
34	0.087655	-0.073421	-0.01476	0.028669	0.008802	-0.004788	-0.029886	-0.028688	0.047003	-0.005428	0.106833	0.025512	-0.149073	0.01772
35	0.092508	-0.070503	-0.028573	-0.047373	-0.030156	0.011666	-0.015741	-0.028709	-0.043468	-0.011137	-0.020844	0.00314	0.075378	-0.001916
36	0.004718	-0.008674	0.006594	0.001578	0.07954	0.10522	0.054944	0.065709	0.008191	0.028809	0.040137	0.030585	0.020996	-0.004999
37	-0.034238	-0.049117	0.156651	-0.037086	-0.050259	-0.056807	-0.095058	0.038672	-0.034982	-0.035738	-0.042939	0.030793	0.145986	0.049557
38	0.104679	-0.063861	0.104959	0.013534	-0.076356	-0.071837	-0.036417	-0.036684	-0.003693	0.044565	0.029267	-0.047528	-0.066619	0.004634
39	0.110426	0.102593	-0.056079	0.021439	-0.000542	0.017098	-0.00529	-0.087082	-0.049175	-0.076102	-0.0661	-0.002919	0.011305	0.034315
40	-0.082983	0.033447	0.034631	0.014501	0.037082	0.040356	0.020818	0.039732	0.021675	0.029609	0.00763	0.025115	0.114787	0.016671
41	0.074201	-0.052225	0.144658	-0.050251	0.011302	0.050662	-0.001564	0.036127	0.027675	-0.070747	-0.05922	0.029128	-0.0896	-0.005003

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
42	0.001079	-0.037753	0.019943	-0.012841	-0.006974	0.005504	0.004062	0.003652	-0.005704	-0.003688	0.006443	0.011724	0.001675	-0.025116
43	-0.166464	0.046263	0.070483	0.005981	-0.023001	-0.045441	-0.012625	-0.070833	-0.063554	-0.055183	-0.203573	-0.073652	-0.001211	-0.019142
44	0.02946	0.162928	-0.025485	-0.034119	-0.054891	-0.046337	-0.044391	-0.02463	-0.020711	-0.008079	0.03325	0.0069	0.069891	0.021181
45	-0.006412	0.005386	-0.001102	-0.033088	-0.033352	-0.04266	-0.011905	-0.016757	-0.009955	0.007542	0.048985	0.014118	-0.084384	-0.028168
46	0.041851	-0.006143	-0.044797	-0.021671	0.04928	0.002436	-0.026527	0.061727	0.031149	0.106151	0.038095	-0.038223	-0.005323	0.036371
47	-0.093911	-0.098073	0.072801	-0.03467	0.033836	-0.005128	0.009097	0.049808	0.005118	0.003396	0.117832	0.028492	-0.129228	0.031593
48	-0.03207	0.087642	-0.001017	0.030198	0.071725	0.077637	0.074377	0.09532	0.053606	0.069857	0.039701	0.128834	-0.001451	0.018779
49	0.099937	-0.000901	-0.037079	0.09523	0.060797	0.045177	0.080078	0.050158	0.038729	0.027484	0.023169	-0.00516	-0.016234	0.080905
50	0.082687	-0.013693	0.076513	0.01659	0.067159	0.039507	0.041751	0.050829	0.097463	-0.03904	-0.073919	0.018943	-0.040599	0.156265
51	0.023014	-0.014561	0.078165	-0.060285	0.004939	-0.021733	0.040269	0.028692	0.021618	0.021061	0.063972	0.050036	0.079917	0.037532
52	0.054629	-0.002955	-0.094403	0.016076	0.015139	0.08601	0.000116	-0.022622	0.041977	0.039641	0.051793	-0.066741	0.027985	-0.050271
53	0.242051	0.125238	0.103286	-0.065203	0.031116	0.029047	-0.003593	-0.001772	0.001574	-0.06739	-0.09174	0.019678	0.004783	-0.05843
54	0.017081	-0.028979	0.012257	0.018631	-0.045274	-0.034009	-0.020865	0.03615	0.081258	0.022148	-0.071299	-0.074128	0.098891	-0.066194
55	-0.058174	0.077052	-0.019918	-0.016006	0.021891	0.060296	0.017635	-0.026506	0.079702	0.029351	0.033032	-0.068362	0.009237	-0.042626
56	0.021541	-0.109322	0.020739	0.036011	0.000194	0.000321	0.020481	0.057147	0.04351	0.013869	-0.058855	0.075214	0.040053	-0.050857
57	0.025913	0.143414	0.042039	0.021723	0.064595	0.107781	0.053077	0.028891	0.032926	0.080288	0.107637	0.009932	0.008978	0.05026
58	0.048714	-0.008061	-0.04847	0.012395	0.00825	0.032908	0.048319	0.020314	0.046853	0.078656	-0.02342	0.035769	-0.014709	0.009897
59	-0.168488	-0.143071	0.022062	0.001969	0.015621	0.019183	0.048561	0.002771	-0.027777	0.015669	0.034836	0.028378	-0.021667	0.011811
60	0.004726	-0.078693	0.025149	0.030831	0.008922	-0.00331	0.019965	0.044567	-0.012193	0.027708	-0.061006	0.006812	0.026141	0.029815
61	0.090292	0.061673	0.08765	0.08529	-0.033584	-0.071576	-0.013732	0.011344	0.051901	0.044594	0.110682	0.083797	-0.108823	-0.023358
62	-0.050313	0.066332	-0.098202	-0.045121	0.004167	0.039169	-0.018069	0.004823	-0.004008	-0.031056	0.048258	-0.002758	-0.067898	-0.026857
63	-0.063475	0.020908	-0.026683	-0.051508	-0.032839	-0.033746	-0.024155	-0.094782	-0.105957	-0.017222	0.031905	-0.035033	0.001672	0.093435
64	0.008193	0.089685	-0.091857	0.036047	0.018599	0.041047	0.060375	0.008188	0.050992	0.003881	0.080915	0.056976	0.028104	0.038044
65	0.071467	-0.10514	-0.039233	-0.008655	0.016528	-0.004381	-0.031335	0.034833	0.049987	0.015818	-0.039142	0.011263	-0.009512	0.033993
66	0.111784	-0.061321	0.012445	0.059976	0.036674	0.052276	0.018618	-0.018246	-0.013601	0.028968	0.002116	-0.04557	0.192173	-0.046176
67	0.038543	0.089474	0.018067	0.025072	0.018695	-0.021352	0.025528	0.031472	0.042602	0.053656	0.042901	0.007876	0.008739	0.035095
68	-0.028535	0.033125	-0.063124	-0.045537	0.058851	0.040353	0.030793	0.047682	-0.020329	-0.079973	-0.042087	-0.030335	0.061535	0.010334
69	-0.117609	0.016322	0.002915	0.061573	0.015826	0.017409	-0.012293	-0.026869	0.001664	0.001568	0.004422	0.091919	-0.133371	-0.077441
70	-0.048764	0.061867	0.006952	-0.07298	0.065126	0.08866	0.006086	-0.012562	-0.067104	-0.010392	-0.044519	-0.011237	0.128757	-0.018882
71	0.098386	0.052092	-0.055674	-0.015587	-0.097391	-0.06555	-0.116468	-0.044891	-0.074973	-0.02417	0.02296	-0.066024	0.11863	-0.040542
72	-0.081025	-0.10537	0.089444	-0.016409	0.049536	0.036467	0.037979	-0.003873	0.041873	-0.0135	-0.044156	-0.084504	-0.084896	0.055013
73	-0.085038	0.012516	-0.018178	0.091557	0.008484	-0.009507	0.02429	0.060076	-0.006642	0.007642	0.024305	0.027484	-0.072064	-0.041075
74	-0.004395	-0.064422	0.031563	0.021008	0.017065	-0.019232	-0.040996	0.007127	-0.017072	-0.021617	-0.003287	-0.049683	0.02522	0.010824
75	0.042015	0.059405	0.095605	-0.076671	0.011925	-0.048954	0.001626	0.037674	0.02321	0.000282	-0.093229	0.077921	-0.062539	-0.050423
76	-0.097421	-0.071417	0.023708	0.085284	0.017062	0.04229	0.011337	-0.022946	-0.012371	0.01965	0.016836	0.010931	0.061901	0.02182
77	-0.086331	0.011802	0.125452	-0.019044	0.024653	-0.011685	0.009642	0.071731	0.102243	-0.042279	0.004537	-0.069318	0.057384	-0.016892
78	0.105133	-0.051825	-0.154693	0.083954	-0.03531	-0.03573	0.021273	-0.004826	0.029091	0.116298	-0.009296	-0.053368	-0.113694	0.061855
79	-0.040583	-0.065058	0.008893	-0.012546	-0.027435	-0.028399	-0.009864	-0.038987	-0.025721	-0.063253	0.002487	-0.005864	0.020967	0.032298
80	-0.075007	0.001462	-0.035945	-0.007089	-0.035647	-0.049072	-0.011919	-0.004096	-0.025111	-0.117571	-0.187261	0.042111	0.018551	0.041719
81	0.08139	0.040038	-0.04955	0.096085	0.005234	-0.040721	0.062345	0.012725	0.005487	-0.009431	0.037216	0.051606	0.025395	0.003478
82	0.028917	0.04326	-0.073414	0.043853	-0.045183	-0.002812	-0.044853	0.008834	0.034702	0.017849	-0.018291	-0.118683	0.063825	-0.080748

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
83	-0.057462	0.014478	0.128732	0.379066	0.071132	0.056215	0.082961	0.001411	-0.060865	0.005632	0.035102	0.010191	0.170552	0.000725
84	-0.007277	0.073716	0.095077	-0.144184	0.046409	0.017706	0.059307	0.037535	-0.077471	0.089121	-0.054797	0.103972	-0.151884	0.019189
85	-0.032733	0.013867	-0.004511	-0.158388	-0.02818	-0.023517	-0.018763	-0.027484	0.010564	-0.01263	0.061012	-0.068565	-0.022602	0.03198
86	-0.120749	0.074133	0.030681	-0.057588	0.030344	0.055422	0.038589	0.037517	0.025455	0.003309	-0.047127	0.097457	0.148618	0.014418
87	0.185392	-0.023282	-0.009041	-0.061918	-0.054217	-0.029479	-0.042622	-0.071738	-0.024594	0.005105	0.064188	0.000673	0.116386	-0.034541
88	0.126419	0.003041	0.066947	-0.045436	0.00453	0.030002	0.044275	0.003062	0.132807	-0.073404	-0.109395	-0.059634	-0.069835	-0.064885
89	0.031194	0.064827	0.068392	-0.020333	-0.030861	-0.001948	-0.00884	-0.05428	0.00128	-0.050462	-0.063861	0.008513	0.0943	0.060438
90	-0.170928	-0.010131	-0.187601	-0.028294	-0.021431	-0.019747	-0.073217	0.000853	0.069988	0.041816	0.019952	-0.048272	0.023654	0.023841
91	0.055137	-0.036451	-0.080326	0.066805	0.026105	-0.020555	0.013479	0.04776	0.009345	0.008307	-0.016692	0.020933	-0.182468	0.018717
92	0.043617	0.049407	-0.010007	0.023695	-0.083093	-0.060798	-0.115508	-0.041007	-0.026799	-0.044156	-0.005182	-0.004166	0.051092	-0.00244
93	0.095439	0.041596	-0.088051	-0.003424	-0.026007	-0.055047	-0.038779	0.008329	-0.029767	0.009448	0.072898	0.093358	-0.000501	0.003116
94	-0.055306	0.018616	0.021872	0.081257	0.006452	-0.038625	0.014252	-0.040154	-0.054664	0.016712	0.098985	-0.009032	-0.007512	0.014719
95	-0.050813	0.008561	0.002684	0.093794	-0.021536	-0.026837	-0.037109	-0.041724	-0.022066	0.054887	0.053577	-0.024395	-0.12027	-0.012368
96	-0.075936	-0.050752	0.053493	-0.134649	-0.007313	-0.012326	0.015083	0.095901	0.052064	0.031872	0.076524	0.043015	-0.055879	0.03736
97	-0.085046	0.00835	-0.001245	0.010631	0.041186	0.055907	0.039306	-0.029309	-0.035595	-0.015465	-0.053386	-0.051596	-0.062889	-0.09434
98	0.021513	0.038932	-0.006676	-0.000911	0.027988	-0.008117	0.075158	0.012369	0.044634	0.037547	0.085055	0.054853	0.07771	-0.084667
99	0.061403	0.053584	-0.036035	0.007154	-0.017307	-0.055977	-0.00101	-0.050913	-0.005338	-0.034364	0.047484	-0.025473	0.001644	0.048523
100	0.035725	0.047571	0.021763	-0.027048	-0.000994	0.022743	-0.02221	-0.031471	-0.015268	0.007783	0.022328	-0.026122	0.068191	-0.054297
101	0.030348	-0.013946	-0.001001	0.028402	-0.032193	-0.036382	-0.015913	0.012282	0.022406	0.02276	0.025266	0.004188	0.018368	-0.062033
102	-0.019227	0.028736	0.017247	0.049084	0.034319	0.038176	0.052667	-0.035185	-0.047381	-0.04428	-0.023372	-0.05343	-0.002636	0.010244
103	0.006005	-0.036623	-0.023012	-0.004467	0.002332	0.012529	-0.001402	-0.003856	0.002344	0.029357	0.025177	-0.011989	-0.030077	-0.0205
104	-0.022851	0.042379	-0.088304	0.052741	0.01083	0.030793	0.027077	0.001975	0.018194	0.005827	0.004764	0.014548	0.017821	-0.003903
105	-0.027751	0.035614	-0.004221	0.035143	0.004414	0.012922	-0.013629	-0.026786	-0.022833	0.025398	-0.002354	-0.017062	0.034988	-0.005205
106	0.021677	-0.015703	-0.042253	-0.004678	-0.042277	-0.029076	-0.018318	-0.042999	-0.021598	-0.036117	0.02357	-0.0332	-0.04465	-0.027567
107	0.000208	-0.017317	0.01264	-0.020352	0.025249	-0.003593	-0.007213	0.039833	0.059548	0.038227	0.016681	-0.048987	0.005369	0.001029
108	0.039942	-0.035773	-0.038442	0.015566	0.009812	0.036147	0.005773	-0.02757	-0.001749	0.041341	0.032614	-0.009494	0.031338	0.025079
109	0.003306	-0.043506	-0.012337	-0.010082	0.030097	0.039819	0.028097	0.024941	-0.009747	0.009492	0.000711	0.04353	0.048388	0.016405
110	0.001432	0.010969	0.009761	0.025998	-0.017849	-0.016188	-0.019287	0.008388	0.023768	-0.012283	0.045452	0.020078	0.058738	-0.008319
111	0.027189	0.045912	-0.013392	0.060821	0.022005	0.040124	0.023862	0.012849	-0.007175	0.006618	-0.010236	-0.016911	0.01577	0.000565
112	0.030234	-0.066562	-0.021456	0.063302	-0.020561	-0.012921	0.018129	-0.022732	0.00813	0.033065	0.021982	-0.000889	0.037205	-0.0093
113	0.030484	0.023844	-0.054493	-0.01879	0.025275	0.013154	0.030911	-0.004276	0.004603	0.004052	-0.062578	0.009056	0.006962	0.046122
114	0.030274	-0.01812	-0.024713	0.034831	-0.001104	0.001213	-0.008894	-0.027417	0.000732	0.03367	0.041394	0.045414	0.063836	0.022134
115	0.033238	0.008366	-0.010599	-0.011973	0.046484	0.04649	0.030557	-0.010344	-0.046079	-0.033858	-0.038313	0.036904	0.000495	0.012005
116	0.042125	0.049412	0.04828	-0.030055	-0.010347	-0.030549	-0.017545	-0.012476	-0.003447	-0.017128	0.016879	0.002267	0.022806	0.037266
117	0.0264	-0.026961	0.02684	0.018904	-0.009983	-0.007538	-0.025518	-0.015369	-0.033904	-0.001731	-0.040036	-0.011465	-0.030396	0.037796
118	-0.008711	-0.011725	0.014147	0.008882	0.00525	0.034784	0.002296	0.005575	0.013118	-0.005815	-0.103609	0.003317	0.003915	-0.008783
119	0.0136	-0.038293	-0.027952	-0.001733	-0.006121	-0.012675	-0.008836	-0.029059	0.00562	0.007833	-0.025344	0.002778	-0.014019	0.009132
120	0.031677	-0.008702	-0.022943	-0.008262	-0.017188	-0.011569	-0.029651	-0.03954	-0.014221	0.01226	-0.006102	-0.034938	-0.009443	0.014238
121	0.045814	-0.002101	0.017602	0.028869	-0.027634	-0.024896	-0.057375	-0.037312	-0.017258	-0.021218	0.021583	-0.036992	0.041787	0.000983
122	-0.029714	-0.009081	-0.063265	0.013953	0.019129	0.025383	0.007889	0.041364	0.021564	0.030629	-0.002584	0.002429	-0.010723	0.003592
123	0.015007	0.000766	0.00406	-0.000891	0.013478	0.015203	-0.029748	0.020332	0.021839	0.019243	0.008948	-0.013259	0.036063	0.011826

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
124	0.015494	-0.046747	-0.008994	0.008852	-0.011517	-0.015126	-0.006051	-0.04528	0.014787	-0.011124	-0.012561	-0.058608	-0.014055	-0.011141
125	-0.026204	0.014997	0.015659	-0.024264	0.025208	0.030489	0.03696	0.012507	-0.007316	0.027251	0.027485	0.031977	0.026827	0.015108
126	-0.007091	0.01804	0.019026	-0.03634	0.009687	0.014894	0.005503	0.017395	0.015888	-0.002465	0.010382	0.007547	0.02094	0.017918
127	-0.020288	0.007089	0.000896	-0.010506	0.002593	0.0048	0.008165	0.020997	-0.002826	0.0069	0.017537	0.016628	0.01585	0.015451
128	-0.023897	0.060231	-0.010695	-0.030857	0.019401	0.006953	0.020577	-0.009522	-0.02201	0.010468	0.02408	0.036996	-0.02846	0.006056
129	-0.064845	-0.066098	-0.008627	-0.046854	-0.025264	-0.027539	-0.023498	0.002777	-0.017812	0.002457	-0.04487	0.045662	0.039112	-0.007924
130	0.031751	-0.044198	-0.006396	-0.049786	-0.001086	-0.022799	0.016477	-0.010436	0.008852	-0.024312	-0.009344	-0.000467	0.022642	-0.011604
131	0.069515	0.018131	0.090833	0.008366	-0.015581	-0.023331	-0.017066	0.003925	0.015948	0.022947	0.008239	-0.03017	0.041236	-0.000535
132	-0.009681	0.038284	-0.044058	0.06546	0.011266	-0.021323	0.006904	0.036969	0.082019	0.013306	0.019583	-0.006976	0.028071	0.049377
133	-0.038391	-0.037401	0.001013	-0.022985	-0.01691	-0.001093	-0.016193	-0.011528	-0.034058	-0.013739	0.037047	-0.015867	0.057154	-0.004153
134	-0.003941	0.049336	0.043691	0.00473	0.003161	0.000179	-0.012855	0.019543	0.008621	-0.009486	-0.001647	0.046546	0.009702	0.026126
135	0.022365	-0.00649	-0.034522	-0.018307	-0.019151	0.001622	0.004762	-0.029622	0.000329	-0.008346	0.002302	0.002047	-0.031535	-0.011296
136	0.037247	0.003523	-0.050925	-0.001346	0.004226	0.00547	0.015383	-0.024112	0.01415	-0.006055	0.020231	-0.032282	0.009838	0.020503
137	0.021422	0.037782	-0.023829	-0.021047	0.008024	-0.000797	0.019277	0.030181	-0.014787	0.037598	0.016613	0.013159	0.037139	-0.041393
138	0.035654	-0.075906	-0.047877	-0.029006	0.004868	-0.000652	0.012018	0.022296	0.027257	0.015034	0.019482	0.011732	0.00389	-0.018918
139	0.041271	0.05164	-0.014291	-0.008499	-0.023652	-0.010327	-0.053422	-0.034381	-0.025347	-0.016165	-0.034501	-0.003751	-0.036705	-0.037345
140	0.04645	-0.02477	0.005275	0.015593	0.003118	0.016089	-0.01664	0.004487	-0.027608	-0.032702	-0.008952	-0.014896	0.021242	0.026262
141	-0.01549	0.009589	-0.071108	-0.017492	-0.004797	0.013775	-0.034889	-0.028805	-0.01959	-0.01895	0.007343	-0.037184	0.077877	-0.012099
142	0.050272	-0.01787	0.052756	-0.007231	0.014397	0.022703	0.002716	0.036779	0.031549	-0.011451	0.023186	0.051519	0.067244	-0.00099
143	-0.021187	0.013305	-0.059804	-0.041821	-0.016393	0.009388	-0.025221	-0.021787	0.018503	-0.001936	-0.004753	-0.074666	-0.002577	-0.04125
144	-0.054522	-0.002001	-0.065342	-0.00081	-0.006133	-0.019438	-0.003451	-0.027487	-0.009701	0.000643	0.040415	0.007548	-0.023789	0.003453
145	-0.036486	0.00146	-0.056619	-0.040207	0.022066	0.031418	0.033596	0.013062	0.01292	0.021447	0.015289	0.001934	0.021663	-0.007657
146	-0.009098	0.010883	-0.019194	-0.025929	-0.010343	-0.001752	-0.007684	-0.004387	-0.006863	0.01941	0.033565	0.019446	0.007656	0.016346
147	0.025529	0.05836	0.010933	0.006869	0.006307	0.000819	0.002175	0.001048	0.013058	0.012115	0.022956	0.042323	-0.036202	-0.001038
148	-0.023554	-0.035805	0.006646	0.026284	0.012586	0.003807	0.037043	0.006137	-0.001989	-0.027114	0.000993	0.003796	-0.063237	-0.035473
149	-0.038881	0.022351	-0.032787	0.016228	-0.019955	-0.019271	-0.019525	-0.006868	-0.017641	-0.000601	-0.033671	-0.003926	-0.007579	0.006776
150	0.044724	0.003222	-0.029666	-0.008853	0.020248	0.007543	0.03662	0.011318	0.038101	0.027975	-0.070442	-0.009113	0.008627	0.006218
151	-0.036903	-0.025142	0.031217	-0.017442	0.042008	0.039135	0.01422	-0.035664	-0.00206	-0.038758	-0.029738	-0.004176	-0.030965	0.005964
152	-0.023088	0.025861	0.004519	0.015395	0.004155	-0.011024	-0.001999	0.013199	0.018722	-0.018038	-0.027083	-0.005078	0.01192	-0.014457
153	-0.061478	-0.000715	-0.038625	0.011612	0.010127	-0.008003	-0.015272	0.010137	-0.002324	0.001343	0.018103	-0.002521	0.010999	0.001941
154	-0.029857	0.027621	0.032509	0.027395	0.033441	-0.006057	0.048878	0.039675	0.033679	-0.011986	0.012786	0.042831	-0.025291	0.015408
155	-0.105873	0.047477	-0.03337	0.091648	-0.005269	-0.016782	0.005045	0.003464	0.002391	-0.019312	-0.016357	0.01893	0.045845	0.027365
156	0.073017	0.010942	-0.029943	0.000743	0.008987	0.010804	-0.010335	0.021165	0.01529	0.00825	0.033766	0.028426	0.03067	0.061197
157	-0.012984	-0.012586	-0.019087	-0.060682	0.017527	0.043119	0.024431	0.003868	0.00329	0.018689	-0.074029	-0.003222	0.035989	-0.012681
158	0.007902	0.032703	-0.04375	0.03796	0.000597	-0.017093	-0.003764	-0.00979	0.001817	-0.001154	0.035071	-0.036516	-0.1064	-0.026573
159	0.050906	0.024119	0.022721	0.004089	-0.005678	-0.013879	-0.014462	0.004366	0.013788	0.011937	0.05634	-0.011023	-0.026981	-0.000847
160	0.023481	-0.091981	-0.006597	0.052109	0.01132	0.002607	-0.001836	0.003975	0.036847	0.042045	-0.025583	-0.001548	0.069384	0.019875
161	-0.004257	0.079983	0.037696	-0.032382	0.003551	-0.00459	-0.014422	-0.025715	-0.037285	-0.085929	-0.047879	-0.019401	-0.046782	-0.009813
162	-0.009358	-0.020797	0.020086	0.011813	0.005167	0.018344	0.019265	-0.005619	-0.036528	0.055098	-0.03742	0.033892	-0.0201	-0.056028
163	0.030648	0.039841	-0.014275	-0.070722	-0.014122	0.014679	-0.01274	0.00012	0.01965	0.005394	0.010978	-0.012442	0.042376	-0.014272
164	-0.048853	-0.031154	-0.005963	-0.02925	0.004588	-0.003853	0.01632	-0.002402	-0.00929	0.012377	0.036179	0.014138	-0.050209	0.026489

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165	0.41578	-0.043302	0.025813	0.014252	0.003025	-0.022188	0.001332	0.01287	-0.011519	-0.006849	-0.023039	-0.046139	-0.024864	-0.004426
166	-0.020712	0.600804	-0.026963	0.053944	-0.018289	-0.012088	-0.002449	-0.018735	0.030765	0.009851	-0.013482	-0.032235	-0.049845	0.01174
167	0.011994	-0.031004	0.598387	0.035232	-0.041733	-0.012047	-0.027792	-0.035145	0.008153	0.011978	0.06369	-0.069148	-0.035962	0.007815
168	0.016435	0.051263	0.018805	0.583155	-0.031854	-0.018453	-0.059352	0.005493	0.016318	-0.0417	-0.05364	-0.015895	-0.052082	0.003789
169	0.027014	-0.006008	-0.009411	-0.042448	0.861269	-0.130416	-0.116166	-0.071862	-0.020597	-0.011136	-0.023	-0.061893	-0.026271	-0.016271
170	0.009657	-0.005765	0.020784	-0.022514	-0.121313	0.822687	-0.102145	-0.030484	0.003458	0.008314	0.000543	-0.031251	-0.077226	0.004315
171	0.022205	0.005948	-0.005225	-0.076761	-0.11241	-0.107104	0.842289	-0.064658	-0.027394	-0.01934	-0.013185	-0.069324	0.009114	-0.009336
172	0.026115	0.013338	0.002006	-0.010015	-0.071681	-0.037682	-0.056232	0.833346	-0.107788	-0.060371	-0.054508	-0.075917	0.024688	-0.014334
173	-0.046742	0.01541	0.027936	-0.005637	-0.024776	-0.003293	-0.028059	-0.095752	0.808616	-0.072286	-0.056529	0.015034	0.043987	-0.004679
174	0.030391	0.01774	0.04338	-0.03176	-0.023472	-0.021744	-0.020766	-0.061948	-0.077653	0.79495	-0.136653	-0.000126	0.020189	0.014979
175	-0.018513	0.006303	0.041014	-0.048388	-0.001967	-0.000632	-0.003731	-0.031431	-0.04508	-0.134272	0.630686	-0.049817	0.004639	0.000818
176	-0.013877	-0.01594	-0.050004	-0.050939	-0.055873	-0.04326	-0.076746	-0.068819	0.006783	-0.024536	-0.042408	0.75806	0.027248	-0.02353
177	0.019328	-0.068533	-0.057061	-0.011692	-0.020049	-0.054716	0.015515	0.003713	0.041649	0.017527	0.041572	-0.001518	0.413956	-0.007371
178	0.005989	0.004192	-0.003292	-0.015678	-0.024244	0.010937	-0.023783	-0.020112	-0.002739	-0.010356	-0.024632	-0.029262	-0.008875	0.830762
179	0.027539	0.004073	-0.009071	-0.042651	-0.031006	-0.029605	-0.042805	0.02565	0.044754	0.009886	0.006695	-0.003094	-0.02422	-0.053668
180	0.030404	-0.014219	-0.008853	0.026132	-0.017591	-0.018228	-0.012485	0.021476	0.004432	0.026652	0.029325	0.021737	-0.000155	-0.07464
181	0.016865	-0.015925	-0.027576	0.037514	-0.014423	-0.026586	-0.01343	0.033103	0.017917	0.02293	0.014273	0.015266	-0.007627	-0.059804
182	0.024808	0.014584	0.022271	-0.002078	0.009238	-0.032336	0.002961	0.036825	0.018075	0.022836	-0.019265	0.026839	-0.028872	-0.028277
183	0.004899	0.054852	0.017729	-0.087522	0.003421	-0.013073	-0.053406	0.0297	0.033843	0.030534	0.006233	-0.005185	-0.032566	0.005475
184	-0.035056	0.029969	0.016386	-0.10491	-0.001951	0.018215	-0.069658	-0.008542	0.013365	0.002984	0.045035	-0.029771	0.052081	0.009526
185	0.066303	-0.020992	0.027124	0.048956	0.013185	0.048252	0.031439	-0.030758	-0.010918	-0.031467	-0.023647	0.013594	0.038074	-0.032036
186	0.00844	-0.031268	0.028464	-0.026737	0.009719	-0.003201	-0.026643	-0.038054	-0.060361	-0.039215	0.027954	0.015652	0.034795	0.0201
187	-0.032992	0.029754	0.020286	0.024965	0.02717	0.033119	0.052562	-0.03009	-0.085867	-0.012491	0.017744	0.026392	0.016979	0.014403
188	-0.002171	0.033464	0.012739	0.025824	0.021122	0.022613	0.043448	-0.034082	-0.051771	-0.079639	-0.01486	0.00472	0.017513	0.01978
189	0.05253	0.037578	0.019075	0.013232	0.016023	0.010258	0.026731	0.000906	0.000932	-0.086281	-0.058928	-0.021144	0.052764	0.03587
190	-0.00194	0.015187	-0.025318	-0.018454	-0.023096	-0.036185	-0.038193	-0.013731	0.000697	0.008799	-0.027028	-0.048751	0.020105	0.006476
191	0.034397	-0.012544	-0.019725	0.008761	-0.034856	-0.038247	-0.02635	0.000354	0.017541	-0.010653	-0.016974	0.006632	-0.009734	0.029098
192	0.04856	0.0144	0.005701	-0.048187	0.030133	0.010909	0.024286	0.011634	0.021526	-0.044739	-0.036572	0.03085	0.008438	0.029783
193	0.067309	0.036464	0.064597	-0.025072	0.025125	-0.002445	0.012681	-0.014452	-0.026346	-0.020351	-0.034862	0.029549	-0.00891	0.013549
194	-0.00403	-0.004705	-0.006134	-0.007511	0.012628	0.020057	0.008815	0.00725	0.01117	-0.001599	-0.062839	-0.071697	-0.02291	-0.01587
195	0.032265	-0.044173	-0.034882	0.036755	0.017452	0.008222	0.02749	0.016895	0.002634	0.025439	0.002339	0.007041	-0.002585	0.031153
196	0.021423	-0.024731	-0.02662	0.014495	-0.009295	0.001699	-0.000068	-0.014136	-0.002294	-0.001103	-0.038561	-0.00549	0.014065	-0.011595
197	-0.02681	0.053614	-0.02861	0.007723	-0.026239	-0.048918	-0.019386	-0.007737	0.007074	-0.005662	0.0068	-0.009183	0.035518	0.041504
198	-0.034191	0.029064	0.030187	-0.061043	0.011908	0.005348	0.00208	-0.031357	0.01409	0.017249	-0.006147	-0.026659	-0.046065	-0.038961
199	-0.040428	-0.004848	-0.027204	0.019764	0.007385	0.011126	0.00354	0.000429	-0.020264	-0.014518	-0.035192	0.013127	0.034223	0.013664
200	0.028351	-0.006956	0.002462	0.036018	0.023671	0.036533	0.022119	-0.047404	-0.024316	-0.024309	-0.016531	0.03584	-0.0356	-0.044469
201	-0.01428	0.000606	0.003275	0.055672	0.001732	-0.005001	-0.000617	0.03716	0.017089	0.054038	0.069174	-0.041667	0.007022	0.000166
202	-0.040747	-0.032261	0.007188	-0.001595	0.001254	-0.01457	0.000331	-0.063982	-0.044062	-0.031775	-0.026887	0.029099	0.035735	-0.015088
203	-0.009578	0.040289	0.027336	-0.033921	-0.025547	-0.026028	-0.012844	-0.012212	0.012294	0.007316	0.016214	0.012746	-0.094453	-0.021323
204	-0.089844	0.077026	0.0096	0.018649	-0.000718	-0.002587	0.018469	-0.018774	0.009039	0.029574	0.000385	-0.020909	0.035803	-0.017398
205	-0.025952	0.010242	0.014352	-0.041241	0.019054	0.012917	0.015216	-0.007192	-0.019499	-0.001761	0.010807	-0.021258	-0.005714	0.035531

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
206	0.086143	0.007455	0.001557	-0.031127	0.005948	0.010926	-0.002324	-0.020093	0.016208	-0.020024	0.002625	0.026088	0.021813	-0.01643
207	-0.068496	0.045626	0.010949	0.017199	-0.032364	-0.027168	-0.038811	-0.017353	-0.026155	-0.017909	-0.058369	0.002929	-0.033873	-0.00087
208	-0.04084	0.010566	0.012666	-0.031891	-0.025874	-0.033685	-0.013862	-0.029958	-0.04257	-0.017677	0.007466	-0.013376	0.003245	0.011148
209	-0.015806	-0.063306	0.050771	-0.003158	-0.009251	-0.003802	-0.037678	-0.044757	-0.01674	-0.02773	-0.042612	-0.044622	-0.012256	-0.014063
210	-0.066123	-0.002553	0.007121	0.064217	0.009741	0.011314	0.017962	0.02082	-0.003483	0.046066	-0.015334	0.010555	-0.06642	-0.034725
211	-0.006052	-0.026782	0.043289	0.025009	-0.020174	0.020581	-0.006052	-0.087055	-0.094061	-0.005626	0.013237	0.011018	-0.057423	-0.038112
212	-0.024001	-0.043949	-0.00241	0.037424	-0.01945	-0.029716	-0.032403	-0.025513	0.007324	0.009397	-0.009635	-0.011838	-0.021089	0.028838
213	-0.015933	-0.031188	-0.006184	-0.002141	0.013616	0.029903	-0.003946	-0.007961	-0.011006	-0.03359	0.014676	0.013097	0.03842	-0.02706
214	0.049339	-0.014259	0.009099	-0.026985	-0.014108	0.002441	-0.033032	0.021733	0.028172	0.021274	0.037813	-0.006688	0.025657	-0.055204
215	-0.058754	-0.000855	0.04111	0.015677	0.017524	0.032342	0.005926	0.024005	-0.012875	0.016387	-0.007881	0.022493	0.017281	-0.062975
216	-0.001143	0.011133	-0.026801	-0.114802	-0.042115	-0.017873	-0.042041	-0.019782	-0.035018	-0.038508	-0.050142	-0.021953	0.027459	0.003586
217	0.045894	0.07674	0.030203	-0.001055	-0.019065	-0.0116	-0.006813	-0.041826	-0.012233	-0.007521	-0.02096	0.007976	0.01305	0.041975
218	0.026561	0.012134	0.024678	0.011963	-0.012178	-0.016471	-0.019577	-0.007973	-0.043883	-0.015318	-0.007258	0.012023	0.017457	-0.001985
219	0.031998	-0.015035	0.016061	0.005648	-0.03269	-0.031911	-0.042786	-0.011393	-0.028541	-0.025958	-0.003185	0.008893	0.000196	0.014417
220	0.010862	0.018244	0.055978	0.044507	-0.014706	-0.024334	-0.009393	-0.03449	0.00145	-0.002081	0.034594	0.006469	-0.016552	0.047534
221	-0.022375	0.011462	0.024996	-0.004741	-0.002353	0.013365	-0.003934	-0.009469	-0.044704	-0.013975	-0.009279	0.001757	0.024288	-0.018119
222	-0.016498	0.024505	-0.050175	-0.016023	0.008567	0.024902	0.003117	-0.009552	-0.048212	-0.017124	-0.021786	0.020071	0.014439	-0.018337
223	-0.013812	-0.000165	-0.027641	-0.011529	-0.001733	0.001747	-0.017527	-0.005047	-0.027905	-0.012595	-0.042702	-0.025759	0.013656	-0.009403
224	-0.015805	-0.038221	-0.044246	0.011476	-0.001381	0.018062	-0.012778	-0.021346	-0.007853	-0.056843	-0.014842	-0.023019	0.031538	-0.016987
225	-0.031237	-0.041842	-0.039138	-0.020585	-0.005929	0.009345	-0.013771	-0.0089	-0.019025	-0.040874	-0.025902	-0.000787	0.008985	-0.005174
226	-0.010739	-0.000165	0.014795	0.007601	0.007004	0.005074	0.005085	0.000955	0.006346	0.016424	0.015766	0.004968	-0.006715	0.021058
227	0.018178	0.01051	-0.008974	-0.010186	-0.024522	-0.00227	-0.025476	-0.016693	0.024307	-0.012493	-0.014795	-0.000607	-0.025522	-0.006113
228	0.031406	0.012667	0.053827	-0.009575	0.018904	-0.005245	0.029257	0.02084	0.050996	0.005525	-0.036592	0.008014	0.022026	0.005652
229	0.008313	-0.010689	-0.005116	-0.017077	0.010353	-0.011449	0.019066	0.02191	0.017196	0.016824	0.037703	0.005834	-0.010653	0.009224
230	-0.029972	0.009016	-0.02889	-0.066016	-0.012169	-0.003095	0.015505	-0.013159	-0.027617	-0.012847	0.011612	0.010651	-0.015092	-0.019761
231	-0.017125	-0.000182	0.003338	-0.001021	-0.03498	-0.025353	-0.006192	-0.048074	-0.018098	0.033396	0.006828	-0.01554	-0.008642	0.063037
232	-0.043549	-0.014905	-0.015591	0.017386	0.033885	0.021666	0.027762	0.018179	0.042972	0.018162	0.052176	0.007868	-0.017642	0.009615
233	0.001354	0.056276	-0.017666	-0.025402	-0.009721	-0.004462	-0.010779	-0.005526	0.026783	0.005411	0.0171	-0.0159	-0.032129	-0.007957
234	0.033023	0.036846	0.033414	-0.016645	-0.009499	-0.01304	0.00089	0.007331	0.044411	0.023354	0.025635	-0.006253	-0.000919	-0.009459
235	0.019466	0.020502	0.025042	-0.001103	-0.00223	0.010249	0.014449	-0.013427	-0.002498	0.012505	-0.033602	0.002056	-0.023257	-0.011019
236	-0.018699	-0.017737	-0.017796	-0.003421	-0.00686	-0.009768	-0.002261	-0.008361	0.028177	0.00349	-0.024256	-0.077054	-0.021711	0.010594
237	-0.004548	-0.030967	-0.032624	0.022998	-0.002298	-0.002327	0.004889	0.017523	0.023193	0.019663	0.010215	-0.007594	-0.023462	0.003627
238	-0.026562	-0.019696	-0.008309	0.039352	0.003686	-0.008249	0.01091	0.030006	0.029474	0.009768	-0.013699	0.016501	-0.010735	0.027078
239	-0.02911	0.012927	0.014657	-0.006107	-0.004343	-0.001228	-0.00175	0.006901	0.001084	-0.007708	-0.025943	0.003736	0.014593	0.011904
240	-0.025683	0.021702	-0.001826	-0.003821	-0.017331	-0.016133	-0.017904	-0.000701	-0.010097	-0.016246	-0.016629	0.000316	0.013372	0.004516
241	-0.004258	0.034	-0.012691	-0.057682	-0.01963	-0.027575	-0.009172	0.026047	0.037128	-0.026611	-0.019687	-0.012828	-0.058255	0.004532
242	0.036055	0.013668	0.033005	0.042708	0.019345	0.009573	0.012056	-0.009762	-0.012008	-0.001455	-0.0482	0.001744	0.015623	0.002701
243	0.019649	0.002359	0.060559	0.048029	0.002792	0.009805	-0.002247	-0.00534	-0.006841	0.002869	-0.021906	0.016248	0.027608	-0.009372
244	-0.017751	0.00587	0.022258	-0.032038	0.003645	0.01393	-0.001341	0.000344	0.005733	0.009227	0.033786	-0.003953	0.003513	-0.035721
245	0.011153	0.010062	-0.0549	-0.015601	-0.010347	-0.004819	-0.011439	-0.006488	0.008812	-0.029799	0.042131	-0.004772	0.00571	-0.015896
246	0.009184	0.003939	0.011103	0.022088	0.025154	0.019738	0.016984	0.014029	-0.010663	-0.008109	-0.010304	0.004377	0.023296	-0.004362

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
247	-0.002509	-0.002233	-0.028105	-0.003831	-0.002883	0.015011	-0.009548	-0.017901	-0.000395	0.001148	-0.018359	-0.0573	0.011508	-0.014114
248	-0.002544	-0.016803	-0.027045	0.031766	0.015847	0.019071	0.013282	0.007824	0.025627	0.015676	0.010416	-0.005679	-0.008097	0.013559
249	-0.004785	0.016579	-0.01569	0.026044	0.004587	-0.01242	0.012797	-0.00883	-0.015867	0.012421	0.037892	0.008285	-0.028854	0.018716
250	-0.025288	-0.001491	-0.006486	-0.010409	0.003115	0.006146	-0.006998	0.022037	-0.017578	0.01974	-0.037882	-0.012251	-0.030129	-0.012867
251	-0.055296	0.009182	0.001834	0.00215	0.007415	-0.002227	0.002261	0.03226	-0.010416	-0.005158	-0.026278	0.027131	-0.018725	-0.016884
252	0.005172	0.00737	0.00748	0.002143	-0.000171	0.009464	0.005021	0.005527	0.026162	0.006413	-0.007366	0.008615	-0.016403	-0.018318
253	-0.02667	0.021527	0.008851	-0.001548	-0.028342	-0.01836	-0.014549	-0.010702	0.037468	0.02939	0.003706	-0.016273	0.005422	0.003856
254	-0.008129	-0.033969	0.010074	-0.020717	0.005017	-0.009178	-0.002001	0.003047	0.001642	-0.025336	-0.043864	-0.009105	-0.008754	-0.004394
255	-0.034688	0.002325	0.037549	-0.035573	0.003044	-0.003672	0.008814	-0.002712	0.000029	-0.025731	-0.021099	-0.002648	-0.003913	-0.026244
256	0.001723	-0.00379	0.021504	-0.005657	0.001771	-0.004324	0.024387	-0.000102	0.025038	-0.024242	0.033874	0.004354	-0.036773	-0.015626
257	0.006957	0.030855	-0.02567	-0.009143	0.004302	0.011214	0.010371	-0.002408	0.014704	0.023448	-0.003591	-0.012062	-0.009753	-0.006748
258	0.001209	0.014919	-0.027573	-0.027378	-0.027171	-0.018289	-0.009067	-0.006312	0.007171	-0.008665	-0.01295	-0.020294	-0.016344	0.005402
259	-0.012192	-0.001496	-0.031659	0.059087	0.010066	-0.00392	0.011881	-0.003308	-0.031881	-0.00254	-0.005494	0.007642	-0.005548	0.002936
260	0.003325	-0.051926	-0.033367	-0.003408	-0.011086	-0.003955	-0.000295	-0.009984	-0.020065	0.048264	0.032704	-0.00824	-0.054522	-0.022501
261	-0.005109	-0.026938	-0.035782	0.027977	0.000002	-0.010914	0.016236	0.022394	0.016903	0.037915	0.031622	0.025658	-0.021556	0.025316
262	-0.003444	-0.00992	-0.01828	0.011873	0.013792	0.03126	0.021537	-0.009788	0.020555	0.017305	-0.016202	-0.006706	0.006598	-0.028422
263	0.003039	0.009669	-0.029758	0.030263	0.016424	0.034334	0.020988	-0.013535	0.014909	0.022874	-0.004701	0.006867	0.023061	-0.029222
264	-0.010993	0.001914	-0.063298	-0.019534	0.001875	0.025722	-0.005451	-0.029777	-0.033862	-0.009474	-0.016115	-0.033274	0.054326	-0.004903
265	0.006308	-0.045412	-0.014341	-0.037928	0.013359	0.01742	0.010875	0.015669	0.026568	0.012948	-0.023952	-0.021031	0.011533	0.022717
266	0.024132	-0.032565	-0.009231	-0.046675	0.001032	0.005437	0.008263	0.017879	0.024276	0.034255	0.03305	0.006129	0.015332	0.024788
267	0.035987	0.00987	0.031509	0.009619	-0.017132	-0.024242	-0.027152	-0.019842	-0.005819	-0.003477	0.011749	-0.004516	0.017044	0.024597
268	-0.014094	0.00658	0.011973	-0.0022	-0.008496	0.006214	-0.014972	-0.019735	-0.014241	0.011417	0.00391	-0.01514	0.011548	0.005254
269	-0.006274	-0.007956	0.021915	0.014155	0.003643	0.005398	0.000106	0.00257	-0.000871	0.016724	0.002443	0.005748	-0.040685	0.015488
270	0.010217	-0.000279	0.013259	-0.001098	-0.006216	-0.007481	-0.008995	0.001319	0.013784	-0.001706	-0.008595	0.019667	-0.033316	0.005629
271	-0.059112	0.008485	-0.064445	-0.043709	0.024567	0.006592	-0.02336	0.026414	0.002776	0.002874	-0.03011	-0.001915	0.049027	0.011348
272	-0.006228	-0.017479	-0.009064	0.042688	0.009627	-0.015566	0.016136	0.0083	0.016694	-0.005151	0.009044	-0.009095	0.028683	0.019817
273	-0.005032	-0.021148	-0.012613	0.036119	0.005078	0.006768	0.012942	-0.011878	-0.000524	-0.012544	-0.003754	-0.001002	0.02149	-0.004926
274	0.010786	-0.024818	-0.012117	0.0329	0.0097	0.005696	0.021863	-0.003226	0.006837	-0.008574	-0.000702	0.006619	0.006509	-0.002631
275	0.023157	-0.002053	-0.028096	-0.038911	-0.007474	0.017374	0.002888	-0.005831	-0.008998	-0.019672	-0.011395	0.022495	0.018736	-0.033023
276	-0.003112	-0.035266	-0.045351	-0.004997	-0.009127	-0.009672	-0.004974	-0.000173	0.043521	-0.003814	-0.030355	-0.090578	-0.021169	0.011364
277	0.036101	-0.007034	-0.01668	-0.01919	0.01167	0.00984	0.010449	0.010337	0.00563	0.006174	-0.020599	-0.006939	0.003135	-0.030852
278	0.025491	0.003606	-0.007561	-0.023003	0.019997	0.01281	0.011265	0.023465	0.000551	0.002928	-0.013377	0.019956	0.032252	-0.023208
279	-0.007713	-0.014032	0.018879	-0.00246	0.007432	-0.001543	-0.005907	0.030558	0.005279	-0.004611	-0.016384	0.036465	0.014886	0.008598
280	0.016869	0.001903	0.037836	0.016371	-0.037845	-0.040782	-0.032066	-0.012603	0.000244	0.006947	-0.024027	-0.004217	0.04978	0.013021
281	-0.00048	-0.021609	0.029796	0.032191	0.026335	-0.000766	0.015945	0.020755	-0.023309	-0.001799	0.041525	0.036751	0.024539	0.031625
282	0.004805	-0.011513	0.034542	-0.00307	0.011217	-0.002809	-0.012299	0.011759	-0.03681	-0.030735	-0.021454	0.022166	0.011807	0.001013
283	0.066802	-0.04481	0.000214	-0.005719	0.011186	0.026512	-0.011317	-0.007265	-0.000671	0.00401	0.021067	-0.014659	0.041004	-0.013899
284	0.014363	-0.0001	-0.010488	0.003534	0.002895	0.010061	0.003146	-0.005874	0.002313	0.02354	0.014177	0.003316	0.00519	0.003776
285	-0.002365	0.020941	0.001149	-0.007238	0.017416	0.020237	0.012532	-0.001586	-0.004146	0.016759	0.008434	0.001955	0.014977	-0.015942
286	0.002686	0.01827	-0.006067	-0.017181	-0.012802	-0.016619	-0.004314	0.016461	-0.005351	0.022724	0.014944	0.039436	-0.051093	0.014939
287	0.020551	0.030534	-0.00455	-0.039301	-0.022128	-0.026096	-0.016959	0.00005	-0.007491	0.011538	0.024852	0.030777	-0.028496	-0.001279

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
288	0.029247	0.016431	-0.019519	-0.047074	-0.003514	0.020777	0.005305	0.000865	-0.013641	-0.006629	0.006167	0.003789	0.004354	-0.003279
289	-0.001837	-0.015245	0.000393	-0.024855	0.015562	0.020188	0.020277	0.005468	0.024178	0.024079	-0.029709	-0.01784	-0.010823	-0.029646
290	0.016413	-0.005559	-0.018244	0.000212	0.009705	0.02183	0.007329	-0.009093	-0.004384	0.014138	0.012118	0.0053	-0.060098	-0.002081
291	0.024873	-0.009957	-0.016524	0.001981	0.009365	0.025217	0.007229	-0.012221	-0.011442	0.014546	0.001523	0.005306	-0.061687	-0.004121
292	0.037411	-0.004	-0.023263	-0.006388	0.019615	0.035987	0.020158	0.005509	0.002672	0.015787	-0.019761	0.008276	-0.058015	-0.001843
293	-0.052236	0.032216	0.006457	0.026812	-0.009189	-0.004902	-0.010581	-0.022798	-0.057836	0.022554	-0.026266	-0.001983	-0.012091	-0.001495
294	0.034525	0.003969	0.001838	-0.005551	-0.021646	0.008105	-0.013455	-0.027738	-0.035381	-0.005375	0.000489	-0.005256	0.014195	-0.004322
295	-0.002074	-0.024203	-0.022037	0.0314	-0.008863	-0.009046	-0.000014	-0.019079	-0.023304	0.015011	-0.003063	-0.000618	0.008762	0.011797
296	0.004433	-0.003975	-0.015751	0.001995	-0.00657	0.007278	0.01654	0.006165	-0.010027	0.004746	-0.015768	0.02863	0.006954	-0.008775
297	0.011188	-0.005544	0.001108	0.016891	-0.008051	-0.004732	0.007838	-0.020612	-0.017834	0.003499	0.008962	-0.009904	0.012347	0.003479
298	0.050696	-0.009131	0.04562	0.015009	0.000342	0.004939	0.000526	0.010111	0.018109	-0.002292	0.028231	0.032939	-0.063194	-0.02291
299	-0.049772	-0.006019	0.016877	-0.015252	-0.022101	-0.025086	-0.002294	-0.003361	-0.003046	-0.000517	0.015929	0.002348	-0.037616	0.023587
300	0.013445	-0.008046	0.03397	0.009608	-0.032213	-0.032293	-0.024845	-0.017281	0.043957	0.005902	0.040419	0.019014	-0.041136	-0.035265
301	-0.027275	0.00777	0.015919	-0.00709	0.002316	0.008183	-0.000121	-0.010315	-0.015519	0.016415	0.008323	0.001079	0.02379	0.003021
302	-0.034733	-0.001605	0.004186	-0.02245	0.00131	0.011223	0.014316	0.013011	0.002437	0.015703	-0.009926	0.015603	-0.03321	-0.025431
303	-0.016124	0.000936	0.017135	-0.027258	-0.007396	0.00763	0.007387	-0.007439	-0.000078	-0.004108	-0.012315	-0.00853	-0.031764	0.012402
304	-0.044683	-0.018791	0.019005	0.00093	-0.008195	0.00913	0.009116	-0.006833	0.006594	-0.021702	-0.038547	0.015663	-0.028284	-0.003443
305	0.056482	0.081195	-0.01808	-0.035131	0.039122	0.015511	0.03209	-0.008881	-0.00664	0.007038	-0.011428	-0.003043	0.027071	0.00892
306	-0.02314	0.031747	0.002476	0.000077	-0.006176	0.00565	-0.013911	0.005952	-0.008213	0.000565	0.01003	-0.00513	-0.012919	-0.004071
307	-0.014257	-0.009392	-0.027237	-0.007628	0.000172	0.004451	-0.02201	-0.017754	-0.001163	0.007963	0.031567	0.027508	0.043961	-0.003481
308	-0.031436	0.016315	0.000001	-0.003242	0.009641	0.010588	0.015172	-0.002412	-0.013629	-0.013433	0.017921	0.023866	-0.003882	-0.024646
309	0.004563	0.001515	0.037733	-0.009715	0.011937	0.005804	0.000232	-0.001333	-0.011533	-0.003459	-0.022275	0.007851	0.020678	-0.010028
310	0.000906	0.009672	0.043071	0.021918	0.014679	0.018393	0.006112	0.003129	-0.019478	0.001263	-0.010251	0.008389	-0.035636	-0.005977
311	-0.009044	0.029433	-0.002146	0.001203	-0.000995	-0.007148	-0.017776	-0.00523	-0.002574	0.009588	-0.031786	-0.01222	0.020948	-0.014514
312	0.020568	0.006092	-0.016095	-0.022513	-0.018377	-0.000834	0.021166	-0.020029	0.034545	-0.035996	-0.002064	-0.030458	-0.051202	-0.042948
313	0.002102	-0.020245	-0.009576	0.009317	-0.000437	-0.009006	0.013363	0.000204	0.021629	0.00278	0.004543	-0.00705	-0.018009	0.006561
314	-0.028569	-0.045454	0.04944	0.059996	-0.007398	0.001127	0.027549	-0.040806	0.010596	0.009233	-0.008264	-0.027026	0.08767	-0.004724
315	-0.013655	-0.007201	0.022229	-0.036957	0.00377	-0.017734	0.012656	0.026613	0.030187	0.013553	0.002159	-0.004335	-0.022086	0.003537
316	-0.027568	0.011562	-0.033557	-0.003636	-0.0226	-0.024661	-0.002643	-0.013865	-0.003589	-0.024926	0.019109	-0.020361	-0.006638	-0.007281
317	0.040488	-0.024888	0.032644	0.009737	0.021556	0.009799	0.007532	0.005469	-0.012415	0.013061	-0.020017	0.000883	0.04107	-0.003724
318	0.007855	-0.018704	-0.026653	0.025975	0.019991	0.0127	0.007844	0.014314	0.035596	0.025463	0.023783	-0.021728	0.005146	-0.014756
319	0.010511	-0.030676	0.010051	-0.023096	0.00187	0.009446	0.005759	0.003084	-0.006226	0.010188	-0.011801	-0.011345	0.028706	-0.013587
320	-0.036501	0.030927	0.005331	0.00546	-0.009751	0.00795	0.003371	0.014413	0.000474	-0.03211	-0.049548	0.01306	-0.022565	-0.043655
321	-0.029758	0.000719	0.008631	-0.034982	0.01384	0.004473	0.012091	0.039695	0.03552	0.012828	0.036767	0.024628	-0.022106	0.013597
322	0.054549	-0.022328	-0.008533	0.005329	-0.024099	-0.032068	-0.026804	-0.000977	0.057128	0.056088	-0.040236	-0.00455	-0.044586	-0.001611
323	-0.007875	-0.037414	-0.07291	0.024892	-0.007166	-0.001008	-0.017649	0.015256	0.014132	0.024207	0.010823	-0.009971	0.043147	0.028606
324	-0.035498	0.001396	-0.040721	0.027532	0.019092	0.00873	0.003199	0.056215	0.048307	0.015603	0.018179	0.02534	-0.055863	-0.005724
325	0.036929	-0.019621	0.049909	0.014439	0.024924	0.016462	0.024127	0.023782	0.013318	0.012501	-0.008903	0.010576	0.029414	0.027717
326	0.049184	-0.011381	-0.003733	0.02469	-0.008622	-0.026841	-0.002182	0.014012	0.014099	0.011679	0.028535	0.014149	-0.027499	0.037718
327	-0.003072	0.022934	-0.02957	0.016751	0.024215	0.010913	0.021593	0.018254	-0.004695	-0.007634	-0.016155	0.028977	0.008413	0.01217
328	-0.076121	0.059809	0.013205	-0.042929	0.009872	-0.001125	0.021879	0.020095	-0.021479	0.000373	-0.015266	-0.010473	0.055989	-0.015848

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
329	-0.018925	-0.009026	-0.024295	0.030414	0.011683	0.01741	0.009085	0.002661	-0.009974	0.011706	0.016802	-0.011381	0.021904	0.001061
330	0.037156	-0.08141	-0.056929	-0.011577	-0.001704	0.006247	-0.006705	-0.027785	-0.010973	-0.032329	-0.053966	-0.103679	-0.055092	-0.003684
331	0.007795	0.00944	-0.009513	-0.0111	0.005046	0.014161	-0.002652	0.01331	-0.006527	0.012197	-0.009349	0.016882	0.012975	0.005856
332	-0.041978	-0.050602	-0.002586	0.018265	-0.011237	-0.014914	-0.022928	-0.026611	-0.003778	-0.043231	-0.06979	0.007634	-0.018129	-0.005609
333	0.007495	-0.01157	-0.006787	0.025797	0.019121	0.008309	0.002438	0.015959	-0.005325	0.008533	-0.011291	0.008015	0.045221	0.021812
334	0.040841	0.023984	-0.028961	-0.00676	-0.026597	0.009426	-0.000471	-0.029736	0.010719	0.003527	0.063765	-0.040005	0.039063	-0.037382
335	-0.011795	-0.010838	-0.014144	0.025644	0.002636	-0.001387	0.007175	0.007626	-0.014022	-0.004789	0.011316	0.014031	0.025722	0.024521
336	0.033504	-0.012073	0.028715	0.007611	0.013327	0.008456	-0.000698	0.009959	0.005459	-0.015623	-0.013847	0.008283	0.006373	-0.005838
337	-0.031561	0.002611	0.023238	-0.034693	-0.005869	-0.035202	-0.006673	0.019206	0.01993	0.018782	0.029853	0.011831	-0.029198	0.02575
338	-0.095999	0.012515	-0.022233	0.022217	-0.016555	0.008561	-0.032139	0.02431	-0.008795	0.014739	0.007191	-0.01996	-0.011836	0.023698
339	-0.051085	-0.07361	-0.000434	-0.011791	-0.004648	-0.029061	-0.027784	0.023529	-0.000355	0.006591	0.001249	0.012157	-0.000337	0.014214
340	0.057459	-0.024596	0.053776	-0.019452	0.022309	0.036725	0.037814	-0.019092	0.028518	0.038881	0.025661	-0.006672	-0.001629	0.037999

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
1	0.028444	0.052914	-0.012638	-0.005961	-0.035372	-0.026993	0.12858	0.015343	0.05406	0.033355	0.001676	0.029723	-0.006255	0.014867
2	0.037612	0.036637	0.032559	0.049961	0.038452	0.08238	0.039009	0.1443	0.052384	0.040424	0.068147	0.0515	0.072154	0.024033
3	-0.017273	-0.037203	-0.028848	-0.002538	0.039738	0.045131	-0.048329	0.066467	0.031051	0.064645	0.056725	0.013326	-0.050091	-0.010405
4	-0.035905	-0.03394	-0.029957	-0.019616	0.007819	-0.020165	-0.010393	0.041477	-0.014975	-0.020509	-0.040307	0.034099	0.030462	0.026073
5	-0.023935	-0.013221	-0.02415	-0.002423	-0.036817	-0.0644	0.026765	0.041279	0.012489	0.009222	0.022341	0.04012	0.046147	0.018684
6	-0.00316	0.008131	0.007694	0.022241	0.028463	0.03699	-0.042843	-0.069176	0.003073	-0.022205	-0.01099	0.073349	-0.009024	-0.073557
7	-0.024004	-0.022639	-0.0237	-0.030714	0.012066	0.044988	0.043975	0.030206	0.042901	0.025755	-0.008982	-0.021268	-0.018479	-0.010491
8	-0.008367	0.002798	0.014484	-0.006754	-0.012284	0.031418	-0.112181	-0.083147	0.001564	-0.023308	-0.023338	-0.031672	-0.041721	-0.042169
9	-0.004929	-0.004249	0.00776	0.028731	0.062035	0.096905	0.001373	0.008277	0.00499	0.009682	-0.009532	0.019907	-0.053565	0.008896
10	-0.042362	-0.04268	-0.026358	-0.003146	0.017743	-0.004545	-0.02431	0.068172	-0.00556	0.007461	-0.035087	-0.000649	-0.04917	-0.04103
11	-0.001012	-0.026345	-0.012567	-0.014443	0.010504	-0.01849	-0.014245	0.005878	-0.009964	0.012372	0.052761	0.032906	0.018554	0.032001
12	-0.011635	-0.027452	-0.033297	-0.058534	0.009562	-0.021404	0.03019	-0.072013	0.003749	-0.02249	-0.005179	-0.006602	0.000319	0.094159
13	0.06231	0.013223	0.031573	0.037156	0.058553	0.053738	-0.061525	0.021717	-0.017738	-0.038756	-0.011943	0.0108	-0.014372	-0.051225
14	-0.002349	0.011062	-0.007581	0.036694	0.018478	0.076272	0.137926	-0.056782	0.004318	0.040707	0.010642	0.043326	0.026609	0.058319
15	-0.010985	-0.016788	-0.002122	-0.008108	-0.102279	-0.191761	-0.115922	-0.010588	-0.057698	-0.042345	-0.012557	-0.037736	0.074139	0.017623
16	-0.00026	0.028112	-0.005176	0.024154	-0.012071	-0.029303	0.056089	0.028516	0.016893	0.041499	-0.022215	-0.017625	0.018692	-0.009105
17	-0.013623	-0.025163	-0.01076	-0.000005	-0.003602	-0.00052	0.015998	-0.058922	-0.028157	-0.060899	-0.057426	-0.019409	-0.036568	0.039766
18	-0.04456	-0.004647	-0.015091	0.002832	-0.024572	-0.036493	-0.034514	0.049762	0.031189	0.009492	-0.029078	0.032234	-0.007995	0.040245
19	0.003733	0.011153	0.009294	0.006926	0.015436	-0.001672	0.049849	0.024264	0.006146	0.023808	0.056261	-0.035504	-0.045479	0.028296
20	-0.048837	-0.002884	-0.021412	-0.018964	-0.06219	0.017396	0.069874	0.071791	0.029621	0.025028	-0.03743	-0.007252	-0.0753	-0.008898
21	0.021596	0.015865	0.017181	-0.011489	0.036639	0.060711	0.032604	-0.008109	-0.0166	-0.020063	-0.075413	-0.009563	0.051298	0.020018
22	-0.009697	0.000955	-0.019609	0.009461	0.022531	0.00718	0.031331	0.016307	0.023679	-0.019764	-0.052642	-0.015961	-0.01055	0.027672
23	0.006296	-0.031524	0.001796	0.02216	0.014208	0.026365	-0.0249	-0.036467	0.008033	-0.000509	-0.032308	-0.025544	0.08106	-0.040263
24	0.011742	0.023059	0.01375	0.036863	0.015581	0.002365	0.014296	0.004527	-0.014852	-0.049386	-0.050638	0.056462	0.081777	-0.032292
25	0.003981	0.003357	0.011468	0.019654	-0.012174	-0.058815	-0.053031	0.010687	0.032983	0.058672	0.123687	-0.021761	0.013071	0.038639
26	0.034458	0.01363	0.014471	-0.030711	-0.019663	0.004782	0.017596	-0.014396	-0.035739	0.029754	0.05709	0.010929	0.093871	0.02828
27	0.018536	0.012189	0.004283	0.055976	0.065464	-0.010094	-0.012825	0.024867	-0.0015	-0.045551	-0.023206	0.002999	0.028936	0.101263
28	0.004041	0.024579	0.003521	-0.021298	-0.025735	-0.070775	-0.054098	-0.018023	0.021938	-0.001452	-0.018134	0.029812	0.028727	-0.000209
29	-0.022066	-0.027145	-0.009157	-0.021988	0.006399	-0.023315	0.015354	0.001218	0.045635	0.043268	0.019932	0.0273	0.013997	0.014135
30	-0.051868	-0.072315	-0.056843	-0.066602	-0.03873	0.04499	0.067504	0.040495	0.030511	0.012813	0.060349	-0.012877	0.031275	-0.07264
31	-0.020404	0.00094	-0.022124	-0.008328	0.0017	0.03256	0.008938	0.091772	-0.060614	-0.03372	-0.035278	0.022184	-0.069866	-0.067322
32	-0.003409	-0.005103	-0.024378	-0.05344	-0.020896	-0.033644	-0.049118	-0.042358	0.00421	-0.01577	-0.027488	-0.00796	0.001921	-0.056606
33	0.011281	0.026265	0.025346	0.028554	0.023826	-0.021393	0.093455	-0.121566	-0.02833	-0.007118	0.069111	0.015819	-0.08736	-0.038754
34	0.002204	0.008792	0.004632	0.01962	-0.019871	-0.062454	-0.009167	-0.103173	0.021842	-0.008216	-0.057933	-0.041127	-0.11372	0.020498
35	0.042545	0.029963	0.049366	0.085089	0.026096	-0.040503	0.010433	0.044194	-0.009641	-0.002463	-0.045965	-0.019106	0.037406	0.072141
36	-0.038757	-0.028744	-0.024552	-0.036807	-0.042736	0.015581	0.050946	0.011243	0.008783	0.045714	0.046389	-0.05204	-0.052157	-0.039713
37	0.024401	0.051711	0.042637	0.07428	-0.025212	-0.090619	0.122438	-0.000905	0.105071	0.100702	0.061018	-0.039375	-0.062214	0.040378
38	-0.008518	-0.003069	-0.021724	-0.019734	0.004229	-0.006307	-0.061325	-0.047951	-0.002454	0.029376	-0.007686	0.040612	0.012217	0.002472
39	0.012805	0.01665	0.002847	-0.028388	-0.014522	0.028473	-0.038948	-0.002479	0.020848	0.026382	0.003869	-0.055779	-0.032213	-0.051236
40	-0.001517	0.016665	0.01982	0.006605	0.024743	0.041482	0.022009	0.002484	0.07555	0.05565	0.003803	0.111159	0.096241	-0.019616
41	-0.004099	-0.001026	0.015369	0.029571	0.031645	0.026803	-0.075565	-0.004847	0.026598	-0.025738	-0.020341	0.170636	0.065811	-0.00067

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
42	-0.004045	-0.000249	0.004501	0.013891	0.010983	0.011842	0.009505	0.002675	0.000405	0.000654	-0.01087	0.012571	-0.015893	-0.002704
43	0.045443	0.040061	0.034674	0.001991	0.029444	0.079986	-0.021641	0.01324	-0.040409	-0.063546	-0.042802	0.01336	0.045573	0.045365
44	-0.019322	0.003534	0.011353	0.006021	-0.016022	-0.048871	-0.03888	-0.059527	-0.040456	-0.017929	-0.003086	-0.02133	-0.036373	-0.092544
45	0.005569	-0.005718	-0.006406	0.00735	0.001418	-0.09067	0.041826	0.09637	-0.0124	-0.017816	-0.031525	-0.009317	0.026438	-0.062752
46	0.018518	0.017265	-0.007909	-0.033624	-0.029265	-0.020695	0.031171	0.004904	0.044102	0.084088	0.020247	-0.016538	-0.004613	0.001303
47	-0.00043	-0.032439	-0.020069	0.008534	0.020218	0.020552	0.003559	-0.041555	-0.02961	-0.055598	-0.031095	0.061081	0.059843	0.0724
48	-0.015005	0.006862	0.012325	0.021569	-0.058714	-0.006551	0.01722	-0.03235	0.015173	0.01523	0.007685	0.024523	0.037226	-0.010666
49	0.013186	-0.021706	-0.032593	-0.012373	0.009814	0.011575	-0.055244	-0.075049	-0.052674	-0.065768	-0.030927	0.074928	0.023694	-0.013887
50	0.028834	0.083292	0.071411	0.024242	-0.054069	-0.099981	0.014769	0.070237	0.051131	-0.019165	-0.085401	0.018936	-0.018692	-0.096097
51	0.045259	0.026885	0.051233	0.049537	0.099911	0.0199	-0.027971	0.018271	0.041662	0.042915	0.114736	0.024128	0.02248	-0.00134
52	0.029892	0.03372	0.044775	0.069494	0.04348	0.06682	0.005184	0.023978	0.072873	0.069485	0.082464	-0.002336	0.03179	0.085538
53	0.049013	0.024097	0.042742	0.022418	0.035952	-0.016434	-0.046598	-0.060007	0.017081	-0.031898	-0.072043	-0.000943	0.037513	-0.047475
54	-0.001385	-0.007702	-0.029683	-0.032291	0.013896	-0.078096	-0.043615	0.083608	0.091894	0.034162	-0.050507	-0.043021	0.012502	0.019082
55	-0.030844	0.020872	-0.000392	0.034053	-0.017146	-0.095387	0.022844	0.05421	0.051744	0.011164	0.040548	0.07351	0.04124	-0.022266
56	-0.026229	-0.055258	-0.041778	-0.016886	0.031407	0.022172	0.077189	0.081591	0.005508	0.044767	0.0208	-0.061709	-0.064734	0.053895
57	0.033831	0.033836	0.040599	0.031932	0.001155	-0.026068	0.077069	0.087189	-0.043531	-0.020856	0.012523	0.038153	-0.018197	0.014745
58	0.023852	0.032082	-0.001849	0.016909	0.000022	0.067996	-0.079997	0.106613	0.037673	0.052658	0.035111	0.035761	0.026071	0.048825
59	0.036036	0.03178	0.018637	0.046739	0.048443	-0.009081	-0.026052	-0.070637	-0.025878	0.055061	0.10255	-0.008315	-0.024087	0.04922
60	0.032903	0.028397	0.003067	-0.043532	0.006039	0.029219	0.042307	-0.014391	-0.00177	0.011784	0.079566	-0.010997	0.028669	-0.001861
61	-0.009429	-0.045079	-0.007794	0.001105	0.000218	0.089181	-0.009971	0.030259	0.044576	0.026799	0.000681	0.026802	0.012446	0.086262
62	0.013387	0.044659	0.059425	0.048452	-0.01983	-0.010101	0.02845	-0.065117	-0.002927	-0.017346	-0.044664	0.039419	0.053617	-0.014511
63	0.074891	0.048201	0.065607	0.015862	0.06009	0.041799	0.107041	0.052601	-0.088977	-0.019107	0.058776	-0.018525	0.061884	-0.066943
64	0.012489	0.040275	0.030914	0.064451	0.038859	-0.021685	-0.040019	0.047342	-0.008553	-0.035469	-0.047828	0.018223	0.021711	-0.008385
65	-0.032202	-0.008011	-0.017959	-0.038219	-0.082357	-0.030784	0.011942	-0.101131	0.03066	0.018571	0.025183	-0.054807	0.009716	-0.052915
66	0.002447	-0.020994	0.010035	0.034761	0.005436	-0.058058	-0.041194	0.0466	-0.053909	-0.046656	-0.03358	0.036377	0.012161	0.037976
67	-0.010809	0.011937	0.001787	-0.0107	-0.019931	-0.026406	0.123323	0.009869	-0.02225	0.001433	0.012083	-0.064055	-0.052988	0.001385
68	0.013936	0.001908	-0.000897	0.044831	0.039434	0.069995	-0.028847	-0.048372	0.026123	-0.000948	-0.003361	-0.027098	-0.012932	0.034263
69	0.017397	0.004213	0.012226	0.049369	0.056957	0.00745	-0.123412	-0.014223	0.07705	0.058836	0.189486	0.058367	0.023441	-0.070584
70	0.009325	0.00103	0.001207	0.012759	-0.054304	-0.146005	-0.020042	-0.026193	-0.019811	-0.050321	0.011556	0.052018	0.042187	0.056433
71	-0.028956	-0.012125	-0.027938	0.025063	-0.04314	-0.044572	-0.036644	0.056536	0.006216	0.025031	0.039521	-0.001109	-0.000581	0.042249
72	0.072232	0.083685	0.06426	0.050224	0.051834	-0.010982	-0.000903	0.045739	0.086831	0.039955	0.022271	-0.033168	-0.018701	-0.081979
73	-0.009787	-0.044254	-0.033769	-0.025482	0.046209	0.040582	-0.038177	-0.003131	0.014471	0.033747	0.106442	0.001655	0.015004	0.096121
74	0.027086	-0.016393	-0.024873	-0.065808	-0.02832	0.020823	0.031936	-0.136211	-0.03068	-0.007496	0.021381	-0.038975	-0.042963	0.013207
75	-0.071618	-0.024955	-0.072797	-0.199315	-0.118056	0.054546	-0.045866	-0.009645	0.060318	0.078415	0.043635	0.016488	0.034727	-0.072288
76	0.003296	-0.012018	-0.006526	0.06624	0.010787	-0.008074	-0.05251	0.004648	-0.030929	-0.012579	-0.073844	-0.023307	-0.09812	0.030223
77	-0.064652	0.014095	0.025108	0.013349	-0.060387	-0.018882	0.218678	0.098131	0.032543	-0.004346	-0.100335	-0.08074	0.021012	0.000534
78	0.115984	0.037788	0.067915	0.06583	0.097077	0.057261	-0.011964	-0.057219	-0.04618	-0.006834	0.034217	-0.03821	0.014374	0.007237
79	0.019869	0.004876	0.01977	-0.030008	0.054503	-0.008701	-0.013069	-0.10682	-0.004507	-0.052254	-0.066149	-0.01826	0.01794	0.027493
80	-0.042203	-0.025215	-0.036213	-0.015224	-0.02128	-0.03029	0.042071	0.068239	0.030029	-0.030446	-0.104067	0.002479	-0.061762	-0.083133
81	0.003284	-0.002756	-0.032313	-0.051793	0.02492	0.084171	-0.042615	0.040816	0.028963	-0.001671	-0.065438	0.044531	-0.013707	-0.05949
82	-0.067922	-0.063315	-0.053063	0.041131	0.03347	0.065982	0.003665	0.04156	0.110956	0.091679	0.043853	-0.048546	-0.011932	0.061233

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
83	0.1105	0.006922	0.011541	-0.007501	0.116327	0.125156	-0.092773	-0.05609	-0.078255	-0.045464	-0.07527	0.052429	0.117605	-0.053929
84	0.018018	0.005119	0.017237	-0.022509	-0.033903	0.028275	0.171439	-0.083288	-0.078035	0.02744	0.03291	0.012393	0.007756	-0.080847
85	0.021166	0.027595	0.048309	0.036173	-0.007587	0.0137	0.057773	-0.07982	0.017608	0.021891	-0.002436	0.017443	0.044964	0.01008
86	0.05793	0.036086	0.032021	-0.00132	0.01457	0.018952	0.061243	0.112636	-0.029902	-0.060136	-0.08142	0.029895	-0.002058	0.073352
87	-0.048469	-0.027382	0.003851	-0.042597	-0.086118	-0.033108	-0.00969	-0.117295	-0.059224	-0.036575	0.015067	0.007208	0.017732	-0.105224
88	-0.025184	0.00339	0.010195	-0.01708	0.05231	0.10048	-0.101769	0.105332	0.036844	-0.011838	0.038207	0.020365	-0.041656	-0.105849
89	0.032744	0.045739	0.08061	0.065186	0.049027	-0.001517	0.019794	-0.063604	-0.053137	-0.025077	-0.040668	-0.05564	-0.058978	0.115544
90	-0.006238	0.047697	0.010572	-0.009539	-0.060336	-0.143535	0.052742	-0.010208	0.04502	-0.006961	-0.034018	0.057022	0.076713	-0.119784
91	0.000567	-0.027459	-0.025145	0.021039	-0.017735	-0.043353	-0.079682	0.01343	0.043079	0.008042	0.011094	-0.063902	-0.042131	0.175951
92	-0.044072	-0.022762	-0.007314	0.024496	-0.058098	-0.043658	0.024647	-0.120752	-0.041834	-0.015803	-0.022524	-0.02642	-0.025024	-0.01228
93	-0.012052	-0.060041	-0.074116	-0.021901	0.07641	0.051178	-0.038231	0.025941	0.082783	0.0412	0.067646	0.020519	0.008377	0.078459
94	0.012618	-0.004852	-0.010074	-0.048223	-0.033659	0.015764	-0.030102	0.129743	-0.07761	-0.132718	-0.127026	-0.02984	0.039775	0.062028
95	-0.016964	0.004685	0.033299	-0.042349	-0.112175	-0.082285	0.072937	-0.083134	-0.077493	-0.01552	0.097706	0.028407	0.024582	-0.082354
96	-0.05553	-0.032138	-0.013077	0.015447	-0.021657	-0.026105	-0.179194	-0.044336	-0.005169	-0.007575	-0.049196	-0.006175	-0.00866	-0.013562
97	-0.008623	0.012043	-0.004918	0.016806	0.02843	0.008231	0.097223	0.033116	0.007204	-0.009308	0.015732	-0.013525	0.011434	0.005565
98	-0.006887	-0.130462	-0.087785	-0.017141	0.060048	0.008518	0.009663	-0.147562	-0.079916	-0.024107	0.03869	-0.058042	-0.038712	-0.00113
99	0.028208	0.061469	0.031762	0.026318	0.087069	0.158351	0.003828	0.011915	0.044267	0.017395	-0.000149	0.00564	-0.053715	0.024864
100	-0.0296	-0.00666	-0.00924	-0.047132	-0.074687	-0.064144	-0.003979	-0.020216	-0.031339	-0.025345	-0.044674	-0.008932	0.000188	-0.03264
101	-0.049139	-0.055473	-0.059539	-0.034932	-0.005406	-0.008482	-0.013851	0.025389	0.036072	0.039437	0.017423	-0.037594	-0.026098	0.031217
102	0.03188	0.008904	0.016017	0.013018	0.012625	-0.004735	-0.04013	-0.040556	-0.117659	-0.126242	-0.106056	-0.005262	-0.025377	-0.009508
103	-0.002996	0.004731	-0.002293	0.013397	-0.0133	-0.077308	-0.053748	-0.037574	-0.009291	-0.007605	-0.021725	0.003195	-0.013185	0.072667
104	0.006746	0.015076	0.012497	0.021731	0.032064	0.028399	-0.000894	0.025812	-0.016078	-0.002543	0.006304	-0.050031	-0.089552	-0.024207
105	0.00497	0.003403	-0.019382	0.003472	-0.014445	0.01376	-0.008121	0.076816	0.003932	0.006177	-0.026529	-0.028261	-0.026724	0.019855
106	0.007421	-0.005277	-0.000809	0.029026	0.038104	0.032122	-0.006052	-0.001995	0.019405	-0.018106	0.022123	0.007214	0.008581	0.037689
107	-0.009961	0.023112	0.012534	0.004321	-0.042609	-0.00365	0.02658	0.006107	0.067347	0.048414	0.040341	-0.014223	0.024571	-0.021256
108	0.008606	0.025796	0.020418	-0.003831	-0.019251	-0.0442	0.052946	0.003484	-0.027389	-0.024336	-0.054187	0.01648	0.055663	0.005117
109	0.012295	0.010911	-0.000059	-0.005571	-0.015658	-0.019538	0.053498	-0.034902	-0.005896	0.006294	0.01557	0.019911	-0.008068	0.069764
110	-0.016606	-0.000786	-0.022617	-0.025698	-0.031844	-0.011249	-0.081432	-0.037865	0.024634	-0.010631	-0.050711	0.022012	0.028909	-0.035642
111	0.011968	0.014501	0.006775	0.005126	-0.006448	0.025552	-0.004391	0.056886	0.014963	0.012896	-0.022378	-0.003988	-0.004071	0.027231
112	0.025453	-0.011505	-0.003794	-0.006132	0.051961	0.049731	-0.02714	-0.009339	-0.038674	-0.029096	-0.013709	0.042679	0.028368	-0.012829
113	0.027803	0.016777	0.035024	0.019168	-0.022573	-0.016948	0.010807	0.03335	0.012399	0.007243	-0.02695	-0.008308	0.087125	-0.00936
114	-0.006072	0.003027	0.009256	-0.00456	-0.020894	-0.011454	-0.008948	-0.015469	-0.032055	-0.034023	-0.023248	0.014718	0.052112	0.012355
115	-0.015014	-0.009479	-0.015485	-0.035324	-0.024771	0.000077	-0.07355	-0.04054	-0.018313	-0.011406	0.015421	0.008748	-0.023927	-0.026444
116	-0.013817	-0.001372	-0.008458	-0.017369	-0.055225	-0.024966	-0.016975	0.027337	0.005556	-0.007411	-0.021252	-0.011353	0.004777	-0.008033
117	-0.010866	0.009267	0.001177	0.002984	-0.005184	0.006756	-0.026366	0.002715	-0.00389	0.021208	-0.003874	0.003381	-0.015643	-0.015997
118	-0.023966	-0.019377	-0.01165	-0.020268	0.004696	0.038772	-0.050704	0.068023	-0.000581	0.014108	0.009217	-0.000383	-0.033581	-0.023567
119	-0.003224	0.011073	0.001207	-0.0243	-0.010256	0.008587	0.002275	-0.024088	0.003995	0.00503	0.003816	-0.010167	-0.020771	-0.009491
120	-0.005081	0.017643	0.019643	0.003446	-0.020425	-0.028534	0.04316	-0.046938	-0.016263	0.002636	0.001051	-0.008973	-0.004397	-0.046789
121	-0.010754	-0.008667	-0.001912	0.011641	0.004364	-0.012093	0.008427	-0.032134	0.003779	0.010446	0.00654	-0.022787	-0.009805	0.003694
122	0.003515	-0.019941	-0.012837	0.029947	0.00931	-0.00706	-0.061788	-0.02495	-0.000461	0.009401	-0.002964	-0.006341	0.000781	0.036874
123	-0.007455	0.004233	0.008033	0.018071	-0.028688	-0.054127	-0.01313	-0.020334	0.023466	0.020527	-0.006314	-0.021506	0.001232	0.011622

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
124	0.02885	0.028546	0.026262	0.0155	0.034514	0.019226	-0.002787	-0.002783	-0.000416	0.000252	-0.006003	-0.010674	-0.008299	-0.013707
125	0.020437	-0.02579	0.001363	0.021361	0.011417	-0.019443	-0.025027	-0.035724	-0.053956	-0.017468	0.017121	0.004959	0.005066	-0.003176
126	0.017605	0.011443	0.024274	0.020738	0.003855	0.008989	-0.035743	0.015107	-0.016468	-0.005355	-0.015302	0.010925	0.018781	-0.024546
127	0.006947	0.008595	0.019459	0.008793	0.000546	0.006214	-0.032245	0.028159	-0.008198	0.006641	0.013599	0.032506	0.036893	-0.035648
128	-0.0039	0.014135	0.012746	-0.018465	-0.054439	-0.033715	-0.035931	0.025554	-0.006743	-0.000403	0.032242	-0.011309	-0.000953	-0.011592
129	-0.005867	-0.002095	0.007757	0.013682	-0.008012	-0.01291	0.018763	-0.035167	0.011	0.021652	0.036062	0.020525	-0.006195	0.024635
130	0.006175	-0.003428	-0.001843	-0.010847	0.04336	0.040427	0.032664	-0.104527	0.038672	0.022685	0.009505	0.010197	0.023063	-0.037452
131	0.000011	0.004983	0.01037	0.029313	-0.002767	-0.000598	0.030212	-0.003662	0.032603	0.027615	-0.012335	-0.022889	-0.016806	0.02967
132	-0.014501	0.017866	-0.020676	-0.033273	-0.054696	-0.051751	0.012935	0.026116	0.046653	0.008426	-0.028153	-0.018053	-0.03627	0.002356
133	-0.014304	-0.004156	-0.001989	-0.013889	0.000201	0.003752	0.028903	0.035374	-0.005092	0.007082	0.018461	0.000103	0.006678	0.014066
134	-0.001973	-0.000201	-0.00233	0.010106	-0.013666	-0.032422	0.008132	0.007403	-0.023477	0.00862	-0.017366	-0.006953	-0.018073	-0.021254
135	0.005846	0.011889	0.01942	0.027621	0.017901	0.009384	-0.020355	0.029102	-0.000457	-0.007196	-0.004434	0.012782	-0.017892	-0.009408
136	0.000656	-0.014935	-0.007755	0.01329	0.011777	0.003862	0.009066	-0.045778	-0.028912	-0.026795	-0.007409	0.001236	-0.026061	-0.00776
137	-0.016656	-0.034939	-0.037053	-0.023384	0.000574	0.009823	-0.069523	0.02451	0.02762	0.056083	0.044627	-0.021693	0.028202	0.033539
138	-0.000824	-0.015133	0.001205	0.038281	0.030913	0.006108	-0.03401	0.028911	0.044403	0.024498	0.01592	-0.006365	-0.000348	-0.009734
139	0.011983	0.000581	-0.011678	0.004797	0.006549	-0.037281	0.014144	-0.081653	-0.017036	-0.018042	-0.058425	-0.009266	0.038176	0.020885
140	0.002781	0.008244	0.005567	0.002057	-0.005129	-0.04268	0.073798	0.012213	0.004108	-0.015098	-0.013949	0.03981	-0.020104	-0.009749
141	0.016574	0.015853	0.013242	0.010695	-0.006022	-0.0009	-0.044374	-0.013489	-0.008243	-0.026818	-0.037112	-0.026858	-0.017571	-0.04195
142	-0.043969	-0.017002	-0.006823	-0.011638	0.004663	0.017901	-0.024943	0.009965	0.016386	0.001146	-0.010785	0.037838	0.007637	-0.02127
143	-0.002498	0.01316	0.014765	0.031011	0.010574	-0.025312	0.009665	-0.020563	0.018976	0.012004	0.028901	-0.056858	-0.026957	-0.001015
144	0.017139	0.014697	0.013053	-0.013342	0.00276	-0.018401	-0.002746	-0.027579	-0.02828	-0.036581	-0.004183	0.024911	0.017307	-0.05046
145	0.010061	0.011064	0.020921	0.037089	0.021345	-0.014615	-0.006639	0.029228	-0.010581	-0.005582	-0.011547	-0.006364	0.02118	-0.003666
146	-0.00486	0.008183	0.011945	0.012929	-0.025775	-0.024082	0.009963	0.002718	-0.015645	-0.008581	-0.015981	0.027409	0.0153	-0.029292
147	-0.012156	-0.015333	-0.009745	-0.013255	-0.019953	0.035318	0.063432	0.011608	0.00955	-0.002207	-0.005917	0.04737	0.057991	0.017998
148	-0.001401	-0.008471	-0.001226	-0.037171	0.023822	0.047314	-0.043996	0.013506	0.008756	-0.02021	-0.015904	0.01068	0.002816	-0.014836
149	0.030219	0.008516	-0.002188	-0.001158	0.040037	0.013056	-0.047122	0.047308	0.036352	0.046188	0.056038	-0.023937	-0.032668	0.026324
150	0.018065	0.008343	0.009068	-0.024224	-0.005919	0.021105	0.001729	-0.016387	-0.005507	0.001409	-0.020239	0.004418	0.034782	-0.057128
151	0.013603	0.025331	-0.007864	0.01024	0.010384	-0.026998	-0.003393	-0.048798	0.011182	0.008948	-0.022608	-0.032704	-0.011701	-0.011011
152	-0.004375	-0.009492	-0.006823	0.00041	0.022168	0.011944	-0.028826	0.011347	0.035663	0.031916	0.037274	0.013186	0.017957	0.005376
153	-0.00711	-0.003046	-0.014743	-0.011456	-0.020395	-0.014768	-0.000525	-0.019832	0.041115	0.008565	0.000954	0.020568	0.026713	0.005067
154	0.005361	0.010619	-0.000451	-0.033321	-0.00268	0.035452	0.01672	0.012939	-0.000891	-0.025195	-0.029304	0.025578	0.016383	-0.031193
155	0.00681	0.003122	0.000171	0.000307	0.006402	-0.004245	-0.031828	0.00742	-0.011106	-0.038169	-0.009811	0.007023	-0.021165	-0.014577
156	0.001117	0.014862	0.011382	0.012091	-0.029063	-0.061744	-0.010937	0.04054	0.014412	-0.02733	-0.007227	0.023991	-0.031427	0.003291
157	-0.003025	0.006354	0.014062	0.017299	-0.013557	-0.004039	-0.018112	0.011787	0.001971	0.014794	-0.007674	-0.02254	-0.053605	-0.003128
158	0.003615	-0.016312	-0.010955	-0.021013	0.002108	-0.018057	0.050706	0.065608	-0.016242	-0.013345	-0.002892	-0.022644	0.003102	0.019057
159	0.00662	0.018748	0.031609	-0.008304	-0.015515	-0.017969	0.018873	0.042257	0.004264	-0.002006	-0.004635	0.022686	0.036211	0.014249
160	0.01018	-0.001916	-0.004115	0.00532	0.024762	-0.027171	0.078023	0.048767	0.047596	0.024221	0.012888	-0.006901	-0.011946	-0.03196
161	0.015981	0.003549	0.015859	0.029551	0.04152	-0.011752	0.040678	-0.051178	-0.000219	-0.022951	-0.004157	-0.028202	-0.016751	-0.000056
162	0.007628	-0.02783	-0.008429	-0.01007	0.032762	0.053206	0.047114	-0.00479	-0.042034	0.014161	0.033449	-0.018242	0.001099	0.02886
163	-0.015354	0.010285	0.023406	0.016643	0.002397	-0.008603	-0.05628	0.036507	0.015825	0.005441	-0.004361	0.015781	0.029453	-0.009656
164	0.00449	0.016291	0.029759	-0.003685	-0.031321	0.005038	0.002943	-0.000003	-0.059409	-0.030251	-0.035669	-0.013317	0.030496	0.028533

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
165	0.006546	0.016346	0.012572	0.010591	0.005732	-0.038768	0.052783	-0.012941	-0.007636	-0.017703	0.020451	0.007544	0.025895	0.013318
166	0.014624	-0.002601	-0.006467	0.025932	0.067072	0.024228	-0.019261	-0.057049	0.04926	0.04736	0.041586	-0.025776	-0.059348	0.035252
167	-0.012042	-0.009936	-0.020006	0.030436	0.023201	0.007692	0.024327	0.02028	0.019632	0.005167	0.025387	-0.026174	-0.017228	0.016892
168	-0.044444	0.024316	0.029071	-0.008057	-0.080162	-0.079415	0.066961	-0.020048	0.035804	0.032966	0.026329	-0.010277	-0.011657	-0.064162
169	-0.020048	-0.006576	0.000163	-0.008029	-0.009425	0.00072	0.008611	-0.010043	0.029736	0.030709	0.016198	-0.0311	-0.016147	0.020175
170	-0.015484	-0.013965	-0.01779	-0.041716	-0.015889	0.014589	0.037248	-0.02155	0.04943	0.049122	0.035128	-0.037533	-0.015655	0.026098
171	-0.036257	-0.001207	-0.003774	-0.020449	-0.067487	-0.074447	0.030453	-0.036346	0.041046	0.033876	0.012472	-0.024168	-0.005966	-0.003612
172	0.031827	0.020046	0.037264	0.008832	0.026221	0.010383	-0.032284	-0.051942	-0.065373	-0.060952	-0.040662	-0.01174	0.023597	-0.009945
173	0.029835	-0.009782	0.011764	0.000962	0.019148	0.009193	-0.013553	-0.07403	-0.097313	-0.062949	-0.018741	0.008927	0.033334	0.011213
174	0.000029	0.012598	0.013132	0.013657	0.034809	0.022872	-0.027845	-0.008959	0.004561	-0.070124	-0.094273	0.002047	-0.017704	-0.020397
175	0.022435	0.040949	0.015756	-0.006666	0.028035	0.038369	0.009501	0.054529	0.043138	-0.00316	-0.079611	-0.010017	-0.000552	-0.042161
176	0.011286	0.02658	0.022101	0.00798	0.002099	-0.035584	0.019559	0.032737	0.020433	-0.007641	-0.042458	-0.044964	0.030448	0.013305
177	0.01027	0.005321	-0.004057	-0.008816	0.011853	0.061038	0.007745	0.000378	0.038423	0.035262	0.07194	0.006701	-0.015819	0.02545
178	-0.054744	-0.058425	-0.049638	-0.022658	0.004642	0.016653	-0.053503	0.005141	0.035067	0.024518	0.035366	-0.003463	0.017093	0.003552
179	0.890472	-0.058942	-0.066912	-0.063933	-0.091976	-0.034373	-0.005439	0.017218	0.049274	0.036014	0.010849	-0.01608	-0.032021	-0.014831
180	-0.065025	0.904993	-0.078953	-0.053546	-0.02061	0.009697	-0.043692	-0.028979	0.006563	0.0141	0.02028	-0.018947	-0.017012	0.029961
181	-0.070002	-0.077678	0.905673	-0.069315	-0.032252	0.005056	-0.032579	0.003822	0.039057	0.03416	0.02331	-0.009946	-0.022691	0.02634
182	-0.053875	-0.046377	-0.071194	0.86141	-0.078713	0.006129	-0.00822	-0.010372	0.003703	0.010447	-0.002712	-0.005808	0.005051	-0.051888
183	-0.086155	-0.00961	-0.032604	-0.093659	0.791981	-0.144707	0.03557	-0.008782	-0.002224	0.00063	-0.030853	-0.013335	0.003184	-0.065605
184	-0.058382	0.005411	0.000712	-0.015169	-0.169094	0.685244	0.015491	-0.039706	-0.028009	-0.050168	-0.059998	-0.014051	0.005408	-0.048331
185	0.014607	-0.036	-0.020383	0.000746	0.058198	0.020184	0.617058	-0.060464	-0.000521	-0.043966	-0.02656	0.025376	0.01828	0.003451
186	0.013827	-0.02359	-0.004071	-0.026088	-0.019935	-0.031581	-0.003725	0.616017	-0.089061	-0.056196	-0.018538	-0.021961	-0.024514	-0.046054
187	0.024093	-0.020809	0.011221	-0.015944	-0.013095	-0.008403	0.004357	-0.092926	0.803429	-0.140196	-0.099485	-0.000234	0.016389	-0.027247
188	0.017483	-0.003357	0.015059	-0.007601	-0.00708	-0.023814	-0.033646	-0.038196	-0.133836	0.827729	-0.165348	0.017319	0.020946	-0.025987
189	-0.007433	0.015257	0.008276	-0.010485	-0.037863	-0.031255	0.009228	0.03219	-0.073212	-0.145665	0.71292	-0.00629	-0.005986	-0.01174
190	-0.007855	-0.00966	-0.00752	-0.013897	-0.030389	-0.039331	0.059489	-0.020562	0.003266	0.030434	0.008014	0.845907	-0.080515	0.038862
191	-0.027452	-0.017182	-0.025728	-0.003593	-0.002195	0.006397	0.034	-0.006242	0.016761	0.03204	0.020118	-0.09908	0.815081	0.02761
192	-0.017523	0.016069	0.006284	-0.048724	-0.045907	0.007724	-0.010581	-0.037951	-0.023065	-0.031368	-0.039381	0.026664	-0.005301	0.714894
193	-0.014762	0.00437	0.008326	-0.05329	-0.059798	-0.032788	-0.00868	-0.06052	-0.052644	-0.047844	-0.028612	-0.006218	0.006816	-0.110493
194	-0.030203	-0.026316	-0.008645	0.007425	-0.042628	-0.043077	0.003072	-0.004969	-0.058173	-0.075025	-0.093419	-0.022065	0.000513	0.025716
195	-0.014485	-0.012909	-0.025579	-0.004484	0.004103	0.043488	0.005784	-0.058459	0.000246	0.031601	0.007173	-0.041276	-0.045273	0.043628
196	-0.014872	-0.019039	-0.029748	-0.028963	0.000687	-0.008337	-0.005158	-0.032265	-0.003381	0.002212	-0.007127	-0.051222	-0.034244	0.009654
197	-0.004632	0.011661	0.00716	-0.028241	-0.018501	0.002739	0.046244	-0.018734	0.00145	0.016607	0.00485	-0.101658	-0.098255	-0.024478
198	0.003736	0.006492	0.01667	0.008075	-0.022632	-0.038176	-0.024454	-0.021458	-0.011509	-0.013627	-0.028153	0.007332	0.036588	0.00873
199	0.001504	-0.004079	0.018474	0.015686	0.010519	0.008856	0.057952	-0.013526	-0.027231	-0.023546	-0.063676	0.006489	-0.01623	0.007048
200	-0.009004	-0.003544	-0.012557	-0.015123	-0.0114	0.06408	0.019526	0.012924	-0.018001	-0.015362	-0.011773	0.045736	0.043431	0.009929
201	0.002002	-0.043567	-0.023405	-0.011753	-0.002521	0.039007	-0.021288	0.0282	-0.01038	-0.004822	-0.011655	0.009949	0.005463	0.027584
202	0.021603	0.01839	0.019385	0.014542	0.036062	0.072191	-0.006911	-0.083765	0.002926	0.005571	0.018837	-0.000961	-0.0034	-0.027385
203	-0.015358	-0.010462	0.011766	-0.002236	-0.042163	0.017747	0.025456	0.046784	-0.021632	-0.00671	-0.015718	-0.035192	-0.033441	0.028917
204	-0.00938	-0.004293	-0.012551	-0.020071	-0.0307	-0.066083	-0.028389	0.046936	-0.017889	-0.00152	0.015964	-0.024189	0.005011	0.039913
205	-0.013956	0.004155	0.002986	-0.033119	-0.039383	0.022308	0.054064	0.008328	0.01534	0.016437	-0.004116	-0.068591	-0.03598	-0.041034

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
206	0.037693	0.022729	0.040297	0.039672	0.036676	0.007912	0.008356	-0.004114	0.033667	0.025184	-0.006954	-0.050316	-0.01295	-0.035457
207	0.008622	0.011483	-0.007319	-0.022395	-0.01621	-0.00388	0.014445	0.033755	0.028913	0.001914	-0.019654	0.002168	0.038643	0.046009
208	0.031086	0.010421	0.027315	0.045125	0.043076	0.022325	-0.015518	-0.058355	-0.009106	0.00461	0.024403	-0.001692	-0.029229	0.041836
209	-0.007617	0.001832	-0.007976	-0.010934	-0.017706	-0.041599	-0.0442	0.051085	0.029999	-0.004552	0.023125	0.042564	0.041159	-0.044554
210	0.010463	-0.022221	-0.02312	-0.018201	0.002179	0.009852	0.002456	-0.011118	-0.004054	0.047956	0.057883	-0.04241	-0.02914	0.006079
211	0.018946	-0.000989	0.031038	0.027301	0.02471	0.01939	-0.010227	0.029169	-0.03469	-0.018603	0.025047	0.0224	0.011931	-0.007993
212	0.014416	0.014025	0.006445	0.008963	-0.003405	0.000458	-0.054235	-0.049675	0.025043	0.017455	0.021025	-0.014786	-0.001531	0.006205
213	-0.026526	-0.041411	-0.036605	-0.051553	0.001199	-0.014332	0.004541	-0.033179	-0.021777	-0.033541	-0.063303	-0.017942	-0.038685	-0.003602
214	-0.085233	-0.053729	-0.048051	-0.036441	-0.080109	-0.068914	-0.010141	-0.008966	0.019782	0.008557	-0.01743	-0.004991	-0.012772	-0.025292
215	-0.045554	-0.059607	-0.064937	-0.019875	-0.024364	-0.034408	-0.034914	-0.059225	0.013505	0.027142	0.019123	-0.016896	-0.026201	0.023787
216	0.031257	0.019259	0.020836	0.032649	0.028561	0.007302	0.023618	-0.016161	0.006998	0.008048	0.003182	0.013916	-0.022919	0.031958
217	0.032532	0.037272	0.039882	0.005067	-0.012328	0.03435	0.009817	-0.015213	-0.035099	-0.028378	-0.030866	-0.006653	0.000554	0.010193
218	0.005749	0.00063	-0.006941	0.002042	0.004246	-0.011811	-0.022466	-0.039308	0.029738	0.022517	0.021024	0.007025	0.006039	0.024555
219	0.007332	0.011404	0.002977	0.025853	0.007896	-0.009285	0.007355	-0.027396	0.031771	0.019283	0.005088	0.01516	-0.013386	0.02321
220	0.0243	0.019645	0.021291	0.000217	-0.02007	-0.0211	-0.023503	-0.009676	-0.015513	-0.008427	-0.006971	-0.013822	-0.013397	0.034596
221	0.010065	0.001957	-0.000235	0.004292	0.013752	0.034808	-0.016206	0.027081	0.026985	0.027248	0.038457	0.019774	0.026659	0.018752
222	0.006099	0.004181	-0.003707	0.010621	0.007333	0.021834	0.011492	0.04812	0.013739	0.006041	0.017494	0.033554	0.01556	-0.053873
223	0.001697	0.003284	-0.009948	0.001304	-0.000587	0.004666	0.012573	0.044574	0.035215	0.023253	0.029892	0.017032	0.020511	0.016332
224	-0.011999	-0.001303	-0.00814	0.01404	0.031417	0.012893	-0.032233	0.005508	0.029959	0.008984	0.011783	0.018364	-0.005995	-0.074157
225	-0.01084	-0.003571	-0.00735	0.01446	0.01275	0.003755	-0.031417	0.002712	0.030705	0.02623	0.029629	0.023658	0.007423	-0.063155
226	0.02333	0.019727	0.016455	0.008055	-0.006972	-0.024236	-0.011572	-0.006195	-0.008882	-0.010001	-0.022467	0.002489	0.010891	0.005189
227	-0.004006	0.00189	0.020115	0.018801	-0.014106	-0.03013	-0.032287	0.012639	-0.005758	-0.009033	-0.022753	-0.005093	0.004225	-0.032972
228	0.014186	0.025597	0.012077	-0.01387	0.020041	0.048733	-0.001762	0.016408	0.025128	0.024208	-0.01333	-0.010699	-0.006468	-0.064036
229	-0.012125	-0.024485	-0.033615	-0.002907	0.017424	-0.006452	0.020244	-0.025686	-0.01698	0.008391	0.024108	0.034425	0.002522	0.038133
230	-0.010291	-0.015435	-0.012664	0.010236	0.0186	0.030025	-0.001395	0.017168	-0.003628	-0.00202	0.026762	0.002111	-0.021361	0.024701
231	0.02624	0.022735	0.019892	-0.016478	-0.012316	-0.028452	-0.031436	0.037907	-0.035778	-0.011364	0.011395	-0.000029	0.035053	0.021867
232	-0.01969	-0.021972	-0.010376	-0.000841	-0.016062	0.006654	-0.046826	-0.016138	0.015043	-0.006977	-0.000259	-0.007935	-0.015054	0.038879
233	-0.005111	0.003374	0.002646	0.01306	-0.017162	0.009805	-0.035902	-0.046817	-0.020026	-0.014974	-0.040607	0.032657	0.005369	-0.025043
234	0.002224	0.005979	0.010708	-0.001245	0.013015	0.025137	0.009378	0.002925	-0.003411	0.008587	0.00677	0.016688	0.039691	-0.009061
235	-0.000109	0.003073	0.004054	0.012466	0.025722	0.050362	-0.008266	0.022541	-0.00095	0.012173	0.01768	0.022776	0.02537	0.000455
236	0.007436	0.007151	0.005964	-0.006646	-0.004697	-0.010579	-0.005422	0.010011	0.011452	-0.000443	-0.01283	-0.040245	-0.004138	0.035572
237	0.00285	-0.006413	-0.004298	0.005987	0.009273	-0.01685	0.020343	0.006269	-0.01189	-0.009321	-0.032682	-0.013864	-0.00219	0.003835
238	-0.00705	0.003682	-0.010163	0.006072	0.005522	-0.00042	0.042776	0.030455	0.021065	0.014729	-0.000409	-0.017899	-0.048742	-0.000944
239	-0.005125	0.006311	0.000271	0.00464	-0.006461	0.004562	0.021087	0.005934	0.008932	0.011408	0.014484	-0.001475	-0.022444	-0.006141
240	0.006985	0.010986	0.019078	0.0195	0.015704	0.029536	0.011525	0.000196	-0.006586	-0.006408	-0.000946	-0.017587	-0.000687	-0.001306
241	-0.009408	0.00981	0.003206	0.002862	-0.001847	0.034213	0.007825	-0.025041	0.001533	-0.001312	-0.026466	-0.007268	-0.007497	-0.021268
242	0.013691	-0.003738	-0.013324	-0.032659	-0.005754	0.019105	-0.02518	-0.010248	-0.005299	0.006228	-0.02511	0.003113	0.010668	0.000491
243	0.009784	0.008765	0.00781	0.024791	0.008134	-0.006667	-0.027116	-0.039845	0.020493	0.017055	-0.004303	0.00997	-0.010846	0.014212
244	-0.015635	-0.020736	-0.003727	-0.00075	-0.009146	0.009639	-0.02268	0.00051	0.001844	0.010359	0.033271	0.001734	0.017945	0.001521
245	-0.021211	-0.009431	-0.016843	-0.013374	-0.017779	-0.02437	-0.058226	0.004716	0.008178	-0.044465	-0.028398	0.024619	0.019368	-0.034276
246	0.007915	-0.004538	-0.008769	-0.020514	-0.008325	-0.017997	-0.029415	-0.000234	-0.028291	-0.020331	-0.020074	0.005945	0.01037	-0.012505

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
247	-0.002571	-0.003984	-0.0009	0.003316	-0.012469	-0.033383	-0.013486	0.002462	0.000359	0.001146	0.004502	-0.037367	0.00712	0.020534
248	-0.020541	-0.006144	-0.012505	-0.001425	-0.027294	-0.034469	-0.02181	0.019102	0.024562	0.005324	-0.002947	-0.025689	-0.010252	0.028341
249	0.022469	0.001938	0.017436	0.019657	0.013986	0.00523	-0.020851	-0.048281	-0.010537	-0.019821	0.010207	0.007015	0.021339	-0.052484
250	0.006966	-0.003462	0.008782	-0.000151	-0.001115	0.020453	0.042058	-0.021956	-0.032662	0.004258	0.031809	-0.012708	0.007175	-0.016248
251	-0.006505	-0.00466	-0.006894	0.005901	0.003853	0.027204	0.014404	0.002165	-0.002902	0.012209	0.021629	0.006441	0.014918	0.010177
252	-0.027883	-0.014492	-0.021531	-0.027298	-0.025497	-0.01924	-0.092602	-0.019149	0.026364	0.013726	0.016111	0.01086	0.015823	-0.010254
253	-0.010382	0.008337	0.001566	0.006741	-0.021481	-0.051225	-0.03787	0.024794	0.014785	0.006527	0.018016	0.013766	0.009294	0.00853
254	0.004987	-0.005126	-0.005436	0.000517	0.024257	0.017286	-0.021236	-0.017762	0.024133	0.01413	0.020582	0.008227	0.003937	-0.013453
255	0.008091	0.002196	0.004248	-0.005115	0.025337	0.031547	-0.026458	-0.004383	0.00109	-0.002133	0.006707	0.004185	0.011713	0.000347
256	0.003183	-0.018463	-0.009566	-0.016271	0.030092	-0.003257	-0.080035	-0.019272	0.00551	-0.039012	0.001555	0.009895	0.000081	0.006295
257	-0.010598	-0.004969	-0.00207	-0.008	-0.003253	0.026157	0.000844	0.008651	0.002143	0.007812	0.012846	0.012663	0.000431	-0.021375
258	-0.001623	0.00201	0.002288	0.000754	0.017652	0.026211	0.021226	0.013497	0.015617	0.007989	-0.009402	-0.019549	0.004353	0.018973
259	0.016247	0.001932	-0.004254	0.002045	0.015213	0.029861	0.013632	-0.016363	-0.012739	-0.012748	-0.010641	0.023589	0.020204	-0.051697
260	-0.021587	-0.033246	-0.024296	-0.018104	-0.011306	-0.005823	-0.003035	-0.046459	-0.033619	0.005656	0.013282	0.012962	0.039136	-0.016563
261	0.001908	-0.001363	-0.010771	-0.016755	0.003398	0.010391	0.016041	-0.004243	-0.004174	0.014534	-0.00138	-0.002671	0.025927	0.014686
262	0.006392	-0.002955	-0.002814	-0.004699	0.003642	-0.009952	-0.024472	0.038454	0.009983	0.007172	0.00022	-0.004476	0.036668	-0.001353
263	0.001273	0.003264	-0.006589	-0.000548	-0.003789	-0.002885	-0.012475	0.038324	0.011995	0.002545	-0.001083	0.012154	0.017773	-0.009446
264	0.021779	0.014209	0.02001	0.033768	0.02822	0.007424	0.031132	0.010177	-0.025728	-0.027395	-0.02007	0.008094	0.006045	-0.063949
265	0.006671	0.013959	0.022881	0.022421	0.009182	0.000907	0.035655	0.006986	-0.005369	0.000037	-0.016434	-0.014312	-0.015737	0.000484
266	-0.002364	0.007018	0.013652	-0.00163	-0.002127	-0.014548	0.007753	-0.012532	-0.01589	-0.005803	-0.007286	0.006591	0.000043	0.026988
267	0.026292	0.011223	0.016343	0.01524	0.019055	-0.047766	0.031707	-0.003678	0.003014	0.001108	-0.00775	0.001354	0.021464	0.062368
268	0.019553	0.01795	0.026818	0.020823	-0.007528	-0.020152	-0.000275	-0.011921	-0.017571	-0.003348	-0.010622	-0.009978	0.005199	0.010256
269	0.005916	0.010002	0.008379	0.004833	-0.010044	-0.020086	-0.016418	0.01288	-0.004008	0.002993	-0.009533	0.001701	-0.002371	0.02489
270	0.001968	0.015516	0.013793	0.002145	-0.010654	-0.021519	-0.009445	0.018381	0.002079	-0.002996	-0.02109	0.003162	-0.005489	-0.001244
271	0.009077	0.013115	0.004838	-0.013236	-0.015259	-0.033831	0.021673	-0.033013	0.008582	0.017026	0.017113	-0.007301	-0.005484	-0.075596
272	0.001571	0.009039	-0.006466	0.010539	0.039516	0.030731	0.045267	0.022863	0.017609	0.013837	0.006636	-0.000817	0.001551	0.02384
273	-0.007218	-0.000092	-0.00334	0.015528	0.012728	0.023225	0.001394	-0.019838	0.008809	0.007552	0.009306	-0.009642	-0.01862	-0.002484
274	-0.01039	-0.007323	-0.010615	0.007503	0.018501	0.034752	-0.000592	-0.020468	0.003336	0.007286	0.009422	-0.009388	-0.021761	-0.003539
275	-0.021409	-0.012364	-0.000118	0.017566	0.005047	-0.016269	0.020471	0.044132	0.006497	-0.010133	0.000666	-0.01562	-0.020723	0.034238
276	0.004012	0.001834	-0.002888	0.001093	0.013104	-0.018536	0.008486	0.019954	0.02544	0.006316	-0.000652	-0.024532	-0.001977	0.037211
277	-0.020491	-0.008078	-0.01306	-0.010585	0.001307	0.011447	0.045988	0.008547	0.011817	0.02009	0.017008	-0.002668	0.010345	0.001086
278	-0.039264	-0.016553	-0.029991	-0.045691	-0.025754	0.000232	0.029677	0.038803	0.007553	0.01523	0.004631	0.019225	0.026316	-0.013975
279	-0.027636	-0.003862	-0.014223	-0.004638	-0.015182	0.000047	0.064026	0.017841	0.025533	0.022977	0.018946	0.000804	-0.034089	-0.005015
280	0.027277	0.035382	0.026364	0.019951	0.008635	0.01476	0.031835	-0.021812	0.022975	0.018653	-0.02032	0.013573	-0.002447	-0.001943
281	0.019174	0.003392	-0.004405	-0.005846	-0.009949	-0.015461	0.034366	-0.033722	-0.018239	-0.018238	-0.018758	0.004605	-0.008444	0.015743
282	-0.002259	0.001005	-0.012839	-0.029423	-0.02295	-0.013697	0.004118	-0.007222	0.009084	0.007231	0.01912	0.006535	-0.001481	0.002044
283	-0.009526	-0.01788	-0.006796	0.012434	-0.006036	-0.05045	-0.008685	-0.035655	0.008386	0.00436	0.014861	-0.024803	0.002406	0.025125
284	-0.005621	-0.010924	0.001383	-0.001202	0.000191	0.009748	0.01672	-0.014265	-0.008376	0.003396	0.019826	0.007232	-0.007757	-0.017389
285	-0.009182	-0.026619	-0.010663	-0.011404	-0.004214	0.003144	0.004138	-0.031376	-0.02082	-0.00008	0.0375	0.009526	0.002551	-0.027714
286	-0.002039	-0.022732	-0.014774	-0.019659	-0.009342	-0.001954	0.025959	0.002114	-0.007476	-0.000702	0.010606	0.023587	0.014912	-0.000985
287	-0.001304	-0.009464	-0.00352	-0.01261	0.002181	0.004487	0.023698	0.001854	0.002878	0.000675	0.00551	0.022351	0.01474	0.000293

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
288	-0.006494	-0.011688	0.008761	0.02489	0.01091	-0.039346	0.026097	0.006226	-0.024361	-0.017927	-0.039022	-0.041595	-0.005081	0.007349
289	0.015115	0.006676	0.012926	0.011377	0.019255	0.011253	0.007681	0.031075	0.009834	0.022756	0.010549	-0.018318	0.008018	0.016565
290	0.017188	0.021621	0.031577	0.025937	0.004648	-0.044414	-0.029067	-0.00876	-0.001735	-0.009079	0.005835	0.008366	0.018695	-0.014552
291	0.02136	0.020637	0.031647	0.023702	0.009077	-0.039957	-0.029268	-0.008244	-0.003985	-0.006514	0.010456	0.008936	0.021794	-0.014619
292	0.02164	0.024405	0.029092	0.03254	0.018993	-0.024896	-0.021616	0.014918	0.005239	-0.005115	0.013725	0.004164	0.002909	-0.017594
293	0.01459	-0.013	0.000297	-0.011596	0.004508	0.030318	0.007245	-0.002702	-0.01395	0.006765	0.028117	-0.01446	0.004443	0.027061
294	0.021935	0.004273	0.019468	0.029878	0.021211	-0.009876	-0.006472	-0.018451	-0.023288	-0.015353	-0.020839	-0.011979	-0.00044	0.008173
295	0.009865	-0.008398	0.003688	0.002559	0.003574	0.000844	-0.018257	-0.031674	-0.015256	-0.000857	0.014101	-0.021712	-0.008812	-0.016977
296	-0.002368	-0.012703	-0.007283	0.005004	0.011928	-0.007175	-0.003851	0.014001	-0.009285	-0.004272	0.000395	-0.02432	-0.008259	-0.001244
297	0.003765	-0.004875	-0.00064	0.000644	0.01625	0.007301	-0.017505	-0.007539	-0.003543	-0.002968	0.007962	0.001374	0.003083	-0.013306
298	-0.019837	-0.00275	-0.016934	-0.010875	-0.014822	-0.00761	-0.030333	-0.001051	0.026543	-0.001114	-0.025853	0.013178	-0.016809	0.028315
299	0.004721	0.014382	0.017798	0.01286	-0.006082	0.000101	0.003137	-0.013025	-0.006434	0.00868	0.016768	-0.023591	-0.013124	-0.000594
300	0.002296	-0.007367	0.010462	0.031684	0.010423	-0.023516	-0.015755	-0.002016	0.024589	-0.00791	-0.018207	-0.008256	-0.015863	0.032866
301	0.001996	0.007491	0.015771	0.006835	-0.019385	-0.003788	-0.009356	0.002924	-0.006854	0.008894	0.009115	-0.002311	0.007366	-0.011765
302	0.013358	0.016631	0.01512	0.014229	0.000328	0.007543	0.013519	0.017119	-0.001121	0.0139	0.007124	0.008641	0.024081	-0.015692
303	0.011257	0.018872	0.024326	0.017747	-0.009404	-0.006029	-0.003911	0.0183	-0.009012	-0.00113	0.007659	-0.013382	0.019837	0.005741
304	0.004858	0.028691	0.020896	0.022496	-0.012763	-0.024423	-0.004017	0.037431	0.003342	-0.008027	0.00519	-0.014159	0.005732	-0.008997
305	0.04601	0.024525	0.017769	-0.014954	0.02773	0.085678	-0.014261	-0.022178	-0.005493	0.004961	0.030559	-0.008595	-0.0066	0.000399
306	-0.00345	0.010202	0.012433	0.015706	-0.006497	0.021554	0.021883	0.029625	0.028746	0.030641	0.020658	-0.009516	0.028185	0.027702
307	-0.016259	-0.019252	-0.006577	-0.006573	-0.002997	-0.009241	-0.002023	-0.064425	-0.008304	-0.020859	0.025878	-0.051239	-0.022232	-0.060606
308	-0.011477	-0.00582	-0.013011	-0.002422	0.004709	0.008523	0.021504	-0.015155	-0.015458	-0.00851	0.005655	0.012694	0.00388	-0.024765
309	0.002938	0.002595	0.002407	-0.009904	0.001734	-0.016482	-0.010634	-0.017768	0.007609	-0.001963	-0.003621	0.004958	0.011698	-0.000207
310	-0.001641	-0.01473	-0.003537	-0.007607	-0.014949	0.003488	-0.008678	-0.000871	-0.014607	-0.009476	0.005337	0.006962	0.01914	0.019686
311	-0.015512	-0.006816	-0.003214	-0.012783	-0.034058	-0.012082	0.011203	0.005449	0.001509	0.001972	-0.009352	-0.01726	0.006967	0.01176
312	-0.000297	0.011117	-0.004986	0.012481	0.03662	0.051884	-0.025445	0.028869	0.018912	-0.021607	-0.01417	0.032075	0.00682	0.016801
313	-0.012234	0.012439	0.002582	-0.004649	-0.012046	0.027456	0.034177	0.037394	0.01718	0.012475	0.003263	0.008377	-0.013602	-0.006724
314	0.039439	0.008317	0.016635	0.000265	0.044202	0.034521	-0.033337	-0.042611	-0.025777	-0.031271	0.009276	-0.003181	0.012726	-0.01234
315	-0.003666	0.000127	0.001406	-0.01993	0.004215	0.027005	0.012949	-0.002454	0.004002	0.011767	-0.000802	-0.023436	-0.013435	-0.004604
316	-0.005707	-0.002098	0.002302	0.003758	0.021679	0.004366	0.043802	0.004041	0.002134	0.007435	-0.003118	0.001695	0.008683	0.050586
317	-0.01174	-0.018218	-0.014125	-0.021889	-0.003042	0.005736	-0.026012	0.001618	0.006706	0.006346	0.006708	-0.006507	-0.011292	0.018128
318	-0.009125	-0.020834	-0.020945	-0.008279	-0.012147	0.016763	-0.022113	0.028003	0.003141	-0.012339	-0.01888	-0.006359	-0.012371	-0.010308
319	0.000314	-0.009011	-0.005231	-0.003697	0.018691	0.006949	-0.014807	0.001524	0.001869	0.007378	0.01526	0.002708	0.001216	0.013201
320	-0.017736	-0.000951	-0.006939	0.006793	0.02568	0.037189	0.017467	0.038525	0.025738	0.018795	0.027085	-0.004568	-0.021201	0.035515
321	-0.003819	0.013448	0.01794	0.00607	-0.022824	-0.037308	0.022731	-0.005534	0.001154	0.014456	0.015358	-0.006591	0.004057	-0.058623
322	-0.00191	0.010987	-0.010311	-0.025002	-0.007028	0.051783	-0.020352	0.028932	0.037638	0.043416	0.039886	-0.010237	-0.045989	0.012371
323	-0.002879	0.023421	-0.003264	-0.013108	-0.024839	-0.008842	0.011216	-0.004371	0.016071	0.010205	0.005911	0.034528	0.004087	-0.029446
324	-0.015206	-0.01889	-0.020643	0.002056	-0.006697	0.022706	0.015756	-0.012411	0.04012	0.020347	-0.030928	0.013237	-0.025695	-0.000871
325	-0.001489	-0.000786	-0.005383	-0.03115	-0.008468	-0.021289	-0.017783	0.00701	0.01099	-0.002676	-0.050409	0.008757	0.011557	-0.014738
326	-0.00741	0.007821	0.003441	-0.010405	-0.022245	-0.006468	0.040082	-0.002537	-0.007973	-0.008293	-0.040945	-0.026139	-0.034611	-0.002549
327	0.011178	0.001144	-0.006926	-0.005557	0.011227	0.022276	0.018322	-0.00611	-0.006316	0.003542	-0.000381	-0.017102	-0.014042	-0.005924
328	0.021516	0.013949	0.001288	0.00807	0.013215	-0.051342	-0.014425	-0.049846	-0.016752	-0.018032	0.027941	0.000277	0.003238	-0.039436

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
329	-0.00236	0.000869	-0.002179	0.004192	-0.010245	-0.004965	-0.011185	0.018444	-0.009571	-0.00104	0.006684	0.024802	0.014265	-0.017667
330	-0.006938	0.011745	0.00053	-0.01864	-0.011519	0.022588	-0.012531	0.049425	0.002736	-0.000206	-0.054614	-0.014903	0.010044	-0.007341
331	0.014242	0.003883	0.009105	-0.003682	0.008353	-0.007668	0.030915	-0.019256	-0.015533	-0.004694	-0.012911	-0.010718	-0.009833	-0.015333
332	-0.019928	0.008822	0.006494	-0.008413	-0.019767	-0.007769	-0.046707	-0.015612	0.022933	0.000649	-0.003132	-0.017647	0.02066	0.006989
333	-0.001117	-0.00891	-0.011116	-0.026145	0.00103	-0.020426	-0.022798	-0.010955	0.006063	-0.002296	-0.026402	-0.003134	-0.029676	-0.025878
334	-0.030845	-0.023529	0.003655	0.015721	0.020351	0.010284	-0.046612	-0.017132	0.022026	0.011942	0.010139	-0.000991	0.023175	0.00369
335	-0.005643	-0.000387	-0.011138	-0.003989	-0.000471	-0.012098	0.010718	-0.01233	-0.015039	-0.015683	-0.03102	0.011442	-0.010474	-0.009646
336	0.034187	-0.00882	0.005614	0.006535	0.023688	-0.041775	-0.049061	-0.060731	0.002161	-0.007748	0.006031	-0.056274	-0.040066	0.019377
337	-0.01406	-0.0054	0.002314	-0.000821	-0.025724	-0.007451	0.01625	-0.003128	-0.000856	0.012957	0.023782	-0.049867	-0.029633	0.002489
338	-0.007358	0.007198	0.000216	0.003884	-0.020178	0.017474	-0.04777	-0.041049	0.01126	0.018264	0.032597	-0.003359	0.019575	-0.017782
339	-0.00361	-0.012173	-0.010159	-0.034585	-0.048321	-0.024243	0.047461	-0.073644	0.004107	0.004718	0.037667	-0.036417	0.005557	0.000707
340	-0.01141	-0.002616	0.004323	-0.036106	-0.005776	0.054949	-0.042687	0.027208	-0.010988	0.010187	0.006128	-0.000368	-0.011788	-0.056916

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
1	0.088056	0.001434	0.024706	0.019529	-0.055872	0.070416	0.052527	-0.02662	-0.025299	0.010598	-0.085773	0.039251	-0.057181	-0.004309
2	0.007435	0.008898	-0.071177	0.038005	0.042353	-0.060861	0.018287	-0.040898	-0.089569	-0.03035	-0.002347	0.111132	-0.008276	0.033354
3	0.031426	0.016063	0.052899	0.030304	0.020922	0.073166	-0.042706	0.010596	-0.117425	0.044779	-0.04594	-0.153041	0.14811	-0.010831
4	0.027126	0.008655	0.056382	0.04493	0.016407	0.096039	-0.040338	0.033654	-0.001942	0.119635	-0.032639	0.063696	0.096322	0.126989
5	0.027934	0.00492	-0.028329	-0.032895	0.026744	-0.033406	-0.032439	-0.044303	0.038988	-0.022284	-0.037868	0.050768	-0.011287	0.014479
6	-0.085431	0.033237	0.041182	-0.010605	0.005962	0.106058	0.054499	-0.01924	0.043876	-0.006844	0.042102	0.001785	-0.059267	0.0744
7	0.046121	-0.059158	-0.065224	-0.06982	-0.02384	0.047501	-0.049048	0.003641	0.037345	-0.025634	-0.064995	0.021955	0.021134	-0.106019
8	-0.051839	-0.103649	-0.026364	-0.015036	-0.12237	-0.008658	-0.014158	-0.028984	-0.079107	-0.054114	-0.03832	0.036212	-0.030858	0.043162
9	0.013006	0.051098	-0.039684	-0.027132	0.003353	0.017914	-0.0672	-0.075458	0.052902	-0.102001	-0.110528	0.091969	0.017818	-0.008335
10	-0.04977	-0.048356	-0.005743	0.001371	0.031323	-0.018956	0.014013	0.044554	-0.041661	0.00367	-0.035665	0.121	-0.087132	0.011419
11	-0.095754	0.038807	-0.01184	0.043518	-0.004418	-0.018885	-0.0845	-0.00166	-0.081166	-0.015123	0.003308	-0.03454	0.088543	0.0764
12	0.012742	0.056213	0.000867	-0.014599	-0.04996	0.04509	-0.026623	-0.017921	0.037534	-0.003008	0.047356	-0.007612	0.068408	0.049963
13	-0.025913	0.020976	-0.027421	-0.003879	-0.048155	-0.032022	-0.062974	0.105141	-0.067072	-0.014432	-0.070092	-0.059277	0.12348	-0.057442
14	0.042445	-0.015995	-0.033957	0.01284	0.045425	0.041069	-0.043164	-0.167274	0.062731	-0.098508	0.109481	-0.055117	-0.069083	0.038313
15	0.005841	-0.049659	-0.045704	-0.035448	0.063492	-0.068045	-0.020692	-0.116779	0.015242	0.03586	-0.040238	-0.14494	-0.007426	0.045632
16	0.04178	-0.000688	-0.031376	0.00784	0.045977	0.013004	0.018703	-0.003079	-0.000887	0.007587	0.056263	0.010897	0.080564	-0.046576
17	-0.019351	-0.021836	-0.040524	-0.041727	-0.035641	0.073788	0.009767	0.018654	-0.054373	0.107184	0.022647	-0.059449	-0.049674	-0.114318
18	-0.017501	-0.08854	0.00975	0.022152	0.066784	0.019454	-0.091962	-0.043249	0.041446	0.001614	0.068373	0.014569	0.05232	0.064634
19	0.026708	0.143033	0.036948	0.010385	-0.079966	0.035777	-0.071094	-0.017487	-0.017748	0.073427	-0.010168	0.026148	0.02769	-0.016105
20	0.065986	-0.066124	0.14081	0.08362	-0.010231	0.094188	-0.085222	0.154947	-0.075117	0.123653	-0.004237	0.002015	-0.034467	0.21365
21	-0.00185	-0.056409	0.008173	-0.024001	-0.014718	-0.202057	-0.142895	-0.003926	0.075305	-0.129143	-0.026341	-0.009904	0.002739	0.049675
22	-0.00148	-0.059935	-0.06762	-0.044731	0.004012	-0.023878	0.072528	-0.018068	-0.049558	-0.073388	0.111443	-0.037397	-0.038079	-0.035573
23	0.009363	-0.005675	0.024436	0.043567	0.031702	-0.071697	-0.104155	-0.043806	-0.102236	0.030896	0.016289	0.091808	-0.027565	-0.007488
24	0.006183	0.015661	0.053736	0.056484	0.03715	0.009757	0.070123	-0.075641	0.131631	-0.01497	-0.020065	-0.023649	0.027057	0.002889
25	-0.067134	-0.000807	0.026585	0.039992	0.029433	0.02768	0.077313	0.059749	0.073399	0.084009	-0.00835	-0.090388	-0.024322	-0.093975
26	0.011559	0.056839	0.049208	0.033748	0.039259	-0.114464	0.339117	-0.000123	-0.103285	-0.059013	0.080445	-0.016948	0.020506	-0.014577
27	0.014591	-0.032312	-0.072421	-0.046564	0.049893	-0.07298	-0.050747	0.050026	0.004523	0.003736	-0.003596	-0.076853	-0.104864	0.061316
28	0.001253	-0.019744	-0.015499	-0.009446	-0.00852	-0.101721	-0.047466	-0.058211	0.061535	0.02101	0.072159	-0.076901	-0.135013	0.005653
29	0.046995	0.009488	0.032574	0.014729	0.016661	-0.000565	-0.017094	0.00902	0.00031	-0.031734	-0.040585	-0.018238	-0.001742	-0.034214
30	-0.039679	0.024351	0.162431	0.06202	0.036492	0.098225	0.010622	-0.015591	-0.070107	0.0587	-0.136083	-0.080987	0.021932	-0.066558
31	0.019422	-0.014588	-0.028436	-0.042138	-0.030242	0.125732	-0.038113	0.026268	-0.007745	0.040073	-0.005989	-0.013571	0.087621	0.021906
32	0.027253	-0.00332	-0.037467	-0.007501	0.024805	0.013064	0.068883	0.024966	-0.108817	-0.070559	0.066971	-0.0716	0.037248	-0.088733
33	0.010224	0.038418	-0.088795	-0.041617	0.025425	-0.014778	-0.0116	-0.034308	-0.014176	-0.070419	0.053029	0.066592	0.066248	0.067406
34	0.002553	0.04757	-0.010494	0.010563	-0.039158	-0.125756	0.153589	-0.013019	0.108715	-0.008049	-0.084563	0.067862	-0.046626	-0.101545
35	0.067464	0.012263	0.061139	-0.002275	0.05453	0.027733	-0.03186	0.042697	0.069578	0.114202	0.010135	-0.032264	-0.073012	-0.00721
36	-0.005323	-0.004937	-0.052122	-0.015581	-0.063391	0.062572	-0.009911	0.000406	0.091089	0.017452	0.002478	0.189519	-0.210822	-0.036383
37	0.030128	0.109485	0.063625	0.043474	-0.051649	0.084872	0.005876	0.030891	-0.045223	-0.029908	0.058814	-0.026812	0.033024	-0.057805
38	0.04094	0.075814	-0.026996	0.007895	0.017931	-0.028857	0.024524	0.097797	0.092435	0.03103	0.118421	-0.037433	0.108008	0.034776
39	0.035397	0.15324	0.05908	-0.02043	-0.065116	0.041154	-0.044872	0.01746	-0.011985	-0.002451	0.064874	-0.041661	-0.170032	-0.065649
40	0.015638	0.053755	0.001767	0.061183	0.12953	0.050521	-0.126766	0.073705	-0.01225	-0.046526	0.073505	-0.029041	-0.151265	-0.08831
41	0.035142	-0.002645	0.031613	0.049728	0.141339	0.033241	0.040793	-0.033839	-0.14471	0.115523	-0.030947	0.134659	0.132741	-0.009158

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
42	0.007479	0.001821	-0.011857	-0.00135	0.010559	0.017286	-0.027981	-0.001274	0.017573	-0.012266	-0.01597	0.028736	0.009288	0.027197
43	-0.061536	-0.091704	0.072553	0.028616	0.053602	0.010352	-0.009088	0.018713	0.03412	0.023403	-0.007514	0.07328	0.076403	0.043322
44	-0.009215	0.010671	-0.046968	-0.088277	-0.142586	-0.064412	0.059031	0.145013	0.005535	-0.094205	-0.006246	-0.0495	-0.014881	-0.008509
45	-0.024038	-0.014448	0.084768	0.041385	0.01234	-0.009282	0.068199	-0.023666	0.159257	0.041821	0.021154	-0.029017	-0.027308	-0.065118
46	-0.005807	-0.014951	-0.023225	-0.0117	-0.000754	-0.048735	-0.057624	0.051324	-0.026262	-0.015541	-0.027509	-0.068111	0.052761	0.080492
47	0.053115	-0.024091	0.02394	0.028202	0.07558	-0.035042	-0.103061	0.023483	-0.076053	0.002979	-0.043683	0.041784	0.001216	-0.000699
48	-0.003195	-0.086584	-0.094383	-0.038826	-0.017221	-0.026436	0.06268	-0.077817	-0.007971	-0.030353	-0.021914	0.013878	-0.011445	-0.11798
49	-0.004473	-0.128516	0.017446	0.03807	0.075473	-0.01468	-0.05023	-0.061037	-0.095875	0.05284	0.003883	0.076007	-0.043756	0.22677
50	-0.120611	0.002993	0.061779	0.033121	0.01808	-0.0105	-0.007711	0.07389	0.127619	0.068296	0.009307	-0.018776	0.082171	-0.074383
51	-0.018821	0.013271	0.056216	0.064271	-0.040394	0.016496	-0.160949	0.086517	0.07955	-0.000786	0.026683	0.040651	-0.009655	0.001975
52	0.0338	0.038132	0.092693	0.059586	0.019467	0.031076	-0.080158	-0.000479	-0.030237	-0.014806	-0.008945	-0.021661	-0.00938	-0.098313
53	-0.019836	-0.006664	0.046124	0.012275	0.083584	-0.011465	-0.09941	0.0037	-0.023965	-0.018057	0.022067	0.166241	0.029889	-0.083567
54	0.004338	0.063473	0.001626	-0.098102	-0.033584	-0.013292	-0.066552	0.110885	-0.066802	0.044687	0.080714	-0.034273	0.01385	0.028034
55	-0.023671	0.040428	0.027537	0.031326	0.082255	-0.042988	0.112227	0.000375	-0.018419	0.047141	0.08769	-0.07497	0.005365	0.106023
56	-0.017991	-0.034104	0.008299	-0.048161	-0.048786	-0.008415	-0.00569	-0.045708	0.082701	0.027205	-0.048225	0.101954	0.079517	-0.047064
57	0.067693	-0.009876	0.048672	0.058635	0.013644	0.020834	0.005896	0.001806	-0.080011	0.156416	-0.090506	-0.032635	-0.059043	-0.015761
58	0.088731	0.036297	-0.09729	-0.046292	0.065439	-0.026161	0.089192	-0.087039	-0.020205	0.091416	-0.040332	-0.003244	0.08339	0.006927
59	0.00353	0.041383	-0.065518	-0.016526	0.024061	0.007141	-0.033217	-0.014571	0.175841	0.027627	-0.008049	-0.003972	-0.05643	-0.053791
60	-0.006349	0.087522	0.059621	-0.006364	0.015328	0.037022	-0.046136	0.086577	0.129068	0.077088	0.144407	0.026612	-0.061014	0.172112
61	0.032856	0.027439	0.00746	-0.041498	-0.015771	-0.023286	-0.052242	-0.063385	-0.094976	-0.057618	-0.017608	0.076405	-0.053522	0.001211
62	-0.008272	0.034635	0.055816	0.099093	0.023476	-0.054963	-0.112348	-0.045489	0.043766	0.003122	-0.138201	0.074115	0.095518	-0.026378
63	0.040386	0.036012	0.065577	0.039601	-0.006044	0.043124	0.092089	-0.003879	0.025722	-0.066623	-0.03498	0.057087	-0.006284	0.128443
64	0.050187	-0.003564	-0.005629	-0.004994	-0.002201	0.069751	-0.087862	0.082092	0.106845	0.056119	-0.064419	0.030987	0.016555	-0.033265
65	-0.03338	-0.04837	0.022274	-0.009922	-0.035126	0.011734	0.004481	0.088349	0.060213	-0.015925	-0.053319	0.059343	0.083983	0.020889
66	-0.083367	-0.088998	0.048677	0.042914	-0.008891	0.010204	-0.000873	0.009406	-0.066901	-0.026333	0.046666	-0.031195	0.071539	-0.061398
67	-0.088205	0.017877	-0.104648	-0.043359	-0.045887	-0.027877	-0.003359	-0.030836	0.019449	0.027352	0.120163	-0.073696	-0.057653	0.035568
68	0.029394	0.008929	-0.047582	0.03014	-0.016465	0.06238	0.025819	-0.01683	0.011317	-0.017425	0.095448	0.044297	0.079566	-0.012498
69	0.03135	0.060915	0.077627	0.028705	0.012104	-0.091286	-0.039151	-0.058324	0.097684	-0.085278	0.056871	-0.012786	0.011171	-0.037836
70	0.020802	-0.056568	0.043402	-0.083194	0.083602	-0.006346	0.090529	-0.003695	0.046739	-0.005231	0.049263	0.073525	0.073539	0.138017
71	0.036766	-0.004714	-0.01663	0.041233	0.066682	-0.016188	0.053431	0.030563	0.051098	0.032245	-0.05762	0.102954	0.050896	-0.084329
72	0.015699	0.065614	-0.040035	-0.056325	0.005788	-0.003111	0.023356	-0.03101	-0.08827	0.007459	-0.024247	0.023024	-0.32068	0.011584
73	0.04154	0.000017	0.054863	-0.015561	0.000837	0.031467	-0.006423	0.10288	0.031773	0.073762	0.07313	-0.095931	0.045689	-0.069573
74	0.061192	-0.001065	-0.022096	0.017418	0.024392	-0.02498	-0.10544	0.040273	-0.044369	0.002979	0.067983	-0.012535	-0.017337	-0.032513
75	-0.093255	0.108743	-0.0481	-0.023255	-0.005544	0.010327	0.016822	-0.069667	0.039181	0.000562	-0.059943	-0.005569	-0.091516	0.035208
76	0.059866	0.036549	0.006026	0.030311	0.021069	0.00964	-0.08982	0.102824	-0.06787	0.04383	-0.034978	0.006118	0.006619	0.006154
77	-0.015026	-0.107602	-0.031928	0.019694	-0.03252	-0.06242	-0.052569	-0.038402	-0.019476	-0.021193	-0.120511	-0.099823	0.007684	-0.009615
78	-0.0054	-0.067266	-0.060694	-0.007378	0.014896	0.109119	0.073776	0.111803	-0.079042	0.064883	0.08516	0.003406	0.005053	-0.10939
79	0.022709	0.060389	-0.024896	-0.059272	-0.078627	0.108948	0.016026	0.067408	0.073543	0.074593	-0.01326	0.099011	0.020247	-0.044328
80	0.053733	0.035803	-0.041537	0.012272	-0.078237	-0.067244	-0.020881	0.00792	0.06835	0.030592	-0.019484	0.133575	-0.034492	-0.005916
81	-0.061203	-0.019579	-0.006404	0.063279	-0.051377	-0.062402	0.034654	-0.035636	0.054488	-0.02119	0.004053	-0.095934	-0.047533	0.006155
82	0.137489	-0.016049	-0.056228	0.006053	-0.035025	-0.026947	0.017451	0.018794	-0.047027	0.048033	-0.009668	0.055819	-0.003783	0.126274

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
83	-0.018774	0.027575	-0.045814	-0.015482	-0.019604	0.002329	-0.104448	-0.054211	-0.05033	-0.045728	0.025901	0.078786	0.067341	0.032937
84	-0.11313	-0.011548	-0.045064	0.018274	0.000018	-0.020536	-0.08427	-0.012893	0.017768	-0.006166	0.069566	0.048722	0.002124	-0.060439
85	0.011827	-0.022232	0.004857	0.041642	-0.024161	0.012859	0.083573	0.003683	0.040077	0.035585	0.016865	0.046937	0.043196	-0.059065
86	0.077865	0.031824	0.048402	0.009246	0.023869	-0.091806	0.00002	-0.054414	0.0527	-0.09248	-0.037555	-0.097424	0.134749	0.054994
87	-0.136695	-0.000621	-0.011205	0.024026	0.050362	-0.034105	0.018059	-0.033859	-0.045812	-0.016325	-0.045045	0.139749	0.011051	-0.021368
88	-0.044627	-0.037802	0.033396	-0.033028	0.002097	0.073986	0.063636	-0.06616	0.134212	0.034527	-0.029881	-0.064381	0.087635	-0.137682
89	-0.006878	-0.048732	0.03313	-0.00217	-0.055732	-0.051175	-0.133673	-0.011958	-0.024648	0.013708	-0.098149	-0.075472	-0.136724	-0.053791
90	-0.038356	0.041795	0.088923	0.011644	-0.024214	0.004996	-0.066607	0.009267	-0.011413	0.042785	0.055674	0.027019	0.142707	-0.079086
91	0.019749	-0.061579	-0.014957	0.050032	0.016568	-0.025202	0.030243	0.032228	-0.0076	-0.091776	-0.060599	-0.054193	0.046055	0.057226
92	-0.052804	-0.063904	-0.020603	0.006104	-0.004129	0.03294	-0.059789	-0.050603	0.078166	0.002907	0.013301	-0.063758	0.092812	0.116659
93	-0.000647	0.065406	-0.021501	-0.066484	0.04021	0.061317	0.068479	0.014635	0.055818	0.048438	0.02743	0.078851	-0.07857	0.022026
94	0.023755	0.0159	0.092186	0.044834	0.017854	0.094247	-0.074926	-0.017694	-0.03351	0.033551	0.026872	0.013508	-0.093311	-0.091036
95	-0.100612	-0.010084	0.005286	0.030041	-0.016036	0.0061	-0.04816	0.032935	-0.054672	0.022933	-0.061641	-0.009897	-0.077468	0.010877
96	0.028332	-0.01908	0.003381	0.033434	0.001082	0.029388	0.093562	0.084696	-0.02593	-0.010833	0.137521	-0.019516	-0.089171	0.076628
97	-0.034244	-0.104321	-0.020199	-0.048538	0.021244	-0.014143	-0.010716	-0.017671	-0.10667	-0.010201	-0.009295	0.005413	-0.024001	-0.004781
98	0.033604	0.024152	0.027104	-0.037246	0.032593	-0.011099	-0.055935	0.020471	-0.028827	-0.016187	-0.003756	-0.099131	0.040762	-0.07883
99	-0.011068	0.099582	-0.03379	0.043469	-0.025807	0.091373	0.090769	0.002067	-0.010045	-0.087472	0.121209	0.028012	0.108506	-0.014925
100	-0.040066	0.020509	0.040127	0.003873	-0.027367	-0.010559	-0.012041	-0.023397	0.01884	0.008491	-0.017914	-0.006686	0.058513	-0.006246
101	0.030732	0.01709	-0.003861	-0.041817	-0.018254	0.009966	-0.020725	0.0207	-0.011726	0.007033	0.026882	-0.004578	0.032003	0.025098
102	-0.051839	-0.099029	0.005901	0.006941	0.004099	0.028845	-0.007698	0.031908	-0.016582	0.02173	-0.015875	0.010217	-0.007712	0.014777
103	-0.024903	-0.032527	0.016237	0.01099	0.005132	-0.030034	-0.027867	0.045792	0.08654	0.030828	0.026223	-0.018343	0.002549	-0.036978
104	0.012399	0.01549	0.009487	-0.000131	-0.088411	-0.012886	-0.037439	0.011907	0.013931	-0.033781	-0.025816	-0.019522	0.003656	0.014624
105	-0.031143	-0.011202	0.029555	0.02806	0.003565	0.008956	0.004034	-0.07266	-0.049444	-0.060909	-0.014813	-0.069137	-0.000899	-0.008788
106	0.012681	0.012337	0.016463	-0.002905	0.034051	-0.008545	-0.015491	0.026129	0.05267	-0.026753	-0.033905	0.015905	-0.017553	0.006827
107	-0.049969	-0.034831	-0.031436	0.0126	-0.004809	0.00905	-0.010743	-0.019035	-0.079427	-0.050472	-0.010093	0.063653	0.109027	0.009302
108	-0.023112	-0.011787	-0.006492	-0.033185	0.001567	0.008102	0.031174	-0.047473	0.006044	0.017172	0.097265	-0.004979	0.004139	-0.05534
109	-0.000773	0.027102	0.004306	-0.015815	0.050803	0.039654	0.056898	-0.04684	0.005289	0.024977	0.055548	-0.034011	-0.02942	-0.009659
110	0.015551	0.021905	-0.030657	0.008142	-0.012155	0.026931	0.009463	-0.00633	0.043056	0.033533	0.042427	-0.019118	0.003022	-0.060085
111	-0.025517	0.019766	-0.076863	-0.020506	0.025278	-0.012044	0.025006	0.004486	-0.029296	-0.01478	0.003741	-0.008891	0.013877	-0.025172
112	0.02325	-0.044975	-0.005163	-0.039183	-0.011012	-0.038789	0.031093	-0.000476	-0.029063	-0.053154	-0.011656	-0.018838	0.014386	0.009078
113	0.00021	0.022552	0.046438	0.048881	0.02648	-0.046633	-0.097186	0.009142	0.036886	-0.025269	0.012626	-0.050443	-0.062183	-0.066848
114	0.011483	0.047593	-0.04093	-0.031815	-0.004626	-0.023258	-0.003429	-0.047271	0.004839	-0.039653	-0.025902	-0.019189	0.087603	0.024036
115	-0.016889	-0.025006	-0.037269	-0.055659	-0.031788	-0.007899	-0.074241	-0.005176	0.018749	-0.051752	-0.003639	-0.010735	0.015265	-0.031372
116	-0.016078	0.040439	-0.058959	-0.057341	0.021351	-0.033072	0.042541	-0.005715	-0.084996	0.036847	-0.04458	-0.020059	0.01877	0.043411
117	-0.040897	-0.018816	-0.008991	0.001209	-0.007637	0.013255	-0.023499	0.018197	0.059791	0.016192	-0.01797	0.05573	0.032568	0.027195
118	0.008333	0.014424	0.030481	0.020537	-0.001566	-0.000486	0.045054	-0.018801	-0.063721	0.094769	-0.035496	0.012349	-0.012892	-0.033673
119	-0.025957	-0.006465	-0.015266	-0.003179	-0.008869	-0.017667	0.041233	-0.018954	-0.006017	-0.02753	0.009011	-0.04763	0.00745	0.000224
120	-0.061151	-0.025671	-0.005555	-0.010279	-0.030699	-0.008214	-0.029529	0.002537	0.020946	-0.026503	-0.018478	0.032013	0.036707	0.007774
121	-0.010471	-0.009716	0.000222	-0.016078	-0.007896	0.018904	-0.009365	0.005222	0.046082	-0.036017	-0.04223	0.02635	0.030964	0.015684
122	0.039826	-0.052367	-0.009159	-0.006942	0.009331	-0.006754	-0.003644	0.0714	-0.091094	0.002204	-0.003533	0.022611	-0.025165	0.000249
123	-0.009801	-0.034176	-0.015409	-0.005564	0.005187	-0.003719	0.039527	0.041817	0.004996	0.009414	0.032429	0.032711	-0.021452	-0.032195

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
124	-0.006441	0.002814	0.002501	0.007097	-0.011326	-0.036272	0.037628	-0.011369	-0.041257	-0.042431	0.00865	-0.026001	0.03496	-0.016382
125	0.018912	0.000031	0.008535	0.007967	0.028476	0.000963	0.002063	0.009728	0.002596	0.023543	0.036157	-0.0052	0.000772	-0.015411
126	0.029035	0.027011	0.021972	0.015075	0.023806	-0.033864	0.022879	-0.001898	0.019355	-0.02204	0.004881	0.016237	-0.043018	-0.002651
127	-0.004184	0.021377	0.033125	0.025166	0.023046	-0.001311	-0.005083	0.019169	0.015322	0.010987	-0.0038	0.02184	-0.046474	0.013939
128	-0.025382	0.022851	-0.000204	0.019197	-0.0454	-0.04709	0.034582	-0.051144	0.007075	-0.041179	-0.033632	-0.013436	-0.02639	0.045636
129	0.044791	-0.004038	-0.016462	0.01617	0.051979	0.016003	-0.047762	-0.02186	0.011349	-0.038222	-0.057731	-0.062046	0.003005	-0.00645
130	0.032169	0.070323	0.01574	0.008278	0.01638	-0.051842	0.00647	0.036038	0.095419	-0.030327	0.043484	0.021119	0.043338	0.009499
131	-0.017968	0.027267	-0.048399	0.027964	-0.005806	-0.038472	0.006195	0.002601	-0.033055	0.011364	-0.013961	0.0052	0.010509	-0.107565
132	-0.02653	-0.035428	-0.023392	-0.025608	-0.054959	0.035154	0.035984	-0.029988	-0.033205	0.020444	-0.008347	-0.067581	-0.009671	0.016299
133	-0.016295	0.010412	-0.010466	-0.007258	-0.004313	0.016278	0.019744	-0.045784	0.015754	-0.021601	-0.003873	0.063745	-0.007559	0.047223
134	-0.000756	-0.032833	-0.006993	-0.031511	-0.041512	-0.01417	0.048395	-0.012198	-0.043	-0.029913	-0.018054	-0.040595	0.066557	-0.005708
135	-0.011697	-0.012716	-0.005109	-0.003568	-0.017777	-0.021041	0.046491	-0.031734	-0.00363	-0.025414	0.000001	-0.010654	0.01296	-0.027324
136	-0.009857	-0.01514	0.016374	0.003485	0.033633	0.070915	0.028714	0.014704	-0.037744	0.025776	0.055614	-0.024708	0.068363	0.002163
137	0.039798	0.05378	-0.019891	0.024185	0.011335	-0.004388	0.000036	0.001985	0.007015	0.03478	0.040347	0.010444	-0.010778	0.068749
138	0.01421	-0.017196	0.023182	0.026977	0.017048	-0.020006	-0.044614	0.01116	0.036726	0.005383	-0.001435	-0.00413	-0.031902	-0.063255
139	-0.000018	-0.00878	0.013791	-0.027123	0.054867	0.027333	0.012496	-0.060605	-0.081534	-0.019142	0.024452	-0.044509	-0.013707	-0.02745
140	0.023413	0.005858	0.036096	0.003638	0.016902	0.057819	-0.031297	0.027695	-0.019243	0.074629	0.019272	0.066301	-0.067733	0.065655
141	-0.012728	0.006703	0.028772	0.017035	-0.043979	0.027696	0.003132	-0.012905	-0.00537	-0.001214	0.050909	0.023508	0.013507	-0.017957
142	-0.024344	0.011439	-0.002002	-0.000633	0.050746	-0.003598	-0.0494	0.009635	0.068474	0.036252	0.009815	0.036909	-0.098804	0.01749
143	0.001629	-0.037891	0.007788	-0.026687	-0.024879	0.050595	-0.012255	0.051328	-0.019126	0.021673	0.014723	-0.032218	-0.011255	-0.021312
144	-0.042891	-0.002804	0.02363	-0.000069	-0.005665	0.015762	-0.005755	0.012817	0.023768	0.005847	-0.001337	-0.020212	-0.014896	0.029176
145	0.01189	-0.027812	0.005855	-0.001437	0.002328	-0.000358	0.011319	0.04098	0.026953	-0.003233	0.005213	0.031994	0.027607	0.012177
146	-0.004972	0.001588	0.014798	0.015534	-0.00214	-0.016459	0.015889	-0.005526	-0.017097	-0.015978	0.031376	0.010768	0.004751	0.022783
147	0.036142	0.009515	0.045925	0.020138	0.042065	-0.047458	-0.059698	-0.036927	-0.043046	-0.036979	-0.034274	-0.008489	-0.035493	0.047236
148	-0.010897	0.051449	0.017518	-0.012897	0.008619	-0.016509	0.014058	0.013586	-0.017565	0.030441	-0.050191	-0.004267	-0.006761	-0.024202
149	0.022751	0.040575	-0.010008	-0.04137	-0.072314	0.030444	-0.035532	0.031412	-0.010553	0.034184	-0.012387	0.008071	0.060708	-0.033134
150	0.052896	-0.017266	0.023469	0.004284	0.033398	-0.027522	-0.00442	0.031261	-0.028022	0.008922	0.026433	0.008298	-0.076734	-0.057363
151	0.031614	0.016597	0.017027	-0.024308	0.000466	0.015281	0.006466	-0.025403	0.058378	-0.034448	-0.002785	-0.029738	-0.049446	0.020222
152	-0.00427	0.00163	0.010433	0.027373	0.022436	0.001137	0.013569	0.006227	-0.007935	-0.027612	-0.017318	-0.062222	0.003264	0.025153
153	-0.004745	-0.006669	0.044801	0.042346	0.012832	-0.001112	0.03347	-0.002394	-0.062805	0.017666	0.040559	-0.025419	-0.101239	0.010787
154	-0.021667	0.031092	0.020931	0.023858	0.009855	0.014691	-0.014066	0.024474	0.017102	0.005193	0.022514	-0.034462	-0.051169	-0.031531
155	-0.00664	0.005339	-0.012015	-0.002953	-0.012252	0.028796	0.028583	0.001178	0.026952	0.017855	0.012345	-0.004464	0.02081	0.007908
156	-0.002485	0.028217	0.007443	0.02055	0.000939	-0.003582	0.00689	0.037194	-0.015957	0.00637	0.027693	0.061131	0.048016	-0.004671
157	0.005898	-0.015327	-0.026928	-0.012437	-0.013099	-0.061093	-0.059602	0.017792	0.052863	-0.025041	-0.032299	-0.009028	-0.000775	0.048512
158	0.002716	-0.013001	0.00707	-0.018492	-0.049568	-0.009258	0.018577	-0.036531	0.001312	0.016185	0.004987	0.022455	0.009351	-0.036333
159	0.031253	0.015454	0.028764	0.011724	-0.018143	-0.024548	-0.043543	0.01355	0.048751	-0.003396	-0.091137	0.006541	0.001306	0.002027
160	-0.053703	0.007292	-0.00525	-0.006831	0.007586	0.040989	0.054301	-0.014667	-0.065413	-0.011881	0.050936	0.0105	0.018045	0.039305
161	-0.001426	-0.018381	-0.022118	-0.022163	0.019573	-0.024422	-0.031432	-0.051006	-0.034519	0.057408	-0.022433	-0.0283	-0.039063	-0.016793
162	-0.016909	-0.012879	-0.012876	-0.007253	0.017002	0.012562	-0.049996	-0.04166	-0.00122	0.021127	0.010211	0.017568	0.020514	0.080011
163	-0.034471	-0.007741	-0.016984	-0.005316	0.023558	-0.020187	-0.020637	-0.007817	0.037646	-0.006089	0.022484	0.037116	-0.001838	0.009974
164	-0.039881	-0.010934	0.001942	0.024233	-0.023644	0.020289	-0.058219	-0.038912	0.0189	0.009494	-0.035553	0.001069	0.005096	-0.025746

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
165	0.032655	-0.009475	0.054385	0.018147	-0.022791	-0.031237	-0.057687	0.010038	-0.056691	-0.026285	0.014259	-0.069008	-0.044117	0.030509
166	0.038187	0.020417	-0.052208	-0.053145	0.009853	-0.006171	-0.005123	0.001583	0.013792	-0.028471	0.014945	0.069737	-0.017309	0.018626
167	0.047222	-0.017857	-0.020299	-0.007277	-0.039533	0.067104	0.033072	0.015342	-0.023903	0.030187	-0.008624	0.041601	0.034294	-0.022223
168	-0.025815	0.017947	0.040547	0.027238	0.016484	-0.01771	0.041677	0.011004	0.094916	0.022844	-0.018943	-0.003931	0.013058	-0.031346
169	0.014104	0.032931	0.037825	-0.000256	-0.026772	0.035601	-0.010745	0.058305	0.029396	0.019992	-0.008599	-0.007336	0.031493	-0.005682
170	0.008655	0.052771	0.032512	0.006789	-0.040326	0.025429	-0.008105	0.067878	0.014482	-0.012494	-0.008271	-0.025932	0.030748	-0.001631
171	-0.009435	0.033476	0.050769	0.012242	-0.009438	0.024242	-0.00486	0.036362	0.01258	0.010762	0.001088	0.009856	0.033694	-0.001183
172	-0.03725	0.007992	0.019578	-0.011906	-0.002307	-0.018769	-0.010678	-0.021278	0.065565	-0.025694	0.011051	-0.013323	-0.008823	-0.025109
173	-0.036582	-0.005014	0.006483	0.006263	0.014997	0.011789	-0.034169	-0.00646	0.04985	-0.019576	0.040883	0.059473	-0.046109	0.01858
174	-0.031158	-0.001951	-0.020472	-0.014634	-0.019741	0.005202	-0.034425	-0.017594	0.083071	-0.015875	-0.020636	0.0424	0.006683	-0.010001
175	-0.036999	-0.034931	-0.00453	-0.03448	0.001987	-0.040847	-0.046421	0.003237	0.064348	-0.008508	0.004536	0.031808	0.016964	0.034087
176	0.004835	-0.028291	0.035821	0.011685	-0.003001	-0.014663	-0.004375	0.039504	-0.067702	0.034846	0.002359	-0.013213	-0.004197	0.015984
177	0.045445	0.020633	-0.000981	-0.011609	0.016675	-0.036867	0.02686	-0.03195	-0.019782	0.004866	-0.05575	0.009316	-0.04434	-0.030361
178	-0.007268	-0.013219	0.032045	-0.016633	0.035882	-0.018076	-0.016225	-0.052193	-0.000995	-0.019817	-0.021283	0.014976	0.035379	0.00547
179	-0.015931	-0.028135	-0.015888	-0.014162	-0.005162	0.013515	0.010583	-0.006326	-0.006645	0.021686	-0.028098	0.014623	0.00493	0.033943
180	0.010496	-0.030128	-0.000528	-0.019677	0.009909	0.01412	-0.016886	0.004345	-0.033561	0.014059	-0.008947	0.013319	0.000899	0.017092
181	0.022491	-0.008117	-0.015641	-0.029153	0.003689	0.021934	0.01679	0.000205	-0.025339	0.015387	0.013438	0.00386	0.00499	0.045766
182	-0.033812	0.020421	-0.005232	-0.021901	-0.01931	0.011126	0.014022	-0.004763	0.003119	0.00455	-0.000741	0.001301	0.001329	0.019548
183	-0.055435	-0.026141	0.001225	0.012954	-0.007744	-0.026049	0.037499	-0.013969	-0.019899	0.015333	-0.034723	-0.014012	0.007236	0.008908
184	-0.046349	-0.03033	0.021333	-0.020384	-0.00207	-0.028474	0.032375	0.049526	0.037092	0.053004	0.019237	-0.053057	-0.013125	-0.004139
185	0.004165	0.001239	-0.00647	-0.023793	0.023763	-0.0293	0.019144	0.05282	0.039554	0.033999	0.051743	-0.003813	0.015181	-0.016809
186	-0.052451	-0.032264	-0.048374	-0.02535	-0.018618	-0.014981	-0.051268	0.013764	0.023333	-0.059012	0.089911	0.011641	-0.052358	-0.044326
187	-0.049608	-0.085969	-0.000438	0.015738	0.002377	-0.004506	-0.032523	-0.007775	-0.008855	-0.006246	-0.001432	0.001836	0.017734	-0.004448
188	-0.048995	-0.078882	0.012054	0.006488	0.003485	0.003002	-0.031217	-0.000837	-0.002084	0.010925	-0.006745	0.006578	0.03031	-0.01069
189	-0.026359	-0.074607	-0.015805	0.007228	-0.031251	-0.023979	-0.054325	0.001323	-0.008283	-0.001202	-0.021407	0.015301	0.025086	0.000971
190	0.010428	-0.003463	-0.041849	-0.049439	-0.094606	-0.007477	-0.012142	0.034163	0.01382	-0.012934	-0.018743	-0.05561	-0.04194	-0.05256
191	0.007414	0.001056	-0.055483	-0.046729	-0.106502	0.034739	0.007892	0.040174	0.008899	0.005821	-0.019566	-0.03014	-0.004317	-0.011953
192	-0.119935	0.001055	0.000402	0.0188	-0.045903	0.03222	-0.009784	-0.004016	0.015768	-0.007451	-0.030951	0.049685	0.014134	-0.022584
193	0.792016	-0.050965	-0.018995	-0.001164	-0.020765	0.013715	0.007092	-0.012479	0.047306	-0.005446	0.005202	-0.013629	0.035703	-0.040237
194	-0.049963	0.737866	-0.024272	-0.008888	0.025268	-0.036153	-0.023809	-0.01062	-0.071765	0.00124	-0.067825	0.003089	-0.001103	0.026043
195	0.00494	-0.056629	0.743612	-0.109795	-0.028751	-0.076969	0.057524	-0.068695	-0.008867	-0.0725	0.009726	0.046915	-0.044423	0.022005
196	0.008472	-0.020336	-0.115966	0.85381	-0.044052	-0.018501	0.021208	-0.014556	0.024749	-0.0248	0.012474	0.004583	-0.037356	0.010516
197	-0.016466	0.022327	-0.048793	-0.047621	0.792896	0.00364	-0.012139	0.034529	0.024135	-0.03824	-0.034163	-0.034134	-0.002045	-0.051737
198	-0.011294	-0.033654	-0.067722	-0.017853	0.017816	0.6935	-0.004013	-0.102229	0.025835	-0.146575	-0.040869	-0.015227	-0.04052	0.044452
199	-0.010371	-0.032546	0.019571	0.028649	-0.006783	-0.005664	0.483884	0.023331	-0.004891	0.009077	-0.089661	0.01866	-0.05183	0.031255
200	-0.034921	-0.045506	-0.057859	-0.007187	0.043527	-0.075235	0.061643	0.706552	0.018611	-0.086551	-0.048021	0.004975	0.012799	0.013571
201	0.022623	-0.04625	-0.005976	0.016685	0.030846	0.023714	0.018488	-0.013937	0.505953	-0.008957	-0.03367	-0.030043	-0.021356	0.044129
202	-0.044012	-0.01534	-0.077242	-0.033517	-0.043276	-0.125957	0.014106	-0.119142	0.016343	0.699859	0.011544	-0.019848	0.009314	0.01853
203	0.004458	-0.053221	-0.003435	0.025536	-0.032908	-0.077458	-0.088823	-0.056387	-0.023682	-0.002009	0.637131	0.008329	0.060435	-0.034827
204	0.012174	-0.008958	0.02126	-0.017361	-0.035047	-0.046367	0.055757	0.031198	-0.027679	-0.038026	0.053831	0.550869	0.006235	-0.050084
205	0.001938	-0.007125	-0.050778	-0.038907	-0.032355	-0.015003	-0.036124	-0.040546	-0.007092	-0.002158	-0.008399	0.074072	0.371969	-0.01945

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
206	-0.011476	0.057005	-0.008294	-0.014579	-0.037593	0.006774	0.043884	0.023649	0.071359	-0.005602	-0.027702	-0.060901	0.001124	0.546344
207	0.003904	0.084511	0.045863	-0.016812	-0.003652	0.031275	-0.019642	0.065228	0.011184	0.055874	0.055304	-0.09701	0.067927	-0.078629
208	0.022911	-0.013045	-0.013582	0.026455	-0.045321	-0.060671	0.01034	-0.020563	-0.000972	-0.024851	-0.110596	-0.037667	-0.026411	-0.11811
209	-0.00527	-0.058832	0.041017	-0.00394	0.027317	-0.038945	-0.043966	-0.0233	0.031291	-0.034644	-0.036457	-0.027289	-0.003427	0.027327
210	-0.003797	0.018466	-0.002416	0.003873	-0.032719	-0.008503	0.006259	-0.013243	0.004486	-0.018071	-0.023767	-0.005712	0.051271	0.011968
211	0.012204	0.043088	0.064719	0.024868	-0.00007	0.036127	0.005891	-0.017591	-0.072578	-0.013978	0.041488	-0.014466	-0.010543	-0.017797
212	0.050247	0.043705	-0.007981	-0.004528	-0.01577	-0.05294	-0.028932	-0.033463	-0.009787	-0.014615	0.009474	0.02956	-0.047444	0.004896
213	0.013341	0.000049	0.02813	-0.022753	-0.010006	0.055711	-0.025211	0.036754	-0.00795	0.034017	-0.013385	0.05499	-0.011057	-0.047108
214	-0.008236	-0.023767	0.005199	-0.014751	0.007866	0.016671	-0.005409	0.009331	-0.002915	0.025554	0.020968	0.009362	0.003727	0.015928
215	-0.030371	-0.056473	-0.019267	-0.035131	0.018442	0.017974	0.000071	-0.043443	-0.002343	0.038117	0.031711	-0.0264	-0.03988	-0.00652
216	0.034258	-0.008165	0.025	0.008855	-0.00779	-0.020005	-0.012992	0.030829	0.018728	-0.032669	0.00177	0.010454	0.016445	0.012525
217	0.010078	-0.019699	0.013653	0.02365	0.011179	-0.02324	-0.031064	-0.001593	0.053069	-0.024257	-0.023609	-0.044967	-0.048711	-0.027677
218	-0.020498	0.010339	-0.012382	-0.012586	-0.004284	0.012786	0.013036	0.025141	0.007325	-0.005222	0.024083	-0.005829	-0.030261	0.001298
219	0.016278	0.022375	-0.002693	-0.003889	0.006023	0.014993	-0.005781	0.037064	0.030156	0.001223	0.02833	0.013317	0.008135	0.004218
220	0.013344	0.02558	0.010914	0.019867	-0.019287	-0.02531	0.010325	0.010085	0.02632	0.016075	-0.017541	-0.067591	0.003058	-0.025373
221	0.023902	0.032397	-0.000755	0.003026	0.010611	-0.001833	0.082596	-0.00523	0.027658	-0.016066	0.02098	0.040916	-0.040865	-0.010894
222	-0.015073	0.008741	0.024336	0.004342	0.019429	0.027892	0.017614	-0.016027	0.040089	0.008588	-0.017119	0.033635	-0.002939	-0.005867
223	-0.032672	-0.025024	0.02846	0.003829	0.035606	0.024265	0.028335	0.010799	0.023063	0.033494	0.01449	-0.000575	0.019381	0.006126
224	-0.02583	-0.001586	-0.017954	-0.012857	-0.00323	-0.009957	-0.028575	-0.017568	-0.019555	-0.064976	0.023283	-0.001934	-0.014183	0.020425
225	-0.007647	0.003711	-0.029674	-0.00162	0.029788	-0.039213	-0.058371	-0.006141	-0.013353	-0.046652	-0.013389	0.041974	-0.032975	0.034975
226	0.017994	0.023183	-0.003053	-0.004556	0.000617	-0.035398	0.014389	-0.007727	-0.001789	-0.015051	0.02055	-0.006428	-0.000399	0.03429
227	-0.031799	-0.009012	0.046562	0.021701	-0.004173	0.003477	-0.023111	0.025108	-0.017745	0.002713	-0.027784	-0.019019	0.05828	-0.047658
228	-0.003487	0.029349	0.004118	-0.017478	-0.05581	0.053542	0.024104	-0.018768	0.005285	-0.044917	-0.023662	-0.055992	0.028569	0.003086
229	0.015267	-0.025783	-0.024158	0.005937	0.045986	0.015227	0.006139	-0.00911	-0.012969	0.027587	-0.028843	-0.005051	0.034432	0.043961
230	-0.00411	-0.015979	0.010474	0.003068	-0.006342	0.017075	-0.004987	-0.022246	-0.039571	-0.017109	0.020225	-0.036439	-0.032611	0.045684
231	0.009532	0.026368	0.008872	0.003291	-0.021182	0.013442	0.032037	0.043806	0.025463	0.040497	0.029427	-0.031849	0.024867	-0.022325
232	-0.001687	0.021194	-0.024451	-0.017092	-0.040772	-0.032052	-0.035791	0.013631	0.008638	-0.029367	0.002352	-0.049721	0.068569	0.013663
233	0.002133	-0.007991	0.006594	0.03151	0.010108	-0.027038	0.006716	-0.024227	-0.06173	-0.030143	0.018062	-0.033282	0.020408	0.000759
234	0.009825	0.003875	0.030525	0.020642	0.00217	0.031895	0.017395	-0.048559	0.011028	0.02592	-0.007514	0.010815	0.024637	-0.024597
235	0.004123	0.011329	0.02447	0.018938	0.033312	0.053585	-0.009008	-0.020339	0.078222	0.058927	0.02285	0.00883	0.028474	-0.045928
236	-0.004645	-0.014209	-0.011178	-0.020237	-0.031602	-0.011548	0.016266	0.008604	0.026022	0.025999	-0.008964	-0.038111	-0.010255	-0.041902
237	0.024003	-0.002248	0.017454	0.002015	-0.011782	0.005723	-0.028651	0.01737	-0.021861	0.02536	-0.023161	0.007633	0.025966	0.01297
238	0.011932	-0.014145	-0.021307	-0.014073	-0.033894	0.042796	-0.026379	0.022096	-0.02932	-0.003499	0.016176	-0.033545	-0.010238	0.022828
239	0.005504	-0.011497	-0.034968	-0.018028	-0.012871	0.013554	-0.023603	0.019246	-0.025097	-0.02212	-0.009353	-0.016147	-0.017822	0.022987
240	-0.008951	-0.00984	0.014606	0.001652	0.0016	0.023011	0.010664	0.011471	0.006531	-0.02401	0.001706	-0.016541	-0.023512	-0.011353
241	0.002861	0.001115	-0.013309	-0.007103	0.000745	0.006052	0.029516	-0.020626	-0.015787	-0.020016	-0.003683	-0.05028	0.026055	0.006629
242	-0.019576	0.019014	0.02012	0.026826	0.002407	-0.00743	-0.004643	-0.01756	0.016406	0.000365	-0.020025	-0.019865	0.004568	-0.043596
243	0.012411	0.004253	0.005498	0.010601	0.011247	-0.009898	-0.015957	0.007244	-0.049795	-0.030828	0.02285	-0.014812	-0.024011	-0.002466
244	0.002806	0.006564	0.009119	0.026689	0.017004	-0.027839	0.035367	-0.013584	-0.021615	-0.008223	-0.028139	0.031145	-0.028505	-0.042199
245	-0.038451	-0.009486	0.0054	0.006907	0.006803	0.04348	-0.005952	0.008905	0.001828	0.027887	-0.027831	0.027725	0.014442	-0.014816
246	-0.015046	-0.00241	0.014588	0.016606	0.012559	0.041418	-0.010339	-0.000844	0.015552	0.03714	-0.01596	0.012866	0.025693	0.022133

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
247	0.023933	-0.035995	-0.012166	-0.023789	0.010381	0.00414	0.004459	-0.008222	-0.012218	0.029417	-0.004197	-0.015664	-0.036332	0.009955
248	0.012328	-0.025067	-0.032878	-0.030308	-0.015247	0.004275	0.038882	0.001513	-0.003867	0.024698	0.02567	-0.034365	-0.013569	-0.010501
249	-0.0502	-0.0188369	0.021749	0.000207	0.004489	0.016926	-0.012146	0.016225	-0.014172	-0.01575	0.003177	-0.05737	-0.017893	-0.01719
250	-0.02268	-0.038796	0.022151	0.003246	0.014491	0.026611	-0.016789	0.006857	-0.015494	0.027276	0.008928	0.030604	-0.020965	-0.01048
251	-0.000746	-0.005528	0.023394	0.011731	0.020438	0.011067	-0.004925	-0.000112	0.004916	0.005142	-0.002401	-0.018962	0.020228	-0.023876
252	-0.006798	0.008676	-0.036207	-0.041222	0.003316	-0.039453	-0.018393	0.022257	-0.008341	-0.010855	-0.022366	-0.028862	0.003248	0.00999
253	0.013989	-0.012994	0.007282	-0.019644	0.014509	0.00271	0.016366	0.00972	0.003686	0.024522	-0.014001	-0.02728	0.020129	0.032998
254	-0.040395	-0.011022	0.015618	0.009877	0.030064	0.001939	0.007861	0.020441	0.028619	0.023909	0.000068	-0.000667	0.031062	-0.019212
255	-0.000497	0.013523	0.028763	0.023737	0.001194	-0.018472	0.0398	-0.011831	0.026543	-0.005716	-0.001295	0.011277	0.023104	-0.014214
256	-0.023	-0.014957	-0.032688	-0.037917	-0.017002	-0.014785	0.027608	-0.03736	0.021252	0.017056	-0.02216	-0.033775	0.031269	-0.000691
257	0.005434	-0.013898	-0.02241	-0.013223	-0.001005	-0.015247	-0.033181	-0.02083	-0.000741	0.015516	0.007947	0.028609	0.008996	0.010035
258	0.034329	-0.009599	-0.036636	-0.038941	0.004704	0.005595	-0.03742	-0.012178	0.019329	0.013989	0.00362	0.018543	-0.005992	0.005249
259	-0.032538	-0.013382	0.029547	0.010449	0.015426	0.036897	-0.003399	0.006916	-0.020587	0.01498	0.000404	-0.007513	-0.014417	-0.011372
260	-0.004327	-0.009199	-0.022386	-0.023143	0.06489	-0.026941	-0.052174	0.036438	-0.033695	0.025746	-0.009696	0.051551	-0.061735	0.018459
261	0.009442	0.000075	-0.050067	-0.050157	0.003941	0.02674	0.012484	0.016722	-0.001096	0.015992	-0.023492	0.012721	-0.013409	-0.022833
262	0.006741	-0.006747	-0.01048	-0.035133	0.002923	-0.044097	-0.01	-0.050329	0.037353	-0.028139	-0.038589	-0.019516	0.012288	-0.010542
263	-0.002758	-0.007971	0.00335	-0.015431	-0.001917	-0.031921	0.020382	-0.054527	0.017027	-0.04285	-0.035266	-0.016522	0.054396	0.000271
264	-0.025611	-0.008722	0.046134	0.013788	0.007142	0.047786	0.012759	0.008513	-0.005955	0.02607	0.005896	-0.006646	0.053545	-0.014873
265	-0.029443	-0.047837	-0.077064	-0.034572	0.014383	-0.014075	-0.032315	0.000777	-0.027436	0.019565	-0.029498	-0.014229	0.024277	-0.0022336
266	-0.007734	-0.038048	-0.091358	-0.044142	-0.00428	-0.049248	0.00267	-0.013571	-0.026625	0.002338	-0.005045	0.003308	-0.036023	0.017003
267	0.021921	0.031649	-0.006206	0.004662	0.03157	-0.02371	-0.026441	-0.002668	0.011166	-0.009704	-0.004595	0.005971	0.040777	-0.014226
268	0.016896	0.012112	-0.012117	-0.010349	-0.004993	-0.055059	-0.023158	-0.009828	0.001272	-0.030061	-0.021843	0.01091	0.00247	0.030532
269	0.022056	0.016223	-0.001474	0.000962	0.005899	-0.043807	0.015807	-0.002774	0.019894	-0.01325	0.033135	-0.011016	-0.007606	0.020903
270	-0.005608	0.012702	0.012121	0.006244	-0.013174	-0.034776	0.020197	0.003311	0.020456	-0.02132	0.003322	-0.001702	0.037554	-0.017153
271	-0.02278	0.055608	0.025255	0.024368	-0.00694	0.035893	-0.062966	-0.00909	0.009112	-0.023757	-0.00609	0.044272	0.033123	-0.029098
272	0.002723	0.014009	-0.034879	-0.004195	0.006502	0.02627	-0.001575	-0.021368	0.012227	0.013779	-0.003681	0.004402	0.041778	0.021527
273	-0.001515	-0.001137	-0.031963	-0.022009	-0.006319	-0.01037	-0.024411	-0.019872	-0.009676	-0.023531	0.006065	-0.00569	-0.007053	0.019951
274	0.000374	0.001924	-0.030805	-0.019162	0.001059	-0.000457	-0.009647	-0.017303	-0.007583	-0.013003	0.018386	-0.008606	-0.00793	0.006938
275	-0.030883	-0.026817	0.030295	-0.00629	-0.000503	0.015259	0.035621	-0.014886	0.011118	0.008875	0.012273	-0.036025	0.003545	-0.049818
276	0.021842	-0.01355	-0.001408	-0.033219	-0.0192	0.004387	0.006188	0.024991	0.032013	0.057119	-0.027115	-0.012818	-0.018842	-0.028448
277	-0.009965	-0.006386	-0.030661	-0.009935	0.012152	-0.006162	-0.000598	0.004137	-0.00864	-0.017582	-0.007925	0.031229	-0.018018	-0.010546
278	-0.018468	0.003222	-0.003826	0.008418	0.008403	-0.008286	0.026931	-0.005022	0.004569	-0.013063	0.013629	0.012772	-0.036037	-0.001148
279	-0.010516	-0.014576	-0.025223	-0.014028	-0.022274	0.020106	0.00294	0.009557	-0.015894	-0.030639	0.019275	-0.014793	-0.020914	0.004978
280	0.006214	0.01911	0.010129	-0.007584	-0.017612	-0.010458	-0.009445	-0.005984	-0.038483	-0.043452	0.008505	0.032595	-0.019668	0.024281
281	0.00222	-0.004193	-0.000241	0.008748	-0.011884	0.032054	-0.006183	0.003771	-0.05751	-0.003078	-0.009594	0.011363	0.01581	0.01657
282	-0.003689	0.011365	0.019374	0.010469	0.000149	0.026654	0.020662	-0.008503	-0.015146	-0.014437	0.034945	-0.001602	-0.003045	0.001697
283	0.007239	-0.022611	0.008509	-0.016357	0.01973	0.008852	0.087428	0.00044	-0.009885	0.013094	0.051015	-0.019376	-0.013826	-0.026773
284	-0.007048	-0.000895	0.000155	-0.009019	-0.005169	0.003771	-0.029079	-0.013788	0.004206	0.026447	0.013217	0.01702	0.01123	-0.011114
285	-0.001118	-0.007587	0.017693	-0.00658	0.009974	-0.00435	-0.023776	-0.012041	-0.010335	0.016577	0.022018	-0.006761	-0.00838	-0.017111
286	0.020237	-0.009247	0.022975	-0.014514	0.021159	-0.008386	-0.055836	-0.014693	-0.025839	0.036253	-0.005997	-0.002883	0.003718	-0.002744
287	0.01511	0.014576	0.042146	-0.000153	0.019021	-0.00623	-0.010532	-0.004639	-0.015407	-0.015355	0.035228	-0.004098	0.020533	0.001951

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
288	0.015526	-0.040499	0.004707	-0.016929	-0.011645	0.000245	-0.021582	0.013679	0.046313	0.02505	0.003956	-0.009798	0.007362	-0.020799
289	-0.002391	-0.01497	-0.047596	-0.018982	0.005951	-0.091648	-0.020127	-0.058938	0.0416	-0.041763	-0.037642	-0.011982	0.006371	-0.036042
290	-0.029941	-0.021056	-0.000815	0.005515	0.01724	0.017483	0.01103	0.012557	0.004284	0.018326	-0.006356	0.007205	0.015456	-0.000178
291	-0.027687	-0.023212	0.000434	0.003728	0.019498	0.018596	0.010032	0.008257	0.004905	0.022727	-0.009529	0.007841	0.013755	0.000594
292	-0.029027	-0.02151	0.010309	0.002987	0.021349	0.045339	0.016486	0.018611	0.02729	0.030357	0.024214	-0.015713	0.025501	-0.004664
293	-0.030101	-0.03224	0.050712	0.011144	-0.014586	0.024791	0.003791	0.011663	0.019214	0.037197	-0.057118	-0.001027	-0.026279	0.02184
294	-0.005281	0.003509	0.007006	0.002516	-0.004521	0.013003	0.009499	0.005328	0.001909	0.020472	-0.006149	0.025501	-0.037101	-0.032033
295	-0.012036	-0.001835	0.025085	0.018679	-0.020149	0.020253	-0.033467	0.037538	0.004653	0.032548	-0.026611	0.015392	-0.031834	-0.006333
296	0.008041	-0.007201	0.009454	0.003635	0.01188	0.023482	-0.010009	0.044615	0.004131	0.034831	-0.041973	0.025434	-0.023469	-0.005744
297	-0.016438	0.003376	0.028233	0.014769	-0.007249	0.007886	-0.016828	0.044877	0.004566	0.018398	-0.020095	0.004419	-0.014531	0.028274
298	-0.005221	0.027757	0.019294	-0.003404	0.017663	0.015979	-0.007441	-0.037162	0.014457	0.030135	0.032256	0.058305	0.031464	0.020413
299	0.000225	0.021257	-0.005688	0.001251	-0.037328	-0.003981	-0.010908	0.042099	-0.022597	0.016777	-0.053429	-0.002715	0.01062	0.013714
300	-0.011368	0.021284	0.055416	-0.037172	-0.021476	-0.019093	-0.051674	-0.020412	0.002952	-0.032826	0.038763	0.001253	0.018811	-0.04376
301	-0.010724	0.013612	0.011501	0.022995	-0.020097	-0.011424	-0.016268	0.00778	0.005764	0.012827	-0.045858	0.033929	-0.000643	0.004273
302	0.014069	0.002326	-0.000513	-0.000297	0.000853	-0.017236	0.008675	-0.012157	-0.002309	-0.000434	-0.034387	0.024871	-0.001233	-0.022869
303	0.020396	0.01484	-0.009554	-0.00394	0.006128	-0.00859	-0.001778	0.00648	-0.03772	0.021254	-0.023907	0.026751	-0.033464	-0.004589
304	0.001601	0.000395	-0.008823	-0.040063	-0.013339	0.011136	0.021336	0.007318	-0.03823	0.014468	-0.042963	0.014856	0.006853	-0.016711
305	-0.046055	0.042262	0.00384	0.019638	-0.023524	-0.004091	0.072892	-0.033292	0.011887	-0.039999	-0.021376	-0.035503	0.052447	-0.072635
306	0.000533	-0.0038	-0.025721	-0.002388	0.003812	0.001646	-0.010131	-0.008226	-0.031263	-0.003562	-0.040022	-0.003268	-0.018003	-0.002887
307	-0.041112	-0.027601	-0.018433	-0.027013	-0.032103	0.042353	0.006325	0.012157	-0.013467	-0.037724	0.033356	0.006563	-0.072078	-0.083018
308	-0.017029	-0.008458	-0.003985	-0.013668	-0.000269	0.006233	0.016651	-0.009833	-0.020255	-0.051392	0.01164	-0.011164	0.035463	0.032621
309	-0.012612	-0.018137	0.025175	0.005017	0.009507	0.000694	0.018993	0.011252	0.002295	-0.024399	0.021632	-0.004916	0.016966	-0.002542
310	-0.005807	-0.032704	0.009947	0.026453	0.038828	0.017538	0.003584	-0.013103	-0.062486	0.033559	-0.008286	-0.002492	0.012738	-0.040461
311	-0.008213	-0.021912	-0.004169	0.003804	0.017821	-0.042677	0.013847	-0.009019	-0.019091	0.002192	-0.062671	-0.013484	-0.016183	0.011616
312	0.032174	0.024156	0.024254	0.035186	0.045135	-0.034984	0.021784	-0.01544	0.017517	0.032173	0.031703	-0.047287	0.086771	0.041743
313	0.002104	0.00846	-0.011901	0.017062	-0.016973	-0.000522	0.044988	-0.024255	-0.04521	-0.004773	-0.031769	0.004101	0.048065	0.031156
314	-0.011779	0.001145	0.042791	0.014968	-0.015039	-0.010972	0.082355	-0.019964	-0.022202	-0.031967	0.024451	-0.108545	0.023641	0.019475
315	0.000727	-0.005905	0.002114	0.011457	-0.019591	0.003612	-0.000847	0.026735	-0.029095	-0.015185	-0.028789	-0.009798	0.010714	0.007754
316	0.057174	-0.04344	0.008078	0.00394	0.00079	-0.042839	0.069514	-0.031007	0.037667	-0.010395	0.00161	0.012423	-0.039093	-0.021517
317	-0.019664	-0.036175	-0.00951	0.005881	0.015538	0.009371	0.028909	0.015237	-0.006195	0.003158	0.01255	0.03522	-0.012538	0.016547
318	0.016204	-0.034193	0.027781	0.011562	0.012274	-0.017336	0.032898	0.000689	-0.044452	-0.001916	-0.019694	-0.003232	-0.026727	0.006876
319	0.008875	-0.019424	0.003743	-0.005565	0.018174	-0.001395	0.011604	0.018829	0.00495	-0.001367	0.017621	0.008317	0.010779	0.026753
320	0.017351	-0.011569	-0.044015	-0.038947	0.019806	-0.008484	-0.011277	-0.014288	0.043273	0.025999	-0.018964	-0.008799	0.000988	0.032675
321	-0.018545	0.018417	0.010465	0.017873	-0.040758	0.01314	-0.01575	0.004441	-0.006846	-0.004833	-0.040962	-0.023482	0.0445	-0.001236
322	-0.002548	-0.003392	0.050038	0.00354	0.015072	0.003376	-0.033646	0.006491	0.010135	0.025536	0.004087	0.021433	0.012578	0.004851
323	0.01406	0.039291	0.009159	0.02482	-0.022489	0.013928	-0.030816	-0.011858	-0.052917	0.03676	0.03381	-0.007569	0.050559	0.043919
324	0.036279	-0.029284	-0.00454	0.014952	-0.027099	-0.022844	0.011224	-0.008861	-0.091196	-0.002327	-0.052126	-0.025344	-0.008698	-0.023709
325	-0.002782	-0.001727	-0.003537	-0.010864	-0.003908	0.029255	0.006114	0.022044	0.006123	0.026013	0.02693	0.010022	-0.060429	0.014531
326	-0.01242	0.015469	-0.064305	-0.012274	-0.020286	-0.013233	0.055918	-0.002277	0.015594	-0.014191	-0.013652	-0.019748	0.017799	0.00833
327	0.017948	0.019629	-0.003727	0.005	-0.007222	0.02737	-0.008906	0.007511	0.007041	0.017509	0.003836	-0.014426	0.012713	-0.045048
328	0.001943	0.004896	0.027377	-0.017677	-0.034507	0.013448	-0.033433	0.08731	-0.031312	-0.042556	0.023514	-0.080163	-0.014678	-0.017507

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
329	0.027271	0.015116	-0.013274	0.019119	0.00406	-0.002007	-0.016647	-0.015138	-0.044841	0.044349	-0.029769	-0.008506	0.01964	0.002021
330	-0.007257	0.023045	-0.004121	-0.013191	0.004932	-0.018971	0.013178	-0.029029	-0.07828	-0.002507	0.003917	0.02952	-0.056371	0.011092
331	-0.003404	0.005903	0.006981	-0.003389	-0.010587	0.003952	-0.022812	-0.000189	0.028569	0.02144	0.004803	0.005365	-0.010603	-0.008597
332	-0.010251	0.047543	-0.016772	-0.01662	0.032388	-0.014359	0.023343	0.010556	0.086127	-0.022147	0.064721	0.02489	0.02853	-0.026998
333	-0.011362	0.001267	-0.005412	-0.002041	-0.042451	0.012079	-0.036094	0.035279	0.016993	0.011295	0.023454	0.015806	-0.07236	-0.000844
334	-0.006352	-0.038846	0.021312	0.006603	-0.029229	0.044746	-0.042925	0.007659	-0.049074	-0.030991	-0.02187	-0.055503	-0.062649	-0.029345
335	0.000926	-0.017742	-0.028078	-0.007936	-0.016884	0.001729	0.015149	-0.005293	0.022614	0.02526	0.057083	-0.029688	-0.049767	0.009269
336	0.005007	0.029684	0.023666	-0.005551	-0.02265	-0.025815	-0.020696	0.015848	0.022456	0.015295	0.007546	-0.003136	0.013926	-0.010154
337	-0.006531	-0.016168	-0.016745	0.022885	-0.00475	-0.02506	-0.069236	0.014116	-0.007763	0.010209	-0.085791	-0.043076	-0.023349	-0.008042
338	0.030723	-0.063164	-0.016036	0.000604	0.01704	-0.007823	0.017791	0.011691	-0.01759	0.036168	0.00772	0.09817	0.008542	-0.027655
339	-0.005692	-0.026615	-0.017197	-0.041637	-0.002097	0.030134	-0.018578	0.016519	0.00045	-0.02861	-0.089196	0.000883	0.034029	-0.002663
340	0.00226	0.001975	0.001079	-0.006469	0.002484	-0.010924	-0.025686	0.015969	-0.043964	0.028263	-0.022974	-0.066437	0.04196	0.043334

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
1	0.074011	-0.087042	-0.03885	-0.051106	0.122855	0.010848	-0.007142	0.069161	0.020263	-0.08015	-0.085281	-0.031135	-0.085542	-0.0032
2	0.059603	0.005961	-0.063071	0.000425	0.02602	0.028835	-0.002416	0.104262	0.120187	-0.016222	0.007663	-0.018908	-0.068817	-0.023205
3	0.017605	-0.018806	0.094952	0.106177	0.001257	-0.004769	-0.027072	-0.050001	-0.036987	0.056527	0.02716	0.01573	-0.027152	0.021345
4	-0.00227	0.122918	0.021949	-0.098178	-0.012104	-0.011148	0.091912	-0.022783	0.018355	0.030886	0.089629	0.010795	-0.003319	0.073537
5	-0.057888	-0.059149	-0.036069	0.136465	0.027499	0.020091	-0.069983	-0.030404	-0.035965	0.089218	0.069217	-0.014329	0.058388	0.090654
6	-0.066693	0.003188	0.006738	-0.047033	-0.018504	-0.016684	-0.008131	0.010383	-0.027479	-0.02528	0.06278	-0.071884	-0.031067	0.007209
7	0.082202	0.000067	-0.068661	0.006572	0.080144	-0.012573	-0.064835	-0.056481	0.049411	-0.028413	-0.023381	0.01953	-0.025918	-0.038175
8	-0.061739	-0.122743	-0.077653	-0.010488	-0.064168	-0.072217	0.025797	0.00827	-0.062247	0.023415	-0.002199	-0.000427	0.047241	0.058949
9	0.153137	0.051654	0.091241	0.001933	-0.028127	0.04495	-0.068094	-0.020807	0.01188	-0.050592	-0.038805	-0.004335	0.004285	0.013511
10	0.297002	0.037539	-0.068677	-0.031566	0.089414	0.223097	-0.053695	-0.001437	-0.015524	0.052806	-0.021237	0.004619	0.0125	-0.017276
11	0.079011	0.088862	0.034008	-0.021207	-0.072044	-0.040478	-0.035134	0.02609	-0.037004	-0.090908	-0.009529	-0.044681	-0.044476	0.008177
12	0.02912	0.058675	0.04137	-0.071602	0.052717	0.065373	-0.030479	-0.006524	0.047629	0.018327	0.020249	-0.025732	-0.000433	-0.053783
13	0.016466	-0.027224	-0.074659	-0.067214	0.002752	-0.024844	0.071002	0.035136	0.006083	-0.050487	0.104883	-0.024248	-0.023641	0.014189
14	-0.016438	0.084118	-0.032103	-0.001413	-0.034615	-0.025726	0.081856	-0.01795	-0.043451	-0.037902	-0.071925	-0.027339	-0.031375	0.029544
15	0.021407	0.045011	-0.195245	-0.130913	-0.103521	-0.010716	0.02397	-0.030765	-0.049796	0.030808	-0.076732	0.00214	-0.012352	-0.075771
16	-0.039218	0.032174	-0.040579	0.016555	0.045986	-0.069406	-0.012734	-0.026113	-0.017883	-0.009466	0.045271	-0.000695	-0.001644	0.049286
17	-0.074765	0.089667	0.051211	0.069826	0.03243	0.103528	-0.025089	-0.019873	-0.048605	-0.045846	0.011679	-0.072281	-0.013327	0.00252
18	-0.005655	0.04895	-0.016565	0.051426	-0.042269	-0.053202	0.009508	-0.035307	-0.062768	-0.014154	-0.032491	0.003991	-0.040078	-0.044381
19	-0.04317	-0.10697	0.157083	-0.052626	-0.091659	-0.052843	-0.02245	-0.00132	-0.016054	0.020097	-0.026964	-0.007122	-0.014332	0.008662
20	-0.000579	0.103532	0.114166	-0.082177	0.050159	0.102203	-0.09685	-0.017403	-0.03663	-0.099427	-0.079394	0.051236	0.011238	-0.072494
21	-0.129991	0.044281	-0.116994	-0.085118	-0.026512	-0.044439	0.033031	0.008876	0.020408	-0.03398	-0.064802	-0.044621	-0.002766	0.032493
22	-0.055488	-0.048639	-0.00081	0.042642	-0.05075	0.082344	-0.048628	-0.02194	0.04518	0.028334	0.018226	-0.013962	-0.043736	-0.006613
23	-0.015032	0.022168	0.051199	0.054162	-0.034075	-0.049134	0.031507	-0.024319	0.047171	0.05045	0.063707	0.059136	0.100811	0.041848
24	0.032708	0.067268	0.000445	-0.011307	-0.031941	0.006703	0.048312	-0.008654	0.009256	0.014455	-0.010646	-0.013251	-0.023439	-0.028662
25	0.00293	-0.03556	0.072983	0.026671	-0.015108	-0.041891	-0.016046	0.002969	-0.110656	0.059353	0.004826	-0.098237	0.03707	-0.107356
26	0.043545	0.012453	0.046979	0.073754	0.038936	-0.007242	0.041098	-0.005756	0.051672	-0.027464	0.095177	0.021332	-0.016531	0.053915
27	-0.080145	0.14069	0.051413	0.066572	0.065845	-0.007408	-0.030076	0.044623	0.069248	0.030418	-0.007462	-0.000588	0.004478	-0.026104
28	-0.100557	-0.005957	-0.053873	0.131777	0.118271	0.0915	0.061403	0.006537	0.031674	-0.111567	0.032109	0.054891	0.005971	0.001274
29	0.082255	0.042252	0.074433	-0.000185	-0.012772	-0.014225	-0.013781	-0.00363	-0.021382	-0.03474	0.007305	-0.008954	-0.012579	-0.010072
30	-0.193689	-0.050063	-0.142046	-0.020541	-0.029692	0.114045	-0.018554	-0.008006	-0.02943	-0.039958	-0.056007	-0.014569	-0.04381	0.019782
31	-0.034832	0.098062	0.051789	-0.10044	-0.107784	-0.057503	-0.00304	0.008929	-0.009218	-0.025912	0.096412	0.06936	0.081349	0.07678
32	-0.021081	0.10263	-0.031191	0.077222	0.029328	-0.01022	-0.041907	0.033984	-0.029452	-0.054948	0.023929	0.011439	0.03453	0.062121
33	0.061239	0.10133	-0.045219	0.048541	0.058625	0.159772	0.00839	-0.020549	0.072315	0.055059	0.016584	0.010756	-0.03162	0.030866
34	0.008254	-0.140129	0.048552	-0.020584	-0.047399	-0.061008	-0.107416	0.008113	-0.049805	-0.027917	-0.034307	0.003196	-0.041538	-0.052881
35	0.015119	-0.072981	0.033731	0.159973	-0.029942	-0.104415	0.095919	0.010325	0.00643	-0.0637	-0.020805	-0.017616	-0.078868	-0.014763
36	-0.025214	0.112368	-0.1317	-0.047982	0.045109	-0.003098	-0.124637	-0.006648	-0.099564	-0.064942	-0.011705	0.026032	-0.01616	0.017423
37	0.021775	0.022725	-0.044285	-0.011331	-0.1455	-0.012151	0.117711	-0.02229	0.027234	-0.055096	-0.016804	-0.050437	-0.096202	-0.094532
38	0.050192	0.017838	0.045005	-0.086727	-0.027163	-0.117689	-0.137904	-0.038011	-0.106795	0.007168	0.021358	-0.034575	-0.06555	0.032204
39	0.04495	0.072921	0.039639	0.104698	0.002085	0.027457	-0.059621	-0.001567	0.087373	-0.004038	0.008193	0.029109	0.00968	-0.078242
40	-0.030433	-0.0466	0.020206	-0.035707	-0.027295	0.013281	-0.055925	-0.00381	0.017441	-0.005773	-0.070535	0.008876	0.006749	0.0688
41	-0.126786	-0.064799	-0.085791	0.011307	-0.123066	0.00519	-0.082123	-0.018296	-0.046387	0.029188	0.052857	-0.011682	-0.013165	0.019861

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
42	0.074232	0.015518	0.01772	-0.027325	0.006954	0.029115	-0.01177	-0.012324	-0.001736	-0.008284	-0.023087	0.002823	-0.009711	-0.000048
43	0.003803	0.127607	0.040748	-0.008254	0.057663	0.06202	0.043715	0.071271	0.046359	-0.009233	0.05948	0.03963	-0.007337	0.104498
44	-0.017444	-0.018102	0.06886	0.162663	-0.015331	-0.049771	0.227463	-0.02506	-0.011628	-0.071261	-0.027632	-0.052796	-0.03319	0.016772
45	-0.038189	0.06936	-0.089762	-0.078324	-0.00903	-0.055839	0.145537	-0.014765	0.012544	0.020492	0.087326	0.02295	0.063406	0.064631
46	0.000319	0.01436	0.014533	-0.039092	-0.011236	0.074432	-0.00853	0.005672	0.067591	0.00312	0.015353	-0.005483	0.032807	-0.021588
47	-0.047309	-0.054589	-0.020374	0.138813	0.076593	0.005576	-0.040985	0.02263	0.013347	-0.170241	0.089564	0.072148	-0.005854	0.035807
48	-0.010123	0.025137	0.095001	-0.090234	0.068952	0.013979	0.01072	-0.0036	-0.009978	0.003108	0.036831	0.03554	0.024912	0.026743
49	0.274037	-0.094567	-0.05195	0.128116	0.100696	-0.140793	0.235447	0.007368	-0.094483	-0.013522	-0.065193	-0.0473	0.000559	-0.068024
50	-0.029921	0.082522	-0.046169	0.102225	0.178993	0.058915	-0.013127	0.008613	-0.0193	0.090871	-0.034718	-0.03077	-0.017053	0.006348
51	-0.005605	0.01183	-0.131544	-0.032164	-0.04073	-0.041453	0.105055	0.037242	0.036133	-0.084092	0.06885	0.005445	-0.050299	0.058663
52	-0.039117	-0.012268	0.018223	-0.108452	-0.085618	0.050501	0.055741	0.045449	-0.097166	0.006336	0.029557	-0.023055	0.083639	0.068039
53	0.063544	0.080052	0.166724	0.04681	-0.026547	-0.082291	-0.110648	-0.003614	0.055123	-0.029729	-0.111205	-0.010853	-0.060104	0.02752
54	-0.164854	0.058672	-0.100359	0.054716	0.097398	0.118078	-0.003698	-0.018105	0.065231	-0.066037	-0.025146	-0.01806	-0.051413	-0.011806
55	-0.040871	0.10216	0.08813	0.016479	-0.061865	0.146778	0.068102	-0.036142	-0.08424	-0.002541	-0.128868	0.044656	0.01307	-0.080859
56	-0.101782	0.004471	0.138879	-0.090437	0.027545	0.063535	-0.093173	0.002823	-0.110407	-0.013877	0.084222	0.021487	0.033191	0.00181
57	0.030982	0.03276	0.036484	0.073377	-0.075305	0.009728	-0.091039	0.012832	0.067666	0.015331	-0.089248	0.073421	0.043939	-0.018501
58	0.035857	0.054252	0.029591	-0.013429	0.018383	0.009426	0.126367	0.05026	-0.041313	-0.053149	-0.072572	-0.008275	0.002863	-0.023235
59	0.008749	-0.063737	-0.063162	-0.017283	0.06876	-0.089243	-0.009823	0.043874	-0.085232	0.045843	0.015393	0.022782	0.005498	-0.080715
60	0.040137	0.009708	0.007354	0.025525	-0.025539	0.011486	0.048054	0.041182	0.089947	0.011622	0.014367	-0.000141	0.03683	0.011576
61	-0.010883	0.13458	0.001454	0.08168	-0.069007	-0.166521	0.057479	-0.048247	0.023087	0.024022	-0.020527	-0.005916	0.0143	-0.05117
62	-0.0917	-0.026233	0.117368	-0.001295	0.089736	-0.042894	-0.019574	0.005759	0.026547	-0.043031	0.008166	-0.023522	-0.094509	-0.110241
63	0.021043	0.017697	-0.030819	-0.004192	-0.052798	-0.019688	-0.202629	0.087781	0.123055	-0.024741	-0.141301	0.044008	0.037783	-0.092028
64	-0.024124	-0.065528	-0.013625	0.061007	-0.004163	0.108276	-0.009067	0.029518	0.083751	0.041566	0.039137	0.011611	-0.013345	0.002594
65	-0.004741	0.174002	-0.040325	-0.019083	0.019628	-0.127677	-0.027739	-0.000773	0.115601	0.034259	-0.037351	0.054185	0.010897	-0.020082
66	0.075466	-0.050833	-0.122073	0.071078	0.006963	0.208905	-0.115785	0.000627	0.023213	0.017867	0.072629	0.015103	0.041558	0.017737
67	-0.111567	0.095995	0.099197	-0.073262	0.028627	-0.156161	0.008348	-0.005939	-0.040158	0.017293	0.00504	0.026078	-0.016096	0.026918
68	0.068493	-0.029791	0.098767	0.069716	0.099557	-0.113395	-0.041992	0.016316	-0.048825	-0.030828	-0.051905	0.008782	-0.00158	-0.001556
69	0.086153	-0.033839	-0.072327	0.056183	-0.057415	0.004903	-0.113751	0.033581	0.005937	0.049829	-0.048347	0.040859	-0.0129	0.015653
70	-0.027221	0.00479	0.023324	-0.096605	-0.053691	0.046411	-0.137675	-0.049273	-0.061455	-0.089317	0.036784	-0.007638	0.010266	0.069457
71	0.009665	-0.080225	0.01313	0.005318	0.142574	-0.003391	0.049354	-0.041351	-0.007563	-0.098384	-0.035446	-0.029331	-0.0548	0.039455
72	0.037731	-0.008181	-0.01785	-0.037106	-0.036815	-0.094048	0.006025	0.045909	-0.070807	0.053054	0.112004	-0.010474	0.023758	0.024137
73	0.000074	0.037705	-0.088752	0.060397	0.081603	0.01719	-0.02989	-0.003049	-0.037061	-0.006148	-0.048567	-0.039856	-0.069132	-0.024861
74	-0.054963	0.081346	-0.055734	-0.073262	0.009983	-0.01989	-0.022066	0.016975	0.027532	-0.039794	-0.100832	-0.037606	-0.03315	-0.084472
75	-0.060955	-0.005883	0.002636	0.013554	0.118433	-0.055587	0.005148	0.039724	-0.062678	0.054778	0.015941	-0.006252	0.066689	-0.027905
76	-0.139856	0.040822	-0.084348	-0.099049	-0.087943	-0.053123	-0.051147	-0.00274	0.089125	0.050997	0.012117	0.013241	-0.026866	-0.091734
77	0.103422	-0.064097	0.029433	0.056825	0.014843	0.109602	0.104471	-0.08297	-0.022664	0.120992	-0.002222	0.034991	0.053234	0.027226
78	-0.030064	0.011388	0.124807	-0.001509	-0.022516	0.013674	0.07636	0.079275	0.0494	-0.024577	-0.049251	0.008266	0.017637	-0.016487
79	0.063762	-0.008767	0.025682	0.093896	0.045392	-0.015438	-0.087159	0.015848	0.026969	-0.013616	0.010266	0.006653	0.00366	0.013931
80	-0.037124	-0.092286	0.086767	0.036821	-0.034424	0.031751	0.079664	-0.025324	-0.019145	-0.074756	-0.077818	0.023618	-0.032329	-0.059497
81	-0.00289	0.03231	0.084433	-0.025717	-0.027613	-0.005411	-0.212907	-0.000805	0.071548	0.030659	0.016371	-0.046358	-0.017016	0.041989
82	0.105522	-0.060913	-0.115063	0.019685	0.042254	-0.178889	-0.034549	-0.044991	0.062953	0.022225	0.160983	-0.004073	-0.002476	0.128819

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
83	-0.069492	0.018992	0.007922	-0.143612	0.056645	0.119417	0.045354	0.045929	-0.071601	0.015495	-0.041099	-0.050023	-0.046225	-0.053599
84	0.02701	-0.131627	-0.049365	-0.019276	-0.079011	0.159762	0.076643	-0.015011	-0.055683	0.01543	0.023233	-0.03716	-0.016981	0.077434
85	0.039651	0.043631	0.079545	-0.039402	-0.122099	0.163751	0.018874	0.002764	0.008305	-0.041484	-0.028011	-0.023096	-0.002453	-0.055555
86	-0.06151	0.00746	-0.042879	0.074592	0.047885	-0.086935	-0.049708	0.077725	0.054753	-0.070477	-0.052506	0.06712	0.047033	-0.008281
87	0.003903	0.044704	0.016364	-0.052481	-0.007374	-0.105109	0.028516	-0.02815	0.057307	0.03854	-0.015263	-0.008554	-0.010746	0.021872
88	0.072305	-0.032191	-0.084438	-0.028424	0.024477	-0.030505	0.031718	-0.021439	0.110679	-0.005867	-0.082155	0.02763	0.008083	-0.069646
89	0.029282	-0.160409	0.081012	-0.036783	0.076271	-0.041932	-0.122829	0.084637	-0.012455	-0.039599	-0.148105	0.052409	0.083347	-0.007353
90	0.023696	-0.015966	-0.09637	-0.052686	0.075106	-0.155291	-0.122442	-0.015944	0.003655	0.069402	0.122781	0.012741	0.020187	0.00889
91	0.011966	-0.092427	-0.033472	-0.06325	-0.026287	-0.013447	0.099608	0.019181	0.013513	-0.011272	0.002552	-0.049549	-0.02209	-0.022707
92	-0.06081	0.004178	-0.061243	0.143244	-0.01228	0.068101	-0.022945	-0.012374	-0.102287	-0.001358	-0.03172	0.021457	0.000212	-0.009558
93	-0.122598	0.00972	0.067932	0.067612	0.009501	0.025869	0.018708	-0.025507	-0.088204	0.092503	-0.037075	-0.063183	-0.025223	0.006145
94	-0.015197	0.004569	0.024201	0.149587	-0.164023	-0.059728	0.067401	-0.035123	-0.020101	0.137027	-0.061779	0.021299	0.02679	-0.034086
95	-0.021634	-0.017812	-0.028475	-0.051258	-0.001597	-0.006551	0.086267	-0.015161	0.087529	0.022797	-0.02943	0.01978	0.018758	-0.06606
96	0.013978	0.017383	0.013709	-0.008408	0.064303	-0.050422	0.019549	-0.073234	-0.01095	0.026273	-0.038877	0.012572	0.023726	0.02202
97	0.010242	0.002322	-0.081419	0.068518	-0.058702	-0.084287	-0.040874	0.030593	-0.098727	0.006716	0.00183	-0.039611	-0.005922	0.038136
98	0.065968	-0.050506	0.075532	-0.089686	0.05672	0.019476	-0.049345	-0.039162	-0.159963	-0.024998	-0.002946	0.052426	0.013967	0.006256
99	-0.129344	-0.088613	-0.096222	0.007913	-0.011542	0.061609	0.128872	0.101185	0.113783	0.03555	0.001049	0.076418	0.074034	0.011431
100	0.027469	0.023455	0.018941	0.027122	0.000364	-0.038243	-0.020386	-0.048741	-0.022806	-0.00663	-0.020789	0.023013	0.018175	-0.012405
101	0.030412	0.033454	0.019968	0.024087	0.006581	-0.000765	-0.016058	-0.050279	-0.025524	0.000042	0.019703	-0.003113	-0.008602	0.009901
102	0.050311	-0.015532	-0.000813	0.022608	0.000151	-0.013826	-0.006174	0.017679	0.00586	0.012933	0.00502	0.01864	0.008583	0.013778
103	-0.014888	-0.025071	-0.008559	-0.047633	-0.016676	-0.007265	-0.047035	-0.016221	-0.002957	-0.005035	0.061925	0.008727	-0.002893	0.032982
104	0.053193	-0.044576	0.044274	-0.046448	0.013868	-0.074872	-0.015086	0.009307	-0.013714	0.022067	-0.020104	0.034148	0.03153	0.026363
105	0.018572	0.015118	-0.018212	-0.068923	-0.055962	-0.001177	-0.016624	0.013055	-0.032668	0.023882	-0.004189	-0.00239	0.031007	-0.02914
106	-0.051172	0.010369	0.007015	0.016236	0.004918	-0.031472	-0.004704	-0.010589	-0.025354	-0.037394	-0.056706	-0.040679	-0.051172	-0.029361
107	0.056012	0.018241	0.041571	-0.036428	0.019767	0.010622	0.010489	0.002847	-0.052559	-0.007783	-0.021979	-0.030449	-0.034453	-0.009777
108	0.045254	-0.007149	0.014301	0.010295	-0.016814	-0.011222	-0.080089	-0.003502	0.00579	0.009749	0.002747	-0.004712	-0.01677	0.017904
109	-0.008704	-0.05038	-0.013036	-0.044212	0.057949	0.002318	-0.069013	0.007876	-0.018686	-0.012624	-0.026222	-0.015065	-0.023299	-0.011944
110	-0.079756	-0.043809	-0.064586	-0.016276	0.040565	-0.044378	0.008475	-0.018176	0.012154	0.009284	-0.008278	-0.006502	-0.007881	0.015222
111	0.015884	-0.008443	0.06314	-0.075418	0.019528	0.05058	-0.022897	0.016169	-0.049121	-0.003954	-0.027198	-0.001969	-0.0124	-0.000366
112	0.025976	-0.037435	-0.013691	0.006407	0.03733	-0.001028	-0.023448	0.016647	0.030968	-0.040134	-0.015775	-0.001957	-0.008318	-0.012608
113	0.035804	0.042281	0.01228	-0.015197	0.005956	-0.079968	-0.03017	0.017466	0.075843	-0.003721	-0.012478	0.010098	0.003698	0.001047
114	-0.011028	0.046733	-0.026425	0.067224	-0.021539	0.004247	0.116727	-0.009242	0.056991	0.032899	-0.007832	0.008911	-0.039656	0.049401
115	0.033845	-0.051988	0.006493	0.037114	-0.011109	0.014257	-0.004192	-0.023612	-0.00242	-0.013956	0.018088	-0.014907	-0.001504	-0.023995
116	0.015416	0.007708	-0.00861	-0.0498	0.010862	-0.048632	0.048635	-0.005347	-0.002026	0.021289	0.043224	0.01132	-0.010122	-0.010356
117	-0.004087	-0.001016	0.00738	0.013853	0.028314	-0.041685	0.047584	-0.01144	-0.043264	0.04001	-0.006558	0.003812	0.017572	0.001838
118	-0.105619	-0.048998	-0.018798	-0.010847	-0.04037	-0.11075	0.042859	-0.006306	-0.031457	-0.013738	-0.025646	0.017064	0.013425	-0.030631
119	-0.061332	-0.003315	0.030849	0.025767	0.014757	0.026087	-0.047097	0.011378	0.008466	-0.01974	-0.089001	-0.004592	-0.006766	-0.050018
120	0.053438	0.026553	0.039663	0.004828	0.008117	-0.02928	0.025247	-0.003968	-0.020886	0.017953	0.010874	0.009555	0.015534	0.01161
121	-0.018402	0.02353	-0.02815	0.014955	0.0199	-0.049213	0.049634	-0.01285	0.023012	0.00753	0.006038	0.011529	-0.003103	-0.009091
122	-0.062219	0.021917	0.018568	-0.023618	0.016262	-0.017502	-0.015196	0.009455	-0.018056	-0.036884	0.035082	-0.023559	-0.003492	0.018874
123	-0.053139	0.059096	0.016349	-0.01361	0.008139	0.041995	-0.001102	-0.032952	0.002395	-0.005629	-0.007171	-0.022185	-0.044749	-0.010996

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
124	0.011581	-0.021187	-0.000495	0.010335	0.001134	0.037047	0.002263	0.024168	0.033964	-0.032826	-0.040508	0.004111	-0.00542	-0.056404
125	-0.001747	-0.021885	0.016932	-0.064139	-0.022281	0.008964	-0.021738	-0.013598	-0.037286	0.011446	0.004715	0.028434	0.017136	-0.012588
126	-0.015614	0.044748	0.04701	-0.022485	0.017196	0.006707	0.025013	0.000555	0.046518	-0.036198	-0.029803	0.033686	0.003009	-0.018136
127	-0.017208	0.005294	0.034824	-0.025882	0.016957	0.019639	0.024929	-0.011064	0.040475	-0.008601	-0.024765	0.010959	0.003782	-0.020532
128	0.02263	-0.006138	0.019039	-0.033277	-0.053396	-0.033512	0.052168	0.007928	0.012364	0.030425	-0.041123	0.00776	0.029381	-0.008718
129	0.029932	-0.066015	-0.00706	-0.057688	-0.023356	-0.035982	-0.018614	-0.005431	-0.008588	-0.002296	0.005067	0.01879	0.023571	0.015907
130	0.053717	-0.005475	-0.02611	0.025265	-0.0038	0.080762	0.106418	-0.005481	0.022981	-0.014474	0.014217	-0.006182	-0.022046	-0.012835
131	-0.027172	-0.055	0.052894	-0.045881	-0.034066	0.031618	0.015778	-0.002213	0.005679	0.012456	-0.009041	-0.002913	0.008319	-0.032976
132	-0.037244	0.010297	0.00907	-0.041201	0.085827	0.008296	-0.031706	0.009673	-0.047919	0.068972	-0.028888	-0.023062	-0.003318	-0.05239
133	-0.008836	-0.000493	-0.032039	0.02902	0.042599	-0.009789	-0.050354	-0.018037	-0.015142	0.007549	0.00594	-0.02004	-0.015041	-0.017169
134	0.041105	-0.029917	-0.093342	-0.006953	-0.035662	0.022524	-0.050445	0.014554	-0.024404	0.002763	0.030825	0.027977	0.042501	0.00029
135	0.037886	-0.025929	-0.013194	0.010556	-0.053554	0.035082	0.030511	-0.004798	-0.02191	-0.00377	-0.015987	-0.024662	-0.00918	-0.016969
136	0.060327	0.018618	-0.0081	-0.03118	-0.040642	0.007682	-0.012213	-0.032856	-0.013464	0.00372	-0.010008	-0.005209	-0.00367	-0.014345
137	0.007903	0.047873	0.027723	-0.049459	0.014982	-0.035173	0.038312	-0.015451	0.012904	0.021498	0.067167	-0.000515	0.015428	0.033272
138	-0.029966	-0.029099	-0.089853	-0.089429	-0.033472	0.001922	-0.014846	0.0156	-0.007642	-0.012625	-0.000881	0.007929	0.019485	0.046781
139	-0.103668	0.009103	0.011253	0.028791	0.002126	-0.023448	0.011625	0.020702	0.044858	-0.036888	0.004504	-0.02825	-0.051484	-0.000745
140	0.045015	-0.014073	-0.029488	0.076841	-0.049826	0.045797	-0.090773	-0.023193	-0.01483	0.030874	0.032571	-0.027559	0.009369	0.026421
141	-0.065789	0.020159	-0.00453	0.036412	-0.004615	-0.020729	-0.029282	0.013569	-0.025514	-0.008663	0.009704	0.012311	-0.000042	0.054216
142	-0.004518	0.026026	0.005142	0.059279	0.043939	-0.007938	0.05033	-0.050158	-0.024486	0.033822	0.02106	-0.00218	-0.00801	0.054425
143	0.034094	0.002866	-0.033315	0.08149	-0.027988	-0.014488	0.027274	0.002975	-0.030989	-0.00478	0.023062	-0.034607	-0.010913	0.030257
144	0.045028	0.008321	0.012372	0.087662	-0.009012	0.043375	0.011379	0.014669	0.002833	-0.02493	-0.028147	-0.017838	-0.007423	-0.010899
145	0.095446	0.002271	0.015178	-0.000134	-0.023122	0.064321	-0.010229	-0.010406	0.002272	-0.004502	0.011446	-0.028094	-0.02629	0.02554
146	0.025206	0.039786	0.011031	0.003591	-0.023153	0.002769	-0.001541	-0.020374	0.023129	0.007291	-0.013132	-0.003509	-0.012936	-0.01181
147	-0.039948	0.062761	-0.053132	0.02682	-0.023555	-0.091979	0.0216	0.002386	0.010471	-0.006058	-0.053952	0.020602	0.009519	-0.00294
148	0.033875	0.06169	0.04914	0.017663	-0.021539	-0.016781	-0.025879	-0.015598	0.027838	0.020857	-0.016235	-0.029569	-0.00965	0.026125
149	-0.039318	0.017718	0.009923	-0.03966	-0.032235	-0.024142	-0.016186	0.030126	-0.000154	-0.027161	0.04321	-0.014137	0.00242	0.016979
150	0.032129	0.023279	0.045135	-0.07329	-0.016846	-0.021463	-0.00648	-0.001145	-0.009004	-0.000573	-0.050153	0.009896	0.012996	-0.014259
151	-0.036609	0.022779	-0.037124	-0.046439	0.018047	0.045188	-0.042183	0.0234	-0.076141	-0.01547	-0.000258	0.020422	-0.002982	0.023502
152	0.002969	-0.06736	-0.038474	-0.02098	0.057	-0.009097	0.014031	0.021963	0.036811	-0.016112	0.018344	0.003659	0.018759	0.002854
153	0.023485	-0.014009	0.000928	0.027723	-0.010557	-0.027864	0.001976	-0.011034	0.003244	0.004677	0.053951	-0.039953	-0.024136	0.045347
154	0.032401	0.018899	0.021324	0.013739	0.01614	0.023669	0.070759	-0.00163	-0.002841	0.04518	-0.010906	-0.007101	0.008475	-0.006618
155	-0.026556	-0.035471	0.003193	-0.040636	0.049463	-0.035106	0.008639	0.005358	0.009996	0.039416	-0.011036	0.011881	0.006826	-0.036324
156	-0.017636	-0.043701	-0.019807	0.002136	-0.033289	-0.023248	0.007092	-0.008071	0.067491	0.012004	-0.012414	0.020306	-0.015192	0.002583
157	0.004144	-0.015958	0.027801	-0.033511	0.008442	0.024978	0.012054	-0.01923	-0.038967	-0.029213	0.007617	0.005854	-0.000616	0.023596
158	0.034957	0.037808	-0.080142	-0.00044	0.054221	0.061879	-0.015642	0.00736	0.016565	0.027035	0.086276	0.039413	0.015252	0.038379
159	0.011698	-0.05202	-0.109456	-0.022747	-0.018717	0.028023	-0.050936	-0.022627	0.084345	-0.033273	-0.02263	-0.003715	-0.009241	0.002031
160	-0.023264	0.05565	0.096428	-0.013988	0.000467	-0.020666	-0.030893	-0.02257	-0.059943	0.036974	0.047067	0.022512	0.034006	0.033919
161	0.056281	0.027164	-0.050673	-0.026539	-0.011613	0.078969	0.053942	0.011541	0.020062	0.012202	0.0034	-0.006752	-0.031284	0.034132
162	-0.005357	0.02869	-0.026372	-0.063598	-0.02704	0.087244	0.061371	0.005012	-0.005609	-0.041076	-0.000787	-0.010437	-0.005258	0.011425
163	-0.006943	0.015038	0.01479	0.002102	0.048307	-0.024651	0.003848	-0.017204	-0.024578	-0.000476	0.013376	0.011668	0.026022	0.030429
164	-0.103405	-0.022615	0.085034	-0.053471	0.010275	0.032464	-0.0385	0.014723	0.009548	-0.004401	-0.01282	0.03305	0.012598	-0.018344

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
165	-0.074519	-0.023871	-0.044186	0.026635	0.032338	0.037009	-0.04928	0.017981	-0.037307	0.03892	0.053633	0.053831	0.032526	-0.016979
166	0.033013	-0.027881	-0.08209	-0.040683	-0.001603	-0.005448	-0.065503	0.017334	-0.009711	0.01032	0.067002	-0.005329	-0.023713	-0.005135
167	0.000712	-0.015208	0.062547	0.036944	0.001488	-0.052086	-0.033359	0.023982	0.066046	-0.02354	0.023138	-0.000994	-0.000203	0.005113
168	0.036509	0.014912	0.018871	0.02756	0.019815	-0.003411	0.018553	-0.026617	-0.003219	-0.110401	0.008824	0.021338	0.014299	0.021119
169	-0.024764	0.006252	0.010428	0.049999	0.002429	-0.033764	0.002717	-0.015517	0.027825	-0.028126	-0.044377	-0.023639	-0.029799	-0.030112
170	-0.024587	0.006803	0.015511	0.074188	0.047431	-0.013702	0.0282	-0.006927	0.048713	-0.015296	-0.045363	-0.030545	-0.038794	-0.036666
171	-0.036927	0.01972	-0.029307	0.060754	0.000927	-0.028717	-0.016259	-0.030775	0.020107	-0.033376	-0.03197	-0.024703	-0.038537	-0.027636
172	-0.017277	0.017121	-0.015171	0.026213	-0.071298	-0.033408	-0.018402	0.008547	0.0231	-0.000547	-0.059842	-0.01121	-0.007744	-0.030383
173	-0.024522	0.018481	-0.031544	-0.005493	-0.072976	-0.001278	-0.00019	0.005376	-0.00871	-0.026074	-0.013845	-0.040958	-0.032731	-0.007248
174	-0.037245	0.002411	-0.041341	0.029839	-0.003181	0.011071	0.005889	0.013274	0.020506	-0.017995	-0.016445	-0.02867	-0.03188	-0.0338
175	-0.088651	0.021471	-0.030061	-0.040785	0.041988	-0.002768	0.03172	0.048383	0.006876	-0.045882	-0.001483	-0.023831	0.00389	0.006854
176	0.038029	-0.001208	-0.01622	0.048149	0.023707	0.008398	0.013826	0.000258	0.043443	-0.02971	0.007774	-0.003367	-0.006215	-0.005912
177	0.03991	0.001491	-0.020328	-0.019597	-0.047911	0.010675	0.021867	0.026474	-0.011193	-0.01056	-0.022931	-0.020141	-0.031574	-0.068579
178	-0.008624	0.022421	-0.035287	-0.02982	-0.017362	0.027283	-0.026112	-0.044821	-0.059562	-0.020316	0.027977	-0.010486	-0.010339	0.04432
179	-0.007112	0.011674	-0.019948	0.024825	0.029261	-0.011497	-0.00349	-0.072331	-0.048449	0.020577	0.012434	0.009055	0.015079	0.019215
180	-0.001769	0.017688	-0.014429	0.004251	0.00877	-0.002077	-0.021221	-0.060332	-0.058283	-0.006546	0.015789	-0.009059	-0.004229	0.021058
181	-0.027001	0.01935	-0.02447	0.007768	0.037124	-0.013922	-0.019588	-0.047575	-0.057653	-0.000414	0.022481	-0.013687	-0.006612	0.015379
182	-0.039306	0.043209	-0.012483	0.011843	0.084904	-0.020955	-0.018201	-0.027969	-0.015599	0.006599	-0.009084	-0.002774	0.014246	0.001677
183	-0.009235	0.023585	-0.019206	0.013676	0.031882	-0.032766	0.001625	-0.062418	-0.023202	0.019831	-0.024071	0.021359	0.018824	-0.020262
184	0.035884	0.03192	-0.051181	0.039041	-0.004221	0.010493	-0.06556	-0.0841	-0.020518	0.009641	0.000489	0.032747	-0.012035	-0.02017
185	-0.020639	-0.011009	-0.043314	-0.018593	0.004842	-0.120567	0.013316	0.001852	-0.028876	0.023067	0.035369	-0.008696	0.01213	0.000804
186	-0.000365	0.019038	-0.020544	0.007925	0.059869	-0.015611	-0.005324	-0.016558	-0.03701	-0.058208	-0.028631	-0.034021	-0.046449	-0.015872
187	0.035914	0.001964	0.026608	-0.00436	-0.013898	0.035368	0.00804	-0.003249	-0.005776	-0.007937	-0.027654	0.028097	0.022815	-0.001056
188	0.009848	0.016213	0.013343	0.049801	-0.01692	0.021934	0.009143	-0.008247	0.023114	0.006283	-0.024043	0.018534	0.009697	-0.005195
189	-0.025516	0.027687	0.051189	0.051821	0.010777	0.031938	0.008517	-0.028015	0.036705	0.007226	-0.006775	0.019705	0.012341	0.003506
190	-0.014463	-0.006539	0.014403	0.006401	0.03432	-0.035252	0.014256	-0.002122	0.00517	0.001188	-0.018142	0.022205	0.020485	-0.015741
191	0.001758	-0.033075	0.033178	-0.003393	0.021399	0.001117	-0.032423	-0.00525	-0.03448	0.006348	-0.02262	0.016665	0.019611	-0.033254
192	0.022375	-0.006195	-0.021874	-0.003476	0.020182	-0.001539	0.000684	-0.017757	0.007368	0.046989	0.001912	-0.000484	0.023152	0.002401
193	-0.038128	0.004578	-0.00224	-0.017926	0.015813	0.052409	0.031584	-0.010089	-0.051829	0.066314	0.003415	-0.017721	0.026594	0.01071
194	0.061444	-0.013821	-0.048716	0.002492	0.02493	0.071855	0.022432	-0.022617	-0.041903	-0.008151	0.001727	0.005496	0.028445	0.030252
195	0.001273	-0.032489	-0.015423	-0.027009	0.08131	-0.002397	0.088159	0.004608	-0.026051	0.015424	0.011615	-0.004939	-0.002461	0.013232
196	-0.026236	0.031948	-0.029471	0.016629	0.06081	-0.008873	0.006747	-0.015575	-0.029292	-0.009721	0.003212	-0.001716	0.003681	0.004948
197	-0.016297	-0.04781	0.016341	0.030232	0.034773	-0.02968	-0.002629	0.014098	0.03607	0.011312	0.007313	0.014288	0.028344	-0.012772
198	0.029267	-0.017703	-0.042587	-0.001586	0.037658	-0.007225	0.049591	-0.001473	0.023584	-0.022504	-0.018679	0.021923	-0.00364	0.016754
199	-0.030277	0.04264	-0.03133	-0.010256	0.000394	-0.010477	-0.009	0.004173	0.019144	-0.021279	-0.033209	0.011401	0.000715	-0.003148
200	-0.006545	-0.059849	-0.03124	-0.049198	-0.049617	-0.010299	0.04475	0.00317	-0.081069	0.032426	-0.031098	-0.003005	0.014059	-0.002858
201	0.065745	-0.029785	0.026393	0.041302	-0.07961	0.03977	0.007881	0.000785	0.000517	0.011084	0.023166	-0.013445	-0.000234	0.011652
202	0.014941	-0.024385	-0.077856	0.000462	0.003758	0.007016	0.038115	0.030158	0.0336	-0.018635	-0.03596	-0.008105	0.000146	0.017075
203	0.035538	-0.136515	0.029877	-0.045706	0.020104	-0.012299	-0.020367	0.017906	0.000991	0.008121	-0.036629	0.003213	0.014065	-0.049645
204	-0.063719	-0.015296	-0.037791	0.044148	-0.037325	0.031815	0.011607	-0.015826	0.010461	0.025899	-0.028171	0.038801	0.053945	-0.034186
205	-0.005353	-0.005212	-0.011759	0.108179	0.034308	-0.062322	0.016695	0.008551	-0.025833	0.001692	-0.081563	-0.000789	0.040044	-0.034418

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
206	-0.069909	-0.100717	0.045716	0.001951	-0.01511	0.036166	-0.079402	-0.010737	0.012193	0.010765	0.018796	-0.013197	-0.02033	0.006183
207	0.407754	0.052778	-0.024613	-0.047923	-0.061493	-0.02527	-0.021714	0.002985	0.015467	-0.02446	0.019131	-0.00351	-0.013262	-0.004343
208	0.024996	0.555707	-0.014408	0.026328	-0.033288	0.025718	0.007371	0.026545	-0.026967	0.018758	0.032684	-0.028571	0.001695	0.00875
209	-0.054464	-0.060359	0.494589	-0.0151	-0.018803	0.042022	0.055499	0.011783	0.053481	0.022125	0.049347	-0.018722	-0.013758	0.015191
210	-0.069051	0.00416	-0.00868	0.497564	-0.082158	-0.014862	-0.078985	0.025533	-0.082061	0.008778	0.018008	-0.001325	0.019603	0.005043
211	0.007497	0.004038	0.011039	-0.078535	0.584952	-0.026216	0.005746	-0.029181	-0.0036	0.054168	-0.015564	-0.015298	0.008234	-0.00413
212	-0.026574	-0.02393	-0.026384	0.026466	-0.019275	0.367531	0.014121	0.014532	0.014721	0.037044	0.042414	-0.001509	-0.002982	0.017326
213	-0.016766	0.05067	0.05255	-0.049882	0.039523	0.004532	0.384044	-0.005818	-0.011012	-0.001823	0.020737	0.043077	0.019102	0.029972
214	0.036297	0.037198	0.007117	0.032304	-0.025079	-0.001475	0.000762	0.881723	-0.042182	0.029175	0.011387	-0.003775	-0.00908	0.019194
215	-0.031382	-0.072516	0.042304	-0.055783	-0.022517	-0.015509	-0.009431	-0.053562	0.657356	0.01746	0.018911	-0.046449	0.009055	0.025613
216	-0.015711	0.022132	0.008018	-0.019497	0.03716	0.013653	-0.005783	0.043635	-0.002529	0.757399	-0.060438	-0.028327	-0.076228	-0.030686
217	0.010631	0.003016	0.062195	0.039195	0.000952	-0.002361	-0.001153	0.025968	0.014685	-0.042979	0.682906	-0.000796	-0.021278	-0.152393
218	0.000887	-0.01158	-0.012847	0.000214	-0.014306	-0.007503	0.018825	-0.010383	-0.049024	0.001407	-0.009968	0.888542	-0.065198	-0.02579
219	0.002421	0.019436	-0.035567	0.010969	0.003103	0.014959	0.016679	-0.012992	0.008617	-0.060673	-0.051537	-0.07389	0.859943	-0.05048
220	0.013209	0.001352	0.026836	-0.005812	-0.013747	0.005488	0.002876	0.009945	0.027515	0.012877	-0.157881	0.006051	-0.016874	0.773264
221	-0.005197	0.020451	-0.022082	-0.031659	-0.013167	0.018512	0.017549	0.0101	-0.007042	-0.042252	-0.006959	-0.031468	-0.031283	-0.021206
222	-0.020906	-0.035411	-0.04367	-0.026822	-0.040428	-0.03708	-0.017221	-0.000635	-0.03009	-0.014242	-0.009559	-0.033543	-0.023369	-0.014689
223	-0.030676	0.014879	-0.017036	-0.041927	0.002478	-0.014155	-0.019217	0.001265	-0.014761	-0.00895	0.020846	-0.027892	-0.012794	-0.033096
224	0.002508	-0.01223	-0.01787	0.015049	-0.043515	0.030922	0.004608	-0.002771	-0.056024	-0.010041	-0.013358	0.001923	0.004602	-0.004013
225	0.035635	-0.012485	-0.007014	0.009781	-0.017973	0.013546	0.00751	-0.004056	-0.053273	-0.019455	-0.001431	-0.004265	-0.008205	0.007889
226	0.02083	0.032975	0.009123	-0.003201	0.010056	-0.032036	0.016584	0.012601	0.008635	0.02523	0.030116	0.008229	0.004314	0.009142
227	0.00976	0.013382	0.001942	-0.020923	-0.010314	0.076245	-0.01535	0.005536	-0.037328	-0.003216	0.012772	0.01187	0.011097	-0.004094
228	-0.043717	-0.018404	0.010245	0.026699	-0.023661	-0.03458	-0.009105	0.009225	0.033113	0.019537	0.024121	-0.0064	0.009428	0.013414
229	0.003571	-0.009545	0.015297	0.052069	0.04003	0.074722	-0.051164	-0.007816	-0.014605	-0.01512	0.003807	-0.003115	-0.00099	0.006001
230	-0.021346	0.027013	0.020341	-0.009415	-0.056747	0.004352	0.029949	0.008734	-0.046418	-0.072525	0.038031	0.012535	0.00804	0.037907
231	0.00906	0.020322	-0.019979	-0.013493	-0.006325	-0.04364	-0.013486	0.039174	0.037586	0.003678	0.013751	0.044111	0.022675	0.007085
232	-0.008326	-0.00038	0.00682	0.036107	-0.034494	-0.013608	-0.018191	-0.029509	0.010639	0.048169	-0.015444	0.014398	0.01491	-0.031551
233	0.021632	0.01965	0.00503	0.028242	0.021328	-0.008828	-0.071027	0.012413	0.019119	-0.021266	0.036841	-0.005362	0.011385	0.017219
234	0.019533	-0.006602	0.029075	-0.006982	0.01987	0.009308	0.008788	0.000461	-0.014613	0.003291	0.068067	0.009554	-0.007585	0.021782
235	0.012816	-0.035518	0.020531	0.01629	-0.04435	0.025645	0.04708	-0.010079	-0.068085	0.030051	0.030373	0.004402	-0.007074	0.023445
236	-0.007562	-0.020546	-0.004112	-0.016257	0.002889	0.012699	0.010161	0.018423	0.023481	-0.018816	-0.009804	0.016075	0.008929	-0.009672
237	0.033421	-0.029819	0.00857	0.025865	0.018907	0.02348	-0.034404	-0.007291	0.011547	0.005027	0.025477	-0.002328	0.016117	0.038979
238	0.013781	-0.009903	-0.018131	-0.005775	-0.002915	-0.006838	0.008648	-0.002459	0.020213	-0.003611	0.003653	0.003811	-0.041566	0.021639
239	-0.008345	-0.002185	-0.037315	-0.021433	-0.008148	-0.025322	0.00672	0.004252	0.021607	-0.02956	-0.012432	-0.002403	-0.056458	0.024982
240	-0.032462	-0.011181	0.037828	0.016413	0.019362	0.029373	0.006686	0.022887	0.006732	-0.009208	-0.024787	0.024899	0.027263	0.032097
241	-0.004856	-0.022929	0.023088	0.013217	0.040062	0.003775	0.012761	0.018436	-0.004992	-0.025802	0.009424	0.001393	0.023267	0.009885
242	-0.029823	-0.01628	-0.003571	-0.004554	0.001232	-0.011873	-0.022536	0.027518	-0.027572	-0.000722	0.009083	-0.016722	0.010922	-0.037112
243	-0.012953	-0.006862	-0.013722	-0.015011	-0.022292	0.005428	0.006935	0.002371	-0.034656	-0.036788	-0.014093	-0.020633	-0.03391	-0.001717
244	0.024997	0.003112	0.017233	-0.014543	-0.020623	0.004209	-0.007155	-0.007596	-0.023656	-0.001405	0.017354	0.02015	0.022965	0.028413
245	-0.017395	-0.034445	0.001478	0.025692	-0.009247	-0.007258	-0.031987	-0.003734	-0.037409	0.014286	0.012181	-0.013046	0.011443	0.0273
246	0.003272	-0.013331	0.003355	-0.026039	0.026553	0.04366	-0.000239	0.001218	-0.014906	-0.004801	0.019375	-0.007551	0.003325	-0.038023

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
247	0.041841	0.030901	-0.010244	-0.040974	-0.012057	-0.017007	0.008934	-0.006233	-0.000654	-0.020942	-0.004769	0.016947	-0.015751	-0.037012
248	0.018022	0.009682	-0.026169	-0.013101	-0.039777	0.003185	0.01223	-0.020133	-0.018502	0.031475	-0.018187	0.015926	-0.016087	-0.047009
249	0.021823	-0.037854	0.008794	0.037336	-0.036164	0.011275	-0.006378	-0.010934	-0.003254	0.016171	-0.057797	-0.024197	-0.014851	-0.012764
250	-0.015968	-0.004873	0.046379	-0.027778	0.016728	0.053659	0.027878	0.009712	-0.024099	-0.02203	0.009804	0.016358	0.019456	0.029539
251	-0.032344	-0.051939	0.018113	0.003981	0.034838	0.045248	0.049005	0.008408	-0.029363	0.017227	0.032083	0.020132	0.019844	0.034584
252	-0.026283	-0.000197	-0.038012	0.002768	0.045709	-0.030536	-0.039882	-0.001336	-0.006997	0.012656	-0.008932	0.002888	0.016771	0.008806
253	-0.001337	0.0086	0.012574	0.010494	0.014839	-0.028267	-0.020454	-0.000853	0.008385	-0.00497	-0.020693	0.018133	0.03983	-0.034403
254	-0.014131	0.001533	-0.023695	-0.020787	0.005524	0.008515	-0.012967	0.006978	-0.001671	-0.004411	0.036364	0.000969	-0.00485	-0.004679
255	0.007503	0.004695	-0.000053	-0.024712	0.011002	0.017478	0.012754	0.030416	0.002879	-0.028809	0.033688	0.032493	0.024003	0.000064
256	0.026242	-0.032652	0.003062	0.001958	0.024242	-0.024962	-0.019688	0.008566	-0.050055	-0.012866	0.013584	-0.004253	0.02617	-0.031316
257	-0.010851	0.006682	0.033804	-0.008026	0.016741	-0.002532	0.01171	-0.003448	0.010117	0.003929	0.010494	0.026985	0.02388	0.008315
258	-0.016315	0.016076	0.00082	-0.036416	-0.002566	0.000468	0.010621	0.008253	0.002803	-0.01282	-0.023309	0.014134	0.009828	-0.000908
259	-0.027872	-0.025081	-0.003567	0.024129	-0.023418	0.021255	0.002236	0.00299	-0.013364	0.013489	-0.010542	-0.018425	-0.016695	0.005324
260	-0.02925	0.010473	-0.026836	0.010751	0.003833	0.062964	-0.041376	-0.027056	0.020039	0.020683	-0.009171	0.01382	-0.00556	0.011264
261	-0.035979	-0.007044	-0.001861	-0.005042	0.04572	0.027798	-0.011311	0.006822	0.017239	0.023574	-0.016853	0.019027	0.01154	-0.00258
262	0.020793	0.024416	-0.015457	-0.00806	-0.019236	-0.028615	0.005909	-0.005173	0.006599	0.004705	-0.036485	0.01726	0.020197	-0.012898
263	0.009803	0.0124	-0.010253	-0.007332	-0.031309	-0.02522	0.008721	0.000412	0.004904	0.003763	-0.031606	0.011689	0.011531	-0.008597
264	0.003323	-0.044797	-0.035084	0.017752	-0.056429	-0.029807	-0.018018	0.002709	-0.014909	-0.01574	0.018849	0.003966	0.003031	0.015501
265	0.003205	0.006751	0.009566	0.004592	0.006534	0.00348	0.030662	-0.000549	-0.000132	-0.004564	-0.008643	0.030525	0.008647	-0.014937
266	0.033195	-0.009757	0.017238	-0.000062	-0.005903	0.00297	0.042604	-0.002137	0.038382	-0.018496	-0.012923	0.039943	0.019315	-0.015542
267	-0.004888	-0.013553	0.02167	-0.008964	0.014887	0.011062	-0.018804	0.011128	0.023029	-0.00929	-0.008122	-0.002275	-0.005738	-0.009881
268	0.014659	0.020515	0.003353	-0.014293	0.002524	-0.040323	0.011018	0.011842	0.001526	-0.001513	0.019804	0.002471	0.000588	0.014899
269	0.009398	0.022444	0.000003	0.013035	-0.000609	-0.029593	0.011261	-0.002465	-0.006364	0.025836	0.016688	0.008361	0.013208	-0.003509
270	-0.020394	0.021084	-0.024055	0.001103	0.024108	0.024307	0.016318	0.009687	0.018489	0.023066	0.020574	0.015881	0.016006	-0.003988
271	-0.005804	-0.035934	0.010095	-0.016853	0.01282	-0.020086	0.011923	-0.00015	0.019116	0.005206	0.042339	0.014144	0.010929	0.04248
272	-0.028791	-0.019861	0.012469	0.049648	0.027768	0.012903	0.028966	0.005764	0.026132	0.068001	0.032732	0.008083	0.007112	0.031141
273	-0.026964	0.045268	0.001555	0.011956	0.005919	-0.005238	0.019503	-0.002063	-0.003917	0.051912	0.017801	0.013064	0.020925	0.012896
274	-0.025461	0.045739	0.01149	0.023139	0.019259	0.0034	0.017739	-0.005248	-0.00284	0.053263	0.012657	0.01998	0.025397	0.007394
275	-0.067092	0.0065	0.023615	-0.011632	-0.028939	0.061713	0.015044	-0.022047	-0.043993	-0.022837	0.01835	0.014346	0.00805	0.032293
276	0.005815	-0.001586	-0.000829	-0.003428	0.009308	0.021621	-0.010558	0.010915	0.045809	-0.026983	0.006226	0.007204	-0.002316	-0.002388
277	0.005473	-0.028337	-0.011097	0.008716	-0.006169	-0.014101	-0.011085	0.000721	0.003917	0.020371	0.035322	-0.020164	0.022661	0.080161
278	-0.017577	-0.013349	0.000271	0.025213	-0.001753	-0.009386	-0.054667	-0.020553	0.019638	0.039079	0.032156	-0.01205	0.036919	0.081372
279	-0.031149	-0.01176	-0.067935	0.004791	-0.031776	0.004185	0.012609	-0.021646	0.024298	-0.002008	0.005048	-0.010828	-0.062376	0.043643
280	-0.00631	0.014335	0.018523	0.036424	0.028703	-0.000579	0.005487	0.029484	-0.027074	-0.064764	0.003763	-0.032481	0.001152	0.01864
281	0.011817	-0.01339	-0.035098	0.002995	-0.009762	0.023165	-0.010176	0.006835	-0.015998	0.016429	0.036212	-0.011314	0.002636	-0.032121
282	-0.024833	0.020898	-0.076199	-0.00364	0.000404	-0.007532	0.002573	-0.000612	0.009625	-0.001243	0.026801	-0.014837	0.006814	-0.022999
283	0.036507	0.033834	-0.057824	-0.022523	-0.04634	0.024663	-0.006826	-0.039482	0.020471	0.001577	0.007306	0.008469	-0.037426	-0.027985
284	-0.015144	0.004318	0.02643	0.012552	-0.00556	0.000714	-0.001219	-0.018849	0.003616	0.019127	0.025491	0.011242	0.010496	0.007216
285	-0.001721	0.0138	0.030328	0.008957	0.002652	-0.002398	-0.005337	-0.029748	-0.017172	0.009113	0.006984	0.012285	0.010048	0.00381
286	-0.003071	0.030334	0.000082	-0.008632	-0.013017	-0.034215	-0.053489	-0.019452	-0.021945	-0.017194	-0.00161	-0.017339	-0.008023	0.009481
287	-0.031448	0.051757	-0.005171	-0.018052	-0.024646	-0.010211	-0.033874	-0.013328	0.023896	-0.020968	-0.010259	-0.001403	0.002231	0.02016

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
288	0.020835	0.002603	-0.017922	-0.014363	-0.049484	0.016056	-0.010283	-0.031581	-0.001049	0.005706	-0.00871	0.017131	0.014693	0.007219
289	0.023834	-0.012674	0.007481	-0.023833	0.019602	0.020977	0.052892	0.003909	-0.002141	-0.015208	-0.029432	0.027093	0.019916	-0.011201
290	0.002633	0.010029	-0.007919	0.003385	-0.00524	-0.013376	0.005996	0.006885	0.00372	0.02635	0.010728	0.022247	0.024344	-0.000405
291	0.005653	0.008785	-0.011737	-0.001268	-0.011336	-0.01655	0.005644	0.009123	0.0032	0.020457	0.011942	0.017092	0.022413	0.004394
292	0.012667	0.004351	-0.000595	-0.000109	-0.025588	-0.004324	0.04572	0.000663	-0.009025	0.022936	0.012817	0.018423	0.018943	0.015205
293	-0.030469	-0.000529	-0.013329	-0.040818	-0.002586	-0.059299	-0.036373	0.025112	-0.064801	-0.012095	0.01784	-0.025234	0.005549	0.051756
294	0.003973	-0.012618	-0.021435	-0.003681	-0.017583	-0.008716	0.000985	0.002917	-0.036981	0.003224	0.001349	-0.02338	-0.013908	0.012958
295	0.008195	0.020282	0.017108	0.03551	0.006467	-0.019537	-0.024159	-0.002679	0.030726	0.033729	-0.007892	-0.001956	0.004558	-0.000218
296	-0.003992	0.019281	0.01195	0.015892	0.032828	-0.028424	-0.011901	-0.002604	0.02585	0.045714	-0.017998	0.007168	0.021527	-0.03537
297	0.00635	0.007424	-0.002289	0.029961	-0.001806	-0.011829	-0.032852	-0.003042	0.034954	0.030805	-0.00674	-0.003211	0.014315	-0.010161
298	-0.030133	0.03039	0.009876	-0.03996	-0.048835	0.029058	0.029577	-0.036816	-0.010623	0.044485	-0.005154	0.005251	-0.007383	-0.029971
299	0.017752	-0.052476	0.010011	-0.004398	0.008128	-0.020071	0.016938	0.016314	0.029371	0.029652	-0.001316	0.006909	0.004615	-0.01146
300	0.00389	0.088247	0.019052	0.062661	-0.063289	-0.000995	0.052645	-0.04311	-0.009698	-0.010142	-0.013447	0.024489	0.000119	-0.027819
301	-0.007615	-0.045938	0.020012	0.008474	-0.005696	-0.000163	0.003108	0.000676	0.011878	0.022316	0.003603	0.006923	0.001705	0.000494
302	-0.012712	-0.047516	0.019307	-0.009565	0.002944	0.028646	0.036415	0.008898	-0.00744	-0.012076	-0.033106	-0.008011	-0.019786	-0.017298
303	0.021984	-0.05005	0.029365	-0.031479	-0.026632	-0.019411	-0.020362	0.003288	0.009627	0.027839	-0.014827	-0.002527	0.001321	0.004368
304	-0.016272	-0.048598	-0.008354	-0.016182	-0.006251	0.013413	-0.002947	0.016644	0.003556	0.031095	-0.020324	-0.003842	-0.00751	-0.012211
305	-0.070862	-0.068557	0.01363	0.036741	0.081315	-0.001873	0.039649	0.038496	0.013271	-0.021241	-0.001284	-0.008444	-0.002741	0.02498
306	-0.061593	0.011602	-0.017789	0.015593	0.047984	-0.017555	0.038462	0.018574	-0.003794	-0.007316	-0.011453	-0.007102	-0.002405	-0.019044
307	0.001396	0.03538	0.027803	0.035565	0.001396	-0.046618	-0.086158	-0.008113	0.025876	0.012962	0.025946	-0.001786	0.048861	0.03853
308	-0.001287	0.016105	-0.014372	0.013904	0.012844	-0.003418	-0.011563	0.002465	-0.003036	-0.007032	-0.023961	-0.009763	-0.011007	-0.016307
309	0.017995	-0.001468	-0.008646	0.023329	0.004351	0.000911	-0.013415	0.000021	0.014505	-0.009209	-0.001061	-0.011803	-0.018525	0.017197
310	-0.035051	-0.036182	-0.002592	0.02481	-0.021489	-0.048034	-0.016053	-0.00811	-0.048455	0.012646	-0.043472	-0.012421	-0.016799	-0.026486
311	0.006682	0.023809	0.009212	0.012233	0.015682	0.016839	-0.013896	0.001725	0.012345	0.003102	0.010046	0.007244	0.007862	0.032474
312	-0.011052	0.050218	0.008185	0.006545	0.028599	-0.031501	-0.025008	0.013829	0.016251	0.028436	0.01943	0.029415	0.023745	-0.024062
313	0.064136	-0.005818	0.03721	0.012593	-0.041818	0.007217	0.013734	0.010982	0.037591	0.029246	0.023795	0.008474	0.005708	-0.029121
314	-0.033636	-0.049116	-0.038508	-0.069081	-0.049785	-0.037926	-0.001286	0.017898	-0.005105	0.026848	-0.0179	0.015606	0.041835	-0.028848
315	0.04836	0.013873	0.047595	0.009866	0.026432	0.018598	0.014257	0.013456	0.032369	-0.004708	-0.003752	0.01306	0.018562	-0.004651
316	0.005006	-0.011812	0.017131	0.019841	0.025594	0.005242	-0.01129	-0.011794	0.030189	-0.036424	0.013463	-0.01565	-0.009396	0.005527
317	0.003256	0.019408	0.011339	0.009184	0.009908	0.005215	-0.007609	-0.005007	0.005874	0.006921	0.020189	0.004829	0.003888	0.026762
318	0.015019	-0.011186	-0.012816	0.015162	-0.0013	0.022873	-0.017713	-0.006546	0.038431	0.000917	-0.00388	0.025697	0.011238	0.006173
319	0.054542	0.010241	0.020492	0.009738	0.000772	0.013821	-0.010935	0.000708	0.011514	-0.027303	0.011833	-0.002973	0.002088	0.018241
320	-0.057232	0.007252	-0.00644	-0.047458	0.040835	0.001276	0.047962	0.021045	-0.019715	-0.010982	0.002439	-0.003864	-0.014086	-0.00033
321	0.033404	-0.042896	0.005373	-0.075645	-0.014836	0.022321	0.018384	-0.001725	0.023595	0.040756	0.006104	-0.001677	0.04137	-0.027706
322	0.018876	0.051337	-0.021211	-0.007356	0.051782	-0.040027	0.031311	0.028376	-0.020993	-0.017014	-0.061873	0.010787	0.011114	0.003397
323	-0.010527	-0.017614	0.069667	-0.01938	-0.005367	-0.030547	0.005188	0.007523	-0.006769	-0.003271	0.01736	0.001791	0.008549	0.009933
324	-0.056594	-0.0501	-0.033939	0.011672	-0.041268	0.045887	-0.0017	-0.017284	0.001617	0.029852	0.038247	-0.009646	-0.028115	-0.046046
325	0.003177	0.04217	-0.013047	0.017254	0.006651	0.001558	-0.024977	-0.016324	0.004585	0.031539	0.015728	-0.01923	-0.003755	-0.018709
326	-0.011717	-0.021158	0.030476	-0.022657	0.008316	-0.015706	0.008932	0.003248	0.012681	0.009719	0.023213	0.009532	-0.017305	0.029068
327	-0.029315	-0.027711	0.016951	0.01491	0.026577	-0.008392	0.00882	0.013879	0.028151	0.003321	-0.01611	0.001489	-0.014203	-0.013381
328	0.068095	0.001174	-0.021278	0.01331	0.072985	-0.004194	0.046034	-0.004124	0.007932	-0.036573	-0.003854	-0.046005	-0.03137	-0.005781

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
329	0.048966	-0.057783	0.000287	0.016424	-0.03519	-0.031229	0.02657	-0.0104	0.034724	0.022006	0.026674	0.000764	-0.015267	0.005891
330	0.064597	-0.069259	0.029159	-0.055762	-0.022998	-0.00551	0.005193	-0.00286	-0.080367	0.017698	0.03679	-0.026231	-0.000143	0.033125
331	0.004383	0.013031	0.000176	0.008216	0.008578	-0.006855	-0.010972	0.006591	-0.003614	-0.033508	-0.008463	-0.012054	-0.022683	0.014654
332	-0.03755	0.013069	-0.035915	-0.052515	-0.009345	0.001862	0.044445	0.01133	0.004669	0.016272	0.014296	0.012487	-0.003286	-0.00124
333	-0.000862	-0.011517	-0.015557	0.047195	0.026744	0.028339	-0.027753	0.003781	0.005596	-0.014583	0.014444	-0.007339	-0.009741	0.001919
334	0.014196	-0.031117	-0.0268	-0.000006	-0.041754	0.005228	-0.003401	-0.042684	-0.014381	0.040019	0.013789	-0.036548	-0.000159	-0.010301
335	0.007875	-0.007747	0.007558	0.05451	0.018743	0.013569	-0.00643	-0.005754	-0.018694	-0.010373	-0.006634	-0.021251	-0.026635	-0.005208
336	-0.001666	0.034058	0.003384	-0.031244	0.057667	0.047511	-0.027892	0.018098	-0.016303	-0.06581	-0.017059	-0.000915	-0.023946	-0.001037
337	0.029166	-0.037697	-0.01294	0.046793	0.078667	0.042362	0.075613	-0.005238	0.004144	0.058056	0.01188	0.026058	0.014638	-0.014988
338	-0.032513	0.008246	-0.026666	-0.045311	0.025748	-0.017346	0.028197	-0.007522	-0.017478	0.012939	-0.017564	-0.023452	-0.008136	0.005324
339	-0.056786	0.013541	-0.036193	-0.015631	0.066866	-0.033776	-0.050538	0.002212	-0.018173	-0.020392	-0.020961	-0.032335	-0.037936	0.016935
340	-0.04896	0.033317	-0.007119	-0.017921	0.034473	0.063478	-0.045332	-0.009132	0.039284	0.019417	0.002757	0.036124	0.034076	0.000217

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
1	-0.0533	-0.003431	0.023282	-0.018323	-0.04473	-0.017498	-0.032824	-0.144912	-0.060338	0.026631	-0.023694	-0.067728	-0.122882	-0.108472
2	-0.048638	-0.048711	-0.029826	-0.005042	-0.024797	-0.044175	-0.03457	-0.022272	-0.094175	-0.070436	-0.084141	-0.022909	0.050894	-0.057947
3	0.04133	0.012953	0.017823	-0.016078	-0.007287	-0.07138	-0.12793	-0.076333	-0.112796	-0.031171	-0.061624	-0.016858	0.023583	-0.018136
4	-0.034235	0.031114	0.058145	0.068925	0.074901	-0.028828	-0.019702	0.020784	-0.00955	-0.048563	-0.018472	0.09197	-0.025779	-0.086542
5	0.059399	-0.009904	0.019328	0.040815	0.043457	-0.022638	0.009571	0.022187	-0.013701	0.046703	0.031567	0.095161	-0.045747	0.01302
6	-0.124456	-0.068375	-0.08349	0.082107	0.123947	-0.005885	-0.019181	-0.022913	0.070428	-0.040623	0.015283	0.002225	0.006537	0.03537
7	0.010957	0.020815	0.015971	-0.02538	-0.054231	0.060977	0.013237	0.067337	0.069627	0.016404	0.004636	0.170996	0.091061	-0.008463
8	0.010106	-0.051661	-0.005578	0.014523	0.019584	0.00156	0.06197	-0.013806	0.01975	-0.021097	0.057339	-0.04216	0.005216	0.023038
9	-0.061485	-0.051578	-0.011303	-0.034865	-0.067387	-0.017365	-0.031802	0.018366	-0.008521	-0.0415	0.004447	-0.054723	0.030457	0.050413
10	-0.005195	-0.091909	-0.036112	-0.017002	0.003029	-0.001401	-0.097377	0.076314	0.08388	0.038801	0.059896	0.040232	0.000847	0.041012
11	-0.023961	0.004219	-0.038909	0.007459	0.004419	0.010829	-0.033648	-0.003556	-0.025719	-0.042675	-0.072319	-0.024364	-0.006477	0.006931
12	0.014158	0.05054	0.032874	0.057981	0.079696	0.014319	0.080767	0.029663	-0.001359	0.030687	0.033246	-0.046094	0.035595	-0.001642
13	0.000982	-0.052652	-0.053401	-0.055984	-0.088413	-0.08265	-0.093194	0.074946	0.134291	0.004719	-0.088798	-0.01155	0.025252	-0.011512
14	0.009526	-0.007931	-0.030713	-0.032976	0.001488	0.004033	0.01595	0.073798	-0.099938	-0.029495	0.046477	0.058037	0.009619	0.076351
15	-0.045915	0.001023	0.011932	0.015751	0.011893	-0.02037	-0.018172	0.087549	0.117345	0.052151	-0.091113	0.099401	0.049877	0.023458
16	0.014957	-0.038865	-0.025865	0.038345	0.073736	0.005837	0.040522	-0.112411	0.021752	0.010835	-0.02846	0.044075	-0.032623	-0.105011
17	-0.028609	0.023525	-0.004192	0.016839	0.003555	0.058338	-0.022661	0.062081	-0.024666	-0.015998	0.030785	-0.002837	-0.073103	-0.008599
18	-0.009491	0.047751	-0.010677	-0.045655	-0.038252	0.005183	-0.062229	0.051734	0.025525	0.010131	-0.053274	-0.064354	-0.02953	-0.055641
19	0.028267	0.012269	0.05251	0.066637	0.086827	0.079632	0.213052	0.138909	0.101121	0.01627	0.081132	0.047427	0.092381	0.064831
20	0.019339	-0.005785	-0.03047	0.036086	0.023115	-0.004103	0.008274	0.061713	-0.032589	-0.075276	0.07981	0.060252	-0.004803	0.050445
21	0.014813	0.011639	-0.002545	-0.019948	0.000792	0.023676	0.053209	-0.048865	0.042525	0.004933	0.042726	-0.007948	-0.046777	0.010001
22	-0.072918	-0.003896	-0.070017	-0.069082	-0.063894	0.035366	0.011136	0.01209	0.003558	0.046025	0.00063	-0.010794	0.020132	0.018405
23	-0.023784	0.027405	0.019635	-0.055748	-0.093581	0.012091	-0.05953	-0.025956	-0.083093	-0.01449	0.105852	-0.142827	-0.013083	0.016957
24	0.033639	0.033271	0.061606	0.037195	0.066	-0.013136	0.007778	-0.011954	0.074229	0.02461	0.082949	-0.043189	0.0063	-0.094742
25	-0.022516	-0.024537	-0.102374	0.07233	0.039427	0.007961	-0.009852	-0.022404	-0.025151	-0.022631	-0.012589	-0.088011	-0.060441	-0.004701
26	-0.087333	-0.001893	0.00768	0.063178	0.013678	-0.009614	0.045157	0.068096	0.059521	0.041591	-0.016816	0.115655	-0.02249	-0.061109
27	0.004593	0.045603	0.008832	0.045882	0.059392	0.021634	0.081993	0.074822	-0.125403	-0.160394	-0.019039	-0.037675	-0.031695	0.063209
28	-0.027957	-0.024183	-0.048794	0.003768	0.029591	-0.056903	0.016489	-0.004296	0.098247	-0.030975	-0.050276	-0.099644	0.064303	0.011616
29	-0.023024	0.012598	0.013868	-0.01218	0.011713	0.019719	-0.013605	0.026985	0.028034	0.005068	-0.003861	0.029869	0.007044	-0.008636
30	-0.012667	-0.106696	-0.031289	0.019248	0.031314	0.084068	0.034945	-0.063097	0.014101	-0.006566	0.048115	0.072101	0.030232	0.012843
31	0.027955	-0.039823	-0.008781	-0.127829	-0.098337	0.028748	-0.075266	-0.088333	0.080086	-0.094635	-0.062996	-0.042227	-0.060125	0.061136
32	0.034816	0.099079	0.118976	-0.037673	-0.034706	-0.016108	-0.023981	0.040519	-0.021947	0.022783	0.000471	0.099872	0.004845	0.064171
33	-0.021456	0.029023	0.03783	0.00458	-0.026091	0.017058	0.069875	-0.055013	-0.02951	0.061808	0.054895	0.014649	-0.065339	0.002057
34	0.020054	0.021373	0.045965	-0.071653	-0.033429	-0.031974	-0.089612	-0.00962	-0.019186	-0.059574	0.043899	0.010767	-0.008422	0.093456
35	-0.031242	-0.073427	-0.053986	0.010788	0.004765	-0.009961	0.007596	-0.08113	-0.014229	-0.015156	0.025349	-0.046286	-0.07332	-0.014767
36	-0.072127	-0.05749	-0.034236	0.046947	0.038494	0.006395	-0.003558	0.031833	0.013427	-0.004828	-0.0546	0.045435	0.041209	-0.119918
37	-0.02044	-0.00154	-0.014361	-0.041249	-0.027433	-0.037859	0.070307	-0.042921	0.050862	-0.020459	0.033079	-0.00573	0.085094	0.008071
38	-0.034366	0.053139	0.06678	-0.016258	-0.004912	-0.0714	-0.024396	-0.040548	-0.034249	0.015341	-0.033605	0.014714	-0.046862	-0.036736
39	0.027243	-0.022646	-0.029863	-0.040658	-0.079253	-0.024514	-0.020743	0.018321	0.028074	-0.045026	-0.057363	-0.005886	-0.011347	-0.078743
40	-0.076766	-0.060751	-0.029882	-0.019419	-0.037525	0.040784	0.068732	-0.025435	0.099796	0.066364	0.093186	-0.044417	-0.014449	0.084859
41	0.027065	0.011914	0.016763	-0.009415	-0.036668	0.035203	0.007152	0.012775	-0.098708	0.021025	0.006689	0.022475	0.002475	-0.112467

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
42	-0.01933	-0.009612	0.004974	-0.001382	-0.006567	-0.004192	0.006908	0.017298	0.031209	0.008691	0.022678	-0.001227	0.009226	0.015178
43	0.048919	0.057186	-0.082267	0.043414	0.018656	0.004138	-0.028059	0.022358	0.063755	-0.011159	-0.067968	0.02956	0.006178	-0.058909
44	-0.064263	0.00807	0.089176	-0.095722	-0.07569	0.034222	-0.019355	-0.082526	-0.030022	-0.021769	0.049829	-0.020122	0.00264	0.00035
45	-0.028555	-0.072975	-0.0184	-0.001716	-0.024644	-0.075567	-0.028972	-0.003384	-0.034367	-0.016626	0.022909	0.135234	0.068563	0.055969
46	0.052769	-0.016846	-0.101461	0.056232	0.063692	-0.020827	0.146468	-0.036607	-0.106695	0.060268	0.034272	-0.036747	-0.058055	-0.019781
47	0.049366	0.066067	0.043474	-0.02844	-0.042099	0.0164	0.002533	0.085338	-0.052313	-0.15514	-0.04249	-0.028555	-0.045111	-0.000856
48	-0.03097	-0.011809	-0.001722	-0.035503	-0.00676	0.012575	-0.016159	0.082057	-0.001775	-0.041602	0.025178	0.04634	-0.018204	-0.010415
49	0.048024	0.044285	0.008331	-0.005771	0.001124	0.006649	0.036169	0.068762	0.038391	-0.002099	0.000445	0.100609	0.039395	0.005326
50	0.035634	-0.000097	0.027743	0.00237	-0.017751	-0.01752	0.002943	0.027447	-0.008541	0.13469	0.030333	-0.143624	0.023795	0.104626
51	0.021281	0.023716	0.029312	-0.03	-0.049501	0.079839	-0.009301	-0.055549	-0.083993	-0.159662	-0.014192	0.0372	0.086543	-0.060287
52	0.033235	0.033051	0.016754	-0.03974	0.005946	-0.04465	-0.134303	0.065833	0.099484	-0.061774	-0.103748	-0.013456	-0.016737	-0.056846
53	0.063342	-0.008595	-0.017186	0.03079	0.034645	-0.038334	0.02174	-0.013806	0.023915	0.038506	0.063623	0.089248	0.007075	0.049005
54	0.031939	0.050902	0.024015	-0.028353	-0.000875	-0.013707	-0.116524	-0.032531	0.123428	-0.029096	-0.087024	0.043013	0.044321	0.05228
55	0.002404	-0.019838	-0.011127	-0.194845	-0.164574	0.011408	-0.072784	-0.009465	-0.12409	0.001096	0.012461	-0.017742	0.01818	0.015313
56	0.021799	0.086301	0.022046	-0.032238	-0.038465	-0.004684	-0.051278	-0.106041	0.061906	0.018302	0.0284	-0.003802	0.094311	-0.080327
57	-0.073024	-0.0043	0.005793	0.038447	0.030473	0.040504	0.044883	0.013381	-0.023965	0.046976	-0.049527	0.003749	0.044734	0.028124
58	-0.03567	-0.019003	-0.00578	0.099943	0.005964	-0.008753	0.015514	0.034563	-0.052453	-0.010148	0.074329	-0.030171	-0.049708	0.072833
59	-0.028509	-0.024256	-0.069742	0.037293	0.01332	-0.006909	0.052221	0.060214	-0.02025	0.048447	-0.100627	0.020258	0.04624	0.025215
60	0.039133	0.026327	0.005235	-0.094266	-0.105123	0.011584	-0.040543	0.02627	0.130057	0.062143	-0.071387	0.063648	0.060749	0.02172
61	0.041458	0.022185	0.024876	0.064293	0.069508	-0.005928	-0.016265	0.011826	0.024542	0.030485	0.083751	-0.110795	-0.076913	0.034001
62	-0.009973	0.009733	-0.003667	-0.031994	-0.046022	-0.018639	-0.039196	-0.06014	0.059612	0.044229	0.105415	-0.024324	-0.078244	-0.136288
63	0.022579	-0.03386	0.028284	-0.070685	-0.054431	0.028265	-0.028654	-0.043594	-0.055651	-0.013819	-0.050865	-0.077762	0.02891	0.070521
64	0.020795	0.024432	0.051781	0.029792	-0.012729	-0.045966	-0.001291	-0.016982	-0.120468	0.029845	-0.002497	0.039161	-0.011065	-0.035117
65	-0.067966	0.038205	-0.015588	0.08599	0.062619	-0.007319	0.009907	-0.002738	-0.000607	0.097442	-0.081644	0.053912	0.096831	0.067773
66	0.009951	0.099643	0.038489	-0.022247	0.037993	0.066769	-0.025531	0.027497	-0.055503	0.035316	0.044322	-0.034908	-0.113057	-0.012316
67	0.056856	0.007894	0.031582	0.011669	0.036892	0.017282	-0.011667	0.034578	0.007572	-0.023627	-0.016868	-0.038806	0.001354	-0.002405
68	-0.011959	-0.026474	-0.025891	-0.065934	-0.063292	0.018531	-0.035044	-0.018403	0.022759	-0.024868	0.102712	-0.002748	0.04132	0.056488
69	0.004605	0.015228	0.079901	-0.069949	-0.064241	0.010396	-0.014517	0.01955	0.069213	0.010718	0.007565	-0.006339	-0.136884	-0.08427
70	-0.050796	-0.065727	-0.066602	-0.010304	-0.008416	-0.052884	0.033826	-0.045835	-0.066446	-0.090335	0.047487	-0.002252	0.061767	0.045381
71	-0.089356	-0.027294	-0.022629	-0.017017	-0.067987	0.097528	0.006008	0.161089	-0.129657	0.012366	-0.02966	0.120652	0.014297	0.050077
72	0.030785	0.025386	0.03653	-0.027678	-0.030654	-0.02793	0.062999	-0.128385	-0.037723	-0.016134	0.059399	0.076029	0.016106	-0.070036
73	0.018971	-0.031023	-0.078037	0.056053	0.070483	0.015566	0.003704	0.073413	0.002043	0.025244	0.061154	-0.052333	0.075698	0.065583
74	-0.035319	0.032155	0.002744	-0.078211	-0.038337	-0.005388	-0.033284	0.102131	-0.031849	0.033115	0.032274	0.035871	-0.03299	-0.000483
75	-0.031116	-0.018114	0.000295	-0.018826	-0.029073	0.040712	0.042464	-0.089724	-0.088642	-0.04355	0.028808	0.039252	-0.029375	0.009624
76	0.026713	0.011892	0.06675	0.014516	0.01859	0.046009	-0.046655	0.023722	0.023249	0.052315	0.095255	-0.107708	-0.04618	0.10627
77	0.065911	0.072	-0.022882	-0.014178	-0.003883	-0.00749	-0.079512	0.007246	0.070434	0.005609	0.063228	-0.034923	0.095793	-0.001212
78	0.02716	0.001866	-0.005695	0.0915	0.101732	-0.006436	0.018893	-0.006161	0.054358	0.026386	-0.031971	0.112958	-0.022423	-0.044012
79	0.002226	-0.021798	0.049097	0.069685	0.087229	-0.00699	0.043815	-0.071806	-0.05016	0.027795	-0.035905	-0.145859	0.033131	-0.064441
80	0.01241	-0.053069	0.005051	0.081349	0.078222	0.003479	0.083792	0.088603	0.043105	0.036911	-0.07448	-0.046542	0.001956	0.013571
81	0.016401	0.019939	-0.03141	0.026202	0.013162	-0.019601	0.086197	-0.020661	-0.004504	-0.017735	-0.08696	0.083643	0.012003	-0.038924
82	-0.016948	0.026162	0.016576	0.026496	0.016716	-0.019254	0.088767	-0.021622	0.055604	0.069276	0.025753	-0.057143	-0.076269	-0.00043

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
83	-0.036646	-0.023693	0.01641	-0.082009	-0.064757	-0.031348	-0.014635	-0.058751	0.029145	0.071343	0.011098	-0.004242	0.052639	0.005884
84	0.027664	-0.002314	0.056253	0.065629	0.028412	0.013804	-0.056254	0.020957	-0.087523	-0.076351	0.002656	-0.013836	-0.018837	0.030235
85	-0.06813	0.026071	-0.015309	0.027193	0.055814	0.015172	-0.03573	-0.011389	0.043925	0.006604	-0.055079	-0.038656	-0.045747	0.003666
86	-0.031504	-0.053594	-0.003067	0.086566	0.096648	-0.035801	0.030822	0.015563	0.032005	-0.009555	-0.019117	0.035305	-0.035025	-0.000022
87	0.091897	-0.012179	-0.016819	0.063367	0.002989	-0.037387	0.013752	0.005651	0.024998	0.00022	0.004912	-0.090894	-0.04304	-0.05734
88	0.033241	-0.014445	-0.029738	-0.04337	0.059231	0.074732	0.031388	-0.112854	-0.052805	0.064764	0.09555	-0.060158	-0.00841	-0.032781
89	0.063174	0.104495	0.091074	0.044421	0.02024	-0.015963	-0.065634	-0.015941	-0.015013	0.041737	-0.044258	0.130504	0.009243	-0.05393
90	0.076118	-0.082725	-0.102766	-0.011307	0.001775	-0.002777	-0.083533	0.020127	0.020282	0.02141	-0.063626	-0.031455	-0.058636	-0.050508
91	-0.020643	-0.012864	-0.022707	0.061514	0.013918	-0.003071	-0.01155	-0.014367	-0.014491	0.017974	-0.021368	-0.154271	0.043068	0.051156
92	0.060709	0.035994	0.023876	-0.070975	-0.063232	0.027901	-0.032483	-0.012034	0.003594	-0.009017	-0.011523	0.014386	-0.059858	-0.052151
93	0.021092	-0.000267	-0.043439	-0.083147	-0.069994	0.001718	-0.012739	0.068456	-0.006802	0.061166	0.054215	-0.04619	0.124573	0.005963
94	-0.02679	-0.010212	0.02518	0.038323	0.040533	-0.029224	0.030546	-0.110839	0.055929	-0.014507	-0.062309	0.008856	0.072539	-0.022444
95	0.005102	0.036128	0.018438	-0.064252	-0.053854	-0.027824	-0.093128	-0.006645	-0.019276	0.045303	-0.005878	-0.040954	0.021888	0.023184
96	0.066399	0.080504	0.078582	-0.051169	-0.026001	-0.039729	-0.004121	-0.010787	0.010946	-0.007894	-0.059529	-0.035019	-0.031111	-0.053929
97	-0.024808	-0.093655	-0.033628	-0.041335	-0.044101	-0.024203	0.076514	-0.00419	-0.07109	-0.032181	0.05441	0.011315	0.048634	0.022427
98	0.014895	-0.036292	-0.013046	-0.020604	-0.03237	0.028067	0.03833	-0.017901	-0.08496	-0.042942	0.030156	-0.136964	0.025794	-0.03362
99	-0.028814	0.041264	0.012251	0.006709	0.070491	-0.018533	-0.035039	-0.016813	0.037704	-0.026333	-0.034183	0.039944	0.036912	0.0073
100	0.005512	-0.018586	-0.001534	0.016168	0.017988	-0.002615	0.018741	0.03242	0.019067	0.024298	0.00838	0.040629	0.0138	0.031258
101	0.005501	0.009509	-0.00033	-0.013385	-0.014666	-0.002016	-0.0073	0.004625	-0.006316	-0.011154	-0.011189	-0.000552	0.021916	0.00896
102	-0.002352	-0.004464	-0.014359	0.025484	0.025905	0.002838	0.007711	0.007279	-0.019815	-0.007676	0.023383	0.009937	-0.012714	0.034688
103	0.002427	0.010316	-0.028294	0.010254	-0.009122	0.021599	-0.018742	0.018583	-0.053814	-0.019116	-0.002662	0.021082	-0.030902	-0.01449
104	0.022196	-0.003949	0.021924	-0.055654	-0.04671	0.028315	-0.03972	0.020518	0.006905	0.020803	0.027475	0.020531	0.013501	0.010072
105	-0.019828	-0.004521	-0.036193	-0.05336	-0.025492	-0.024872	-0.024528	0.018294	0.038824	0.004993	-0.025328	0.006743	0.00686	0.013007
106	-0.023148	-0.036341	-0.050507	-0.024283	-0.021528	0.034861	0.036176	0.014762	0.026839	-0.01035	0.019148	-0.005804	0.013123	0.021647
107	0.024743	0.018377	-0.011191	0.005866	0.027262	0.019961	-0.023705	0.024372	0.030588	-0.010173	0.016754	0.01069	0.015923	0.017839
108	0.02121	0.015028	0.005073	-0.002889	0.03092	-0.019795	-0.040716	-0.000575	0.025076	-0.011974	-0.037996	-0.006404	0.016099	-0.025671
109	-0.007932	-0.014905	-0.044876	0.037162	0.033721	-0.010798	0.015369	0.034539	-0.030382	0.004557	-0.016332	0.019467	0.010298	0.004145
110	0.02479	0.008526	-0.003016	0.024127	0.02657	-0.014503	-0.010676	0.023295	0.01642	0.013398	-0.000254	0.009284	-0.081789	0.038477
111	-0.034427	-0.026529	-0.009394	-0.060108	-0.082152	0.000827	0.014328	0.052611	0.029078	0.020659	0.019641	-0.013182	0.018204	0.067257
112	-0.008957	-0.016047	-0.018347	0.006494	0.037331	-0.033706	0.001622	-0.01348	0.041682	0.018596	-0.011355	-0.040487	0.009762	-0.019706
113	-0.012122	0.02073	0.022865	0.001563	-0.025141	0.014225	-0.003192	0.012938	0.007423	0.004057	-0.024739	0.02536	-0.0673	0.00672
114	0.010874	0.00951	0.061268	-0.010607	-0.009443	0.023423	0.042418	-0.046572	-0.006728	0.005804	0.011694	-0.035631	0.012995	-0.029202
115	-0.003283	0.026167	-0.032867	-0.02976	-0.022688	0.013083	0.045471	0.016461	0.055176	-0.000183	-0.041146	-0.015629	0.010872	0.033453
116	-0.002056	-0.002413	0.009903	0.026034	-0.001985	-0.010598	0.02764	0.020637	0.037211	-0.005378	-0.047636	-0.053333	0.013302	0.006052
117	0.022229	0.016512	0.004495	-0.038022	-0.038609	0.020965	-0.030358	0.050398	-0.025701	0.03225	0.001427	0.00877	0.032011	0.054597
118	0.027167	0.02255	0.008676	-0.020643	-0.018732	0.045085	-0.00972	-0.016096	-0.012629	0.010778	0.015704	0.010279	0.043161	0.003389
119	0.015617	0.013054	0.023975	0.002616	0.005237	-0.001316	0.0073	-0.021918	-0.021971	0.014814	-0.003848	0.037715	0.011251	0.005006
120	0.02053	0.015765	0.008384	-0.037929	-0.027032	0.007855	-0.034815	-0.008192	0.00797	-0.005396	-0.000764	0.002949	-0.003108	-0.000546
121	-0.012004	0.001018	0.005409	-0.04674	-0.038416	0.013784	-0.009891	-0.027336	-0.011284	0.026321	0.06161	-0.035236	-0.005883	0.009942
122	0.008642	0.0153	-0.007646	0.008266	0.002006	-0.016306	-0.023242	-0.000234	0.013958	0.014914	0.012104	-0.030457	-0.047692	0.028911
123	0.007152	0.037858	-0.003362	0.012962	0.02084	-0.016172	-0.02012	0.001632	0.023299	0.048525	0.038981	-0.000593	0.0044	-0.001406

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
124	0.016151	0.025818	0.014781	-0.002739	0.017087	-0.009584	-0.009411	-0.010488	0.003208	-0.007375	0.001452	0.046619	0.008576	0.014043
125	0.007299	0.004301	0.010075	-0.020435	-0.020465	0.006715	-0.021365	-0.01073	-0.027917	-0.025532	0.008391	-0.089793	0.00029	-0.014359
126	-0.012041	0.002356	0.004314	-0.008123	-0.004186	0.007873	0.003303	-0.025889	0.012252	0.002094	0.026389	-0.010673	-0.046772	-0.006872
127	0.010286	-0.031146	-0.040148	-0.010696	-0.018991	0.011249	-0.002947	-0.008258	0.0111	0.005964	0.024158	-0.030079	0.003465	0.018023
128	-0.010309	0.02105	0.041123	0.023641	0.006502	-0.020489	-0.003154	-0.00932	0.031506	-0.012409	-0.064953	0.001192	0.012785	-0.006203
129	0.038075	0.014934	-0.01569	0.017302	-0.028124	-0.034453	-0.019852	-0.063328	0.01543	0.015134	0.063561	0.013199	0.008627	0.049768
130	-0.022391	-0.006019	-0.012869	-0.011022	-0.028584	-0.012564	0.031714	0.001012	0.025061	-0.000612	-0.00867	-0.01732	0.037745	-0.018911
131	-0.003435	0.060243	0.048489	0.008769	0.011218	-0.003423	-0.001978	0.039048	-0.021034	0.014427	0.000678	0.02164	-0.043562	-0.006461
132	0.018702	0.03811	-0.007579	-0.001121	0.024011	-0.021721	-0.037664	-0.075496	0.019549	0.020558	-0.040164	0.011395	0.049885	-0.062135
133	0.014485	-0.018091	-0.020042	0.001389	-0.025646	-0.004489	0.005959	0.007222	0.036274	0.009159	-0.009983	0.019518	0.034386	-0.064935
134	0.032352	0.002207	0.027705	-0.025373	-0.036406	0.015991	-0.022504	-0.011005	-0.063873	-0.062323	-0.045792	-0.00038	-0.035205	0.012564
135	-0.011689	-0.00976	0.020675	-0.000591	0.015934	0.004766	-0.007556	-0.002992	0.004935	-0.012678	-0.012511	0.007307	-0.013827	-0.034164
136	0.009082	0.008209	-0.003354	0.008554	0.01095	0.025849	0.034948	0.030449	-0.021963	0.011656	-0.022449	0.051565	0.003066	-0.006418
137	-0.016224	0.024864	0.017923	0.004604	-0.028202	-0.002594	0.002031	-0.042613	-0.002905	-0.048027	-0.000491	0.011541	-0.025242	-0.016413
138	-0.01277	-0.049449	0.019039	-0.005401	-0.007761	0.029942	0.04273	0.031932	-0.01042	-0.01059	0.047929	0.019583	-0.010877	0.021725
139	0.003215	-0.008996	-0.006713	0.009026	0.026655	0.012943	-0.014124	-0.045709	-0.041998	-0.014398	-0.009831	0.094112	-0.067751	-0.061704
140	-0.016691	0.001909	0.012327	0.007157	-0.020596	0.00782	-0.033865	0.034083	0.026611	0.037857	-0.000019	0.071676	0.016404	0.001089
141	-0.011437	-0.053543	-0.020067	-0.012761	0.0097	-0.015995	0.007871	-0.048091	0.038878	0.007331	-0.008789	-0.031781	-0.010075	0.005634
142	0.02141	0.031493	0.032392	-0.051673	-0.040374	-0.005464	-0.013383	0.002849	-0.001786	-0.000468	0.007116	0.030555	0.060812	-0.040583
143	0.018645	-0.009509	-0.010619	0.009228	0.00952	-0.031953	-0.027803	-0.01201	0.022645	0.009842	0.055111	0.020134	0.020984	0.013952
144	0.020736	0.000647	0.024693	-0.009392	-0.005255	-0.005089	-0.00433	0.000216	0.000012	-0.01004	0.026352	0.059173	-0.000873	0.048304
145	0.012543	0.006769	0.022838	-0.000004	-0.020362	-0.012064	-0.010694	-0.008118	-0.027635	0.011769	0.0103	0.022653	-0.023557	-0.039051
146	-0.000729	0.011414	0.025032	-0.003413	-0.001544	-0.000027	-0.009842	0.007529	0.022623	-0.00814	-0.027802	-0.022401	-0.036597	-0.031319
147	-0.018369	-0.01315	-0.00615	0.016498	0.016817	-0.012187	0.009011	0.023368	0.029965	-0.001343	-0.029636	-0.020572	0.00488	0.003949
148	-0.030179	-0.027758	-0.000405	-0.016218	-0.005715	0.026002	0.008074	0.008886	0.037421	0.023393	0.03114	-0.011315	-0.011777	0.066679
149	-0.040213	-0.001864	-0.020023	-0.016496	-0.021589	0.019594	0.019118	-0.020991	-0.017514	0.006915	-0.062234	0.013315	0.003725	0.00112
150	-0.012428	-0.010017	0.002504	-0.003564	-0.004421	0.005627	-0.009545	-0.023804	-0.027406	-0.015603	0.04372	0.032958	0.005973	-0.027607
151	0.016356	-0.001616	0.007216	-0.03276	-0.028691	0.025121	-0.001409	0.037485	-0.033496	0.00874	-0.002198	0.031309	0.014182	0.046792
152	-0.023251	-0.030916	-0.035302	-0.01956	-0.01673	0.015603	0.017389	-0.025435	-0.003286	0.026307	0.027123	-0.036944	0.007832	0.036141
153	-0.018961	0.00067	-0.035598	0.008182	0.005649	-0.011892	0.002085	0.014212	0.066319	-0.017286	0.002268	-0.004434	0.001281	0.030502
154	-0.036402	0.010166	0.016313	-0.011151	-0.006378	-0.001967	0.009256	0.023379	-0.005309	0.010369	0.007482	0.01934	0.023061	0.022951
155	-0.007191	-0.010926	-0.015231	-0.009996	-0.004254	0.011169	0.027244	-0.006411	0.007362	0.021566	0.034336	-0.002012	0.030844	0.006843
156	-0.009209	0.017937	0.036459	0.015474	0.020553	-0.000111	0.013455	0.109771	0.018094	0.029598	-0.088523	-0.006985	0.01705	-0.025935
157	-0.010128	-0.024277	0.011988	0.030796	0.002373	0.037551	0.035704	0.010912	-0.007286	-0.009455	0.06673	-0.038581	-0.025273	0.034358
158	0.022526	-0.009612	-0.01802	-0.014339	0.010588	-0.008449	-0.003177	-0.022652	0.025023	0.013894	-0.012859	-0.051258	-0.040019	-0.043439
159	-0.002007	-0.000083	0.039527	0.010902	0.020127	0.027032	-0.029314	-0.03013	-0.064002	-0.008851	-0.007782	-0.033122	0.00962	-0.017257
160	-0.00742	-0.029971	-0.028853	-0.020152	-0.016029	0.0024	0.028033	-0.050346	0.060401	-0.012987	0.013769	-0.045034	-0.000421	-0.027428
161	0.051234	-0.002658	-0.003275	0.030242	0.039286	-0.015342	0.007639	0.034091	0.015761	0.013039	0.008243	0.023107	0.018091	-0.037378
162	-0.040357	-0.011627	0.032775	0.030905	0.027793	0.016539	-0.008064	-0.009182	-0.086998	-0.018916	0.044881	0.02139	0.028351	0.022501
163	-0.016301	-0.039775	-0.018367	-0.017611	-0.012352	-0.000105	-0.021375	-0.016565	0.001559	-0.021881	-0.020665	-0.026558	-0.004605	-0.014403
164	0.002546	0.030179	0.008459	0.03486	0.031194	0.037374	0.005437	0.013584	0.018646	-0.002801	-0.049484	-0.021746	0.01502	-0.003696

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
165	-0.030283	0.005134	-0.004945	-0.017105	-0.029549	0.027183	0.009545	0.00672	0.015719	-0.024682	0.024443	-0.066836	-0.008205	0.006936
166	0.019291	0.040161	0.024325	-0.019027	-0.008174	-0.001471	0.009776	0.009446	0.039549	0.012932	-0.030955	-0.018241	0.026197	0.014028
167	-0.010149	-0.021256	-0.031973	-0.016908	-0.014989	0.034962	-0.001192	0.025351	0.005454	0.006409	-0.02806	0.01808	-0.007788	0.002967
168	0.002803	-0.026116	-0.024815	0.026375	0.001768	0.008981	-0.025922	-0.001972	-0.035435	-0.080132	0.003416	0.000894	-0.030748	-0.0174
169	0.001649	0.014214	0.008209	-0.009261	-0.01647	0.00438	-0.047933	-0.013847	0.005018	0.011845	-0.02009	0.001567	-0.014007	-0.0019
170	0.01157	0.030731	0.013849	0.007276	0.000624	0.007253	-0.020844	-0.026888	-0.012998	0.011006	-0.019504	-0.009816	-0.00225	0.003335
171	0.003699	0.005523	-0.008777	-0.023351	-0.023874	0.000686	-0.048213	-0.001924	0.018133	0.031612	-0.013305	0.00069	-0.015514	-0.003401
172	-0.011814	-0.010215	-0.004392	-0.003345	-0.010152	-0.001081	-0.008619	-0.010619	-0.008498	0.012002	-0.019934	-0.005242	-0.013561	0.003861
173	-0.064449	-0.050426	-0.040715	0.018758	-0.01	0.000767	0.009784	0.047388	0.003455	-0.016911	-0.025358	0.008996	0.01702	0.026521
174	-0.015868	-0.017179	-0.031355	-0.018464	-0.016429	0.008957	0.019508	0.001867	0.017187	0.00399	-0.002521	-0.030563	0.026718	-0.009986
175	0.019724	-0.016734	-0.0639	-0.010192	-0.011063	0.005604	0.015655	-0.011731	0.012723	0.015875	0.026309	0.034145	0.010884	0.013714
176	0.014292	0.024636	-0.027447	-0.018111	-0.006479	0.009281	-0.008748	-0.002935	0.023164	0.029542	0.004289	0.015533	0.000236	-0.013814
177	-0.005628	0.021088	0.030482	-0.012022	-0.006392	0.016904	-0.028139	0.052233	0.000919	-0.019633	-0.025448	0.001181	-0.050608	0.015694
178	-0.008227	-0.02425	-0.02245	-0.027123	-0.023753	0.012598	-0.014589	-0.002459	0.019753	-0.017752	0.077764	0.035323	-0.007601	-0.004923
179	0.00902	0.014157	0.005117	-0.019457	-0.015794	0.012625	-0.020651	0.016181	0.001373	-0.005715	0.01122	0.005768	0.013346	0.011118
180	-0.003346	-0.000651	-0.001791	0.001094	-0.000585	0.018545	0.003545	0.024111	-0.004846	-0.013329	0.024692	-0.012252	0.017531	0.017147
181	-0.009023	-0.003033	-0.014826	-0.013714	-0.011082	0.014523	0.013242	0.025974	-0.007887	-0.009886	0.005573	0.014393	0.023472	0.022326
182	0.004508	-0.006436	-0.008706	0.005335	0.006283	0.00904	0.015145	-0.000126	0.011386	0.013421	-0.013451	0.053306	0.034632	0.021164
183	0.002252	0.008106	0.005708	0.000541	-0.01038	-0.007326	-0.030531	0.024089	0.020373	0.024022	-0.030162	0.02728	-0.007721	0.03203
184	0.008048	0.003093	0.026252	-0.018753	-0.019457	-0.019014	-0.032471	-0.007596	0.003538	0.023043	-0.051458	-0.010239	0.00207	0.014842
185	0.001471	0.020477	0.027267	-0.002659	-0.004571	-0.011267	0.01902	0.024498	0.016788	0.017893	-0.011021	-0.019334	-0.042417	-0.002032
186	-0.002447	0.018094	0.008449	0.013031	0.006303	0.004226	0.045914	0.033184	-0.036596	0.012186	0.035725	-0.006178	-0.04339	-0.008185
187	-0.015493	-0.001322	0.020364	0.035905	0.023594	0.00728	-0.008449	0.013816	-0.018825	-0.005101	-0.027909	0.019728	-0.004312	0.015959
188	-0.002643	-0.000812	0.010229	0.034952	0.03859	0.002164	0.013297	0.001642	0.014391	0.004319	-0.022823	0.000015	0.00578	0.005785
189	0.019413	0.021226	0.016025	0.039785	0.058941	-0.026409	0.000517	-0.024999	0.049746	0.018344	-0.016919	0.005602	-0.014462	0.007351
190	0.02567	0.012544	0.00257	0.008168	0.001386	0.003492	-0.000037	-0.014939	0.02325	0.012015	-0.008741	0.00697	0.052668	0.030451
191	0.015114	0.018575	0.011438	-0.007013	0.00215	0.014707	0.007824	0.011423	-0.000286	0.017602	-0.004717	-0.005363	0.031289	0.036783
192	0.040565	-0.067198	-0.006501	-0.055262	-0.04672	0.000326	-0.005787	-0.054529	0.013962	0.030361	0.010195	0.022336	-0.017083	-0.009654
193	0.033623	-0.011507	-0.031204	0.002115	0.008225	0.0022	-0.031269	-0.01435	0.014187	0.010263	-0.019564	0.004594	0.049133	0.010234
194	0.004576	0.021439	-0.044197	0.029635	0.032449	-0.002928	-0.024886	0.022684	-0.010659	-0.007163	0.008351	0.018461	0.012023	0.013488
195	-0.015639	0.02342	0.014304	0.00115	-0.009224	-0.005297	0.034385	0.041367	-0.040761	0.000329	-0.002241	-0.008209	0.008986	0.022763
196	0.008887	-0.010456	-0.005605	-0.024936	-0.022417	0.000366	0.0169	-0.011667	0.001153	-0.001128	0.008634	-0.004643	0.032933	0.023231
197	0.023755	0.024718	0.041946	-0.00015	0.011076	0.003835	0.006635	-0.042175	0.050346	0.014754	-0.04016	-0.018705	0.023817	-0.015038
198	0.011057	0.038541	0.044686	-0.01861	-0.039857	-0.021524	0.004994	0.036242	-0.005584	-0.017437	0.01051	-0.038902	-0.060761	0.01159
199	0.07358	0.028891	0.004687	0.005797	-0.000549	0.016266	-0.002862	0.018423	0.043066	-0.020233	-0.026535	-0.047901	-0.030556	0.013061
200	0.001563	-0.008793	-0.012124	-0.001795	0.001758	-0.005399	0.019626	0.007981	-0.01322	-0.008891	0.037073	0.023268	0.005731	-0.020544
201	0.001805	0.023092	0.020864	0.028479	0.012826	-0.012202	-0.006476	-0.001923	0.014394	-0.01333	-0.013923	0.00168	-0.025492	-0.007656
202	-0.01325	0.005134	0.024049	-0.054237	-0.048416	-0.017478	0.007177	-0.015174	0.023911	-0.010106	0.016303	-0.024457	-0.027822	0.016951
203	0.002653	-0.013222	0.006726	0.063111	0.013711	0.014752	0.013411	-0.04347	-0.047586	0.011244	0.032405	-0.046292	-0.016505	0.016424
204	-0.015703	0.027331	-0.000886	-0.025169	-0.002974	-0.003496	0.004615	-0.025623	0.000894	-0.00042	-0.032546	-0.031782	0.004545	0.061569
205	-0.017975	-0.050192	-0.023183	-0.010699	-0.020579	0.007593	0.035472	-0.021617	0.014537	-0.051864	0.014572	0.023523	0.0175	-0.012586

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
206	0.003325	-0.032477	-0.007976	0.011904	0.01452	0.027654	-0.019966	-0.024147	-0.00814	0.023957	0.05443	-0.013283	-0.01247	-0.033644
207	-0.021652	-0.003659	-0.023914	0.003017	0.020335	0.025022	0.008298	-0.032391	0.006198	-0.030474	-0.012324	-0.02495	0.045231	0.015522
208	-0.004448	-0.005821	0.013363	0.009072	-0.015165	0.016221	0.054469	-0.035227	-0.044721	0.018289	0.039529	-0.027914	-0.0149	-0.024306
209	0.005393	-0.048768	-0.013879	-0.011515	-0.004209	0.016686	0.005049	0.024519	0.03157	0.029705	-0.053746	0.014918	0.004262	-0.025704
210	-0.018285	-0.017706	-0.005247	-0.021091	-0.006246	-0.010572	-0.036691	0.037149	0.047179	-0.002122	0.014403	0.033688	0.046306	0.036225
211	-0.034731	-0.012257	0.032997	0.001681	0.014619	-0.006089	0.005925	-0.023826	0.049029	-0.007951	-0.018239	-0.008455	0.009017	0.019142
212	0.029178	-0.023348	0.010895	0.054189	0.038621	-0.028719	0.066201	-0.007191	0.00925	0.026266	0.025892	0.001635	-0.033397	0.018831
213	0.018466	-0.013336	-0.018826	0.00817	0.021244	0.012963	0.020341	-0.040777	-0.050314	0.01396	-0.036487	-0.00164	-0.043296	-0.024755
214	0.011178	0.005572	0.002323	-0.024097	-0.01708	0.003855	-0.007766	0.017354	0.013302	0.01296	0.034629	-0.008378	0.017667	0.01665
215	0.003129	-0.030004	-0.027877	-0.071119	-0.072723	-0.005721	-0.043664	0.027985	-0.004009	-0.048047	0.06911	0.024472	0.061086	0.023126
216	-0.049367	-0.032513	-0.034488	-0.015278	-0.019988	0.023284	-0.006166	0.020413	-0.003661	-0.072107	-0.004607	0.002808	-0.028421	0.014024
217	-0.020048	-0.026545	-0.011828	-0.018701	-0.0109	0.016745	0.000535	0.028828	-0.007605	0.06062	0.012985	-0.008176	0.035972	0.087597
218	-0.018359	-0.020142	-0.02865	0.005219	0.00431	-0.006638	0.02115	0.010404	0.000192	0.011416	0.029227	-0.009206	-0.006088	0.00555
219	-0.033503	-0.028144	-0.026198	0.001535	0.002047	0.004503	0.031261	0.013881	0.00946	0.010916	0.001229	-0.032601	-0.009074	-0.021893
220	-0.003026	0.013629	-0.008043	-0.018673	-0.006156	0.006271	0.000089	0.016387	-0.000352	0.040772	-0.021893	-0.084131	0.019469	0.026059
221	0.852368	-0.060469	-0.038523	0.010113	-0.005853	0.010439	0.009123	0.008535	0.004107	-0.005364	0.017529	-0.001901	0.008858	0.012204
222	-0.055701	0.823785	-0.128706	0.00406	-0.00418	0.006446	0.042028	-0.009941	-0.004492	-0.007507	0.04115	-0.05198	0.007948	0.043437
223	-0.035322	-0.092016	0.8234	0.021807	0.018932	-0.000596	0.017028	0.022417	0.020028	0.006557	-0.004077	-0.047208	0.037153	0.034377
224	0.011082	0.003228	0.013151	0.732237	-0.236666	0.02086	-0.10961	-0.040177	-0.003992	-0.025316	0.010254	-0.023159	0.030298	0.024615
225	-0.000799	-0.007415	0.008853	-0.234423	0.733586	0.019392	-0.101425	-0.020078	-0.039758	-0.023448	0.014467	-0.028802	0.010802	0.026192
226	0.014821	0.009483	0.013145	0.016644	0.006286	0.884533	-0.060261	-0.021431	0.032559	0.011075	-0.05617	-0.008832	-0.012078	-0.026233
227	0.038296	0.049747	0.055361	-0.132701	-0.122677	-0.047707	0.702577	-0.029503	0.05485	-0.036595	-0.070002	-0.000558	-0.006563	-0.022119
228	0.010268	-0.017798	0.00437	-0.035216	-0.015652	-0.031427	-0.004205	0.693224	-0.047658	-0.006878	0.028443	-0.10113	-0.05049	-0.082374
229	-0.01648	0.002516	0.00444	0.008932	0.003508	0.03479	0.056479	-0.045654	0.605973	-0.079073	0.059663	-0.058243	-0.033313	0.021283
230	-0.00689	-0.002219	-0.002543	-0.019078	-0.014655	0.003952	-0.036909	-0.014187	-0.067743	0.795007	-0.032865	-0.00423	0.006266	0.007076
231	-0.009627	0.043587	0.02193	0.037462	0.028809	-0.055334	-0.092114	0.023187	0.077415	-0.013097	0.695783	0.044323	0.018697	-0.083218
232	0.020705	-0.011212	-0.007188	-0.027058	-0.007865	0.006032	0.017411	-0.08485	-0.022001	0.009902	0.033033	0.590559	-0.05989	0.031343
233	0.016547	0.035773	0.036994	0.016257	0.029035	0.016439	-0.00319	-0.032903	-0.047054	-0.016465	0.015078	-0.051365	0.746484	-0.075249
234	0.042403	0.050188	0.031943	0.019354	0.025328	-0.032341	-0.021299	-0.105025	0.000344	-0.023496	-0.085368	0.011393	-0.071846	0.724607
235	0.001571	0.003715	0.022138	-0.016251	-0.019596	0.00961	-0.038766	-0.046787	0.004167	0.008489	-0.077264	0.010924	-0.01779	-0.15771
236	0.020618	0.025068	0.004602	-0.005118	0.012731	0.026747	0.012881	-0.010142	0.019127	-0.022904	-0.019589	-0.061633	0.019642	0.004708
237	0.037024	0.031605	0.028959	0.013688	0.000933	0.026677	0.01162	0.01031	-0.00472	0.034575	0.00362	0.01768	-0.007424	0.005307
238	0.011585	0.007147	-0.001026	0.011279	0.018657	0.017184	0.034818	0.001871	0.034148	-0.009321	-0.041756	-0.000146	0.010167	-0.022257
239	-0.003194	-0.013525	-0.010117	0.01932	0.013974	0.005694	0.029085	-0.001495	0.047738	-0.011513	-0.052207	-0.004781	-0.013996	-0.021427
240	-0.032224	0.012137	0.018444	0.001517	0.017494	-0.007506	-0.009279	-0.012523	0.022297	0.009527	-0.018025	0.016933	-0.035127	-0.034285
241	0.019632	0.02779	0.023726	0.01828	0.030956	0.00838	0.008471	-0.020414	-0.000204	-0.006169	0.018185	0.009663	-0.118613	-0.066128
242	0.009945	-0.0065	-0.009777	0.009108	0.005156	0.023692	0.016394	-0.016745	0.002617	0.02524	-0.012897	-0.005893	-0.055697	-0.054078
243	-0.025368	-0.009913	0.006329	-0.023341	-0.030072	0.003315	-0.01504	-0.049248	0.021326	0.010028	0.008864	-0.011932	-0.039918	-0.032312
244	-0.062326	0.005413	0.022124	0.00581	-0.016715	0.02838	-0.025103	-0.00018	0.011314	-0.011088	0.033377	-0.00552	-0.000934	0.014284
245	-0.006021	0.002704	0.019611	-0.031626	-0.025637	0.042966	-0.017018	0.017287	0.002575	-0.022975	0.022748	0.02878	0.006423	0.028835
246	0.027693	0.004704	0.002882	-0.022019	-0.016104	0.04068	0.021885	0.021464	-0.03726	0.008894	0.025291	0.03154	-0.024101	-0.016661

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
247	0.009065	-0.008553	-0.028722	-0.015413	-0.013428	0.021347	0.030984	0.000555	0.007682	-0.027725	-0.00181	0.002513	-0.00528	-0.02032
248	-0.006202	-0.012941	-0.015582	-0.005343	-0.001647	0.009239	0.011078	-0.020141	0.008125	-0.025581	-0.027431	-0.104078	0.023236	-0.008803
249	0.016745	-0.077864	-0.032577	0.018296	0.021799	-0.003882	0.029125	-0.028548	-0.000653	-0.002307	-0.002638	-0.106913	-0.023894	0.010243
250	0.004302	0.013374	-0.012897	0.016027	0.028391	-0.013231	-0.017797	0.025664	0.027507	0.002409	-0.029149	0.052502	-0.000718	-0.060986
251	-0.034065	0.006986	-0.003402	0.003405	-0.007872	0.00266	-0.009419	0.020492	0.017441	0.006777	-0.001601	0.032553	-0.002499	-0.049648
252	0.006551	0.015339	0.035377	0.009887	-0.01069	-0.007455	-0.022794	-0.001335	0.012798	0.012233	-0.032405	-0.029971	-0.027221	-0.019759
253	0.008085	0.007258	-0.002964	-0.028355	-0.029765	-0.014951	-0.021562	-0.050473	-0.069526	0.025873	-0.009038	-0.06143	-0.018469	-0.000351
254	-0.004889	-0.031317	-0.085993	0.002251	-0.003925	0.040019	0.013421	0.007016	-0.006928	0.016319	0.020293	-0.022895	0.023022	0.024335
255	-0.05706	0.009995	0.009355	0.009056	0.007894	0.029593	-0.003495	-0.012503	-0.001366	-0.020873	0.011795	0.044418	-0.003547	-0.016685
256	-0.019674	0.015171	0.032305	0.006331	0.020548	0.014849	0.035524	-0.01373	-0.052242	-0.023396	0.030398	-0.002816	0.024447	-0.007636
257	0.021247	-0.000027	0.006275	0.021682	0.015387	-0.026891	-0.001702	0.024193	0.007849	-0.006509	0.006952	-0.004548	-0.006881	-0.020865
258	0.003236	-0.004474	-0.007464	-0.027939	-0.039208	-0.008581	-0.032715	0.002945	0.026906	0.004244	0.007835	0.00041	0.02247	0.010647
259	-0.00668	-0.083714	-0.070032	0.005311	0.001823	0.002227	0.023764	-0.037054	0.002915	0.003748	0.015909	-0.001374	0.001526	0.00216
260	0.021669	-0.003335	-0.003178	0.019305	-0.016654	-0.003414	-0.013666	-0.018969	-0.026131	-0.000961	-0.046483	-0.018587	-0.008054	-0.035775
261	-0.010368	0.010869	0.009145	0.009358	-0.005948	-0.005483	-0.028235	-0.029124	-0.020522	0.016992	-0.059087	0.026395	0.026437	-0.050284
262	0.019835	-0.016993	0.001332	-0.019561	-0.021007	0.003734	-0.003366	-0.012991	0.000423	0.001688	-0.019872	-0.023926	0.01629	0.00707
263	0.007741	-0.031474	-0.002126	-0.020436	-0.018155	0.00296	0.001372	-0.015603	0.013214	-0.003323	-0.01137	-0.022979	0.018941	0.008408
264	-0.007736	-0.112516	-0.068325	-0.024848	-0.003645	0.021992	0.009238	-0.022579	0.00358	0.005186	0.024001	0.006718	0.007071	0.038643
265	0.031024	-0.030816	-0.065833	-0.011773	-0.005539	0.01431	0.005823	-0.005913	0.008043	0.032449	-0.000911	-0.010285	0.031527	0.03157
266	0.013188	0.035778	-0.010217	0.003001	0.002779	0.006703	0.013665	0.006989	0.008094	0.006642	-0.042764	0.040388	0.031988	-0.019096
267	0.010193	0.024861	0.006054	0.017224	0.018605	-0.077354	-0.016282	-0.011959	-0.097899	0.037857	-0.065139	-0.033377	0.030251	-0.011564
268	0.019977	0.002197	0.015875	0.010621	-0.003238	-0.091519	-0.04884	-0.011453	0.045519	0.017975	-0.038112	-0.011715	-0.014633	-0.015449
269	0.014521	0.013647	0.015021	0.002871	-0.000816	-0.083707	-0.049407	0.002475	0.015333	0.017252	-0.043081	-0.012612	0.001653	-0.011096
270	0.022944	0.033894	0.033703	-0.013581	-0.003907	-0.07575	-0.124815	-0.006586	0.047205	0.002691	-0.054041	0.016794	0.008374	-0.015978
271	0.027848	-0.031786	-0.008432	-0.003668	-0.00152	0.004893	0.044434	-0.002373	-0.082125	0.043981	0.033211	0.062552	0.044092	0.047279
272	-0.001666	0.007485	-0.011357	0.032803	0.044326	-0.0213	0.07131	-0.042436	-0.206622	-0.01173	0.017257	-0.001841	0.031604	0.000751
273	0.013265	0.005281	0.007196	0.006912	0.016134	-0.025748	0.005591	-0.004568	-0.060959	-0.065541	0.007441	-0.001642	-0.000166	0.018942
274	0.016415	0.011355	0.010272	0.005551	0.018195	-0.016523	0.007108	-0.002187	-0.079087	-0.064941	0.008594	0.003796	0.004033	0.016154
275	-0.000057	0.009179	0.010163	-0.035296	-0.008278	0.010954	-0.121214	-0.001371	0.012905	-0.148381	-0.004788	0.021356	0.077697	0.035061
276	0.019141	0.015958	-0.004432	-0.008856	0.008862	0.031855	0.055133	-0.021388	-0.082386	-0.0028	0.009631	-0.058966	0.010599	-0.010639
277	0.01545	0.010819	0.009977	-0.010144	-0.008114	0.031587	0.025466	-0.023964	0.006552	0.01883	0.026314	0.040001	-0.005578	0.006861
278	0.017123	0.019858	0.009637	-0.027264	-0.021458	0.035712	0.015468	-0.040362	-0.005539	0.013523	0.006131	0.037321	-0.001749	0.007971
279	-0.001165	-0.001463	-0.002097	0.005301	0.019006	0.014055	0.042558	-0.017653	0.045448	-0.012029	-0.02894	-0.014034	0.024014	-0.027673
280	-0.0148	-0.003859	0.008433	-0.056978	-0.065759	-0.005443	-0.033684	-0.078732	-0.00427	0.004986	0.035975	0.021326	-0.070528	-0.016099
281	0.014977	0.008527	-0.001905	-0.000511	0.004438	0.011471	0.04505	0.029871	-0.033845	-0.008149	0.014231	0.019805	-0.021961	0.017432
282	0.009685	-0.00755	-0.018859	-0.024254	-0.01976	0.022177	0.021726	0.039564	-0.019102	-0.000525	0.036562	0.044033	-0.01174	0.039391
283	-0.001655	0.005145	-0.017205	-0.007376	0.00965	0.015442	0.03156	-0.00527	-0.010007	-0.019541	0.001836	-0.030631	0.027862	-0.02518
284	0.019398	0.006764	0.016008	0.0208	0.01918	-0.022218	0.003071	0.016725	0.000212	0.008051	0.011533	-0.011454	0.006809	-0.021117
285	0.023179	-0.012551	0.001146	0.011214	0.002857	-0.01402	0.010585	0.01883	-0.007121	0.005724	0.042003	-0.033044	0.014487	-0.002616
286	0.011421	-0.009141	-0.00619	0.0045	-0.028684	-0.005173	-0.020655	0.049506	-0.005819	0.018052	0.02912	0.019254	-0.003084	0.042197
287	0.000818	-0.005726	0.000139	-0.001656	-0.018062	-0.015936	-0.03901	0.014023	0.005811	0.005433	0.045369	0.000772	-0.001353	0.040253

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
288	0.016284	0.004325	0.024686	-0.032535	-0.039638	-0.00428	-0.023367	-0.015747	0.017475	0.005042	0.023141	-0.020149	0.045332	0.016598
289	0.028724	0.008177	0.015996	-0.019675	-0.026818	0.013689	0.002961	0.008929	-0.002506	-0.009415	0.025681	-0.002701	0.025012	0.009898
290	0.017563	0.00194	0.008523	0.015026	0.013223	0.005533	0.04143	0.002714	0.023646	0.017205	0.030721	-0.002332	0.026897	0.005215
291	0.014628	-0.000323	0.009026	0.017983	0.013638	0.006105	0.042417	0.006663	0.020115	0.021368	0.032971	0.011369	0.027638	0.008258
292	0.015498	-0.011615	-0.009561	0.008527	0.014316	0.010216	0.043519	0.020326	0.033207	0.022062	0.037703	0.012608	0.039004	0.001723
293	-0.019141	-0.00482	-0.027604	0.022149	0.019188	-0.023994	-0.015353	0.016431	0.031418	-0.005452	-0.013862	0.030572	0.012315	-0.002222
294	-0.008026	-0.01747	0.00381	0.011217	0.012701	-0.017234	-0.051167	0.014277	0.034239	-0.003912	-0.040262	0.052144	-0.005383	-0.010834
295	0.016008	0.012226	0.007956	0.038422	0.035542	0.013811	0.003246	0.032327	-0.030144	-0.024973	-0.038109	0.037166	-0.015033	0.016981
296	-0.003015	-0.019184	-0.009808	0.002838	-0.001695	-0.000675	-0.048938	-0.009523	-0.018368	-0.036601	-0.026133	0.024629	0.020917	0.032244
297	0.013618	0.008079	-0.003647	0.014223	0.018242	0.009487	0.035797	0.031618	-0.058142	-0.021375	-0.039198	0.039011	-0.009001	0.001754
298	-0.002232	0.022338	-0.007085	0.022809	0.030309	0.015216	0.040512	0.002473	-0.002902	0.010838	0.028793	0.011113	0.035165	-0.018678
299	0.005647	0.012373	-0.007394	0.006032	-0.005909	-0.014461	0.003137	0.015062	0.022651	0.013037	-0.05955	-0.008383	0.009295	0.019054
300	0.024114	0.036486	0.004887	0.0183	0.029432	0.012425	-0.022804	0.005154	0.045809	-0.001108	0.011359	-0.001002	-0.009497	-0.020778
301	-0.003194	-0.008179	0.004365	0.020461	0.009887	-0.006961	0.004386	-0.000799	0.012489	0.002728	-0.021146	-0.025901	-0.003493	-0.010529
302	-0.015385	-0.031097	-0.003683	-0.013799	-0.016701	-0.005515	-0.034293	-0.00108	0.033934	-0.005183	-0.003343	0.034879	0.012099	0.026111
303	-0.007414	-0.006053	-0.019928	-0.026046	-0.049364	-0.007601	-0.019318	-0.018122	0.006445	0.033583	-0.012846	-0.010235	0.001263	0.022631
304	-0.018954	-0.012667	-0.01711	-0.041018	-0.052455	-0.018383	-0.046667	-0.033963	0.026377	0.025063	-0.026973	-0.013369	0.030235	0.026879
305	0.012689	0.014355	-0.018471	0.01965	0.01497	0.010783	0.003778	-0.007394	-0.019834	-0.014858	0.045293	0.011888	0.013178	-0.000559
306	-0.020773	-0.000008	-0.015049	-0.011449	-0.00823	0.004369	-0.00738	0.030409	0.045282	0.002981	-0.017365	-0.00271	0.023807	-0.000838
307	0.037867	0.022577	0.000061	-0.015825	0.007054	0.016375	-0.021129	-0.024961	0.03153	-0.004176	-0.019957	-0.028227	-0.020567	0.008219
308	-0.012899	-0.026477	-0.00821	-0.034903	-0.023	-0.001889	0.024445	-0.010977	0.003906	-0.010574	-0.001861	-0.038392	0.00581	0.000389
309	-0.004469	-0.014326	-0.011691	0.005856	0.012953	-0.016062	0.005071	-0.017884	0.011983	-0.000567	-0.014038	0.008979	0.008597	-0.006934
310	0.003448	-0.01297	-0.01104	-0.011275	-0.002608	0.017439	0.003857	0.030213	0.026073	0.012252	-0.017732	-0.001511	0.042885	0.029606
311	0.012484	0.002128	-0.000238	0.026848	-0.000095	-0.003686	-0.000969	-0.017866	-0.06001	-0.019512	0.048823	0.006144	-0.020551	0.007213
312	0.017035	-0.005015	-0.040783	-0.003535	-0.003172	-0.037392	-0.00011	0.0162	-0.036295	-0.025441	-0.04169	-0.034118	-0.043011	-0.044026
313	-0.000641	0.012419	0.004433	0.007421	-0.000245	-0.007673	-0.014573	-0.012212	-0.017941	0.00138	0.010778	0.009334	-0.01923	-0.032563
314	0.025547	0.018112	-0.020152	0.011908	0.038311	0.013272	0.004118	0.002609	0.012608	0.00688	-0.027333	0.044516	0.06009	0.00042
315	0.009595	0.021938	-0.003989	-0.00086	-0.002459	-0.002563	-0.017403	-0.023087	-0.009634	0.011173	0.001212	-0.003921	-0.008038	-0.00483
316	-0.04176	0.007369	0.011299	-0.028591	-0.031699	0.023702	-0.024696	-0.048786	-0.002227	-0.017611	0.051304	0.035406	0.012706	-0.038256
317	-0.007405	0.00316	-0.0158	0.028167	0.034929	-0.00045	0.015064	-0.007812	-0.014692	-0.002305	-0.013321	0.004426	0.03387	-0.001863
318	-0.017271	-0.024568	-0.04338	0.012171	0.020218	0.004282	0.003476	-0.019983	0.012832	0.00789	-0.001053	-0.032595	-0.011125	0.018255
319	-0.016921	-0.007686	-0.02177	-0.017806	-0.023817	0.005291	0.00159	0.004367	-0.008787	0.00858	0.007982	-0.006192	-0.000311	0.010498
320	-0.017264	-0.020609	-0.025908	-0.023815	-0.020547	-0.000205	-0.003584	0.004534	0.031237	-0.001808	0.043214	0.016251	0.012779	-0.010801
321	0.034034	0.016467	0.029758	-0.014935	0.007274	-0.003972	-0.03295	-0.033787	0.018827	0.002207	-0.002726	0.010676	-0.008091	-0.00333
322	0.037355	0.016506	-0.007197	0.012479	0.006203	-0.003416	-0.00816	-0.033051	0.061382	0.001887	-0.04646	0.013477	-0.006835	0.007264
323	0.029999	0.010996	0.004086	-0.01863	-0.008959	-0.013585	0.01423	0.03968	0.025494	0.005439	-0.058614	0.0293	0.004734	-0.030128
324	0.002644	0.002771	0.007751	-0.010302	0.018011	-0.012842	0.023593	-0.047013	0.050106	0.022342	0.033031	-0.024766	-0.014209	-0.028721
325	-0.007618	-0.004439	0.005975	-0.00163	0.015663	-0.032132	-0.01512	-0.08099	-0.012228	-0.003691	0.005686	0.015065	-0.004094	-0.014809
326	-0.012958	0.007812	0.035741	0.022402	0.029811	-0.016294	-0.032649	-0.011234	0.027168	-0.013857	-0.009315	0.043879	0.007291	0.041906
327	-0.006416	-0.032377	-0.022555	-0.004042	-0.001997	0.01218	0.026462	-0.00225	-0.019903	0.00978	0.011804	-0.020435	0.013462	0.024358
328	-0.000836	0.000382	0.037279	0.005451	-0.010145	0.024251	0.045884	-0.036501	-0.014612	-0.029789	0.040057	0.000693	-0.023793	-0.008446

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
329	-0.014783	-0.032604	-0.006776	0.016599	-0.001755	0.010782	0.031508	0.023154	-0.01536	0.015334	0.013889	-0.014076	-0.015926	0.038704
330	0.027921	0.016288	0.024975	-0.031936	-0.013308	0.008622	-0.003398	0.00791	-0.007206	-0.004485	0.052942	0.017478	-0.001336	0.031449
331	0.007344	-0.03024	-0.008167	0.001855	0.004685	-0.00408	0.004712	-0.005641	0.002301	0.02479	0.027421	0.015583	-0.008864	0.00307
332	0.000746	0.013815	0.030588	-0.002885	-0.013686	0.002884	-0.005345	0.052746	0.026117	0.013711	0.02054	0.044059	0.004105	0.007131
333	-0.001076	-0.017605	0.012382	-0.00332	0.013913	-0.006115	0.004715	-0.039808	0.002509	0.002106	0.005602	-0.008798	-0.020714	-0.009915
334	-0.010746	-0.017129	-0.001421	0.037519	0.042363	-0.022413	-0.028545	-0.022972	-0.00933	-0.005812	-0.0055	0.001883	-0.026165	-0.050663
335	-0.008623	-0.006508	0.000928	-0.024428	-0.007651	-0.00151	0.006719	0.001697	0.008781	-0.000647	-0.000287	-0.005496	-0.016426	0.003512
336	0.008853	0.014616	-0.002012	0.017916	0.018304	-0.013926	-0.005642	-0.016456	0.004426	-0.011653	-0.020134	-0.016847	0.024616	0.019084
337	0.018841	0.028745	0.016992	0	-0.026229	0.011022	0.010039	0.019596	-0.02632	0.008771	-0.011827	-0.015552	0.026534	-0.019586
338	-0.035176	-0.013505	-0.022814	-0.000174	-0.02012	-0.001303	0.000372	0.079178	-0.018375	-0.021636	-0.002507	0.014142	-0.000845	0.026869
339	-0.004857	-0.030861	-0.014212	0.01678	-0.022885	-0.017963	-0.006444	-0.027446	-0.006816	0.028434	0.045837	-0.065746	0.049783	0.027968
340	-0.015623	0.031872	0.008973	0.043781	0.027705	-0.016699	0.009377	-0.024879	0.00324	0.001505	0.001866	0.030645	-0.047444	0.00529

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
1	-0.057368	-0.049294	0.002694	-0.071042	-0.086662	0.00051	-0.058205	-0.081367	-0.054429	0.008741	-0.039139	-0.013032	0.01645	-0.002943
2	0.00424	0.024843	0.086424	-0.005539	-0.045435	0.026657	0.073867	0.0795	0.045229	0.003734	0.050498	0.079345	0.03237	-0.016553
3	-0.093629	0.030495	0.024276	-0.006331	0.015695	-0.003953	0.047815	-0.009025	0.015977	0.048056	0.057643	0.005092	0.019047	0.005125
4	-0.025723	0.016171	0.009961	-0.068394	-0.072392	-0.006507	-0.024332	-0.011759	0.026056	-0.001957	0.058453	-0.056339	-0.047002	-0.004454
5	0.04876	0.019717	-0.00874	0.057978	0.012999	0.00848	-0.003012	0.017993	0.04706	-0.003392	-0.007641	-0.021269	0.037006	0.103374
6	0.065512	0.053766	0.023494	-0.004306	-0.001681	-0.007081	0.003949	0.070181	0.021527	-0.053011	-0.067879	0.038143	0.083433	0.044858
7	-0.015093	0.021755	0.027108	-0.042878	-0.045453	0.012167	0.068489	0.0327	0.038748	0.013873	-0.064654	-0.068225	-0.051999	0.018754
8	0.057297	-0.008707	-0.013119	-0.026947	-0.032108	-0.002113	0.038136	-0.011036	-0.044682	0.011955	0.005397	0.004013	0.004842	-0.02354
9	-0.001666	0.036464	-0.034108	-0.015809	0.021199	0.008822	0.014177	0.011916	-0.057159	-0.004928	0.038463	0.025394	0.053935	0.053554
10	-0.005984	-0.022607	-0.005299	0.055884	0.089854	-0.046314	-0.030382	0.005666	0.037195	-0.01391	-0.022308	-0.001813	-0.019346	-0.024202
11	-0.012575	-0.015391	0.000327	-0.006898	-0.021192	0.039501	0.008247	-0.07974	-0.041428	-0.006829	-0.008553	0.020811	0.008391	-0.015724
12	0.030088	-0.027005	0.040777	-0.003817	0.004228	-0.013064	0.018542	0.045239	-0.003728	0.028795	-0.029409	-0.041806	-0.032702	-0.048993
13	0.013477	0.030319	0.057851	0.020526	-0.052063	0.030764	-0.010338	0.01926	0.035666	-0.008939	-0.011819	0.021077	0.02334	0.027647
14	0.019745	-0.000361	-0.036939	-0.010165	0.020962	0.050334	0.034233	0.013722	-0.043421	0.048889	0.043253	0.04456	-0.012152	-0.011154
15	0.01055	0.034846	-0.005905	0.018652	0.009275	0.03138	0.062322	0.020795	0.006094	0.002794	0.022846	-0.039976	-0.086167	-0.039864
16	-0.071243	0.026719	-0.013948	-0.00873	-0.019243	-0.009987	-0.029847	-0.004644	-0.077131	0.035433	0.019934	-0.017313	0.009611	0.027004
17	-0.058717	-0.022115	-0.014277	0.036103	0.035269	0.024224	-0.044869	-0.032487	0.051403	-0.015348	-0.072426	-0.025897	0.015955	-0.006425
18	-0.033211	-0.016919	0.040895	-0.057485	-0.00144	-0.088868	-0.055072	0.030593	0.027481	0.031099	-0.025759	-0.00987	-0.005545	-0.045668
19	0.070044	-0.087119	-0.056486	-0.021791	-0.008215	0.047437	0.008058	0.025494	0.108101	0.000047	-0.059092	0.002961	0.003535	0.048625
20	0.073899	0.085767	0.00721	-0.01335	0.019751	-0.012683	-0.009715	0.059798	-0.052462	0.026245	0.014745	-0.026251	0.003583	0.025183
21	0.040364	-0.012495	-0.043428	0.003735	0.028404	-0.004346	-0.049403	0.007021	-0.000591	0.018584	0.026978	0.052232	0.018248	0.039796
22	-0.011281	-0.039425	-0.061973	-0.077199	-0.041778	0.000088	0.019475	-0.070752	-0.097825	0.00369	0.021944	-0.013513	-0.029616	-0.041637
23	0.054252	-0.05215	-0.004553	0.092031	0.095865	-0.021354	-0.048734	0.00114	0.019802	-0.098921	-0.0851	0.004677	0.047587	0.031618
24	-0.069314	0.027717	0.0132	0.007972	0.015102	-0.055587	-0.059941	-0.023621	-0.051734	-0.014855	-0.058748	0.001198	0.039796	-0.012911
25	0.031555	0.019277	0.057254	0.046351	0.029787	0.025817	-0.00294	-0.018137	-0.020836	-0.026225	-0.010735	-0.032894	-0.018028	-0.03494
26	-0.060117	0.031476	-0.009446	0.000851	-0.008236	0.006917	-0.020575	-0.077337	-0.079805	-0.08451	0.076135	-0.000959	0.008563	0.059936
27	0.042028	-0.115683	0.076949	0.031457	-0.006517	-0.013682	-0.033204	-0.01512	0.041091	0.008617	-0.064489	0.054675	-0.066322	-0.066617
28	-0.0336	-0.07805	0.072286	0.061122	0.018238	0.078877	0.085417	-0.025278	-0.023818	-0.024456	-0.000379	0.030012	-0.013647	-0.047759
29	0.027607	-0.036613	-0.018069	-0.005278	0.00369	-0.021259	-0.004708	-0.031891	-0.062585	-0.028591	-0.029675	0.011961	0.023553	0.016404
30	-0.058607	-0.004633	0.046426	0.010003	-0.022466	-0.092677	-0.067626	-0.05205	-0.104087	-0.03675	-0.061146	0.044394	0.019643	0.017722
31	0.006074	0.002407	0.03144	0.001287	-0.022279	-0.04471	-0.05131	-0.011643	-0.054592	0.008052	-0.025542	-0.008674	-0.027244	-0.029771
32	0.051329	0.03322	0.013075	0.015905	-0.02292	-0.043742	-0.046832	0.031828	0.062899	0.023786	-0.028724	-0.050924	-0.004743	0.037525
33	0.044886	0.103261	-0.027332	-0.020182	-0.006541	0.003462	-0.026979	0.100949	0.015635	-0.041924	0.000047	0.003026	0.001846	0.017866
34	0.074721	-0.05746	0.044894	-0.000925	-0.010196	0.059515	0.051396	-0.024204	-0.039998	0.011815	-0.025787	0.005719	-0.017626	-0.046504
35	-0.01438	-0.006764	0.027043	0.015721	0.005169	-0.122916	-0.077003	0.054463	0.084345	0.060416	0.054156	-0.030715	-0.074993	-0.060557
36	-0.052973	-0.013625	0.028784	-0.013625	-0.028099	0.041902	0.009631	-0.048334	0.051211	0.001529	0.006283	-0.020015	-0.028232	-0.022807
37	0.055746	-0.052765	0.068877	0.009882	0.006682	0.008414	0.03937	-0.010907	-0.04763	0.042858	0.087719	0.014071	-0.026977	-0.033529
38	-0.080564	0.026688	0.037219	0.03705	0.019061	0.016558	-0.025472	0.020615	-0.032268	-0.040809	-0.026801	0.053667	0.035695	0.029049
39	-0.00366	0.01136	0.032208	-0.027866	-0.004513	-0.019401	-0.019071	-0.067851	0.045306	0.005564	0.069538	0.003132	-0.008497	-0.006566
40	0.037621	-0.001214	0.052686	0.011927	-0.041034	-0.057228	-0.018826	-0.004845	-0.035818	-0.055561	-0.002984	0.059681	0.028209	0.005539
41	-0.104515	-0.003453	-0.056665	0.020304	0.017945	0.061359	-0.022859	-0.029559	-0.021418	0.026431	-0.027758	-0.049914	-0.017745	-0.044029

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
42	0.00431	0.01693	-0.00192	-0.007152	0.001008	-0.004554	-0.000469	0.011893	-0.01317	0.001122	0.004309	-0.005756	0.002277	0.005545
43	-0.050546	-0.09755	-0.025588	-0.017492	-0.042088	0.010697	0.043462	-0.009487	-0.010216	0.009803	0.001886	-0.044711	-0.057238	0.020629
44	0.002706	0.055478	-0.000433	-0.011813	-0.003869	-0.039886	-0.032927	0.049078	-0.021682	-0.02537	-0.010003	0.057588	0.047143	0.020474
45	0.095698	0.020324	-0.049771	0.032788	0.091745	0.053638	0.070862	0.038056	0.05247	-0.008675	0.009452	0.029451	0.047709	0.080958
46	0.066037	0.0482	-0.018829	-0.011635	-0.007639	0.002984	-0.025313	-0.020002	0.035443	0.081578	0.071412	-0.02301	0.010198	0.028609
47	0.059745	0.002038	-0.080267	-0.084237	-0.031633	-0.024436	-0.023248	0.061461	0.05669	-0.000723	-0.032383	-0.01621	0.017703	0.038308
48	0.005289	0.000623	0.06587	-0.007066	-0.000421	-0.014025	0.002171	0.03837	-0.038322	-0.004327	-0.027644	0.020098	-0.056014	-0.052239
49	0.011488	-0.006093	-0.005656	0.007145	0.030406	0.07254	0.021097	-0.039941	-0.023315	0.023223	-0.014012	0.016458	0.009654	0.017266
50	-0.004674	-0.054303	-0.111881	-0.015349	0.045592	0.01246	0.040284	-0.043281	-0.003194	0.045318	0.005269	0.000325	0.061481	-0.024592
51	-0.041177	-0.021935	0.030497	-0.094832	-0.088765	0.07201	0.137304	0.000519	-0.059863	-0.055154	-0.060598	-0.011518	-0.018676	0.002702
52	-0.037877	-0.029655	-0.013059	0.072079	0.02769	-0.031912	0.014565	-0.045734	0.025537	-0.044214	-0.051192	-0.005203	0.013864	0.052092
53	0.05044	0.123156	0.05434	-0.062113	-0.097338	0.031163	0.026311	0.001119	-0.059893	0.013131	-0.007391	0.066478	0.039895	0.105839
54	0.081898	-0.059391	-0.072006	-0.077276	-0.077689	0.032232	-0.000337	0.09274	-0.024115	0.053915	-0.043436	0.02401	-0.021786	-0.035684
55	-0.048333	0.039558	0.048585	0.027594	-0.024007	0.036562	0.076881	0.039656	0.005069	-0.017035	-0.021691	-0.007728	0.003239	-0.021356
56	-0.055491	-0.013593	-0.035548	0.005399	0.04818	0.018689	0.070665	-0.028167	0.015914	-0.053766	0.08966	0.071123	0.047294	-0.000183
57	-0.01339	0.003327	-0.021752	-0.026595	-0.004267	0.020353	0.073902	0.001808	-0.040424	-0.12803	-0.000042	0.073155	0.014282	-0.00372
58	0.103829	-0.020625	-0.076252	0.033869	0.058569	0.061848	-0.0203	0.000984	0.005418	-0.048505	-0.049523	-0.029425	-0.022298	-0.055532
59	-0.088104	0.032657	0.078549	0.009738	-0.051548	-0.027643	-0.003977	-0.035573	-0.011223	-0.064616	0.029841	0.022476	0.024603	0.00503
60	-0.129632	-0.045715	-0.056699	0.002969	0.02636	0.060962	0.033428	-0.085439	-0.057702	0.096451	0.026942	-0.109193	-0.05522	0.008045
61	0.007015	-0.003868	-0.020139	0.08041	0.05477	0.028636	0.012595	-0.014556	-0.012362	0.025275	0.039767	-0.066442	-0.012884	-0.015903
62	-0.044358	0.042083	0.024781	0.058768	0.048085	-0.009373	-0.046831	-0.019034	-0.03239	0.040841	0.026275	-0.080929	-0.104579	-0.067511
63	0.099111	-0.000888	-0.039456	0.027208	0.011041	0.032259	0.054247	0.044323	0.127229	0.004431	0.010867	-0.054325	-0.047028	-0.026778
64	-0.035725	-0.012814	-0.010027	-0.010169	0.003982	-0.01054	-0.025895	0.003399	-0.009295	0.025893	-0.082365	-0.036445	-0.005911	-0.01344
65	0.04957	0.001959	0.014089	0.057744	0.037381	-0.060007	0.043233	0.034226	0.046815	-0.077397	0.020704	0.074168	0.014467	-0.045578
66	0.047184	0.027165	-0.000694	0.040389	0.058938	-0.051045	0.013637	-0.05793	-0.038681	-0.069563	-0.060443	-0.058172	0.028361	0.026398
67	0.000338	-0.014945	0.03396	-0.091175	-0.073291	-0.078974	-0.044397	0.066358	0.012335	0.023645	0.023503	-0.028425	-0.016409	-0.047389
68	0.001988	-0.017008	-0.026798	0.012565	0.04337	0.016047	0.030453	0.044863	-0.005502	-0.034051	-0.028645	0.003339	0.026149	-0.005621
69	-0.086107	0.014482	0.003222	-0.054973	-0.05141	-0.10981	-0.069317	0.031469	-0.031872	-0.005492	-0.021117	0.04592	-0.029192	-0.050437
70	0.034096	-0.028893	0.069131	0.061041	0.010381	-0.050449	-0.017821	0.066211	0.012769	0.017122	-0.028026	0.024802	-0.039163	0.008386
71	-0.025955	0.031769	-0.038094	0.04971	0.042148	-0.036828	0.066036	0.048509	-0.002972	-0.040621	-0.040002	-0.048371	-0.006137	0.034465
72	-0.018333	0.012269	-0.029343	-0.025105	0.01065	0.005903	-0.031718	0.007568	-0.047386	0.022991	0.025988	-0.025579	-0.058787	-0.013391
73	0.062303	0.032334	-0.011285	-0.03096	-0.006958	0.080959	0.067579	0.013393	-0.035439	0.051969	0.145947	0.060712	-0.00674	-0.046414
74	0.081174	-0.007626	0.039404	0.013955	0.046902	-0.067727	-0.033508	-0.024409	0.034878	-0.011283	0.006627	-0.019482	-0.006149	0.055132
75	0.003239	-0.01737	0.047419	0.043538	0.043192	0.057588	-0.023587	-0.155278	0.008532	-0.015873	-0.035352	-0.077741	-0.019557	0.00768
76	-0.027893	0.016349	0.013623	-0.032186	-0.036317	0.104516	0.066745	-0.090922	-0.082397	-0.036663	0.026587	0.007413	0.066877	0.052317
77	0.062419	-0.008851	-0.04818	-0.069524	-0.02702	-0.007501	-0.034166	0.088086	0.073039	-0.015072	0.00761	0.044524	-0.008658	-0.021678
78	0.006438	-0.051133	-0.030553	-0.048138	-0.012309	-0.030117	-0.037522	-0.041707	0.008228	0.03078	0.027101	-0.030862	-0.059151	-0.002574
79	-0.008539	-0.02551	-0.054377	0.052406	0.070833	-0.001737	0.026897	0.00304	-0.025418	0.017687	0.039052	0.004195	0.02094	-0.029597
80	-0.045539	0.0229	-0.000193	-0.037747	-0.032576	-0.015729	0.026085	-0.040555	-0.021641	0.027907	0.022397	-0.002398	0.012113	0.001119
81	0.004927	-0.002271	-0.061881	-0.014753	0.033437	0.009475	0.025427	0.05224	0.044519	0.073242	0.017798	0.008951	0.031248	0.013446
82	0.011719	-0.013813	-0.051061	-0.033112	-0.042954	-0.041045	-0.028182	0.054791	0.036309	-0.012275	0.016572	0.047447	-0.021494	0.011522

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
83	0.017705	0.012305	0.00414	0.004356	0.00287	-0.005959	0.071398	-0.02405	-0.029285	0.042666	0.035784	-0.077144	0.007409	0.011771
84	-0.075924	0.011215	-0.033871	-0.023537	-0.011744	0.007588	-0.006184	0.032262	0.079697	0.031949	0.027602	-0.007389	0.097003	0.00961
85	-0.039364	-0.082793	0.022234	0.04691	0.025191	0.01558	-0.014391	0.001261	0.035284	-0.059186	-0.001231	0.038865	-0.023705	0.009381
86	0.030602	0.042842	0.021233	-0.01518	-0.027991	-0.052822	-0.058224	-0.045318	0.039971	0.004577	-0.031918	-0.001098	0.078412	0.069307
87	0.047147	-0.023901	-0.004499	-0.022902	-0.064214	0.042051	-0.002889	-0.043214	-0.003251	0.002605	0.018458	0.022762	-0.006233	-0.017612
88	-0.023933	-0.09859	0.039086	0.01434	0.015014	-0.005888	-0.085973	0.02034	0.123821	0.038442	-0.002892	-0.061452	-0.023805	0.035203
89	-0.028126	-0.00133	-0.027954	0.054737	0.03439	-0.082546	-0.04086	-0.013201	-0.08703	-0.009965	0.068446	0.075164	0.042555	0.069904
90	-0.000202	0.015832	-0.072461	-0.040652	0.040751	0.097014	0.00601	0.011699	0.048632	0.050198	-0.047922	0.019405	-0.002089	-0.040041
91	-0.006567	-0.028346	-0.013504	-0.042826	-0.000808	0.013268	0.008749	-0.032441	-0.048799	-0.017972	0.000832	0.014281	-0.00256	-0.083814
92	-0.065874	-0.019912	-0.004113	0.006739	-0.025933	0.015819	-0.061926	-0.072042	-0.033644	0.001289	-0.027877	-0.006945	-0.004189	0.034974
93	-0.001079	0.083089	-0.011503	-0.005322	0.027055	-0.029113	0.043987	0.050248	0.086189	0.006305	-0.129064	-0.004646	0.075622	0.0559
94	-0.106465	0.053215	0.01024	-0.005165	0.021647	0.034414	0.100237	0.02809	0.009665	-0.02996	-0.053274	0.014562	-0.007558	-0.057806
95	0.05092	-0.029247	0.011501	0.033493	0.021976	-0.005408	0.093914	0.056912	0.019104	-0.014101	-0.012408	-0.007829	0.037007	0.056196
96	-0.002108	-0.022344	-0.035906	-0.009258	0.027081	-0.067703	-0.066435	0.051508	0.03007	0.031156	0.03067	0.014751	0.024784	0.017012
97	-0.025241	0.04261	0.072193	0.022916	0.027091	0.004431	0.041262	0.035812	-0.020849	0.026228	0.035858	0.059975	-0.019811	-0.032915
98	-0.032352	-0.01991	-0.077123	-0.028447	0.009077	0.055747	0.056515	-0.003505	-0.030464	-0.000541	0.043294	-0.021497	-0.060503	-0.056057
99	-0.041742	0.007054	0.039561	0.053804	0.094518	-0.065939	-0.049991	0.029156	-0.008042	0.045573	0.036557	0.075597	0.075421	0.030199
100	0.003623	0.036117	0.008085	0.034162	0.018928	0.01817	0.029332	-0.014577	-0.011228	-0.007057	-0.002717	-0.014223	0.011926	0.028675
101	0.008789	0.012053	-0.013821	-0.021838	-0.003932	0.005852	0.01638	0.017959	-0.011457	0.010612	0.017017	0.004783	-0.001044	0.002162
102	-0.020912	-0.026947	0.013198	-0.021136	-0.025532	0.023433	0.005856	-0.038472	-0.011561	-0.010794	-0.038112	-0.005785	-0.007197	0.014733
103	-0.052315	-0.030081	0.040017	-0.010356	-0.023771	0.01328	0.012352	-0.05967	-0.041585	-0.029363	-0.017858	0.000862	0.001608	-0.001283
104	-0.016657	0.030066	-0.015923	-0.019985	-0.006334	-0.015503	0.012198	0.029532	0.00872	0.000347	-0.038379	-0.018629	0.016653	0.020439
105	0.004495	-0.003446	0.009862	-0.000849	0.034298	-0.018899	0.010803	-0.048005	0.026269	0.001604	-0.011731	-0.026286	0.006576	0.026663
106	-0.019517	0.008874	0.030328	0.030446	-0.010615	-0.012165	-0.010748	0.017995	-0.001286	-0.013547	-0.062704	0.026873	-0.012977	-0.003229
107	-0.005228	-0.013954	0.030465	-0.023943	-0.03121	0.015418	-0.011932	0.019891	-0.001793	0.016458	-0.034368	0.007111	-0.028464	-0.034384
108	0.012324	-0.054478	-0.020469	-0.01029	0.027458	0.027373	0.006537	0.001673	0.034559	0.029594	-0.013783	0.035101	0.008367	-0.035233
109	-0.033233	0.020788	-0.003098	-0.012071	-0.004894	0.013332	-0.003291	-0.000176	-0.007177	0.041019	0.029009	0.006722	0.025236	0.01557
110	0.126078	0.044722	0.005906	-0.001278	-0.020136	0.004853	-0.020128	0.070547	0.083152	0.011178	-0.049174	-0.017637	0.016977	0.025675
111	0.008289	-0.02696	0.01306	-0.009653	-0.027229	-0.027229	-0.015751	-0.018958	0.03971	0.004176	-0.012825	-0.021003	-0.01979	-0.034135
112	0.024539	-0.01139	0.009342	0.015837	0.00675	0.024291	0.023583	-0.010646	-0.004687	0.019177	0.008779	0.034396	0.018412	0.01063
113	0.001111	-0.04329	-0.013716	-0.001715	-0.003976	-0.022103	-0.024921	-0.033814	0.037153	-0.007102	-0.011068	0.003019	-0.026784	0.005296
114	-0.023105	-0.01319	-0.017366	-0.0508	-0.025775	0.004386	-0.001661	0.028213	-0.000569	0.001898	-0.01738	0.039717	-0.008184	-0.025707
115	0.031743	0.020329	0.047766	-0.005958	-0.015328	-0.010409	0.006796	0.014102	0.021608	-0.003163	-0.003835	0.002362	-0.00898	-0.005222
116	-0.047441	-0.020273	0.014349	-0.001197	-0.019103	-0.025107	-0.033448	0.013	-0.007329	-0.015112	-0.000734	0.0239	-0.013537	-0.030474
117	-0.025528	0.013916	-0.00349	0.023945	0.029822	-0.015801	0.008017	-0.017372	0.022809	0.002064	-0.000516	-0.015188	0.015456	0.015849
118	0.012827	0.013525	-0.053865	-0.029813	0.013765	0.042837	0.023203	0.005666	0.015728	-0.000323	0.038379	-0.003564	0.000532	-0.016382
119	-0.003252	0.040245	0.020955	0.012291	0.007573	0.008739	0.023047	-0.025122	-0.018726	0.017668	0.042866	0.005563	0.027484	0.009931
120	-0.022612	0.004341	0.002201	0.014807	0.013179	0.010915	0.012169	-0.015046	-0.014365	-0.004619	0.000176	0.009507	-0.010086	-0.003744
121	0.007395	0.00369	0.031185	0.019007	0.00121	-0.018211	-0.011082	-0.022034	0.006025	-0.008139	-0.004345	-0.022426	-0.017998	0.011818
122	0.034347	0.006039	-0.015042	0.0127	0.002948	-0.001814	-0.019106	0.005513	-0.017004	-0.003215	0.005477	0.009158	-0.010709	-0.014255
123	0.037222	0.01588	0.013534	-0.001937	-0.006845	-0.03426	-0.007361	0.028741	0.015795	0.001419	0.024416	-0.003101	-0.005312	-0.013125

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
124	0.032398	0.009097	0.018128	0.018623	0.012004	0.013923	0.005473	0.004936	-0.001935	0.012723	0.032426	0.001848	0.006563	0.020561
125	-0.006545	-0.034855	-0.01729	-0.002199	0.0067	0.025058	0.027636	0.010285	0.023678	-0.0113	0.000892	-0.019546	-0.019116	-0.024364
126	0.016327	-0.002814	0.015602	0.006615	-0.00911	-0.040099	-0.054433	-0.008048	0.003514	-0.017622	0.022475	-0.012802	-0.011189	0.019204
127	0.034633	0.017731	0.00855	0.005721	-0.004291	0.003131	0.000368	0.004479	-0.011867	0.000805	0.026007	-0.006642	0.010428	0.023791
128	-0.012546	0.013981	0.032797	0.018164	-0.010482	-0.005926	0.023544	0.017067	0.006435	-0.027222	-0.015904	0.015085	0.009681	-0.012622
129	0.051302	0.016548	-0.017443	0.03392	0.019116	0.017222	0.01828	0.034885	0.013246	-0.017136	-0.001637	-0.009092	-0.01316	0.000873
130	-0.025998	0.020029	-0.001534	-0.004091	-0.001738	0.039213	0.031211	-0.022408	-0.020769	0.006925	0.044405	0.008887	0.01218	-0.020157
131	0.000989	-0.01011	0.020396	0.012833	0.011271	-0.044549	-0.036168	-0.008247	-0.001052	-0.008485	0.010959	-0.023882	-0.007027	-0.00368
132	-0.013292	-0.030525	0.016879	-0.02167	-0.004518	0.021469	0.019074	0.007946	0.019595	0.024792	-0.02806	0.006267	-0.018113	-0.062174
133	-0.028884	0.007794	0.031394	0.003791	-0.018693	0.026392	0.000295	-0.02126	0.030917	0.001791	-0.000487	-0.018346	0.002631	0.021941
134	0.020617	-0.013684	-0.027613	-0.037052	-0.029259	0.025582	-0.020289	-0.035971	0.011251	0.002504	0.023149	-0.003021	0.016361	-0.013614
135	-0.048503	0.000966	0.016011	0.026444	0.018595	-0.015746	-0.016771	0.000847	-0.001793	-0.000398	-0.00966	0.007239	0.004495	-0.008401
136	-0.020592	-0.005473	-0.023815	-0.004317	-0.002958	0.011009	-0.009743	0.010756	0.029152	0.015258	0.016896	-0.030312	-0.017206	0.00463
137	0.0081	0.01248	0.015009	-0.016096	-0.023466	0.011483	0.012049	-0.015166	-0.014381	-0.039219	-0.008406	-0.0085	-0.00238	0.011723
138	-0.006181	0.000923	-0.021779	0.004584	0.034559	-0.016897	-0.014393	-0.002232	-0.007937	0.000519	-0.014934	-0.004467	0.008682	0.0053
139	-0.032496	-0.002499	-0.010092	-0.019254	-0.011131	0.029389	-0.03231	-0.07567	-0.063101	0.054254	0.022472	-0.034252	-0.045246	-0.001564
140	-0.032822	0.023835	-0.030058	0.00749	0.020614	-0.005851	-0.027403	-0.021014	0.001512	0.016912	-0.050492	-0.032471	0.013054	0.000416
141	-0.021745	-0.001004	-0.006476	0.019958	0.014995	-0.015637	0.029966	0.001067	-0.002544	-0.000178	-0.013221	0.005541	0.000575	-0.020621
142	-0.049384	0.012172	0.010904	0.015352	0.007648	-0.023802	0.008769	0.029599	0.020781	0.007314	-0.008159	-0.009863	0.014772	0.026274
143	0.005718	-0.022388	0.006712	0.015062	0.006483	0.026978	-0.025234	0.010455	0.000094	0.00531	-0.040102	0.020413	-0.012751	0.005376
144	0.029276	0.001947	0.002643	0.02939	0.011677	-0.01228	-0.003745	0.010878	0.030927	0.014216	-0.056349	-0.024022	0.024756	0.039729
145	-0.03269	0.03321	-0.008199	-0.031858	-0.028971	-0.030496	-0.039247	0.033614	0.023789	0.018536	0.010706	-0.007411	-0.004596	0.009338
146	-0.023214	0.002989	0.000954	0.003609	0.001922	-0.01397	-0.00372	0.003836	-0.007465	-0.00768	-0.009868	0.006049	0.013553	-0.007558
147	0.002896	0.015199	-0.006572	0.017641	0.008197	-0.021276	0.010988	-0.000357	0.004344	-0.011379	-0.003456	0.030703	0.018246	-0.000767
148	0.016593	-0.004236	0.014106	0.014281	0.001877	-0.048339	-0.049577	-0.009683	-0.0023	-0.02175	-0.024636	0.008592	0.003733	0.015228
149	0.001804	-0.01211	-0.010668	0.011055	0.012031	0.000874	0.020669	0.015002	0.019056	0.001202	0.002086	-0.008513	-0.025056	-0.009367
150	0.019004	0.017511	-0.025993	0.001105	0.034106	0.042623	0.030164	-0.003584	-0.052894	-0.002016	0.029069	-0.009408	-0.048306	-0.038187
151	0.010868	0.04198	-0.038817	-0.033698	-0.010994	0.003072	0.026683	-0.006611	-0.022533	-0.001392	-0.003285	-0.026855	-0.00562	0.005186
152	0.039121	-0.009313	0.006963	0.004424	0.002423	0.008481	0.011343	-0.023371	-0.029223	-0.010901	0.018006	-0.000186	0.012401	0.029416
153	0.047619	-0.003428	-0.004352	-0.020767	-0.011165	0.012662	0.046212	0.02047	-0.026424	-0.028685	-0.036372	0.02715	0.011351	0.000679
154	0.011567	0.026003	0.000445	-0.002992	0.01524	-0.022566	0.006149	0.005322	0.012121	-0.015564	-0.022366	-0.030823	0.02834	0.017589
155	0.023995	-0.011863	-0.000278	-0.01317	0.00569	0.00541	0.014578	0.018846	-0.000412	0.007843	-0.0353	-0.022202	-0.002165	-0.009448
156	-0.041604	-0.010259	0.004574	-0.014297	-0.008711	-0.053268	-0.009748	-0.010062	-0.042693	0.007168	-0.061117	-0.004194	0.025849	-0.016047
157	-0.040242	-0.004319	0.005969	0.013399	-0.00598	-0.006877	-0.021797	-0.024025	-0.009235	-0.003778	0.000003	-0.036992	-0.030911	-0.025167
158	0.026644	0.002831	-0.002192	-0.000571	0.004878	0.033853	0.0319	-0.038273	-0.013095	-0.009881	0.009174	-0.022971	-0.009721	0.021068
159	-0.011689	0.03361	-0.038021	0.010498	0.010541	0.004356	0.024624	0.043554	0.00289	0.017909	0.036355	-0.030064	0.016203	0.023241
160	0.009678	0.017664	0.001997	-0.035773	0.000337	-0.004534	0.027817	-0.00678	-0.00697	-0.009841	-0.012317	0.00323	-0.018255	-0.012315
161	-0.045743	-0.019583	0.016534	0.00179	-0.029897	0.001899	-0.018932	0.013611	-0.018232	0.02958	0.041596	0.016518	-0.033174	-0.001359
162	-0.015374	0.00838	-0.02327	0.019073	0.049346	-0.023256	0.006535	0.011244	0.009514	-0.011819	0.020285	-0.014829	0.034322	0.024848
163	-0.0334	-0.009537	0.03606	0.040219	0.009368	-0.012742	-0.024057	0.012434	-0.005345	-0.010568	-0.013759	0.009058	-0.024743	-0.025869
164	-0.003177	-0.039659	-0.022926	-0.007282	0.006887	-0.002166	0.012265	-0.010171	0.001447	-0.015767	-0.000897	-0.028532	-0.016007	-0.005236

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
165	-0.007937	-0.033956	0.001441	-0.028442	-0.010885	-0.00035	-0.000973	0.025357	0.008675	-0.037428	-0.008372	0.018769	-0.01443	-0.032288
166	-0.00003	-0.054709	-0.027105	-0.006048	0.011429	0.001488	0.004281	-0.018517	0.005931	0.002823	0.005633	0.003194	-0.011891	-0.015198
167	0.017244	-0.029424	-0.024215	0.009048	0.02404	-0.005508	-0.00296	0.012542	0.044297	0.009368	-0.053944	0.015699	-0.023079	-0.030546
168	-0.025109	-0.001451	0.028183	0.031637	0.001613	0.020045	-0.067188	0.009938	0.03595	-0.021156	-0.016544	0.011295	-0.003082	0.019336
169	-0.015147	-0.01769	-0.01181	0.021324	0.016167	-0.014384	-0.014122	0.002116	0.00277	0.015616	0.00067	-0.005067	-0.003043	0.013798
170	0.00643	-0.011379	-0.023796	-0.004979	0.012258	-0.014971	-0.002164	0.011705	-0.003301	0.023491	0.016597	-0.006342	0.014766	0.017405
171	-0.002232	-0.005949	-0.002752	0.024689	0.014879	-0.011623	-0.010022	-0.005693	0.004135	0.013653	-0.006621	-0.004183	-0.001626	0.008458
172	-0.026995	-0.003384	0.009908	0.040986	0.021118	0.005111	0.01855	-0.014395	0.013364	0.001314	-0.000304	-0.001966	-0.008843	0.010596
173	-0.010015	0.032675	0.031756	0.036016	0.014724	-0.004685	0.046239	0.000843	0.013623	-0.010278	0.01131	-0.007484	0.00513	0.007044
174	-0.019059	-0.001165	0.031702	0.015388	-0.001167	-0.009201	-0.012394	0.000169	0.011627	0.024741	-0.016968	-0.000477	-0.002087	-0.004789
175	0.009755	-0.021492	-0.012247	0.005872	0.012603	-0.004436	-0.033992	-0.049896	-0.00692	0.061642	0.032397	-0.022038	-0.004199	0.025041
176	0.00896	-0.063253	-0.01469	0.013595	0.003172	0.018337	-0.020955	-0.026562	0.021007	0.003179	-0.0086	-0.019952	-0.048422	0.00872
177	-0.033419	-0.022149	-0.033675	-0.024677	0.01785	0.017359	-0.050466	-0.010806	-0.021954	0.003382	0.00616	0.002574	-0.032303	-0.039943
178	-0.011808	0.023006	0.018675	0.009651	-0.011115	-0.000808	-0.017458	-0.00434	-0.027802	-0.012139	-0.02187	0.001183	-0.014272	0.023711
179	-0.000446	0.005612	0.011409	-0.0003	-0.00221	-0.008316	-0.010823	0.015333	0.007718	-0.007906	-0.023497	0.01032	0.004706	-0.003978
180	0.012839	0.005455	-0.002399	-0.007568	-0.004707	0.00111	0.018079	0.004548	0.000259	-0.014135	-0.011768	0.000233	-0.000532	-0.001287
181	0.013536	0.013155	-0.000081	-0.01439	-0.005136	0.011158	0.018809	-0.000395	-0.006419	0.002605	-0.019518	-0.005837	0.00317	-0.001923
182	0.030385	0.018629	-0.009691	-0.004829	0.008342	0.032151	0.026225	-0.022696	0.007832	0.013791	-0.002645	-0.031058	0.014382	0.02142
183	0.022423	0.003831	0.012375	0.009667	-0.001741	0.009748	0.004629	-0.008302	0.008432	-0.017841	-0.019608	-0.006256	-0.001812	-0.018064
184	-0.00307	-0.013237	0.027984	-0.00908	-0.035867	0.015411	0.02589	0.017941	-0.015078	-0.02108	-0.03209	0.024353	-0.033898	-0.059328
185	-0.022143	-0.004319	0.026567	0.021577	0.001411	-0.009931	-0.022916	-0.032256	-0.014443	-0.015494	-0.065492	-0.023864	-0.015421	-0.000643
186	0.004381	-0.000317	0.007151	0.005808	-0.001601	0.00179	-0.009683	-0.032835	-0.051215	0.002963	0.031721	0.003433	-0.000895	-0.001724
187	-0.007301	0.0222	-0.007241	0.008503	0.008717	0.011189	0.030445	-0.005788	0.00508	-0.038594	0.01568	-0.004871	0.015931	0.015505
188	-0.015281	0.010436	-0.002805	0.000137	0.004556	0.006062	0.01061	0.005149	-0.000115	-0.011543	-0.036426	0.003999	0.008908	-0.003486
189	0.005514	0.0172	-0.020797	-0.007411	0.015441	-0.003999	-0.021687	-0.009674	-0.007493	0.025669	-0.012321	-0.001794	0.022691	0.002701
190	0.030807	-0.034239	-0.014846	-0.015825	-0.004011	-0.002937	0.019156	-0.000115	0.018858	0.006473	0.052199	0.001473	-0.029658	-0.01596
191	-0.010006	-0.002743	0.000201	-0.012129	0.007355	-0.01256	0.008155	-0.009318	-0.005099	0.007845	0.032351	0.002357	0.013835	0.001454
192	-0.002678	0.044174	-0.015336	-0.003662	0.007187	0.016832	-0.017016	-0.003728	0.02832	0.033294	-0.021198	-0.02422	0.039492	0.041283
193	-0.026261	-0.004408	0.015953	0.013627	0.012641	0.017825	0.026084	-0.019902	0.011971	0.010621	-0.015611	-0.000775	0.034166	0.005994
194	0.032166	-0.021434	0.004392	-0.008377	0.000746	-0.012359	0.005028	0.020067	-0.003168	-0.015879	-0.011114	0.030548	-0.025145	-0.019996
195	0.033773	-0.014008	0.014579	-0.017879	-0.019073	-0.008172	-0.014524	0.037761	0.03326	0.009164	0.017983	-0.003231	-0.023156	-0.03711
196	0.022845	-0.017802	-0.002738	-0.002916	-0.006136	0.009967	-0.011781	0.016067	0.007331	0.029793	0.006259	-0.000054	-0.028661	-0.025393
197	0.006968	-0.024022	-0.010052	-0.01156	-0.000975	-0.000296	0.024516	0.002757	0.014899	0.01519	0.036045	0.003342	0.013273	-0.000967
198	0.017436	-0.005296	-0.007938	-0.011416	-0.02908	0.012327	-0.013728	0.01381	-0.007841	-0.026169	0.01862	0.046103	-0.006448	-0.008947
199	0.005565	0.001209	-0.002472	-0.02406	-0.025216	-0.028656	0.007331	0.003902	0.008079	0.030735	0.005338	0.006572	0.008076	0.013699
200	-0.012527	0.003665	0.008132	0.015305	0.016199	0.036163	0.006557	-0.017318	0.014051	0.003525	-0.014046	-0.007645	-0.002016	-0.005966
201	0.031558	0.013235	-0.021302	-0.033461	-0.03846	-0.001492	-0.015008	-0.016876	-0.037123	-0.015383	0.011831	0.011664	-0.010791	-0.012962
202	0.010488	0.030891	0.011567	-0.004063	-0.01058	-0.036421	-0.018616	0.004703	-0.020638	0.01345	0.023669	0.03353	0.032526	0.019019
203	0.020155	0.008232	-0.001699	0.019549	-0.00497	0.010908	0.002536	-0.020187	-0.004014	-0.046198	-0.002129	0.004219	-0.011772	0.005906
204	0.008557	-0.012916	0.028162	0.009647	0.000428	-0.038937	-0.014512	0.009385	-0.014169	-0.017297	0.020079	0.028308	-0.010034	-0.038804
205	0.018026	-0.025502	0.013953	0.005723	0.004656	-0.001081	0.02405	-0.029582	0.000833	-0.001401	0.013775	-0.01091	-0.032251	-0.020628

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
206	-0.017444	-0.017763	-0.002173	0.005592	0.020003	-0.017551	0.002801	-0.005532	0.016311	-0.01604	0.002639	0.001558	0.002787	-0.003631
207	0.010386	-0.022274	0.008277	0.007782	-0.003699	0.00773	0.019115	-0.012922	-0.015729	0.020623	-0.018245	0.002377	0.013878	-0.012024
208	-0.036459	0.005597	-0.014677	-0.005346	-0.004324	-0.019035	0.000895	0.008688	0.00431	-0.006547	0.010637	0.012147	0.039726	0.03164
209	-0.02454	-0.01644	-0.015125	-0.005751	-0.00743	0.016937	0.007413	-0.015395	0.021562	0.022532	-0.020095	0.001103	0.003861	-0.006525
210	0.049645	-0.050285	0.005597	-0.000105	-0.005221	0.025779	0.025221	-0.008337	-0.002577	-0.007205	0.006856	-0.011848	-0.033248	0.001295
211	-0.048976	0.012557	0.034672	0.016374	-0.01664	-0.005007	0.012187	-0.006635	-0.008942	-0.023255	-0.001794	0.022916	0.000157	-0.013472
212	0.049714	0.006949	-0.001216	-0.006811	-0.012047	0.032145	0.002807	0.001712	0.01293	0.023553	0.022942	0.005418	-0.007431	-0.004545
213	-0.005626	0.010661	-0.00732	0.004948	-0.013158	0.004762	-0.008495	-0.030591	-0.011895	-0.001994	-0.017678	0.014207	-0.008137	0.003348
214	0.002745	0.025388	0.000935	-0.007935	-0.005226	-0.004506	0.004839	0.042259	0.014703	-0.004949	-0.017364	-0.000708	-0.001278	-0.005607
215	-0.037905	0.029724	0.019949	0.016078	0.012816	0.030804	0.034724	-0.008543	-0.018628	-0.003237	-0.039722	-0.015035	-0.017759	-0.032944
216	0.018624	-0.014241	0.01593	-0.001283	-0.020225	-0.001868	-0.012068	-0.019379	-0.05083	0.018399	0.009948	-0.003765	-0.015939	0.000815
217	0.032626	0.021525	-0.002538	0.024093	0.027876	-0.007485	0.038565	0.013683	-0.000332	0.015639	0.029448	0.018201	0.008344	-0.013795
218	0.010071	0.010771	0.011498	0.009271	0.006373	0.006079	-0.005235	0.002374	-0.002243	0.03472	-0.006192	-0.011511	-0.002952	-0.012664
219	-0.029744	0.005056	0.017481	-0.048259	-0.044782	-0.013397	-0.004338	0.013587	-0.026367	0.043038	0.023375	0.003871	-0.02352	-0.050168
220	0.011767	-0.004045	0.054369	0.024809	0.027858	0.019783	0.048745	-0.015907	-0.004815	-0.00049	0.026053	-0.020451	-0.025984	-0.059692
221	-0.005505	0.007214	0.044921	0.038568	0.029707	-0.007355	0.011451	-0.007806	-0.022048	-0.057587	-0.018023	0.010237	-0.003405	-0.015622
222	0.010191	0.036394	0.025374	0.018422	0.015819	0.031418	0.023049	-0.00871	-0.011156	0.016432	0.003731	0.010637	0.007576	-0.014192
223	0.041042	0.002233	0.025879	0.014967	0.014348	0.043678	0.039397	-0.003469	0.002954	0.005132	0.004361	0.015655	-0.010017	-0.01991
224	-0.033551	-0.003038	0.017306	0.005818	-0.002806	0.001172	0.023972	0.001329	-0.008029	0.021434	-0.044273	-0.017169	-0.014454	-0.006157
225	-0.034665	0.008333	-0.003462	-0.004007	-0.014783	0.017104	0.027476	-0.007454	-0.015042	0.002724	-0.038383	-0.027389	-0.01834	-0.009195
226	0.005229	0.017254	0.016403	0.020091	0.006991	-0.00022	-0.00684	0.017688	0.018998	0.015907	0.041098	0.027765	0.014313	0.002986
227	-0.051979	-0.02374	0.001622	0.025711	0.011751	0.009397	0.006365	0.001508	0.012783	-0.005243	-0.029663	-0.007044	0.003868	-0.006086
228	-0.049201	0.000056	0.004286	-0.001284	-0.005476	0.021091	-0.03594	-0.039916	-0.068651	0.030369	0.064936	0.007835	0.008202	-0.015386
229	0.024545	0.02515	0.017135	0.014003	0.019168	0.029945	0.01177	-0.005565	0.003359	-0.00825	0.001819	-0.015047	0.020436	0.005965
230	-0.002166	-0.027652	0.048305	-0.020657	-0.035843	0.020029	0.009875	0.01483	-0.006607	0.000314	-0.028211	0.0241	-0.018427	-0.028758
231	-0.100701	-0.041162	0.004662	-0.013904	-0.041627	-0.022533	0.031688	-0.000782	0.028655	-0.017541	0.011883	0.029437	-0.005281	-0.023012
232	0.004795	-0.067418	-0.013216	-0.004218	0.007589	0.003756	-0.006565	-0.011563	-0.003131	-0.019004	0.008317	0.035278	0.01619	-0.102571
233	-0.016925	-0.001211	-0.002089	0.002727	-0.012826	-0.067675	-0.163994	-0.069652	-0.028921	-0.005592	-0.033131	-0.039016	-0.005918	0.009963
234	-0.148718	-0.009547	0.011525	-0.031612	-0.031451	-0.04988	-0.089563	-0.042916	-0.020331	0.024018	0.024565	-0.026265	-0.023212	-0.004816
235	0.747787	-0.005736	0.024214	-0.00287	-0.011859	-0.04274	-0.042219	-0.073483	-0.061806	0.007303	0.007296	-0.020015	-0.006982	-0.016055
236	-0.009361	0.841321	-0.016223	-0.002107	-0.001636	0.016053	-0.013181	-0.052825	0.010566	0.01325	-0.015144	-0.006883	-0.054497	-0.054616
237	0.022813	-0.01381	0.850168	-0.032415	0.029376	0.037049	0.009906	0.000999	0.013137	0.019728	0.011538	-0.030922	0.004204	0.014296
238	-0.009569	-0.000378	-0.038906	0.866266	-0.090741	-0.01273	-0.00156	0.016106	-0.014006	0.029005	0.017747	0.013878	-0.002393	-0.02305
239	-0.023563	-0.001841	0.020934	-0.099388	0.86785	-0.021373	-0.018104	0.004521	-0.018997	0.0097	0.008423	0.021564	-0.012517	-0.01833
240	-0.014388	0.008722	0.030281	0.023386	0.017376	0.814382	-0.119754	0.036655	0.027389	-0.022987	-0.018033	0.026153	0.026723	0.021925
241	-0.022783	-0.01505	0.01165	0.012789	0.005959	-0.115657	0.789139	-0.029888	0.008902	0.013654	-0.031506	-0.010342	0.004723	0.020241
242	-0.081967	-0.02683	0.011022	0.012365	0.003683	0.030375	-0.015336	0.809658	-0.098021	0.004485	0.005184	-0.052429	-0.003375	0.010576
243	-0.08245	0.020707	0.007023	-0.015292	-0.020306	-0.003259	-0.001114	-0.094055	0.781866	-0.004281	0.028333	0.017698	0.002118	-0.011545
244	-0.001716	0.001314	0.017913	0.019599	-0.000301	0.008051	0.019884	-0.01224	-0.021152	0.880052	-0.053722	0.034256	0.021432	0.019578
245	-0.004612	-0.019146	0.015251	0.01207	-0.006136	-0.005783	-0.017116	0.009461	0.020866	-0.034647	0.817197	-0.015598	0.011193	0.012834
246	0.002172	-0.004356	-0.010063	0.001571	0.005446	0.001289	-0.006006	-0.039892	0.019606	0.036983	-0.032636	0.863868	-0.050185	-0.000538

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
247	-0.000839	-0.062532	0.01998	-0.021434	-0.02962	0.004898	-0.012304	-0.017474	-0.005957	0.029335	0.005182	-0.049137	0.87192	-0.088026
248	-0.028658	-0.062092	0.014377	-0.030035	-0.013816	0.002739	0.012504	0.002475	-0.0184	0.015833	0.009543	0.006772	-0.081193	0.849063
249	-0.002184	-0.014268	0.006027	0.002555	0.002087	-0.091076	-0.064298	0.033661	0.001808	0.03091	0.000436	0.012638	0.010518	-0.039339
250	-0.012299	0.000739	0.012554	0.012911	0.015049	-0.12254	-0.074459	0.030576	0.034446	-0.004973	0.014402	-0.001186	0.009728	0.030381
251	-0.056326	0.023326	0.017987	0.010085	0.024466	-0.117173	-0.074033	-0.003501	-0.014754	-0.036574	-0.010885	0.027369	0.038753	0.027628
252	-0.044706	-0.017126	0.022822	0.013914	-0.020285	-0.026078	-0.055187	-0.056832	-0.07884	-0.01993	-0.053596	0.032929	0.025373	0.008108
253	-0.01275	-0.01532	0.011112	0.044134	0.034092	0.021774	-0.005005	-0.040178	-0.086874	-0.000153	-0.014382	0.009244	0.015541	0.015112
254	0.006476	-0.008714	0.013364	-0.006359	-0.010641	0.020505	0.012069	-0.023228	-0.014833	-0.031938	-0.015163	0.002106	0.004006	0.008415
255	-0.024099	0.005743	0.037732	0.023264	0.018673	-0.014063	-0.007703	-0.031202	-0.039155	-0.070774	-0.0248	-0.002483	0.003314	0.024318
256	0.001504	-0.011428	0.046491	0.030428	0.025025	0.01261	-0.016565	0.026235	0.007827	-0.010432	-0.100062	-0.016532	-0.010218	-0.000559
257	-0.005295	-0.000646	0.031337	0.01813	0.011332	0.008087	-0.004062	0.015312	0.030022	0.025461	0.027698	0.012582	0.00362	0.013376
258	0.001912	-0.038866	0.007554	0.026895	0.020102	0.000529	-0.029317	0.007883	0.007469	0.030821	0.010233	0.008407	-0.042569	-0.029113
259	-0.009261	0.022471	0.001567	0.00279	0.00858	-0.028845	-0.008721	-0.014248	-0.045094	0.019966	0.019203	0.016514	0.019403	-0.00291
260	-0.031651	0.006445	-0.022654	0.012758	-0.010374	-0.003162	-0.002929	0.004068	-0.04567	-0.006532	0.025962	0.03687	0.010907	-0.013666
261	-0.027885	0.003941	-0.016575	0.008049	0.013579	-0.043771	-0.021084	0.004545	-0.012969	0.005957	0.008651	0.01135	0.016022	-0.005072
262	-0.010395	-0.040936	-0.007626	0.010207	-0.008179	0.032179	0.013495	-0.033596	0.008699	0.014091	-0.005748	-0.010352	-0.022718	-0.012054
263	-0.035628	-0.027406	0.007326	0.009239	-0.002433	0.033865	0.025716	-0.046226	-0.037721	0.012125	-0.013709	0.01049	0.000104	-0.01269
264	-0.012872	0.034465	0.005411	0.014719	0.011898	-0.008148	-0.000241	0.013939	-0.011638	0.01154	-0.001625	0.002201	0.009576	0.008292
265	0.021866	0.007961	0.015728	-0.01117	-0.030351	0.006779	0.005213	0.032196	-0.006566	0.004038	0.014239	-0.003132	-0.022668	-0.008783
266	0.010248	-0.000616	0.015307	-0.003261	-0.017402	0.013184	0.007059	0.030312	-0.013387	-0.00617	-0.010564	0.003182	-0.0251	-0.005924
267	0.026238	0.031079	0.021389	0.014327	0.000162	-0.016412	0.027694	0.034442	0.020638	0.013672	0.044546	0.025982	0.032386	0.022628
268	-0.001532	0.014239	0.0224	0.027197	-0.007028	-0.001653	-0.009294	0.011372	0.013258	0.009374	0.043034	0.024431	0.006519	0.01764
269	-0.009022	0.0232	0.014828	0.02947	0.029368	0.003796	0.001629	0.011201	0.015609	0.009337	0.051217	0.026428	0.022716	0.005293
270	-0.001988	0.020009	0.018472	0.038582	0.035706	-0.005763	0.00493	0.019446	0.013589	0.002419	0.030846	0.031544	0.036072	0.011184
271	-0.020758	-0.00591	-0.014614	0.006024	0.025805	0.01492	-0.001401	-0.03558	-0.008004	0.013128	-0.031316	-0.019357	0.012477	0.050049
272	0.007413	0.030954	0.023801	-0.007833	0.0099	-0.016768	0.002026	0.024281	0.022935	0.016894	0.029982	0.031449	0.027726	0.016678
273	0.014266	0.000195	0.040009	0.022638	0.009077	-0.003241	0.001303	0.012054	0.005866	0.009031	0.023326	0.032918	-0.004501	-0.013647
274	0.010059	0.003771	0.033292	0.022643	0.020265	-0.001177	0.000389	0.011128	0.00965	0.009193	0.030129	0.028003	-0.000681	-0.011565
275	-0.009985	-0.038372	0.038706	0.007327	0.007841	0.005485	0.043356	0.033516	-0.009945	-0.012278	-0.026056	0.036425	-0.016641	-0.047495
276	-0.008621	-0.137412	-0.004754	0.002818	-0.002319	0.013983	-0.022196	-0.061378	0.008127	0.015153	-0.010826	-0.007292	-0.0479	-0.028149
277	0.000378	-0.006325	-0.061467	0.004072	0.001055	0.033932	0.015014	-0.003917	0.007837	0.002088	0.008212	0.001198	0.004114	0.019844
278	0.012444	0.009154	-0.056829	0.010254	0.001886	0.034188	0.036598	0.002406	0.028012	-0.011576	-0.001496	0.002957	0.033104	0.034354
279	-0.02345	0.015431	0.01201	-0.105209	-0.112136	-0.028214	0.003937	0.032885	-0.014713	0.008553	0.01958	0.05154	0.022106	-0.023344
280	-0.037678	0.021298	-0.019111	0.039451	0.036043	0.01703	-0.022088	-0.101809	-0.192529	0.009423	0.001974	-0.004309	0.025079	0.045867
281	0.025716	0.027427	0.022454	0.027275	0.016061	-0.020403	0.002723	-0.008487	-0.014441	0.027614	-0.016399	-0.069244	-0.03249	-0.02433
282	0.032739	0.021734	0.047169	0.044004	0.021112	-0.007107	-0.003155	-0.024751	-0.021318	0.019599	-0.016628	-0.057271	-0.021449	0.00297
283	-0.012799	-0.041811	0.024361	-0.009731	-0.014187	-0.007373	0.010879	0.009468	-0.023736	0.017096	0.019718	-0.004289	-0.086634	-0.10639
284	-0.015903	0.006726	0.028646	0.018426	0.013227	0.002116	0.006148	0.017933	0.030969	0.014818	0.02952	0.019087	0.020647	0.021016
285	-0.000446	0.012665	0.031869	0.0208	0.006247	0.02726	0.028624	0.012841	0.02066	0.002006	0.037902	0.016363	0.014414	0.020778
286	0.036791	0.023304	-0.005203	0.019639	0.01732	0.025927	-0.005935	0.017805	0.014709	0.004176	-0.006336	0.019818	0.013111	0.022219
287	0.041881	0.030551	0.008651	0.036533	0.033943	0.008497	-0.011251	0.020358	-0.013013	-0.000164	0.001036	0.042402	0.03343	0.029125

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
288	-0.000937	-0.027771	-0.020092	0.026079	0.034122	0.00373	0.005785	0.015577	0.0151	0.018635	0.028654	0.019378	-0.033594	-0.043522
289	-0.00876	-0.039606	0.001106	0.013089	0.004837	0.020335	0.01044	-0.016022	0.012327	0.002914	0.013505	-0.013822	-0.025108	-0.005845
290	0.009159	0.014438	-0.023787	-0.006063	0.025441	-0.00504	0.026282	-0.005239	-0.019289	0.000669	0.012484	0.000847	-0.007355	-0.0063
291	0.013457	0.016292	-0.025357	-0.004331	0.024852	-0.005448	0.026122	-0.007999	-0.015079	0.000969	0.011781	-0.005093	-0.007196	0.000779
292	-0.017135	0.022442	-0.023502	-0.029655	0.015629	-0.017646	0.007701	-0.007102	-0.015088	0.012818	0.006707	-0.012162	-0.00585	-0.000891
293	0.017323	-0.028007	-0.009418	0.022528	0.006387	-0.017292	0.018126	-0.014483	0.022973	0.020052	-0.005021	-0.018949	-0.013507	0.024203
294	-0.027894	-0.001156	-0.007583	0.014881	-0.002677	0.00356	0.000834	-0.006221	0.000932	0.006239	-0.006138	-0.008479	-0.012456	0.000204
295	0.014362	-0.007218	-0.005578	-0.006717	-0.016582	0.008837	0.025163	-0.009396	0.021093	0.014849	-0.005169	-0.023784	-0.012849	0.009752
296	0.011691	0.015964	0.013864	0.012121	0.01039	0.022044	0.036003	0.002681	0.004712	-0.004209	-0.008528	-0.005313	-0.007281	-0.007135
297	0.007375	0.010479	0.017266	0.012738	-0.007809	-0.007713	0.004047	-0.005571	0.031352	0.023565	-0.008765	-0.012713	0.004581	0.027708
298	-0.021991	0.011269	-0.0115	0.005422	0.029322	0.026126	0.012973	0.012669	-0.005027	0.001503	-0.001704	0.006651	0.02714	-0.000315
299	0.008569	-0.018333	-0.003224	-0.002757	-0.019879	-0.002088	-0.003123	0.023231	0.002747	0.001319	0.004117	0.026875	0.002957	0.010268
300	-0.041266	0.003367	-0.026955	0.002122	0.014871	0.010199	-0.006274	0.011424	-0.024906	-0.002219	0.012918	0.020071	0.01453	0.00371
301	-0.015821	-0.005233	0.009247	0.000035	-0.02083	0.008978	0.026345	-0.00322	0.005737	0.002035	0.010362	-0.003281	0.009157	0.01299
302	-0.003962	0.01571	0.010153	-0.001725	-0.018057	0.021627	0.02523	0.020314	-0.005272	0.007448	0.008469	-0.003373	0.002177	0.009272
303	0.018449	0.000992	-0.020365	-0.007212	-0.022442	0.017312	0.002571	0.0367	-0.008238	-0.026583	-0.016735	0.026083	-0.000558	0.016127
304	0.013658	-0.002484	-0.012824	-0.006403	-0.011933	0.002982	0.015495	0.047118	-0.020713	-0.010691	-0.020756	0.034111	-0.001838	-0.015398
305	0.028608	0.005716	-0.023027	0.00152	0.008207	0.028191	0.006922	0.006884	0.044618	0.010884	-0.009015	-0.032119	0.023629	0.048782
306	0.001502	-0.008042	0.004922	0.012784	0.01356	-0.037226	-0.000198	0.013526	0.003852	0.006262	0.01645	0.000294	-0.009539	-0.008657
307	0.003842	0.015683	-0.011564	-0.012236	0.010622	-0.018683	-0.005178	0.004284	-0.041735	-0.009911	-0.038801	0.042359	0.038911	0.027825
308	-0.001337	0.013398	0.017314	-0.001648	0.001149	-0.003595	0.007686	0.007226	-0.012066	0.009808	0.00968	0.016988	0.017884	0.001591
309	-0.004648	0.001534	0.013551	-0.007948	-0.004385	-0.01212	0.014721	-0.001138	-0.015845	0.016403	0.022857	0.007657	-0.000311	-0.000324
310	-0.012298	-0.006638	0.011095	-0.006424	-0.001517	0.001653	0.048263	0.014419	0.007072	-0.007949	0.001965	0.000248	-0.007107	-0.016103
311	0.027503	-0.005742	-0.01383	0.013877	0.002913	0.011608	-0.003384	-0.018931	-0.002427	-0.006256	0.010438	0.001386	-0.005323	0.003379
312	-0.048004	0.033934	0.007797	0.017185	0.019419	0.00943	-0.025089	-0.023233	0.002842	-0.00724	-0.011685	0.027429	0.010602	0.013707
313	-0.022269	0.012032	0.016393	-0.005574	0.000133	0.018743	-0.013454	-0.026077	-0.004595	0.002452	0.017024	-0.003887	0.005144	0.001579
314	0.007589	-0.019289	-0.020447	0.001922	0.006757	-0.002065	-0.002981	0.001373	0.042864	-0.001744	-0.029553	0.001018	0.008755	0.020298
315	0.01546	0.004537	-0.016384	0.000549	0.013629	0.006092	-0.015454	-0.006853	0.001044	-0.002647	0.01694	-0.005154	0.004503	0.020494
316	0.020214	0.006969	0.004074	0.011896	0.020863	0.035397	0.009444	0.015245	-0.024806	-0.01281	0.057711	0.014392	-0.003462	0.027803
317	-0.011058	-0.004177	0.017834	0.008704	0.007228	-0.005074	0.045802	0.004953	0.003235	0.004143	0.021057	-0.001936	0.000802	-0.002823
318	0.010551	-0.02904	-0.035698	-0.006068	0.011928	0.013786	0.020099	-0.003024	0.023275	-0.006088	0.000366	-0.004543	-0.010618	-0.017728
319	0.000258	0.003534	-0.003386	0.01066	0.012402	0.014014	0.009479	-0.002169	-0.007772	-0.002616	0.001393	-0.00887	-0.000401	0.014938
320	-0.021684	0.005189	0.041426	0.00193	-0.014229	-0.006172	-0.026729	0.013615	-0.005979	0.027798	0.020938	-0.002505	-0.024272	-0.002811
321	0.012209	-0.002585	0.009137	0.019213	0.013062	0.001472	-0.033268	0.008137	0.019553	0.013218	-0.000052	0.005973	0.022631	0.03735
322	-0.024238	-0.013709	-0.019116	-0.031066	-0.024923	-0.004562	-0.000156	-0.017202	-0.019885	-0.006598	0.011712	0.041147	0.016404	0.017533
323	-0.016817	0.020516	-0.013221	-0.00018	0.010984	-0.013774	-0.006154	0.002909	0.005372	0.027449	0.004075	-0.00275	0.025128	0.023036
324	-0.006092	0.011244	0.044434	-0.002975	-0.011142	-0.011767	-0.003504	-0.019287	-0.019864	-0.006604	0.014893	0.012594	0.000726	-0.028803
325	0.012914	0.00529	0.024579	0.005405	0.014154	0.012523	0.008284	-0.02194	-0.009386	0.015876	0.013261	-0.013716	-0.005913	-0.007074
326	-0.000025	-0.028067	-0.001803	-0.014062	-0.002381	-0.029712	-0.041301	0.002934	-0.033156	0.014474	-0.010508	0.015823	-0.008135	-0.027194
327	0.005065	0.005449	-0.004984	-0.023154	-0.001659	0.011422	0.026487	-0.007594	0.000477	0.013478	0.026648	-0.0056	0.008514	0.003387
328	0.012201	0.020092	-0.026283	0.000825	0.006293	0.015905	-0.0072	0.036574	-0.027409	0.026528	0.002258	-0.026624	-0.008782	0.002588

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
329	-0.000561	0.003134	-0.000809	-0.013752	-0.014483	0.018179	0.006332	0.005531	0.001674	-0.013032	-0.007803	0.000998	-0.00514	-0.002088
330	0.028047	0.008608	-0.004528	0.034658	0.013642	0.000029	-0.026449	0.000752	0.033129	0.00506	-0.022552	-0.034393	0.003785	0.022193
331	0.005381	0.006361	-0.020487	-0.005164	0.006875	0.003053	-0.016824	-0.020054	-0.006543	0.022429	0.018676	-0.010199	-0.00092	0.015599
332	-0.008043	-0.011529	0.012881	0.00716	0.007046	-0.012012	-0.037562	-0.010597	-0.003325	0.019512	-0.018331	-0.017686	-0.008723	-0.009101
333	-0.00124	0.001794	0.009968	-0.008514	0.006858	-0.00464	0.014639	-0.036311	-0.016001	0.020583	0.012006	-0.019204	0.005986	-0.003356
334	-0.041586	0.014376	0.035335	0.001274	-0.013683	-0.021224	-0.032075	-0.015472	0.008266	0.00449	-0.012772	-0.009621	-0.038689	-0.014514
335	-0.00469	0.003937	0.005908	-0.006149	0.011064	-0.001913	0.006876	0.004649	-0.023714	0.011428	0.002045	0.006022	0.011886	-0.00479
336	0.042869	-0.048275	-0.06037	-0.014944	0.011593	0.007857	0.022783	0.012448	-0.018073	0.024577	0.036808	0.002494	-0.039364	-0.034417
337	-0.03206	0.014122	-0.005724	-0.019147	0.00527	-0.02054	0.003831	0.020519	-0.000019	-0.017652	0.002901	-0.010725	-0.0103	-0.003895
338	0.03821	-0.03785	-0.003186	0.003152	0.006574	0.002839	-0.010914	0.014549	0.034557	-0.017983	-0.029565	0.020816	-0.012342	-0.005553
339	0.02947	-0.014491	-0.018401	-0.008626	-0.02367	0.000951	-0.00151	-0.009253	0.00493	0.009325	0.004609	0.008941	0.003873	-0.008456
340	0.041727	0.005415	-0.029255	0.008894	0.018893	0.012971	-0.014196	-0.017821	-0.002827	-0.007508	0.00374	-0.031065	-0.026377	0.010922

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
1	0.034943	0.047988	-0.028858	-0.038288	-0.065809	0.072279	0.033102	0.068704	0.033551	-0.03396	-0.00231	0.045892	-0.086927	-0.024492
2	0.035856	0.011085	0.012528	0.021233	0.031818	0.012403	0.01281	0.00601	-0.03947	0.008271	0.010399	-0.05723	-0.040926	0.010308
3	-0.039865	-0.020902	-0.019087	0.028396	-0.041048	0.01268	0.057703	0.042374	-0.043091	0.044964	-0.016103	0.017609	0.009931	-0.016871
4	0.046801	-0.019866	-0.011695	0.082424	0.045028	0.039651	-0.030999	0.058694	-0.001276	0.015864	0.036009	0.104095	0.00025	0.00429
5	-0.029959	-0.036006	0.027426	-0.020408	-0.007772	-0.026046	0.027026	0.03738	-0.011442	0.017466	-0.048415	-0.073315	0.00827	0.010462
6	0.002151	0.027998	0.030007	0.024179	0.037206	-0.032631	-0.042445	-0.128909	0.021173	0.089462	0.016988	0.083505	0.086999	0.100876
7	0.011817	-0.008924	0.011157	-0.004939	0.068955	0.010453	0.010528	-0.072272	-0.042168	-0.019534	0.003462	0.015794	-0.050134	-0.035859
8	0.020748	0.025318	-0.028198	-0.029877	-0.015799	0.015823	0.00139	0.032379	-0.000893	-0.006784	-0.02577	0.056885	-0.007945	-0.008972
9	-0.00419	0.002514	0.008473	-0.031482	-0.051608	0.008558	-0.017426	-0.017953	-0.003207	0.006652	0.015753	0.022968	-0.010776	-0.046797
10	-0.05777	-0.030753	-0.035976	0.009249	0.053475	-0.0261	-0.025957	0.0291	-0.006296	-0.066573	-0.052289	-0.036325	-0.020797	-0.004614
11	-0.012587	0.029008	0.024711	-0.073285	-0.022913	-0.020445	0.001902	-0.044012	0.012528	-0.020325	-0.023047	-0.026618	-0.043213	-0.023974
12	0.003972	-0.029091	0.019526	-0.007154	0.020211	0.034157	-0.008351	-0.115002	-0.018623	0.016282	0.031517	0.000344	0.006092	0.00765
13	-0.046353	0.006878	0.00528	-0.008594	0.037271	-0.054205	0.008058	-0.043228	-0.002319	-0.040113	0.010413	0.024208	0.030655	0.014048
14	0.066594	0.007451	0.041914	0.06271	0.021349	0.034802	0.086653	0.111288	0.03692	-0.030796	-0.007677	0.00167	0.023422	0.009539
15	0.066841	0.027453	0.044356	0.013241	0.033867	0.038726	0.014556	0.005348	0.032483	-0.009052	0.063128	0.005312	-0.002319	-0.030012
16	-0.052956	0.012007	0.015693	0.029363	-0.037449	-0.000215	0.028673	0.040327	0.030613	0.02056	-0.028358	0.034125	-0.011963	-0.005779
17	0.055071	0.037489	-0.001204	-0.001833	0.039238	0.000895	0.026961	-0.048882	0.03258	-0.011856	0.037114	0.060098	-0.004698	0.020498
18	-0.060228	-0.027633	-0.041761	-0.048569	-0.041502	-0.003602	-0.018597	-0.101797	-0.030221	-0.04577	0.036132	-0.009941	-0.047518	-0.003652
19	0.044044	0.019754	-0.017486	0.000001	0.069645	0.053365	0.02922	-0.018246	-0.047529	-0.041653	0.034756	0.01358	0.020464	-0.01818
20	0.024438	-0.04368	0.000495	0.061152	-0.071956	0.016355	-0.010048	0.052731	-0.025352	-0.022268	0.008775	0.056126	0.08432	0.131326
21	-0.013751	-0.004362	0.041019	0.05747	-0.017937	0.021563	0.022362	0.056221	0.025834	-0.008055	0.016129	-0.002788	0.034625	-0.019674
22	0.016741	-0.011091	-0.035328	-0.039327	-0.041649	-0.063737	-0.034236	0.03344	0.047522	-0.034585	-0.009287	-0.002916	-0.032274	-0.013496
23	-0.075925	-0.041117	-0.02228	-0.055742	-0.022117	-0.074713	-0.041997	-0.058092	0.021916	0.00185	-0.012389	-0.065575	-0.007123	-0.064452
24	-0.005255	-0.040907	-0.109632	-0.08742	-0.013896	0.03484	-0.016553	0.01167	0.017791	0.05875	-0.041503	-0.045331	-0.041062	-0.007644
25	-0.06549	-0.011549	0.03468	-0.043246	-0.071488	-0.050891	0.002919	-0.044383	-0.006845	0.029468	0.002107	-0.028073	0.054611	0.019445
26	0.04332	0.000041	-0.08129	-0.034455	0.071751	-0.021493	-0.087859	0.064881	0.035017	0.07487	-0.006717	-0.030401	-0.030847	-0.009816
27	0.00411	0.062777	0.010162	-0.091464	-0.008123	0.05027	0.019641	-0.063813	-0.039189	-0.025813	0.029486	-0.048021	-0.011481	-0.060494
28	0.039621	0.017105	0.026006	-0.026382	-0.046937	0.004956	-0.016998	0.005358	-0.105253	-0.03743	0.030325	-0.017149	0.071565	0.002328
29	0.000885	-0.018308	-0.039571	-0.040078	-0.005883	0.012185	-0.011513	0.018398	0.018044	0.018953	-0.014555	-0.030148	-0.013362	0.008413
30	-0.171897	-0.060712	-0.063488	-0.05569	-0.006335	-0.068442	-0.036956	-0.038511	0.048656	0.025244	-0.163453	-0.07145	-0.004185	0.011447
31	0.012414	-0.037344	-0.047313	-0.07372	0.028447	0.004047	-0.008177	0.043435	0.00389	-0.035917	-0.070074	-0.084374	-0.076414	-0.02645
32	0.032651	0.016962	0.059904	0.01809	0.06956	0.015314	-0.019618	-0.035024	0.02274	-0.010796	0.070536	0.093878	0.050511	0.006063
33	0.024217	0.023682	0.009266	0.032199	-0.000394	0.001538	-0.011292	-0.004716	0.051272	0.036911	0.033579	-0.018705	0.017043	0.058444
34	0.044038	0.098303	0.104006	0.059705	0.056353	-0.00352	-0.016082	-0.028446	0.045196	0.025978	0.011932	0.064834	0.072351	0.038725
35	-0.066177	-0.074826	-0.062514	0.125156	0.087155	-0.007377	-0.007449	0.085059	0.013257	-0.022868	-0.049747	0.055654	0.028474	0.011999
36	0.065979	-0.032133	0.046265	0.002738	0.01854	0.016623	0.020147	-0.055295	-0.080646	0.008391	0.038201	-0.011567	-0.021199	-0.044827
37	-0.023107	0.00826	0.014357	0.051139	-0.038292	0.022947	0.020033	0.039029	0.052088	0.03411	0.000015	0.062052	0.048275	-0.015607
38	0.058357	0.00168	-0.0143	-0.06575	0.026153	0.028997	-0.036226	-0.004522	0.028481	0.039617	0.027669	-0.026817	0.028632	0.05732
39	-0.032985	-0.016093	-0.035614	-0.029012	-0.003747	-0.029111	0.025869	0.147526	-0.019656	0.039803	-0.064988	-0.038044	-0.029896	-0.011555
40	-0.042173	0.029108	-0.004725	-0.013382	0.028871	-0.028762	0.009912	0.081859	-0.055439	-0.08854	-0.03317	-0.047375	-0.036589	-0.002599
41	0.049154	-0.003502	-0.010632	-0.040407	0.021	0.011099	0.031793	-0.03782	-0.004258	-0.017689	0.028135	-0.057384	-0.005272	0.008964

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
42	0.005416	-0.004681	-0.00977	0.000507	-0.006561	0.010463	-0.008521	0.003419	-0.008803	-0.019101	0.010364	0.01997	-0.00147	-0.002845
43	0.037497	-0.083337	-0.010867	0.037076	0.018434	-0.119398	-0.054015	0.07777	0.00708	0.017425	-0.032868	-0.0268	0.042515	-0.004574
44	0.006753	-0.02257	-0.019969	-0.029524	-0.003999	0.065627	-0.019935	-0.083643	-0.023011	0.032313	0.027589	0.053149	0.011635	0.01648
45	0.012834	0.040457	0.01385	0.01421	-0.02532	0.038888	-0.011426	-0.06373	-0.03189	-0.007979	-0.035735	-0.003996	0.012261	-0.060075
46	0.026541	-0.023665	0.025164	-0.022788	0.011256	-0.028468	0.044087	0.000194	-0.005244	0.069233	-0.007725	-0.122537	-0.041907	-0.009864
47	-0.018116	-0.039863	-0.004482	0.053354	0.030148	0.011342	-0.016087	-0.084301	0.015105	0.086114	0.020928	0.004266	0.023486	0.045016
48	-0.027585	-0.043232	-0.004471	0.017941	-0.062888	0.02062	0.007303	-0.062027	-0.03388	-0.021682	-0.008297	0.038662	-0.007912	-0.004005
49	0.004475	0.041434	0.04322	-0.002297	-0.006483	0.000603	0.011807	-0.072579	-0.020402	0.009439	-0.007907	0.006419	0.033904	-0.017645
50	-0.054593	0.064546	0.001155	-0.016894	0.003537	0.004569	0.08646	0.041706	0.056644	0.048506	-0.015885	0.04752	0.015062	0.00976
51	0.038579	0.08217	0.043361	-0.013975	0.028468	-0.08134	-0.06967	-0.011245	0.059599	0.002927	0.016161	0.045627	0.002848	0.020343
52	0.015484	-0.055283	0.001731	-0.0596	0.052244	0.07595	0.007875	0.009776	-0.008711	0.028488	0.05562	0.016602	0.027541	-0.065402
53	0.055912	0.044585	0.030667	-0.007781	-0.008602	-0.004436	0.035003	-0.005463	-0.036847	-0.019202	0.040637	0.070535	0.041244	-0.034995
54	0.005897	0.027943	0.044942	-0.108423	0.037829	0.02031	0.052969	0.021097	0.076449	-0.014388	0.013529	-0.14354	-0.10059	-0.061905
55	-0.016543	0.063211	0.085773	0.03138	-0.048433	-0.03712	0.003905	-0.040203	-0.006709	0.015386	-0.026645	-0.038592	0.002878	-0.042429
56	0.192037	-0.002546	-0.012514	0.087903	0.019151	0.00815	-0.02209	0.047904	-0.034605	-0.039209	0.097584	0.055352	0.030103	-0.005169
57	0.057195	0.015958	0.026695	0.011598	0.002127	-0.022382	-0.071363	-0.008734	0.008942	0.017281	0.019795	0.054476	0.065712	0.016264
58	0.02966	0.060017	0.02653	-0.034886	-0.091195	-0.018132	-0.031671	-0.072305	-0.019167	-0.069165	0.001345	-0.001748	-0.057268	-0.034815
59	0.042166	-0.028204	-0.081141	0.03076	-0.007882	-0.117699	-0.057119	0.053325	0.073297	0.008623	-0.005038	-0.001505	-0.061403	-0.007322
60	0.046925	-0.017356	0.026591	0.02004	-0.091846	0.001219	0.004613	-0.009322	-0.019092	-0.048936	0.023967	0.013545	0.040173	-0.018255
61	-0.037502	0.057139	0.055658	0.035916	-0.023556	0.01773	0.025742	0.046374	-0.004328	-0.013675	0.029434	0.078559	0.018441	-0.065777
62	0.036275	-0.022471	-0.042357	0.024077	0.058095	0.018094	-0.033645	-0.03221	-0.004128	-0.041952	-0.007804	-0.046635	-0.013066	0.054704
63	-0.054066	0.07493	0.13558	0.106991	0.026373	0.012677	0.010592	0.026854	0.066226	-0.028996	0.048489	0.027679	0.055601	-0.026
64	0.01938	0.052007	-0.00046	-0.059772	-0.080282	0.050029	0.015067	-0.009378	-0.019669	-0.034186	0.038183	-0.019563	-0.031594	0.00685
65	-0.027168	-0.060812	-0.070341	-0.102262	0.009463	-0.065161	-0.108545	0.000437	-0.017435	-0.02519	-0.045068	-0.128031	-0.137207	-0.050431
66	0.072015	-0.036928	-0.04188	0.012941	-0.030944	-0.018998	-0.077965	-0.063882	0.048529	0.08599	0.051083	0.04262	0.016222	0.045974
67	-0.114206	-0.061563	0.001267	0.028921	0.004122	-0.016824	-0.00337	-0.034123	-0.013214	-0.030653	0.006421	0.065196	0.014824	0.044922
68	-0.052487	0.015657	-0.017322	-0.009772	0.090725	-0.023417	-0.032436	-0.021257	0.01225	0.059787	-0.045288	-0.007701	-0.011996	0.016313
69	-0.089544	-0.051724	-0.071877	-0.05008	0.056588	0.027551	-0.002563	-0.02088	-0.016273	0.011002	-0.023213	-0.007653	0.052616	0.00658
70	-0.043612	-0.052665	-0.035992	-0.021558	-0.090794	0.017313	0.0106	-0.066361	-0.019631	-0.048053	-0.022726	0.044626	-0.018448	-0.022352
71	0.07434	-0.002145	-0.031709	0.04829	-0.046824	0.017532	-0.017312	0.034455	0.008267	0.027732	0.043726	-0.006228	0.003142	0.012704
72	-0.01966	-0.032638	0.030952	0.009939	-0.028619	0.008419	-0.000438	-0.097465	-0.008091	-0.005613	-0.021005	-0.03727	-0.036141	-0.020096
73	0.019039	0.025437	-0.002533	-0.028839	0.02003	-0.006158	0.039071	0.04759	-0.007928	0.006543	-0.026181	-0.03273	-0.002725	0.024519
74	0.057656	-0.088593	-0.060947	0.04588	0.118208	-0.016573	-0.033406	0.028797	0.020182	0.001222	0.020374	0.08905	0.023749	0.040543
75	0.100408	0.066503	-0.034411	-0.080778	0.030532	-0.009232	-0.100294	-0.061004	0.013183	0.029864	0.036303	0.069088	0.000517	-0.02376
76	0.058718	0.092392	0.055153	-0.070901	-0.057716	-0.014993	-0.014201	0.035988	-0.060141	0.053746	0.017869	-0.085118	0.017998	-0.00559
77	0.046071	0.007562	-0.05018	0.034943	0.081062	-0.004523	0.024409	0.044734	0.012632	-0.026427	0.035725	0.069353	0.010627	-0.002038
78	-0.06433	-0.097208	-0.00341	0.038448	0.002447	0.001071	0.01809	0.011863	0.003796	0.036204	-0.061233	-0.019346	-0.049797	0.005639
79	-0.092378	0.021708	0.072187	0.012696	-0.035193	0.017741	-0.013981	-0.075964	0.00164	-0.039969	-0.022587	-0.027821	-0.079616	-0.029067
80	-0.041058	-0.02213	0.006872	-0.034663	0.034136	0.027149	0.01145	0.003352	-0.026967	0.058656	-0.024177	0.013969	0.022691	-0.014816
81	-0.086235	-0.001154	0.041818	0.051413	0.035751	-0.010478	0.036355	-0.017157	0.00102	0.029002	-0.040307	-0.001913	-0.016902	-0.013134
82	0.051357	0.003121	0.021253	0.023922	0.013393	0.022379	0.024374	-0.005447	-0.024783	-0.049343	0.054335	0.047388	0.080206	0.059326

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
83	-0.076801	-0.006382	0.00056	0.014813	0.068603	0.03181	0.013061	0.009584	-0.012227	-0.009938	-0.080722	0.034496	-0.008424	-0.020593
84	-0.084668	-0.091051	-0.045396	0.032085	0.113582	0.026252	0.036565	0.070169	-0.055987	0.015077	-0.034546	-0.107209	-0.041015	0.003344
85	0.025612	0.016714	0.038155	0.029333	0.012705	-0.04573	-0.072182	-0.029571	-0.000533	-0.007066	0.044354	0.070605	0.028655	-0.009599
86	0.040416	-0.006704	-0.040661	-0.042996	-0.021465	0.023824	-0.04643	-0.095637	0.012957	0.042656	0.035991	0.070804	-0.015922	-0.075553
87	-0.066949	0.013435	0.075065	-0.027539	0.021805	-0.022147	0.087507	0.126203	0.029018	0.02509	-0.030813	-0.095201	0.033563	0.039311
88	-0.015675	-0.037307	0.042255	0.022049	-0.075422	-0.053584	-0.012954	-0.113988	-0.021393	-0.007292	0.049661	0.105856	0.053304	-0.060449
89	0.004893	-0.037101	-0.075392	-0.11051	-0.073247	0.022165	-0.043843	-0.051022	-0.007827	-0.046636	-0.007621	-0.096599	-0.116329	0.016278
90	0.01416	0.068729	0.01931	0.042268	-0.035355	-0.069734	-0.005359	-0.011357	-0.03498	-0.004835	-0.020144	0.071851	-0.002034	-0.000436
91	-0.106318	0.037346	0.011852	-0.030464	0.018713	-0.03778	0.019452	-0.019402	0.046661	0.049866	0.019483	0.088768	0.076847	-0.017062
92	0.042405	0.00144	-0.001192	0.007412	-0.026999	-0.008617	0.008378	-0.005791	-0.025049	-0.016854	0.006158	-0.009107	0.025247	-0.020623
93	-0.008519	-0.027228	-0.051581	-0.015412	-0.028578	-0.049788	0.038015	-0.027684	0.054532	0.00656	-0.013964	-0.055786	-0.125398	0.004639
94	0.050249	0.056628	0.023934	0.108991	0.055783	0.072163	0.003734	-0.006551	0.050151	0.010712	-0.001431	0.011512	0.019062	0.033844
95	0.030116	-0.052643	-0.004706	0.023328	-0.084086	0.055757	0.056514	-0.005437	-0.03897	0.039978	0.030033	-0.00885	-0.036644	-0.003045
96	-0.017183	-0.051217	-0.040805	-0.009734	-0.037812	0.030169	0.015286	-0.00532	0.006138	-0.01544	0.037999	0.018737	-0.027748	0.002111
97	-0.014944	-0.004869	-0.032571	-0.007145	-0.024409	0.010608	-0.008658	-0.032041	-0.040455	-0.043588	-0.042618	-0.011926	0.00079	0.018013
98	-0.022066	0.046961	-0.012792	0.01738	-0.008861	-0.015872	0.002583	-0.028683	0.001724	-0.028542	-0.013793	-0.066599	-0.03129	-0.040637
99	0.065318	0.026905	-0.065195	0.039416	0.007124	0.00663	-0.047115	0.018467	-0.113734	-0.153354	0.001176	0.043876	-0.056312	0.097246
100	0.017791	0.011646	-0.000272	-0.017925	0.00648	0.00295	-0.017562	0.005466	-0.004729	0.02522	-0.012572	-0.001639	0.003675	-0.014596
101	0.005291	0.010442	0.008997	-0.007223	-0.018507	-0.000391	0.004541	0.006913	-0.00604	-0.012668	0.013146	0.010218	-0.000243	-0.015894
102	0.025025	0.02565	0.002117	0.005409	0.015449	-0.019967	-0.002996	0.000263	0.012209	0.011214	-0.016857	0.01819	0.019606	0.019292
103	0.033798	0.036361	-0.009599	-0.021495	-0.001801	-0.069324	-0.037459	0.05165	0.019569	0.004014	-0.006574	0.003884	-0.009848	0.005354
104	0.009481	0.010861	0.005337	0.019295	0.028064	-0.005903	-0.006155	-0.023524	-0.00321	0.012989	0.016746	0.058487	0.031871	-0.000943
105	0.02698	0.004755	-0.019803	-0.000647	-0.04946	-0.00489	-0.030688	-0.033562	0.015174	0.017165	0.006328	0.027492	-0.02165	-0.029156
106	-0.018249	0.023194	0.006542	-0.009119	-0.001487	-0.008198	0.018915	-0.017931	0.023065	-0.002981	-0.009773	-0.037002	0.001483	-0.010026
107	-0.02569	0.017663	0.03818	0.024105	0.022833	-0.002271	0.020171	-0.021678	-0.038577	-0.023273	0.033471	0.096354	0.055061	0.005819
108	-0.011202	-0.002016	0.03587	0.017611	-0.018156	0.036012	0.027616	0.008368	-0.03476	-0.010569	0.003853	0.005978	0.00479	-0.01216
109	0.033706	0.005587	-0.042354	-0.029025	0.021237	0.019287	0.018117	-0.007337	0.015374	0.038099	0.015195	-0.009721	-0.050411	-0.017263
110	0.020416	0.026796	0.028531	0.014537	0.02862	-0.004924	0.00512	-0.01301	-0.045423	-0.034514	0.000816	0.012339	-0.016149	0.003702
111	-0.005327	-0.009734	-0.002535	0.028552	0.031423	0.01648	0.030976	0.020861	-0.007022	-0.01497	0.00868	0.031958	0.009214	-0.016013
112	0.018959	0.029607	0.019508	-0.003885	-0.068079	0.023555	0.018314	-0.005919	-0.029542	0.004217	0.011325	0.00744	0.013763	-0.003945
113	0.003659	0.024108	-0.005105	0.004719	0.028002	0.010403	0.002017	0.002885	0.001689	0.011301	0.027559	0.022944	-0.0041	-0.063125
114	0.013298	0.035202	-0.01827	-0.016717	0.034061	0.033592	0.008367	-0.006542	0.003182	0.01624	-0.014622	0.007591	-0.008305	-0.006417
115	0.024165	-0.044793	-0.016856	-0.005398	-0.015473	-0.019843	-0.015085	-0.024639	-0.031487	0.017236	0.036955	0.020417	0.023469	0.010644
116	-0.015709	0.01814	-0.036513	-0.042041	-0.039793	0.004169	-0.014707	0.000867	-0.006525	-0.01265	0.016861	-0.028317	-0.048072	-0.001068
117	-0.016038	-0.027024	-0.031037	-0.009015	0.034881	-0.024835	-0.002992	0.045971	0.000359	0.012286	-0.022488	-0.008488	-0.003668	0.006166
118	0.069603	-0.015861	0.012872	0.034042	0.029236	-0.004064	0.00188	-0.007584	0.00948	0.047175	0.029622	0.017285	0.039588	0.012918
119	-0.011084	0.012761	0.0169	-0.017792	-0.009587	0.009974	-0.002384	-0.006096	-0.018694	0.018371	-0.010396	-0.008009	-0.007907	-0.000734
120	-0.010151	-0.005398	0.014697	0.003902	0.01786	-0.000611	0.00058	0.028255	-0.00246	0.005286	-0.013958	-0.014758	0.006241	0.00475
121	-0.011757	0.017687	-0.000144	-0.002513	0.012202	-0.009873	0.00333	0.027447	0.013637	-0.01148	-0.008273	0.005702	-0.000032	-0.002436
122	0.013381	-0.001652	0.010622	-0.00644	-0.01541	0.020035	0.03262	0.050093	0.004085	0.010686	0.019406	-0.015396	0.012788	0.008528
123	0.001036	-0.039888	-0.006213	0.011256	0.013527	0.006199	0.022401	0.061319	-0.004019	0.003237	0.006863	-0.01012	-0.018859	0.009117

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
124	0.014449	0.02069	0.019626	0.008949	0.012917	0.008327	-0.012895	0.007372	-0.016303	0.011269	0.009245	0.016533	0.020402	-0.001381
125	-0.000428	-0.004042	0.014466	0.014065	-0.003647	0.005254	0.013314	-0.010383	-0.00814	-0.001451	0.021279	-0.03143	0.001035	-0.01798
126	-0.007077	-0.020404	-0.005286	0.008871	-0.001711	-0.003656	-0.015999	0.027512	0.006616	0.004448	0.005464	0.016396	0.015099	-0.013548
127	-0.037506	-0.00968	0.007353	-0.004646	-0.033377	-0.025575	0.014628	0.040044	-0.000625	0.010287	-0.02784	-0.025104	-0.002223	-0.006327
128	-0.021214	0.007929	0.003033	-0.044207	-0.011982	0.036001	-0.010307	-0.034179	-0.0128	0.014196	0.014494	-0.015678	-0.01663	-0.031532
129	0.016395	0.009595	0.023657	0.033099	-0.007485	-0.031838	0.007628	0.043599	0.021293	0.013053	-0.002538	-0.018558	0.025969	0.027574
130	-0.003749	0.046016	0.019223	0.022165	0.018594	-0.030222	-0.030752	0.010201	0.006139	-0.010276	-0.006277	-0.017912	0.014201	0.012573
131	-0.040954	-0.025582	0.01283	0.026153	0.006585	0.021658	-0.008608	-0.024786	0.000346	-0.007408	0.027835	0.031852	0.026402	0.03032
132	-0.006186	0.013614	0.010087	-0.011372	-0.019779	0.011057	0.024808	-0.029538	-0.003979	-0.018914	-0.009048	0.033014	-0.047028	-0.008275
133	-0.000693	0.014963	0.008717	-0.034894	0.015259	-0.001659	0.019044	0.017111	-0.008643	0.000094	0.006979	-0.024566	-0.01076	-0.015619
134	0.003833	0.049957	0.018285	0.009185	-0.003592	0.009038	0.00032	0.029125	0.018391	0.032944	0.028243	0.059212	0.017464	-0.037643
135	-0.015648	-0.005288	-0.003902	-0.009327	0.001603	0.021438	-0.006817	-0.034968	-0.001446	0.000469	0.003608	0.003299	-0.007052	-0.015232
136	-0.022909	-0.000496	0.018625	0.030174	-0.005755	-0.017835	0.00639	-0.004795	0.005156	0.000215	-0.013983	-0.033072	-0.02993	-0.009141
137	0.039042	0.033592	0.009432	-0.016618	0.01008	-0.002705	-0.018672	0.015694	0.010147	0.007871	0.021499	-0.007588	0.003716	-0.000748
138	-0.068875	-0.002927	0.002488	0.0427	-0.036526	0.003722	-0.006735	-0.033957	-0.002941	0.016236	-0.015097	0.045259	0.033992	0.000647
139	0.03677	0.023826	0.009023	-0.003222	-0.015925	0.008888	0.006007	0.022005	-0.011887	-0.045819	-0.005933	-0.014761	-0.017496	-0.034926
140	-0.004221	-0.005544	-0.029411	-0.032173	-0.015012	0.042725	0.031001	-0.019786	-0.019707	-0.0057	-0.002238	-0.000826	0.004426	0.02769
141	-0.002452	0.01126	-0.000911	0.036505	0.019645	0.008801	-0.005792	0.036404	0.003581	-0.011065	-0.028832	0.026418	0.027751	0.028273
142	0.034543	-0.022421	-0.02819	-0.004525	0.020434	0.017763	0.008627	0.005533	0.006895	0.002312	0.027322	-0.0076	-0.002099	0.009419
143	0.008816	0.018732	0.014753	-0.043437	-0.004999	0.013349	0.025051	-0.007534	-0.023526	-0.016684	0.009486	-0.000295	0.038455	0.004377
144	-0.026028	0.015488	0.008357	-0.006226	0.007761	0.008206	-0.006428	-0.033429	0.000416	0.006302	-0.02845	-0.004432	-0.021286	-0.014209
145	-0.00296	-0.021997	-0.014347	0.002927	0.03718	0.004325	0.007325	0.022614	0.009285	-0.005081	0.000057	-0.002251	-0.015065	0.008492
146	-0.016803	-0.008739	-0.004445	-0.011097	-0.019267	0.021626	0.004017	0.020239	0.003429	0.00874	0.004219	-0.019093	-0.014784	-0.003738
147	-0.01822	0.004354	-0.013912	-0.02063	0.007124	0.023071	-0.000159	0.011003	0.001431	-0.000374	0.000411	0.005282	-0.009677	-0.026777
148	-0.048226	0.015897	-0.002147	0.014181	-0.008292	-0.034644	-0.026408	-0.044104	0.043751	-0.012221	-0.017907	0.073072	0.003426	-0.020404
149	0.03296	0.013041	0.010765	0.0175	-0.002157	-0.007503	-0.013521	-0.028529	0.009485	-0.030598	0.026512	0.028315	-0.021118	-0.022211
150	0.036517	0.011363	0.032203	0.02784	0.002246	0.017322	-0.008695	0.036868	0.017611	0.003924	0.005857	-0.023645	0.005488	0.018533
151	0.00957	0.054347	0.030474	0.031802	0.025334	-0.029799	-0.014132	0.041594	0.017456	-0.008989	0.001692	0.038557	0.019472	0.004968
152	-0.007255	0.043139	0.000128	-0.019113	-0.040513	-0.042423	-0.016317	-0.016098	-0.00017	-0.002376	0.001874	0.038628	0.025882	-0.003291
153	0.005035	0.024217	0.004004	0.008233	0.021765	-0.033333	-0.008499	0.021717	0.037954	0.031596	-0.017921	0.022964	0.024237	0.032858
154	0.012742	0.002679	-0.04153	0.012613	0.022646	0.006445	-0.038068	-0.017969	0.038658	0.01678	0.00767	0.050937	-0.017228	0.010368
155	-0.002974	0.00095	0.000844	0.014731	-0.036606	-0.006606	0.005187	-0.053232	0.010546	0.007942	-0.014433	0.022953	-0.001061	0.014257
156	-0.05212	-0.03999	-0.028565	-0.051881	-0.038935	0.040487	0.027529	-0.006951	0.007729	-0.015539	0.024655	-0.016859	-0.037782	-0.005011
157	0.002501	-0.009263	-0.018936	-0.021494	0.015714	-0.001501	-0.012548	0.005773	-0.032556	-0.010646	0.01369	0.006725	0.034233	-0.010626
158	0.013168	0.002298	0.015566	-0.005696	-0.003722	0.01981	-0.004129	-0.003005	0.003851	0.031928	-0.007134	-0.000638	0.012699	-0.03133
159	0.021031	0.017623	0.035372	0.018567	0.020655	0.040305	0.008632	0.008911	0.016728	0.022309	0.02862	-0.007665	-0.031095	-0.004692
160	-0.019819	0.029241	0.009342	0.023556	0.006165	0.017671	0.023087	-0.019602	-0.033519	0.024348	-0.012618	0.025465	-0.009756	-0.035948
161	-0.05993	-0.020537	0.016373	0.024041	0.008364	-0.034381	0.019916	0.001664	-0.013624	-0.033243	-0.033513	-0.011185	0.021378	-0.015825
162	-0.018911	-0.042085	-0.020129	0.030159	-0.003135	0.004381	-0.030718	-0.01251	0.002355	-0.001672	0.001023	0.012923	0.011765	0.001273
163	-0.01808	0.023397	0.016772	0.006361	-0.012815	-0.012811	-0.006177	-0.009956	0.000896	-0.046864	0.026316	0.038965	0.039492	0.005122
164	0.023559	0.003059	-0.024358	-0.002731	0.005132	-0.002079	-0.029847	0.007439	0.006151	-0.025799	0.026117	0.014193	-0.012433	0.019219

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
165	-0.01852	0.020674	-0.021389	0.011926	0.008446	-0.027959	-0.044736	-0.063877	-0.016367	0.004671	-0.007948	-0.002202	0.008524	-0.01145
166	0.007749	-0.002127	0.002904	-0.009576	0.029111	-0.019434	-0.011836	0.009497	0.028373	0.01304	0.006629	-0.035802	-0.020584	-0.013599
167	-0.006638	0.00724	0.01302	-0.008629	-0.016386	-0.005133	0.010633	-0.013201	-0.026822	-0.034746	-0.030259	-0.055429	-0.063118	-0.008545
168	0.030547	0.011502	0.009044	-0.010347	-0.019922	-0.032067	-0.036278	-0.030464	-0.009751	-0.026814	0.05563	0.015327	0.025203	-0.000036
169	-0.005925	0.002743	0.010453	0.013052	-0.021488	0.006767	0.007084	0.026513	0.011454	-0.022453	0.011378	0.017213	0.01051	0.010346
170	-0.038603	0.005564	0.002831	0.0236	-0.005588	-0.000189	0.006923	0.032945	0.031133	0.007475	-0.002554	0.021098	-0.003792	0.015262
171	0.006895	0.006055	0.009056	0.015988	-0.009742	0.000164	0.013312	0.044285	0.012807	-0.01077	0.011739	0.016182	0.019125	0.019773
172	0.004585	0.019585	0.029869	0.019295	0.00473	-0.004262	-0.00557	0.007954	-0.00094	-0.010248	-0.002582	-0.009892	0.021503	0.001299
173	-0.004971	-0.024165	-0.003955	0.036106	0.049704	-0.011075	-0.01185	0.019204	0.006108	0.012661	-0.019014	-0.028174	0.020969	0.024612
174	0.013352	0.018982	-0.001516	-0.00675	0.027397	-0.01851	-0.00583	-0.048208	0.00578	-0.021878	0.00981	0.026663	0.012355	0.009003
175	0.025452	-0.045901	-0.024237	-0.017429	0.001139	-0.039016	-0.000154	0.016367	0.002217	0.006327	-0.013647	-0.002452	0.001124	-0.026678
176	0.020288	0.008303	0.0323	0.018954	-0.001448	-0.02218	-0.001687	0.015523	-0.004477	-0.031638	0.011954	0.008364	0.023923	-0.008417
177	-0.03168	-0.009266	0.002889	-0.008057	0.030552	0.00809	-0.012211	-0.042187	0.032125	0.001595	0.012659	0.008386	0.005874	-0.010036
178	0.030856	-0.003829	-0.015006	-0.031364	-0.00029	-0.018462	-0.016519	-0.015716	-0.014424	-0.024156	-0.000567	0.000156	0.02835	-0.014399
179	0.021451	-0.001736	-0.006544	-0.026326	-0.012222	0.003684	0.007312	-0.006866	-0.01485	-0.011024	0.017135	0.003307	-0.000624	0.010483
180	-0.005772	-0.009271	0.002099	-0.012989	0.013433	-0.007303	0.005468	-0.01555	0.001402	0.011153	-0.000206	-0.010505	0.009297	-0.00536
181	0.013704	0.003644	-0.001743	-0.023191	-0.001755	-0.004938	0.005115	-0.010379	-0.000563	0.007468	-0.003539	-0.007887	-0.00814	-0.003902
182	0.019461	0.003779	0.003792	-0.016897	0.023875	-0.002929	-0.00473	0.004732	0.007681	0.026339	-0.009808	0.002482	-0.016686	-0.006558
183	0.02954	0.005527	-0.004469	-0.014251	-0.001265	0.01578	0.003981	0.033019	0.005715	0.027671	0.013012	0.008222	-0.0035	0.004588
184	0.014273	0.0381	0.027148	-0.021193	-0.036385	0.019525	0.015243	-0.000977	0.01398	0.014074	0.017091	-0.014858	-0.004814	-0.015029
185	0.003849	0.007506	-0.005023	-0.081162	-0.006017	-0.035009	-0.032939	-0.088513	0.002914	0.020102	0.017199	0.00693	0.018648	-0.009178
186	-0.026508	-0.014062	-0.004478	0.011097	0.050796	-0.033934	-0.012654	0.013207	0.016785	0.022347	-0.030015	-0.011436	0.010349	0.049462
187	0.015493	-0.012114	-0.000515	0.044043	0.036665	-0.000938	-0.032055	-0.00072	0.013183	0.029753	-0.010648	-0.011889	0.018088	0.02248
188	0.003659	0.012567	0.00867	0.018487	0.020023	0.00261	-0.018583	-0.056223	0.014762	0.013027	-0.009961	0.012485	0.014811	0.015824
189	0.027801	0.024455	0.011197	0.031026	0.029231	0.026352	-0.005325	-0.005745	0.009781	-0.00058	-0.000418	0.041647	0.000704	0.012817
190	-0.003988	-0.005891	0.006329	0.023009	0.020401	-0.004816	0.007929	0.040987	-0.000776	-0.012504	0.002954	0.010149	-0.007941	-0.02203
191	0.014575	-0.010367	-0.005897	0.010647	-0.017729	0.001889	0.001669	-0.004031	-0.015071	-0.002747	0.017725	0.037381	0.004593	0.019149
192	-0.071547	0.002484	0.013998	-0.000114	0.018692	-0.02136	0.021507	-0.002491	-0.016609	0.02003	-0.064648	-0.01012	0.002935	0.014634
193	-0.040571	-0.011931	-0.011903	-0.016959	0.018702	-0.04421	0.001594	-0.022583	-0.007507	0.016235	-0.037868	-0.019773	-0.019449	0.006637
194	0.013138	-0.035873	0.002634	0.019666	-0.017672	-0.019644	-0.001381	-0.032443	-0.008515	-0.017829	0.011421	0.018324	0.02341	0.010564
195	0.01517	-0.014633	0.003747	0.003937	0.010458	0.016007	0.017538	-0.018261	-0.028134	-0.037383	0.03102	-0.016108	-0.063974	-0.007261
196	0.008744	-0.002326	0.004985	-0.028331	-0.037575	0.01146	0.023796	-0.01832	-0.011205	-0.040093	0.002171	-0.028596	-0.060239	-0.040199
197	-0.009894	0.000255	0.003894	0.000902	0.011952	0.034561	0.002916	0.004208	-0.029956	-0.004731	0.003983	0.037169	-0.01937	-0.001247
198	0.023992	0.036002	0.023668	-0.014623	0.014577	0.015372	-0.009899	-0.011207	0.002951	0.012988	0.057765	-0.014883	0.037305	-0.03711
199	-0.014869	-0.02833	-0.001712	0.009429	0.039811	0.014427	0.043519	0.053473	-0.025188	-0.032577	0.010641	-0.030679	0.002667	0.00405
200	0.040212	0.029754	0.006942	0.014697	0.001517	0.010843	0.003461	-0.041439	-0.01365	-0.020745	0.008863	0.025404	0.009264	-0.035643
201	-0.048579	0.004741	0.009853	-0.01475	0.016231	0.019783	0.034313	0.014414	0.009802	-0.006347	-0.011453	-0.010768	-0.020043	-0.000782
202	-0.03718	0.023029	-0.006569	-0.016798	0.013054	0.017917	0.004476	0.011755	-0.004324	-0.009312	0.00874	0.017757	-0.007475	-0.02583
203	0.010298	0.025975	0.004168	-0.009052	-0.002548	0.006189	-0.016953	-0.038601	0.009805	0.012827	0.017518	0.002915	0.008664	-0.019097
204	-0.024533	-0.013203	-0.05067	-0.066326	-0.026227	-0.001224	-0.019649	-0.027284	0.003782	0.03705	-0.015424	-0.020106	-0.007484	-0.025448
205	-0.020256	-0.016514	0.043608	0.03213	-0.01321	0.038131	0.047009	0.034671	-0.020153	-0.008773	-0.022606	-0.056145	-0.028131	-0.027773

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
206	-0.032851	-0.02061	-0.038649	-0.000302	0.061535	-0.020914	-0.001738	0.016621	-0.004879	0.027608	-0.03158	-0.010277	-0.035292	-0.023419
207	0.030733	-0.006132	-0.028385	-0.051687	0.006495	0.011454	0.019761	0.018727	-0.002668	-0.002787	-0.010181	-0.053171	-0.03385	0.005563
208	-0.000973	-0.016063	-0.055781	0.030498	0.028068	-0.000063	-0.012063	-0.031305	-0.021456	0.009041	-0.000524	-0.005675	0.010539	0.054286
209	-0.002737	0.023159	-0.000015	-0.013442	0.009287	-0.010928	0.01905	0.017145	0.017701	-0.005946	-0.004953	-0.015171	0.000376	-0.020913
210	0.029493	-0.012819	0.008958	-0.008313	0.008497	0.007991	-0.003892	0.004049	-0.014947	-0.063674	0.009891	0.008967	-0.012809	-0.026578
211	-0.016228	-0.012664	0.023342	-0.007316	0.031021	0.025175	-0.002615	0.009461	-0.003375	-0.017314	-0.002527	-0.018116	0.037446	-0.011961
212	-0.014819	0.049819	0.030456	0.008555	0.011014	0.000745	0.003833	-0.01817	-0.013782	0.001502	0.011459	0.057612	0.034344	-0.006345
213	0.027705	0.022706	0.047995	-0.012314	-0.014442	-0.033743	-0.012375	-0.030908	0.013184	-0.020646	0.012691	-0.019459	-0.003121	0.023899
214	-0.001525	-0.012703	0.000789	0.002086	0.00037	0.00553	0.024907	0.01713	0.003212	0.014168	0.006295	0.002919	0.012772	0.005202
215	0.01786	-0.001993	-0.020883	0.00119	0.04495	-0.006174	0.006227	-0.050986	-0.0107	-0.010387	-0.021954	0.016911	0.022036	0.009501
216	0.019914	0.008616	0.023004	0.003987	-0.026856	0.01064	-0.016271	-0.027758	0.000266	-0.014218	0.022036	0.042584	0.026215	0.000649
217	-0.019588	0.018047	0.017838	0.016149	-0.012406	0.022789	0.015286	0.016913	0.01672	-0.010582	-0.006247	0.006563	-0.019789	-0.022618
218	-0.0238	-0.002708	0.001238	-0.002436	0.017424	0.011008	0.035066	0.006787	0.021491	0.011913	-0.006735	0.012087	0.009133	0.016691
219	-0.019828	-0.00195	-0.015428	0.021073	0.023536	0.0149	0.032181	0.046894	0.027694	0.009806	-0.007598	0.014642	-0.000539	0.026896
220	-0.004988	0.020738	0.018246	0.001515	-0.019285	0.002753	-0.014885	-0.020515	0.006343	0.030509	0.017421	0.002263	0.000692	-0.018044
221	0.021588	0.010664	-0.017131	-0.009231	-0.007034	0.001142	-0.052585	-0.047976	-0.005526	-0.007457	0.012102	0.029128	0.006582	0.000328
222	-0.063934	0.019879	0.002675	0.008828	-0.025325	-0.040575	0.011948	0.002207	-0.011846	0.000772	-0.076255	-0.014035	0.008438	-0.003621
223	0.00037	0.00299	0.005209	0.006206	-0.036868	-0.086658	-0.001453	0.008593	-0.001481	0.004342	-0.032154	-0.015633	0.007933	0.002225
224	0.015737	0.023831	0.014203	0.009165	0.001351	-0.010489	0.010187	-0.010257	0.009795	-0.053098	-0.001756	0.005906	-0.00281	-0.025011
225	0.013679	0.033896	0.011007	-0.002061	-0.002436	-0.024288	0.012014	0.014033	0.021161	-0.045111	-0.000933	-0.024249	-0.011545	-0.026338
226	-0.005261	-0.003322	0.004716	0.00761	-0.004788	0.030202	0.024951	0.039547	-0.010234	-0.009989	0.005353	0.001567	0.002677	0.004126
227	0.006172	0.01153	0.015758	-0.003145	0.028858	0.003565	0.005529	0.028854	-0.006523	-0.037824	0.019819	0.018315	0.004062	-0.017385
228	-0.026381	0.033622	0.019011	-0.004447	-0.060208	0.004574	0.010712	0.026403	0.014088	-0.014827	-0.039497	0.00256	-0.021589	-0.014628
229	0.019038	0.035075	0.034289	0.013154	-0.064787	-0.025157	-0.017352	-0.063667	0.031763	0.041723	0.012261	-0.00277	-0.007861	-0.000822
230	0.004378	0.023982	0.023104	-0.005271	0.006716	0.023944	-0.000982	-0.038836	-0.02017	-0.00659	0.0108	0.02018	0.022747	-0.012202
231	0.000149	-0.025316	0.00006	-0.012646	0.012162	0.020419	-0.007898	0.041312	0.003499	0.004977	0.030751	-0.015359	-0.042795	-0.029643
232	-0.080998	0.044126	0.01879	-0.039869	-0.054817	-0.013259	0.029291	0.008093	0.017832	0.008504	0.01317	-0.003017	0.007043	-0.026564
233	-0.026392	-0.01231	-0.012066	-0.015808	-0.017885	0.002929	-0.013923	0.000516	0.033411	0.028878	0.007256	0.027026	0.026086	0.026322
234	-0.008844	-0.071793	-0.055015	-0.005752	-0.018665	0.026103	0.005034	0.013751	-0.004419	0.006761	-0.002915	-0.014584	-0.040479	0.000133
235	-0.011208	-0.060692	-0.083288	-0.021761	-0.010893	0.000616	-0.011877	0.030715	-0.015118	-0.008857	-0.026831	-0.023688	-0.031079	-0.004996
236	-0.012282	0.007069	0.007447	-0.032625	-0.011174	-0.000597	0.007064	-0.000671	-0.006412	-0.034032	0.000867	-0.006571	-0.01609	-0.062176
237	0.01753	0.021982	0.023664	0.033559	0.005881	0.008285	0.017169	0.024748	0.03524	0.011214	0.010065	0.000193	-0.002175	-0.002843
238	-0.00686	-0.002957	-0.010872	0.020397	0.016248	0.013763	0.033925	0.035185	0.020654	0.025126	0.004296	0.042316	-0.011114	0.013582
239	-0.009031	-0.002941	-0.007032	-0.010359	0.024691	0.006169	0.034889	0.052575	0.016333	0.009477	0.002315	0.007698	-0.01307	0.003516
240	-0.087983	-0.118639	-0.108845	-0.01247	0.012969	0.001087	-0.035153	-0.015123	0.012961	-0.013131	-0.037612	-0.005047	-0.052135	0.019085
241	-0.06226	-0.071454	-0.082114	-0.050215	-0.014747	-0.004877	-0.018548	-0.036071	0.014171	-0.022615	-0.018018	0.00549	-0.033836	0.006744
242	0.018124	0.018035	-0.023258	-0.069948	-0.027172	-0.018989	-0.018067	0.024972	0.012429	0.033626	-0.028483	-0.006824	-0.009918	-0.037423
243	-0.008393	0.014434	-0.02895	-0.069625	-0.074262	0.001893	-0.003506	0.039231	0.031415	-0.003394	-0.040822	-0.018868	-0.017474	0.015416
244	0.035126	0.027602	-0.001452	-0.036107	0.010201	-0.025972	-0.065986	-0.039797	0.005861	0.016951	0.022373	0.00026	0.018759	-0.003506
245	0.002559	0.029839	0.000333	-0.062327	0.005659	-0.003844	-0.016559	-0.116157	0.00678	-0.00891	0.00342	0.001697	-0.011742	-0.004691
246	-0.000999	-0.022115	0.00612	0.034392	0.016906	-0.0111	-0.010087	-0.017675	0.027805	0.032964	-0.002423	0.02554	0.014561	-0.002859

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
247	0.002121	-0.006732	0.017207	0.022675	0.007673	-0.002846	0.006742	0.007193	0.008115	-0.033346	-0.000257	0.008165	0.012369	-0.023529
248	-0.035903	0.013064	-0.002231	-0.008509	0.003139	0.008873	0.014208	0.013063	0.002715	-0.031584	-0.013417	-0.013757	-0.021914	-0.017164
249	0.733507	-0.072653	-0.026248	-0.026343	-0.010486	-0.034179	0.035675	-0.009126	0.019993	0.023955	-0.124895	-0.063647	-0.034547	-0.015401
250	-0.066478	0.827346	-0.096774	0.003025	0.020668	-0.012287	-0.017708	0.014129	-0.005478	0.01937	-0.046976	-0.053023	-0.039232	0.016305
251	-0.01858	-0.101491	0.833477	-0.061736	0.009084	-0.013187	-0.052169	0.004933	-0.004137	0.002801	-0.046591	-0.047667	-0.08178	0.013484
252	-0.036698	-0.00776	-0.062278	0.784302	-0.061933	0.011128	-0.004317	-0.053695	-0.017163	-0.009676	-0.024704	-0.122852	-0.106091	-0.052371
253	0.000568	0.022787	0.023559	-0.061957	0.782127	-0.006893	0.004367	-0.054187	-0.012188	-0.03681	0.010686	-0.021244	-0.029851	-0.031731
254	-0.016622	0.000259	-0.000719	-0.007207	-0.003564	0.871805	-0.051293	-0.016872	0.026789	0.020595	-0.035357	-0.014552	0.006866	0.00439
255	0.039118	0.000703	-0.029458	-0.024672	0.002948	-0.045267	0.884689	-0.082556	-0.002954	0.007225	0.00969	0.029509	0.01322	0.005186
256	-0.014094	0.013257	0.032209	-0.058066	-0.049184	0.010007	-0.046196	0.716057	-0.041687	-0.006337	0.041643	0.035504	0.015037	-0.026679
257	0.000917	-0.021856	0.002194	-0.015754	-0.027176	0.030259	0.021614	-0.022898	0.886886	-0.047566	0.009232	-0.022268	0.004301	-0.005366
258	0.013174	0.013874	0.001903	-0.003587	-0.028335	0.000185	0.013348	0.002156	-0.043685	0.84644	0.006893	-0.00588	-0.036901	-0.016818
259	-0.118919	-0.044435	-0.0477	-0.023707	0.001484	-0.048802	0.005837	0.037382	0.011558	0.020485	0.861329	-0.093456	-0.058709	0.007148
260	-0.059662	-0.048528	-0.030163	-0.109306	-0.021478	-0.015939	0.022203	0.057527	-0.000066	-0.000757	-0.079388	0.722	-0.1394	-0.025864
261	-0.032193	-0.041601	-0.073146	-0.079219	-0.036713	0.001798	-0.007454	0.000883	-0.000467	-0.036366	-0.052638	-0.139207	0.806926	-0.051582
262	-0.019338	0.024513	0.019136	-0.058815	-0.032701	0.009321	0.016331	-0.018897	-0.018344	-0.013554	-0.004244	-0.03967	-0.047672	0.880747
263	-0.024002	0.031087	0.00493	-0.073667	-0.052503	0.013393	0.013826	-0.008061	-0.027278	-0.007194	-0.025856	-0.036794	-0.034241	-0.088486
264	-0.081414	-0.016326	0.006035	0.043119	0.000909	-0.063884	-0.021023	-0.013827	0.011875	0.01459	-0.088191	-0.017119	0.021593	0.024001
265	-0.026368	-0.026891	0.017621	0.01242	-0.014671	-0.084974	-0.016403	-0.02661	0.015842	-0.001326	-0.03048	-0.047915	-0.029175	-0.001478
266	0.04138	-0.018385	0.008419	-0.023862	-0.043822	-0.022304	-0.028433	-0.068496	-0.005893	-0.023748	0.027109	-0.054282	-0.072166	-0.0211
267	0.005179	-0.015513	0.040126	0.045926	-0.062837	0.005057	0.027674	-0.001232	0.01833	0.002741	0.038301	0.01626	0.012349	0.009543
268	-0.003493	-0.008932	0.019343	0.007866	-0.003274	0.028533	0.030272	0.040562	-0.011588	-0.000994	0.014915	0.001375	0.03075	0.005663
269	0.000746	-0.011571	0.006746	0.009612	-0.007855	0.026754	0.019064	0.027446	-0.013135	0.015352	0.018778	0.00334	0.025517	0.006004
270	0.014218	-0.008098	-0.010494	-0.002041	0.002296	0.023812	0.000634	0.036745	-0.019328	-0.009725	0.014834	-0.003293	-0.009341	0.003327
271	0.006766	-0.014288	-0.026113	-0.007876	-0.046431	-0.029771	-0.006162	0.018422	0.016208	0.031666	-0.012937	0.016804	0.010545	-0.011415
272	0.024021	-0.001877	-0.021791	0.025078	-0.027715	-0.009936	-0.0022	-0.012185	0.006244	0.007879	-0.006412	0.019332	-0.021465	0.020225
273	-0.007621	0.004866	-0.004156	-0.012199	0.014656	0.01947	0.015906	0.023945	-0.021833	0.001577	-0.015407	-0.017147	0.000209	-0.002562
274	-0.004467	0.002139	-0.007671	-0.004596	0.014982	0.015071	0.01038	0.023004	-0.020408	0.005556	-0.013533	-0.018524	-0.003117	-0.000342
275	0.010312	0.008914	-0.009131	-0.002795	0.027917	0.020163	-0.005567	0.002057	-0.008016	-0.021121	0.003738	0.01776	0.00047	-0.013255
276	-0.003261	-0.00099	0.011894	-0.034792	-0.061054	-0.014244	0.01009	-0.01842	0.004772	-0.026123	-0.003131	-0.012761	-0.027421	-0.06521
277	0.053741	0.030943	0.027415	0.025181	0.018533	0.006271	0.020377	0.053956	0.018396	-0.012426	0.014787	-0.023413	0.001168	0.007473
278	0.066119	0.034965	0.02814	0.019589	0.02048	0.004973	0.0167	0.06546	0.027725	0.011323	0.017819	-0.034275	-0.010566	-0.004287
279	0.003183	-0.01497	-0.029655	0.006558	0.035305	0.015276	0.039989	0.070916	0.032131	0.028957	-0.000675	-0.007913	-0.02763	0.020921
280	0.019449	0.038294	0.010481	-0.016508	-0.138111	0.006963	-0.003266	0.012898	0.044821	-0.022689	-0.026584	0.035151	0.003306	0.020874
281	-0.017263	-0.011173	-0.011284	0.039161	0.036873	-0.003452	-0.006046	0.01967	0.044112	0.001586	-0.028534	0.003327	-0.012448	0.027649
282	0.004276	-0.008462	-0.016425	-0.005782	0.01909	-0.016082	-0.007857	0.022639	0.027551	-0.005198	-0.018394	0.004755	0.007192	0.010128
283	-0.009282	-0.006396	-0.00818	0.012515	0.017136	-0.003203	0.010581	0.027685	0.032237	-0.017479	-0.00783	-0.030788	-0.019781	-0.01623
284	-0.010256	-0.027924	-0.00051	-0.002021	-0.014802	0.021685	0.023954	-0.020603	-0.080241	-0.017836	0.003943	-0.023863	0.010313	0.004367
285	-0.017666	-0.013871	0.003538	-0.018336	-0.018826	0.012068	0.026249	-0.007813	-0.080464	-0.003106	-0.006185	-0.043407	0.019197	-0.008066
286	-0.008442	0.012984	0.011413	-0.010316	-0.019399	-0.01521	0.021206	-0.023741	-0.020359	-0.074714	-0.000306	-0.006871	-0.003257	-0.002956
287	-0.002399	0.02805	0.001901	-0.025862	-0.033458	-0.004381	0.009703	-0.003272	-0.029432	-0.097035	0.000604	-0.008986	-0.01526	0.002165

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
288	0.011542	0.018218	-0.00809	0.008357	-0.006455	0.01216	0.012226	0.012441	-0.010615	-0.12019	0.006579	-0.023074	-0.036962	-0.026075
289	0.006416	0.003012	-0.000215	-0.02011	-0.001468	0.003594	-0.002155	-0.01581	-0.025722	-0.018067	0.015533	-0.022959	-0.022996	-0.079608
290	0.002412	-0.002354	-0.012582	0.003333	-0.0161	-0.003311	-0.008216	-0.009497	-0.002038	-0.000154	-0.007573	0.009319	-0.021482	0.005946
291	0.001369	-0.00824	-0.011041	0.004319	-0.013554	-0.004948	-0.008154	-0.010939	0.000463	0.002186	-0.008779	0.010166	-0.019097	0.002974
292	-0.003071	-0.030822	-0.032625	0.017573	-0.019056	-0.014358	-0.003968	-0.007521	0.002225	0.010356	-0.012328	0.036717	-0.009016	0.009342
293	-0.004797	-0.0389	0.009297	0.033326	0.019646	-0.00566	0.005594	-0.034808	0.0099	0.009158	-0.008213	0.02662	0.016262	0.006671
294	0.000047	-0.004467	0.012034	0.028281	0.037552	0.010234	0.01422	0.02837	0.02619	0.003688	-0.002322	0.004559	0.009153	0.002169
295	-0.02608	-0.008249	0.030539	0.027999	0.029842	0.000199	0.021556	0.011875	0.007442	0.056351	-0.006759	0.004651	0.023476	-0.012062
296	-0.006128	0.012737	0.014121	0.004979	-0.011318	-0.001131	0.004776	0.020206	0.021235	0.025663	-0.002153	-0.020156	-0.014301	-0.02643
297	-0.023697	-0.01005	0.019363	0.005493	0.007785	0.000038	0.016002	-0.016235	-0.006786	0.038031	-0.004183	-0.016906	0.001635	-0.019744
298	0.02702	0.006434	0.002302	0.007411	-0.016714	-0.01954	-0.012166	0.00685	-0.001598	-0.003933	0.004992	-0.023011	-0.013834	-0.00692
299	0.007984	0.005397	-0.009662	-0.002006	-0.004416	-0.004145	0.009714	0.024055	0.012019	-0.003191	0.011853	-0.012336	-0.012182	0.005456
300	-0.00429	0.016443	0.013289	0.020179	-0.028126	-0.02278	-0.004047	0.007678	0.000103	0.006745	0.007271	0.015263	-0.008923	-0.04886
301	-0.000071	0.000077	0.00402	0.007098	0.004362	0.014305	0.011106	0.011431	-0.030001	0.025021	0.006744	-0.009494	0.010009	-0.004825
302	0.01316	0.005979	-0.001061	0.025075	0.007174	0.017067	0.006329	0.02886	-0.014037	-0.002021	0.0006	0.006128	-0.000935	-0.016216
303	0.036998	0.018576	0.011794	0.010775	-0.018927	-0.014352	0.020637	0.03804	0.040127	-0.023872	0.020937	-0.015067	-0.008617	0.009105
304	0.035225	0.017135	-0.024142	-0.009644	-0.052982	-0.00068	0.010164	0.024183	0.033873	-0.044423	0.007916	-0.007429	-0.04516	0.003528
305	0.018511	0.002785	-0.005146	0.040687	0.058411	-0.029616	0.001875	0.003999	0.001848	0.041684	0.00536	0.039622	0.004285	0.010554
306	0.003269	-0.029812	-0.027359	-0.000587	0.004303	0.013525	0.002955	0.018709	-0.012015	-0.017796	0.010734	0.009607	-0.018399	0.00214
307	-0.008748	0.001381	0.034463	-0.040449	-0.059905	0.011515	0.032058	-0.012495	-0.000227	-0.014954	0.027032	0.010144	0.025572	0.026983
308	-0.010316	0.008478	-0.02187	-0.028458	-0.032509	0.013259	-0.0016	0.001054	-0.009878	-0.004299	-0.007606	-0.01703	-0.022929	-0.008904
309	-0.025044	-0.011685	-0.005137	0.001971	0.008748	-0.005825	-0.001125	0.019443	-0.001313	0.005934	-0.013159	0.011911	0.009617	0.000588
310	-0.015422	-0.022232	-0.005752	0.017709	0.038715	-0.004918	0.009733	0.022651	0.015457	0.035013	-0.003356	0.006583	0.027533	0.008998
311	0.013232	0.013997	0.014954	-0.004607	0.005213	-0.008206	0.008902	0.014597	0.008282	0.017535	-0.011551	-0.030434	0.001038	-0.002183
312	0.058707	0.029502	-0.012693	-0.022889	-0.007475	-0.002208	-0.024741	-0.038451	-0.021397	-0.011288	0.037626	0.03988	0.038398	0.000205
313	0.021026	0.010398	0.007108	-0.00228	-0.009628	-0.013112	-0.018803	-0.010767	-0.029252	-0.00302	-0.001464	0.009376	0.002495	0.013277
314	-0.021223	-0.021222	-0.000463	-0.005117	0.00796	-0.049102	-0.019329	-0.028714	0.010403	0.006411	-0.023016	0.024414	0.017117	-0.014568
315	0.016664	0.002689	0.007994	0.010408	-0.000355	-0.021385	-0.015199	0.007317	0.004689	-0.016182	0.017565	0.015645	-0.000568	0.001301
316	0.006363	0.015852	0.042164	0.055197	-0.064176	-0.004916	-0.019961	0.000231	-0.014683	-0.015269	0.00145	0.011059	0.011766	0.001073
317	0.003806	-0.024982	0.004155	0.010168	0.01021	-0.013245	-0.005297	0.003859	-0.028155	0.012502	-0.000648	-0.015978	0.005567	0.006387
318	0.007566	0.006328	0.003673	0.023372	-0.007226	-0.025592	-0.004503	0.035237	0.00168	0.012108	-0.014785	-0.003069	0.010439	-0.002985
319	0.011583	0.002479	0.019058	0.006924	-0.026146	-0.021181	-0.005889	-0.008772	-0.001298	-0.013498	0.016369	-0.000769	0.015649	-0.002676
320	0.05293	-0.017079	-0.029346	-0.011556	-0.015535	0.002446	-0.002717	-0.013978	-0.03199	-0.056348	0.019072	0.007672	0.006323	0.016685
321	0.002863	-0.002983	-0.011947	-0.034657	-0.000324	0.02373	0.010533	-0.015674	-0.023597	-0.014237	0.005321	-0.004505	-0.023321	-0.020313
322	0.012522	-0.020585	-0.019875	-0.025229	-0.007729	-0.012429	-0.007824	0.04752	0.017123	0.01771	-0.012295	-0.001399	0.008131	-0.002405
323	-0.003881	-0.048335	-0.022985	0.002548	0.005991	0.015821	0.006836	0.022636	-0.028971	0.008473	-0.020961	0.018757	0.013944	0.029256
324	-0.02594	-0.01649	-0.011965	0.009445	0.011999	0.000006	-0.008844	0.016447	0.010626	0.027814	-0.021227	-0.026578	-0.013502	0.012292
325	-0.010281	0.005023	0.026665	0.005501	0.010413	0.010329	0.002906	-0.010702	0.011557	0.006797	-0.014231	0.003804	-0.02308	-0.007164
326	-0.017694	0.004752	-0.009064	-0.004618	0.029751	0.029995	0.008812	-0.005029	0.005101	-0.032082	-0.009494	0.008936	-0.01567	0.026914
327	0.01663	0.010441	-0.018109	0.026253	0.014189	-0.012764	0.005921	0.047286	0.009206	0.012319	-0.011688	0.017555	-0.003296	0.008863
328	-0.070865	-0.009751	-0.004852	-0.043839	-0.037774	0.046771	0.016303	-0.03379	-0.010403	0.0292	-0.012515	-0.049509	-0.016849	-0.019431

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
329	0.003013	0.013656	-0.011238	0.007716	0.024385	-0.004965	0.008375	0.023182	-0.014189	0.009288	-0.01675	0.008765	0.020057	0.011248
330	0.008485	-0.020749	-0.007423	-0.009996	0.058065	0.006486	0.00318	0.003602	0.026417	0.012521	-0.015613	-0.060817	-0.034716	0.003665
331	-0.005697	-0.012789	0.01298	0.027418	0.018025	-0.00762	0.011783	0.011869	0.018623	-0.008199	-0.012139	0.021851	0.016445	0.005122
332	0.024195	0.009595	-0.018243	-0.018759	-0.021748	0.003189	0.005583	-0.008057	0.006732	-0.012195	0.015273	-0.025846	-0.021646	0.021634
333	-0.025528	-0.010344	0.016568	0.007152	0.01963	0.012957	0.003857	-0.01157	-0.012679	0.023747	-0.021106	0.003589	0.003162	0.012721
334	-0.060339	-0.006927	-0.004231	-0.051578	0.031596	0.027389	0.013717	-0.04058	-0.029523	-0.013049	0.006448	0.034904	0.001402	-0.017396
335	0.000693	-0.001223	0.001274	0.016582	-0.007077	0.008137	0.003472	-0.002235	0.005911	0.002931	-0.012627	0.000955	-0.002112	0.02952
336	-0.000436	0.008639	0.02829	0.023254	0.032774	-0.001662	0.005045	-0.027168	0.016706	-0.015252	0.009433	0.032138	0.035465	-0.008715
337	-0.017377	-0.024135	-0.0348	0.022626	-0.003376	-0.011954	-0.011047	-0.000589	0.016751	0.028088	0.018654	-0.002759	0.007286	0.01987
338	0.005061	0.000475	0.000443	-0.014661	0.000414	0.007518	0.013293	0.023531	0.010694	-0.017327	0.022803	0.023172	0.022938	-0.00391
339	-0.040625	0.002728	-0.017577	-0.034291	0.022971	-0.003698	0.042813	0.026353	0.020215	-0.02815	-0.024213	0.00194	-0.035714	-0.0121
340	0.020573	0.017292	0.021035	-0.027575	-0.004838	0.017418	0.003272	-0.002505	-0.01094	-0.000393	0.013423	-0.01661	0.005512	0.034268

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
1	-0.034191	0.111306	0.132335	0.067189	0.020914	0.025643	0.046964	0.016539	0.100106	0.034537	0.052792	0.06012	0.077998	-0.098154
2	0.024062	0.009872	-0.044457	-0.016248	-0.090294	-0.019942	-0.014156	-0.044456	0.070019	-0.089528	-0.044908	-0.046157	-0.010585	-0.000587
3	-0.016237	-0.015725	0.008219	0.04457	-0.0766	-0.058353	-0.082296	-0.084057	-0.135443	-0.10141	-0.071614	-0.084972	-0.090922	-0.010513
4	0.017191	0.03156	0.074646	0.054663	-0.002292	0.00289	0.020619	-0.017385	-0.00319	-0.055764	-0.030617	-0.031801	-0.074111	-0.019858
5	0.002331	-0.034985	-0.062106	0.03006	-0.032453	-0.064751	-0.010126	-0.010019	-0.001204	0.006742	-0.042569	-0.020962	0.033644	-0.002742
6	0.082338	-0.024812	0.051551	0.063855	0.018512	-0.015033	-0.001129	0.00316	0.151294	0.078454	-0.000528	0.013663	-0.008903	0.075697
7	-0.037376	-0.030335	-0.07998	-0.049468	0.029314	0.036964	0.085434	0.064287	0.100666	0.033438	0.005012	0.012407	0.007079	0.000503
8	-0.012885	-0.025509	-0.032694	-0.031275	0.070041	0.035123	0.045128	0.02955	0.022957	-0.015396	-0.012169	0.004639	0.020675	0.009295
9	-0.049814	-0.037554	-0.058125	-0.025532	0.015255	-0.024686	-0.008319	0.002619	0.000355	-0.026654	-0.025705	-0.023099	-0.02494	0.04145
10	-0.017757	-0.061202	-0.023313	-0.018477	0.109471	0.011917	-0.015215	-0.053204	-0.028729	0.085799	0.012593	0.001404	-0.033254	0.01601
11	-0.016951	0.064962	0.029638	-0.039879	-0.049757	0.010768	0.024926	0.024401	-0.001565	-0.021776	0.053845	0.063	0.016781	0.008352
12	0.003173	0.057876	0.022022	-0.032469	-0.103629	0.017826	0.006605	0.02073	-0.041337	-0.007399	0.060139	0.060285	0.012381	-0.027197
13	0.036021	-0.035771	-0.11524	-0.085357	-0.013968	-0.084573	-0.049665	-0.057031	-0.026691	0.108243	0.052262	0.060197	0.035447	0.032733
14	-0.012564	-0.021067	-0.004806	-0.012976	-0.041391	0.006842	-0.010319	0.012998	-0.130504	-0.098518	-0.049822	-0.051966	-0.054548	-0.032977
15	0.017118	0.019856	-0.010832	-0.054821	0.002684	-0.047566	-0.029085	-0.007774	0.053901	0.104033	0.002784	0.012176	-0.00167	0.083062
16	-0.027272	-0.059671	-0.044035	-0.019632	0.028115	-0.000593	-0.006814	0.01205	0.076106	0.01325	0.019798	0.013655	0.015512	0.048156
17	0.01193	0.029554	0.016657	0.013276	0.071434	0.0452	0.037253	0.034977	0.093439	0.058371	0.049761	0.040202	-0.024441	-0.03938
18	0.027758	0.040292	-0.008961	-0.005687	0.004657	0.024808	-0.029594	-0.019068	0.072908	0.050375	0.055004	0.048312	0.000541	0.019191
19	-0.01425	0.038725	0.044287	-0.00146	0.093745	0.047882	0.074795	0.108301	-0.04385	0.021207	0.008004	0.01057	0.04029	-0.077379
20	0.083126	0.009267	0.031609	0.053045	0.019242	0.007509	-0.003675	-0.008543	0.043252	0.025869	-0.013098	-0.01667	-0.008675	0.076765
21	0.000265	-0.001242	0.028943	0.004471	-0.008559	0.0054	-0.011271	-0.014154	-0.005488	0.017625	0.022727	0.014409	0.019336	-0.022734
22	0.012415	0.050163	-0.013376	-0.026893	-0.057608	0.075113	0.046763	0.045334	-0.003452	-0.054062	0.061655	0.064114	0.020868	-0.032743
23	-0.041783	0.018012	-0.001489	-0.016169	-0.053102	-0.016354	0.003529	0.013332	-0.085449	-0.004781	-0.016692	-0.015142	-0.01779	-0.062218
24	-0.047456	0.019677	0.053154	0.032094	0.041148	-0.001886	0.014246	-0.0415	-0.068668	0.000782	0.000192	0.005925	-0.031391	0.044262
25	0.025241	-0.018413	-0.042768	0.042689	-0.071359	0.027222	0.014361	0.016297	0.088457	-0.003201	-0.011011	-0.007604	-0.028092	0.072067
26	-0.004625	-0.006653	0.039937	-0.019266	0.136098	0.003535	-0.022487	0.014517	0.01003	0.066135	0.074064	0.058071	0.022938	0.026807
27	-0.040198	0.105451	0.050057	-0.002597	0.086999	0.031216	0.018573	0.025662	0.111682	-0.106065	-0.196153	-0.192481	-0.12869	-0.122816
28	-0.035784	0.008883	-0.006386	-0.026883	-0.020016	-0.042691	-0.037032	-0.053924	-0.046476	0.067924	0.025948	0.024907	-0.073408	-0.044434
29	-0.009631	0.023635	0.009255	0.019756	0.018474	0.024696	0.017389	-0.005427	-0.042414	0.052494	0.019637	0.00817	0.022789	-0.010191
30	-0.033733	-0.164481	-0.035671	0.102358	0.006085	0.044267	0.071277	0.061236	-0.073115	-0.033214	0.019094	0.026499	-0.044327	-0.014945
31	-0.0449	-0.066028	-0.055513	-0.017422	0.110487	0.019641	0.016979	-0.026174	0.12285	0.086924	-0.041139	-0.039251	-0.092679	0.031986
32	0.034956	0.011644	-0.007513	0.044274	-0.059078	-0.025914	-0.003717	-0.015557	-0.020841	0.000075	0.015363	0.007333	0.038913	0.026944
33	0.05264	0.049573	-0.037645	-0.051495	-0.023196	-0.005167	0.005829	0.021854	-0.149456	-0.038797	-0.032415	-0.037682	0.049114	0.087565
34	0.003922	-0.017975	0.002057	-0.005092	-0.032991	-0.02465	-0.011593	-0.043788	0.001767	-0.032039	-0.037561	-0.034062	-0.123981	-0.028492
35	0.042698	-0.070101	-0.021126	0.016242	0.042508	-0.006739	0.020208	0.045566	0.088453	-0.015232	0.025469	0.024653	0.008349	-0.011102
36	-0.02969	0.021511	-0.014655	-0.017071	0.004834	-0.027635	-0.036948	-0.005333	-0.018986	0.041235	0.043605	0.039303	0.084119	0.003599
37	-0.043299	0.018976	0.007347	-0.02121	-0.039687	-0.042998	-0.055016	-0.023387	-0.034193	0.016074	-0.028624	-0.013701	0.01943	-0.046439
38	0.030776	0.005073	0.045017	0.027581	-0.019576	-0.072324	-0.08142	-0.025887	-0.030414	-0.038384	-0.014157	-0.014255	0.064214	0.035497
39	-0.030368	0.005811	0.073959	0.090388	-0.055414	-0.022297	-0.045877	-0.027266	-0.008967	0.002478	-0.028377	-0.031293	0.009496	-0.020945
40	0.013352	0.024424	0.00735	-0.018718	0.05571	0.03946	0.036544	0.046239	0.026186	0.066305	0.025434	0.026023	0.034632	0.02821
41	0.010887	0.040355	-0.007249	-0.044072	-0.009174	0.043472	0.0041	0.018517	-0.015195	-0.019154	0.017483	0.003904	0.019567	-0.038108

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
42	-0.000415	0.004894	-0.008948	-0.021323	0.033752	-0.001111	0.004933	0.004601	-0.00221	0.014391	-0.000852	0.003407	0.004038	0.026758
43	-0.018754	0.005394	-0.074388	-0.000147	0.050348	-0.011023	0.031329	0.021964	-0.035977	0.017717	0.004652	0.015332	0.023684	-0.06608
44	0.004289	0.003264	0.050387	-0.01363	0.057492	-0.022664	-0.000573	0.015541	0.008238	0.003544	-0.018779	-0.007459	0.013593	0.035458
45	-0.034648	-0.01408	0.062768	0.069071	-0.032007	-0.02786	-0.065759	-0.060602	0.034853	-0.04261	-0.00097	0.000219	0.01966	-0.013373
46	0.002231	-0.037809	-0.133418	-0.103705	-0.098202	-0.041058	-0.025698	0.036972	-0.053986	-0.091323	0.005066	0.013059	0.172822	0.00674
47	0.059693	0.011247	0.027172	-0.009791	-0.06595	0.006213	0.004869	0.034299	0.064322	0.026218	0.054369	0.047379	-0.014881	0.016958
48	-0.052208	-0.04028	-0.026187	-0.043291	0.017692	-0.001082	0.015365	0.009914	0.00715	-0.000317	-0.02619	-0.016433	-0.059044	-0.015457
49	-0.052878	0.008571	0.035627	-0.006435	0.013502	0.025328	0.000439	0.014188	0.101148	0.049389	0.023553	0.01576	0.020213	0.017544
50	-0.00077	-0.00733	0.017766	0.149845	-0.038983	-0.004494	-0.025503	-0.001161	-0.037606	-0.04729	-0.00547	-0.002913	0.025439	-0.056435
51	0.017078	0.023218	-0.023682	-0.063884	0.067391	0.066348	0.093646	0.053871	-0.008583	-0.01824	-0.001973	0.015884	-0.134201	-0.045075
52	-0.048499	0.049178	0.097735	0.075987	-0.036811	-0.080077	-0.033453	-0.037671	0.032807	0.075009	-0.037721	-0.009295	-0.066769	0.002773
53	-0.013405	0.029607	-0.028927	-0.014636	-0.099205	-0.025971	-0.005451	-0.015749	-0.073932	-0.034905	0.012948	0.012705	0.055105	0.080258
54	-0.042405	-0.017584	-0.053444	-0.075188	0.049625	-0.00025	0.037276	-0.047233	-0.004535	0.07596	0.015217	0.023897	-0.108601	0.011688
55	-0.023383	-0.093492	-0.131045	-0.053823	-0.031531	0.027413	0.009197	0.025207	0.133562	-0.022191	0.000486	-0.00259	0.041938	-0.032622
56	-0.007596	0.111889	0.077474	0.066677	-0.023306	-0.009846	-0.02284	-0.046172	0.080581	0.019445	0.008525	0.003813	-0.085129	-0.011397
57	-0.011985	-0.036895	-0.030485	-0.043307	0.016078	0.018184	0.014139	0.0489	0.007743	-0.003933	0.03793	0.029114	0.030291	-0.010966
58	-0.020569	0.065175	-0.009143	-0.067857	0.048847	0.01917	0.013042	0.016655	0.117	0.044451	0.051819	0.059205	0.059123	-0.009139
59	0.029523	-0.016956	-0.047866	-0.008117	-0.072053	-0.017318	-0.019995	-0.020389	0.020944	-0.064719	-0.02138	-0.022266	0.03533	0.010787
60	-0.019993	-0.027198	-0.014533	-0.043374	0.007032	-0.010762	-0.00503	0.029565	-0.058712	0.069614	0.060153	0.061442	0.055741	-0.0543
61	-0.029911	0.026594	-0.008073	0.010864	0.034414	-0.018447	-0.011153	-0.01996	0.008208	0.051701	-0.027946	-0.021677	-0.012012	0.008473
62	0.034823	-0.00194	-0.002709	-0.012007	0.000004	-0.020225	-0.004521	-0.030084	0.052164	0.019083	0.016732	0.022092	0.002477	0.064306
63	-0.001367	-0.079079	0.027576	0.059745	-0.009721	0.006614	0.01971	0.033006	0.000987	0.033754	0.056828	0.048037	0.007704	0.02661
64	-0.002718	0.041499	0.046981	0.004313	-0.055299	-0.027668	-0.021138	0.00507	-0.137805	-0.121205	0.000131	0.002009	0.085368	-0.073025
65	-0.041794	0.021145	0.00421	-0.025413	0.025907	0.02659	0.020831	-0.035061	0.015714	-0.008097	-0.030975	-0.029932	0.045417	-0.038619
66	0.037164	0.001997	0.007848	-0.049511	-0.001177	0.063774	0.043736	-0.025792	0.074312	-0.008697	0.032356	0.023856	-0.029253	-0.008204
67	0.050944	-0.066083	-0.129728	-0.041344	-0.055786	0.012676	0.008168	0.0083	0.009436	-0.011374	0.028922	0.019989	-0.052148	0.012702
68	0.009937	-0.070023	-0.05613	0.001079	0.136076	0.035522	-0.005395	0.006083	-0.015553	0.03344	-0.017356	-0.024921	-0.042407	0.029433
69	-0.010369	0.020094	0.097484	0.084077	0.077234	0.025426	0.02253	0.013087	0.099689	0.045865	-0.008553	-0.006479	0.050943	0.038844
70	-0.018138	-0.015563	0.069718	-0.000548	-0.040271	-0.052789	-0.023408	0.017551	-0.116934	-0.03385	-0.012525	0.005733	-0.070321	-0.092282
71	0.008703	-0.000619	0.08139	0.079265	-0.109992	0.056883	0.059538	0.029466	-0.06203	-0.043508	0.026515	0.023872	-0.046608	0.01886
72	0.030183	-0.004971	-0.019776	-0.017657	0.017123	-0.006733	0.004211	0.043932	-0.066104	-0.057044	-0.025653	-0.020378	0.055699	-0.029775
73	0.054352	0.030598	0.024815	0.020266	0.059878	0.003419	-0.054708	-0.039832	0.097741	0.0002	-0.026207	-0.047775	-0.037766	0.004073
74	0.063009	0.042273	0.009156	0.00497	0.025381	0.022023	0.003997	-0.00896	-0.007663	-0.014888	-0.030124	-0.031725	0.007571	-0.024639
75	-0.01208	0.08279	0.044849	-0.018302	0.097434	0.058179	0.023997	0.015284	-0.132025	-0.04278	-0.031732	-0.053363	0.006768	0.010752
76	-0.05827	-0.026752	0.000267	0.0684	0.045894	-0.005455	0.00572	0.00695	0.039465	0.067254	0.020046	0.023716	0.065718	0.014883
77	0.028518	0.083804	-0.028774	-0.024947	-0.018248	-0.013483	-0.005056	-0.0317	0.128924	-0.05006	-0.004365	0.007192	-0.050199	0.038906
78	0.033509	-0.032813	-0.059477	-0.044588	-0.027371	-0.005665	0.005691	0.013193	-0.024695	0.032451	0.018827	0.013043	0.012809	-0.038131
79	-0.007511	-0.047863	-0.020716	-0.017161	-0.072639	0.009484	-0.011691	-0.026844	0.135983	-0.00473	-0.000797	-0.007126	0.017119	-0.045028
80	-0.005795	0.007853	0.009228	-0.029285	-0.007767	-0.027136	-0.023781	0.02022	-0.027829	-0.01277	0.000162	0.008731	0.038267	-0.008489
81	-0.028886	0.073558	0.066137	-0.038417	0.051558	0.005444	-0.035825	0.004612	0.034582	0.003546	-0.003232	-0.008953	0.042046	0.011897
82	0.068255	-0.053677	0.025343	0.078905	-0.037703	-0.041303	0.00385	0.046596	0.026574	-0.050559	0.01386	0.034706	0.109486	-0.044694

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
83	-0.020275	-0.000446	0.032777	0.083444	-0.021504	-0.044543	0.004653	0.013045	0.038946	-0.024957	-0.022354	-0.005054	0.074195	0.029536
84	0.012713	-0.017717	0.068223	0.072951	0.037141	0.052783	0.00828	-0.028619	0.021181	0.001918	-0.009031	-0.020821	-0.082923	0.057842
85	-0.016893	-0.013079	-0.060781	-0.049664	0.038093	-0.01347	0.0266	0.017739	-0.081174	0.04093	0.014502	0.022132	0.012374	-0.067152
86	-0.11259	-0.051348	-0.005104	0.007273	-0.059649	-0.031987	-0.020845	-0.041249	-0.010247	0.011103	0.010524	0.028516	-0.037352	0.071577
87	0.001124	0.038487	0.033955	0.051713	-0.021042	-0.06272	-0.005281	0.005448	0.130895	0.035827	-0.020637	-0.010459	0.026964	-0.014804
88	-0.025599	-0.020494	-0.034995	-0.016465	0.010643	0.055413	0.030134	0.034335	-0.041375	-0.030202	0.039272	0.012653	0.029767	-0.164743
89	0.049528	0.023879	-0.067537	-0.117335	-0.080483	-0.044147	-0.027762	-0.041647	0.02216	0.003587	0.021181	0.019001	-0.018041	-0.021677
90	-0.006648	-0.107734	-0.035268	-0.033789	0.02478	0.035073	0.02617	-0.022101	-0.152037	-0.027685	0.010048	0.012518	-0.009717	0.015442
91	-0.063949	0.042594	0.039352	0.065579	-0.048583	-0.013537	-0.070097	-0.010283	-0.034664	0.0416	0.051256	0.055101	0.026251	-0.025242
92	0.008081	-0.000525	-0.033594	-0.019295	0.057495	-0.003583	-0.000525	0.025876	0.0549	0.036475	0.001529	0.004344	0.083917	0.009471
93	0.01019	0.014559	-0.04591	-0.109322	-0.020369	0.035362	0.014438	-0.000576	-0.011705	-0.024569	0.072238	0.058502	0.011357	0.032879
94	0.042644	-0.015116	0.019358	0.008458	0.014401	0.014572	-0.029844	0.014185	-0.031679	-0.034345	0.007697	-0.001641	0.001075	0.087066
95	0.005305	0.064401	0.011651	-0.024748	-0.035139	-0.001893	0.00142	-0.039229	-0.081256	0.003673	0.046874	0.046441	0.034513	-0.035301
96	0.032224	0.03991	-0.006235	-0.020085	-0.052389	-0.00842	-0.048772	-0.017577	-0.006644	-0.028115	0.009082	-0.003596	0.038042	-0.031353
97	-0.047932	-0.063193	-0.025824	0.008377	-0.081301	-0.06134	-0.037551	0.002695	-0.007871	-0.105847	-0.05639	-0.044703	-0.001815	-0.004798
98	-0.035016	-0.032642	-0.002565	0.033899	-0.008157	0.047823	0.075358	0.101596	0.002774	-0.00111	-0.000151	-0.017771	0.027407	-0.018954
99	0.028288	0.001962	0.063051	0.025336	-0.019083	0.022011	-0.010974	-0.082821	0.025944	-0.086061	-0.048546	-0.073385	-0.040161	0.07476
100	-0.029838	-0.047145	-0.016474	-0.006475	0.007972	-0.015415	-0.002756	-0.007265	-0.038876	0.003833	-0.004231	0.000399	0.00236	0.039374
101	-0.013038	0.010683	0.004789	0.007853	-0.022932	-0.005626	-0.00452	0.004808	0.019965	-0.016865	-0.008006	-0.007202	-0.000633	0.006038
102	-0.000069	-0.010232	0.00806	0.019908	0.036948	0.003711	0.012669	0.02479	-0.013831	-0.011725	0.007432	0.005727	0.018314	-0.034589
103	-0.002207	0.020405	-0.001761	-0.027594	0.021405	0.020178	0.007649	-0.001432	0.029824	0.001641	0.011607	0.012737	-0.039457	-0.066573
104	-0.012839	-0.040676	-0.023214	-0.002202	0.024151	0.001323	0.010476	0.015665	-0.033876	0.012293	0.018745	0.020432	0.013195	0.03012
105	-0.037987	-0.017201	0.022147	0.004115	-0.041288	-0.017625	-0.033758	-0.017907	0.004388	0.014708	0.042647	0.046218	0.036832	0.011258
106	-0.005299	-0.016768	-0.004524	0.007617	0.027549	0.021652	0.021527	0.022045	0.017132	0.017285	-0.007809	-0.005216	-0.018876	0.009548
107	-0.005352	0.000764	-0.024313	0.011	0.031544	0.009707	0.029655	0.015811	-0.054469	-0.003476	-0.012205	-0.00652	-0.013143	0.018576
108	-0.021221	-0.014901	0.028578	-0.005466	-0.01531	-0.00542	-0.022919	-0.02818	-0.007259	-0.008698	-0.000455	-0.00604	-0.049869	-0.034218
109	-0.010534	0.00302	0.010887	-0.022839	0.033996	0.001547	-0.017074	0.011263	-0.036551	-0.008473	0.011392	0.000643	-0.010103	0.017902
110	0.039918	0.036285	0.006997	-0.02907	0.01313	0.019444	0.019225	-0.021717	0.103864	0.01799	0.010639	0.015938	0.046713	0.058887
111	-0.005609	-0.001557	-0.004668	0.021917	-0.04255	-0.015151	-0.01003	0.017401	-0.052738	-0.003469	-0.001929	0.001611	0.018481	-0.006394
112	-0.026114	-0.004887	0.010513	-0.013227	-0.015403	-0.036121	-0.015606	-0.033874	0.025436	0.027554	0.013531	0.012379	0.007373	-0.011002
113	-0.022835	0.005507	0.008191	0.015166	0.004038	0.024959	0.023352	0.030501	-0.060912	-0.002254	0.018168	0.015566	0.039473	-0.046359
114	-0.033664	-0.042235	-0.052841	-0.039128	0.082167	0.007783	0.018639	0.039932	-0.012145	-0.04179	-0.016045	-0.01564	0.038049	-0.026524
115	0.012837	0.040652	0.00501	-0.041518	-0.030482	-0.003282	-0.004562	0.001821	-0.078424	0.006121	0.008101	0.00724	0.007027	0.024307
116	0.006262	-0.002868	-0.009768	-0.029906	0.015084	-0.020606	-0.000694	0.010696	-0.099525	0.007878	0.003803	0.002254	-0.005427	0.003685
117	0.007341	-0.012789	-0.000731	0.014855	0.025209	0.000283	-0.013855	-0.011088	-0.004404	-0.023633	-0.01101	-0.017487	0.002923	0.003552
118	0.01955	-0.000023	-0.002343	-0.025094	0.021329	0.033537	-0.004571	0.003255	-0.016569	-0.008884	0.046506	0.024032	-0.008771	0.008532
119	-0.013235	0.000905	-0.017066	-0.007166	-0.020369	-0.002427	-0.010469	-0.012927	0.046855	-0.014781	-0.011821	-0.017403	-0.00249	0.028288
120	-0.011632	-0.015554	0.000931	-0.000423	0.039583	-0.010384	0.008237	0.000236	0.018237	0.006886	-0.024223	-0.02217	-0.015616	0.013759
121	-0.011467	-0.001661	0.016483	0.025507	0.015674	-0.015303	0.009683	0.013147	0.042283	0.007285	-0.005846	-0.002061	0.017644	-0.01003
122	0.009868	0.022457	0.023601	0.020261	0.001907	-0.023445	-0.019379	-0.014913	-0.040158	0.034853	0.012479	0.01097	0.021013	-0.003762
123	0.026308	0.04081	0.013698	0.005634	-0.003446	-0.00329	-0.0114	-0.028922	0.023996	0.007506	0.014747	0.013303	0.003462	0.004406

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
124	-0.004704	0.006152	0.001969	0.003429	-0.014707	-0.01032	-0.003169	-0.027851	0.017038	-0.015375	-0.024051	-0.02915	-0.01802	0.018648
125	-0.010156	0.000902	0.008504	0.015552	0.009303	0.017572	0.015368	0.021714	0.012386	0.026425	0.008997	0.002613	-0.009529	-0.019645
126	0.003777	0.009501	0.006839	0.010869	0.019265	-0.002204	0.008997	0.014183	-0.011812	0.01706	0.004322	-0.000235	0.008464	-0.007518
127	0.00415	-0.005059	-0.020497	-0.010145	0.015419	0.000312	0.003742	0.004448	0.00381	0.0166	0.006008	0.003457	0.000194	0.007601
128	-0.040699	0.038561	0.031486	-0.005017	-0.007012	-0.021054	-0.015489	-0.018608	-0.004597	0.019738	0.003313	0.010891	0.002652	0.033368
129	0.02656	0.011825	-0.045048	-0.029564	-0.030614	-0.037251	-0.024977	-0.027714	-0.086189	0.024538	0.001789	0.008583	0.012077	0.028379
130	-0.007515	0.001607	0.033277	0.034404	-0.04369	-0.006171	0.00922	0.011813	0.068128	0.002907	0.002187	0.002768	0.029174	0.017946
131	0.03471	0.013757	-0.004817	-0.021186	-0.050493	-0.003538	-0.002514	-0.002112	0.064474	-0.015801	0.003692	-0.002984	0.016736	-0.016716
132	-0.033884	0.062204	0.024859	-0.003979	-0.002696	0.000932	0.000913	-0.016534	0.028649	-0.004896	-0.005565	-0.00115	-0.009847	-0.022625
133	-0.024468	0.019521	-0.010204	-0.006461	0.001691	-0.030509	-0.020386	-0.000244	0.009542	0.017165	0.022145	0.024696	0.001826	0.015793
134	-0.032907	0.016577	0.03846	0.022425	-0.005492	-0.000017	-0.001672	-0.00593	-0.005169	0.002414	-0.026162	-0.026999	-0.021277	-0.000841
135	-0.021161	-0.009429	0.010469	-0.002625	0.012036	-0.000087	-0.001505	-0.011823	0.029517	0.005458	-0.006646	-0.00389	-0.029067	0.004054
136	0.004465	-0.042288	-0.021307	0.007385	-0.03619	0.031151	0.030874	0.041269	-0.004335	-0.011641	0.009266	0.000908	0.033795	-0.024604
137	0.006163	0.028344	0.01795	0.02505	0.006039	0.011528	0.010667	0.003181	0.031134	-0.002014	-0.008766	-0.008483	-0.011918	0.026019
138	-0.006253	-0.037435	0.00842	0.011475	0.000677	0.006684	0.007899	0.029003	-0.030555	0.004064	-0.000113	-0.001516	0.011602	-0.022758
139	-0.053439	0.006437	0.020113	-0.002795	-0.039183	0.018089	0.032808	0.025354	-0.017205	-0.01519	0.002183	-0.001411	0.004916	-0.013211
140	0.014939	0.016909	0.040898	0.020318	-0.003005	0.008554	-0.01001	-0.019912	-0.039712	0.032499	0.020846	0.015319	0.005699	0.018177
141	0.011635	-0.061563	0.005016	0.054442	0.024475	-0.008486	0.005035	-0.006018	-0.048121	-0.005899	-0.010443	-0.002735	-0.011616	0.014601
142	0.022238	0.029762	-0.007048	-0.031705	0.000218	-0.012114	-0.017748	-0.01029	-0.019643	-0.033074	-0.012974	-0.022857	-0.029294	-0.005173
143	-0.007136	-0.014026	-0.004768	0.024064	0.028391	-0.043965	-0.029415	-0.014043	-0.045307	0.000272	-0.003993	0.002681	0.03716	-0.023555
144	-0.001277	-0.013095	-0.004937	-0.010187	0.048523	0.014565	0.024484	-0.004516	-0.007322	0.00606	0.00375	0.005542	0.003661	0.007374
145	0.012075	-0.022834	-0.014867	0.014337	-0.016129	-0.020171	0.008031	0.016898	0.022091	-0.043694	0.010261	0.016649	0.039764	-0.003855
146	-0.027455	0.007791	0.022826	0.005705	0.005386	0.001168	0.007886	-0.006636	0.024227	0.021324	-0.002249	0.001395	-0.014377	0.01474
147	-0.047562	0.009194	0.026515	0.013955	-0.010135	-0.012753	-0.002553	-0.001596	0.036347	0.013833	-0.001309	0.003376	0.011976	0.025611
148	-0.000368	-0.031741	-0.033045	-0.009129	-0.001535	0.01921	0.015204	0.004246	-0.022998	-0.01698	0.01823	0.013086	-0.014911	-0.025583
149	0.002082	0.012402	0.00071	-0.029591	0.001676	0.010639	0.014251	0.012438	-0.024869	0.002262	0.011961	0.01313	0.023367	-0.030085
150	0.02297	-0.001419	0.007193	-0.014675	0.036537	0.020433	0.013996	0.009871	-0.038836	0.005173	-0.024323	-0.03482	-0.031336	0.014102
151	0.002252	-0.022078	0.013825	0.062013	-0.000259	0.016148	0.022315	0.028268	0.026022	0.01086	0.004378	0.004657	0.04048	0.017075
152	-0.016735	-0.013273	-0.013587	0.017519	-0.03381	0.006253	0.010375	0.008598	-0.006619	-0.001399	0.021486	0.021104	0.031133	-0.014049
153	0.005901	0.014979	0.029338	0.00333	0.028358	0.007724	0.014745	0.002646	0.006404	0.03001	0.021639	0.032892	-0.02881	0.015581
154	0.023541	0.035902	0.030115	0.005967	-0.000754	0.032264	0.014423	-0.002525	0.006196	-0.026642	-0.001535	-0.00957	0.003595	0.022617
155	0.002826	-0.005598	0.004544	0.003239	-0.010361	0.021521	0.013292	0.01493	-0.008153	-0.02203	0.000458	0.000456	0.016782	-0.005514
156	-0.034568	0.019281	0.047605	-0.019062	-0.037984	0.028868	0.013588	-0.002988	-0.034036	0.001263	0.034	0.030114	-0.016607	-0.010767
157	-0.016505	-0.016586	-0.015155	0.015259	0.062758	0.011911	0.024166	0.031974	-0.055878	0.017768	-0.018899	-0.012946	-0.020639	0.001134
158	-0.012444	-0.004899	-0.010208	0.011931	0.011008	-0.009332	-0.014292	-0.022922	0.026925	0.005819	-0.00294	-0.007045	0.014433	-0.005282
159	0.025668	-0.007453	0.031083	0.008035	-0.045863	-0.0098	0.001021	-0.014848	0.042988	-0.001035	0.005805	0.012979	-0.04129	0.026816
160	-0.034113	0.001751	-0.011002	-0.017266	0.021846	0.027688	0.023658	0.036512	0.058768	0.028176	0.02044	0.01949	-0.015822	0.049021
161	-0.001194	-0.021517	-0.055255	-0.023801	-0.025285	-0.029453	-0.008425	0.001128	0.006401	-0.008097	-0.001637	-0.000721	0.014608	-0.041867
162	-0.001444	-0.043057	0.001941	0.023469	0.005542	0.027034	0.012196	-0.003255	-0.05726	-0.038907	0.006548	-0.001643	-0.039465	-0.0071
163	0.014685	-0.051558	-0.045452	-0.004477	-0.014579	-0.012552	-0.003634	-0.010875	-0.029116	-0.013068	-0.022505	-0.023843	-0.059421	0.00226
164	0.024156	0.021681	-0.033675	-0.019217	0.011375	0.02591	0.031922	0.019864	0.009335	0.012102	0.024424	0.01707	-0.005214	-0.017972

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
165	0.006827	0.003745	0.018943	0.035515	0.075934	0.021455	0.008747	0.026158	0.020271	0.016099	-0.019728	-0.011428	0.003851	-0.011428
166	0.001782	0.022865	-0.005011	-0.013724	0.035881	-0.004164	0.000859	0.003673	0.029525	0.018136	-0.022409	-0.022664	0.001511	-0.055214
167	-0.030947	-0.047798	-0.009484	-0.008108	0.01596	0.03027	0.049271	0.027208	-0.011267	-0.011808	0.006124	0.006947	-0.002649	-0.045157
168	0.015946	-0.034866	-0.04356	-0.028983	0.00159	0.014745	0.015729	-0.00689	-0.069879	0.02366	0.023856	0.016369	-0.06605	-0.001758
169	0.02204	-0.002613	0.013026	0.029342	-0.009043	-0.004682	0.001635	-0.009151	0.013522	0.01165	0.006552	0.007399	-0.001619	-0.011343
170	0.024091	0.021922	0.019872	0.033468	-0.011452	0.013441	0.005924	-0.006682	0.000973	-0.001937	0.008811	0.004521	0.006389	0.000587
171	0.022908	-0.008902	0.01244	0.025425	-0.018222	-0.00639	-0.00099	-0.016481	-0.023661	0.022334	0.022973	0.025423	0.008416	0.004188
172	0.013933	-0.028309	-0.002804	0.013334	-0.016617	-0.015331	-0.001173	0.005875	0.000048	-0.010981	-0.00742	-0.00643	0.014095	-0.001302
173	0.029361	-0.020824	0.018618	0.020168	-0.006584	-0.012604	-0.013005	0.001562	0.001981	0.014922	-0.003072	0.001137	-0.008486	0.045283
174	0.019264	0.029411	-0.004719	-0.009465	-0.029961	-0.00276	-0.00011	0.003002	0.034232	-0.017093	-0.001464	0.002064	0.014585	-0.005475
175	-0.010248	0.006594	-0.016185	-0.006033	-0.00483	0.000128	-0.009544	-0.017879	-0.024649	-0.014177	-0.004918	-0.004582	0.007776	-0.041296
176	0.016827	-0.013611	-0.020653	-0.002358	-0.013361	-0.002971	0.021289	0.017618	-0.024529	-0.001939	0.029587	0.031501	0.023635	-0.072239
177	0.007291	0.030655	0.034395	0.035881	0.026001	0.030504	-0.010404	-0.000175	0.007584	0.024208	0.016664	0.003908	-0.011521	-0.017772
178	-0.017509	-0.010304	0.004643	0.023556	0.0264	-0.001807	0.021051	0.008012	0.003723	0.000254	-0.008722	-0.002225	-0.018115	0.015324
179	0.004419	0.01192	-0.000533	0.004843	0.00896	0.009199	-0.00108	-0.00569	0.018421	-0.007396	-0.005133	-0.007138	-0.015133	0.007287
180	-0.00688	0.000822	0.005308	0.015343	0.008694	0.012065	0.008453	0.01751	0.019138	0.012558	0.004517	0.002884	-0.011963	0.003617
181	-0.014706	0.010461	0.015786	0.010022	0.011656	0.018072	0.006354	0.01332	0.017393	-0.001854	0.001241	-0.001091	-0.001195	0.009725
182	-0.010955	0.014797	0.008064	-0.000838	0.028983	0.021705	0.002319	-0.005182	-0.03422	0.009568	0.011188	0.001063	0.00172	0.031137
183	-0.00483	0.008616	0.004658	0.005638	0.009928	0.001692	-0.01249	-0.026331	-0.036461	0.027132	0.01059	0.011553	-0.000046	0.026632
184	-0.010195	-0.017335	-0.016465	-0.027159	-0.027581	-0.012882	-0.008667	-0.015856	-0.028262	0.024037	0.015669	0.023149	-0.006718	-0.019574
185	0.008051	0.012673	0.011626	-0.018489	0.016711	-0.011088	-0.017368	0.007473	-0.008699	0.019876	0.003802	0.00313	0.05482	-0.019099
186	0.039886	0.003477	0.001989	0.001716	-0.010625	0.00498	0.016465	0.029991	-0.017055	0.014925	-0.016022	-0.017127	0.044406	-0.003691
187	0.020772	-0.027764	-0.009304	0.006824	-0.005571	-0.002441	-0.002596	0.004133	0.005027	0.013499	0.00497	-0.000269	-0.008429	0.032624
188	0.010036	-0.01617	-0.01548	-0.018534	-0.008038	0.003019	0.002246	0.008457	0.014677	0.001466	0.012074	0.011058	0.002274	0.013332
189	0.003595	0.002153	-0.018896	-0.032944	-0.019171	-0.018739	-0.024027	-0.028952	0.029655	-0.009482	0.005627	0.007303	0.000857	0.030427
190	-0.005804	-0.008344	-0.032805	0.002821	-0.008815	-0.009983	-0.009333	-0.003647	-0.003868	0.005485	-0.005298	-0.005294	-0.004773	-0.021796
191	0.007711	0.007731	-0.01609	-0.00189	-0.008899	0.002742	-0.015758	-0.005828	0.005858	-0.002843	-0.00824	-0.014753	0.002477	-0.004603
192	0.007662	-0.068859	-0.031816	0.018886	0.056614	0.01012	0.023619	0.010826	-0.04347	-0.001924	-0.013601	-0.017315	0.061372	0.042701
193	0.004232	-0.014108	-0.046822	-0.020605	0.010297	0.014231	0.003216	-0.018527	-0.009296	-0.007462	-0.000899	-0.005542	-0.02103	0.023188
194	0.012332	0.009769	-0.038351	-0.026177	-0.027817	-0.005196	-0.00419	-0.010705	0.053346	-0.000376	0.007776	0.013211	-0.025097	-0.027027
195	0.014223	0.037799	-0.060732	-0.09125	-0.016458	-0.005988	-0.008712	-0.004188	0.017354	-0.038818	-0.027972	-0.03121	0.004283	-0.004313
196	-0.021417	-0.003976	-0.043349	-0.059827	0.013155	-0.010203	0.000145	0.00175	-0.009271	-0.000337	-0.016679	-0.017521	-0.008734	-0.027292
197	-0.005757	0.012848	0.000555	-0.012853	0.033747	-0.009944	-0.003747	-0.018223	0.020986	0.022309	-0.008746	-0.005011	0.007832	-0.008797
198	-0.021541	0.038926	0.006794	-0.032014	-0.021622	-0.034225	-0.020964	-0.022664	-0.014092	-0.000565	-0.008212	-0.001528	-0.019586	0.00786
199	0.018672	0.033631	-0.03129	-0.012387	-0.015182	-0.012407	0.015409	-0.001984	0.009259	0.021112	-0.036026	-0.02511	-0.007155	0.015756
200	-0.039057	0.021949	-0.000133	-0.019767	-0.011126	0.000803	-0.001664	-0.000283	0.00073	-0.026397	-0.001289	0.000651	-0.018134	0.022302
201	-0.000137	0.021352	-0.005265	-0.024591	-0.001499	-0.002294	0.014357	0.023644	-0.001221	0.032358	0.022975	0.02361	0.013784	0.023243
202	-0.041159	0.016336	0.027861	0.012313	-0.00417	-0.021675	-0.006067	-0.01948	-0.025626	-0.002814	-0.029292	-0.019488	0.005961	0.056371
203	-0.018327	0.018838	-0.016873	-0.001617	-0.014517	-0.019667	0.013808	0.010088	0.011696	-0.013664	-0.000297	0.010763	0.009815	0.006593
204	-0.020311	-0.008569	-0.020751	-0.029658	-0.0076	-0.008537	-0.032053	-0.011829	0.005412	-0.006721	-0.014072	-0.014422	-0.01412	-0.003177
205	0.015247	0.02574	0.001498	-0.01883	0.064522	0.022139	0.00331	0.023459	0.032856	0.041072	-0.011309	-0.018419	-0.006765	-0.017129

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
206	-0.005828	-0.025398	-0.022575	0.005883	0.002828	0.026009	0.023416	-0.005306	-0.0229	-0.016943	-0.004399	-0.01089	-0.05049	-0.02417
207	-0.002039	0.019761	0.031045	0.031492	-0.007492	0.010254	0.002216	-0.006483	0.009662	-0.015814	-0.019858	-0.013794	-0.078595	-0.015058
208	0.052959	-0.006042	0.025567	-0.004704	-0.049402	0.013068	0.020704	0.030668	0.002403	-0.036295	0.03552	0.039108	0.029199	0.000747
209	-0.023195	-0.029248	0.046521	0.034547	0.027633	0.008241	0.001344	-0.023091	0.011478	0.034118	0.02296	0.030748	0.029769	-0.024632
210	-0.021637	0.02568	0.042848	0.03068	0.00556	-0.005943	0.014324	0.000034	-0.037907	0.045131	0.007501	0.018318	-0.000622	-0.040473
211	-0.003837	-0.01578	0.008906	-0.013019	0.029073	-0.017357	-0.011116	0.017822	-0.022709	0.022818	-0.008091	0.001416	0.023459	0.013507
212	0.010658	-0.024577	0.006018	0.01153	0.019479	-0.022121	-0.02832	0.003062	0.003307	0.000412	-0.015767	-0.013557	0.057138	0.010404
213	0.02274	-0.044905	-0.03325	-0.000985	-0.04949	0.005368	0.010859	0.027786	-0.044985	-0.028006	0.018054	0.008276	0.029944	-0.003264
214	0.009613	-0.012605	-0.016707	-0.008057	0.007104	0.002229	-0.00385	0.004128	-0.010718	-0.002848	-0.001661	-0.000802	-0.009885	0.012931
215	0.019298	-0.018896	-0.014932	0.0218	0.026471	-0.003817	-0.011464	0.015804	0.044444	0.016046	-0.015532	-0.008341	-0.036668	0.055388
216	-0.010954	-0.011856	0.018564	0.006008	-0.012194	0.005241	0.026922	0.011179	0.023539	0.058587	0.044073	0.051536	-0.03867	-0.007344
217	-0.015946	-0.016896	-0.042754	-0.034806	-0.008219	0.017557	-0.003892	-0.00068	0.041085	0.013516	0.008591	0.0008	0.027836	0.031918
218	0.013913	0.020369	0.02579	0.013033	0.002611	-0.002689	-0.006415	0.004319	0.005349	0.00056	0.001812	0.008034	0.014747	0.011079
219	0.015914	0.006495	0.021799	0.013462	0.012995	0.01008	0.005154	0.011934	0.015966	-0.003911	0.012249	0.014265	0.014272	-0.003635
220	-0.019183	0.017439	-0.024436	-0.035159	-0.029261	0.009516	-0.017905	-0.012839	0.037419	0.016388	0.002383	-0.004044	0.017706	0.013728
221	-0.007248	0.008849	0.052466	0.019307	0.019714	0.009527	0.003431	0.009845	0.001953	0.018376	0.010551	0.01407	-0.008361	0.013641
222	-0.023016	-0.106401	-0.039015	0.010949	0.035584	0.004948	0.001515	0.019436	-0.022356	-0.002629	-0.008977	-0.002871	0.009991	0.027918
223	-0.004582	-0.035005	-0.051915	-0.031762	-0.005356	0.005538	-0.004712	0.001612	-0.004576	0.000129	0.014947	0.018345	0.003762	0.003457
224	-0.016896	-0.03128	-0.039945	-0.023664	0.016705	0.019873	0.030247	0.01177	0.002917	0.000985	0.007081	0.006659	-0.007634	-0.005193
225	-0.009067	-0.010495	-0.035615	-0.014043	0.00657	0.017696	0.028902	0.024788	-0.002289	0.008317	0.019909	0.022005	0.017362	-0.001781
226	0.005965	0.018924	0.019955	0.016361	-0.048252	-0.090384	-0.086625	-0.080757	-0.025981	0.000603	-0.023194	-0.018499	0.011319	0.016552
227	-0.010258	-0.003712	0.006893	0.043186	0.016979	-0.035601	-0.026234	-0.098748	0.028195	0.087009	0.009158	0.010397	-0.100381	0.017172
228	-0.020353	-0.013698	-0.012628	0.012008	0.008218	-0.012217	-0.011447	-0.008727	-0.017	-0.043628	-0.017339	-0.020527	0.029677	-0.012589
229	0.018166	0.009074	-0.000832	-0.00352	-0.129998	0.043404	0.022761	0.049597	-0.071193	-0.226054	-0.063355	-0.074442	-0.013756	-0.083437
230	-0.019575	0.01658	0.044214	0.022429	0.032823	0.014075	0.016193	0.002597	0.044836	-0.023568	-0.07097	-0.066105	-0.141232	-0.006564
231	-0.016653	0.010124	0.021685	-0.000961	-0.042091	-0.045025	-0.041617	-0.055403	0.011184	0.042156	0.008228	0.007238	-0.028195	-0.004148
232	-0.036432	0.003749	-0.00393	0.022035	-0.003092	0.009313	-0.014038	0.006513	0.045753	0.008497	0.003668	0.00428	0.014265	-0.050731
233	0.023973	0.001206	0.038416	0.043582	0.004496	0.01473	0.023055	0.01768	0.027007	0.009995	0.005246	0.004571	0.039786	0.005391
234	-0.000657	0.033936	0.026984	0.005634	-0.027352	-0.019341	-0.010764	-0.007279	0.033996	-0.006834	0.021803	0.016967	0.018303	-0.013848
235	-0.01672	-0.032879	0.001308	0.028932	0.008889	0.004962	-0.003072	0.011302	-0.031161	-0.019543	0.010595	0.002507	-0.003536	-0.014084
236	-0.054863	0.025369	0.011148	-0.005377	0.043246	0.028555	0.026326	0.021957	-0.013869	0.016273	0.006767	0.005419	-0.02747	-0.135326
237	0.010066	0.003394	0.018738	0.012447	0.014814	0.02969	0.025769	0.033285	0.011897	0.017	0.044122	0.041326	0.044033	-0.010739
238	0.008981	0.010702	0.003844	-0.000247	0.021889	0.029328	0.023088	0.031202	0.038449	-0.006573	0.020736	0.020874	0.019269	0.001244
239	0.006452	0.002126	-0.017443	-0.002938	0.020997	0.002535	0.024211	0.02354	0.034689	0.013092	0.00998	0.017364	0.018874	0.001104
240	0.027897	-0.019679	0.020263	0.02664	-0.026654	-0.008158	-0.004908	-0.016276	0.015208	-0.012717	-0.004733	-0.003821	-0.017097	0.013558
241	0.015101	0.003732	0.018882	0.009612	0.000621	0.002653	0.002903	0.002217	-0.010738	-0.001979	0.009675	0.004734	0.020844	-0.005525
242	-0.055538	0.02058	0.027967	0.022165	0.009224	0.015118	0.008092	0.016329	-0.012403	0.012543	0.019092	0.017678	0.03193	-0.021473
243	-0.018636	-0.004676	0.002853	0.002103	-0.00349	-0.000269	0.004955	0.005227	0.00296	0.011005	0.008133	0.01469	0.000622	0.026072
244	-0.004649	0.01639	0.019284	0.013041	0.030621	0.014591	0.022494	0.014944	0.008366	0.03858	0.016491	0.020877	-0.02007	0.012321
245	-0.013748	-0.004218	0.001102	-0.02065	0.047413	0.046446	0.063013	0.041584	-0.024368	0.013086	0.026672	0.033946	-0.004597	-0.001156
246	0.008542	-0.013217	-0.01779	-0.004019	-0.002978	0.037446	0.042676	0.04345	-0.02117	0.003751	0.031158	0.028744	0.026217	-0.007676

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
247	-0.006352	-0.009826	-0.029654	-0.033216	0.026656	0.019054	0.030425	0.044152	-0.013766	0.000703	-0.002059	-0.001893	-0.006212	-0.059607
248	-0.022998	0.001893	-0.002326	-0.018597	0.035191	0.03089	0.004822	0.009472	0.033344	-0.004471	-0.017964	-0.020916	-0.039888	-0.041816
249	-0.018142	-0.099171	-0.040416	0.023707	0.006726	-0.00305	-0.005015	0.018129	0.013441	0.013802	-0.0167	-0.011775	0.002366	-0.007738
250	0.026813	-0.019632	-0.004599	0.006351	-0.025392	-0.017921	-0.012396	-0.020775	-0.026402	0.002943	0.00031	-0.000384	-0.022982	0.00024
251	0.006177	0.01668	0.039277	0.013863	0.014272	0.010741	-0.001823	-0.017359	-0.007064	-0.016903	-0.004095	-0.006071	-0.023249	0.022443
252	-0.059477	0.034092	0.006719	-0.026858	0.019651	-0.017036	-0.006925	-0.01327	0.00136	0.020629	-0.008751	-0.000951	0.013346	-0.011162
253	-0.03827	0.000491	-0.024752	-0.033879	-0.102003	-0.014583	-0.014474	-0.012834	-0.063765	-0.031182	0.023603	0.023705	0.036465	-0.048169
254	0.004778	-0.041521	-0.079004	-0.040284	0.004109	0.028887	0.030696	0.028751	-0.017287	0.00066	0.028973	0.029165	0.014685	-0.018864
255	0.000371	-0.00077	0.003943	-0.012587	0.01547	0.02025	0.024695	0.011788	-0.006044	0.006301	0.012475	0.012132	-0.016974	0.010921
256	-0.011444	0.000502	-0.041353	-0.074655	-0.046072	0.006506	0.011397	0.037812	-0.015209	-0.018162	0.028682	0.030625	0.02751	-0.016277
257	-0.00834	0.013639	-0.001281	0.004244	-0.009781	-0.028383	-0.023496	-0.019793	0.008305	0.000506	-0.025543	-0.027791	0.009183	-0.005872
258	0.000033	0.015309	-0.021365	-0.030112	0.004528	0.002084	0.008666	-0.006927	0.024226	0.017337	0.008925	0.005969	-0.007526	-0.033647
259	-0.010925	-0.07814	-0.035904	0.005595	0.040227	0.008443	0.007088	0.011291	0.026264	-0.009378	-0.022665	-0.018485	0.007109	0.0166
260	-0.017308	-0.021078	-0.042836	-0.038302	0.006578	-0.002552	0.000576	-0.009383	0.032225	0.008157	-0.023475	-0.026297	-0.00497	0.009451
261	-0.030247	0.014879	-0.022442	-0.072815	0.007795	0.018513	0.010373	-0.021677	0.041895	-0.005513	0.00145	-0.003848	-0.012151	-0.000536
262	-0.095415	-0.000164	-0.021125	-0.032767	0.023235	-0.000039	0.007869	0.006547	-0.008885	0.014296	-0.006856	-0.002489	0.003964	-0.043462
263	0.881261	-0.017143	0.000395	-0.004241	0.027212	-0.003597	0.006025	0.000591	-0.013501	0.011032	-0.015109	-0.007792	-0.006914	-0.022595
264	0.005523	0.806022	-0.109127	-0.004554	0.014076	0.006039	0.021924	0.024739	-0.047718	-0.01537	0.000043	0.003551	-0.002001	0.025571
265	0.021002	-0.103148	0.775949	-0.147203	-0.017367	-0.002731	0.014518	0.013126	-0.042356	-0.013232	0.017224	0.01643	0.020143	0.00318
266	0.007744	0.010638	-0.131402	0.78961	0.000014	0.006521	0.010782	0.003067	-0.034539	0.007765	0.037453	0.031268	0.010102	-0.003209
267	0.019182	0.00838	-0.01361	0.008627	0.725512	-0.07693	-0.06225	-0.051839	-0.088697	-0.111783	0.01211	0.016596	0.022013	-0.014592
268	0.003868	-0.001395	-0.000466	0.021694	-0.058345	0.889228	-0.081761	-0.063831	-0.039306	0.015718	-0.020783	-0.009216	0.019252	0.014176
269	0.006426	0.016167	0.021224	0.018353	-0.055056	-0.081322	0.895947	-0.079662	-0.031047	-0.00028	-0.02032	-0.02197	0.003545	0.018152
270	-0.003445	0.025808	0.032016	0.019826	-0.026773	-0.057744	-0.075086	0.880094	0.000185	0.024192	-0.026853	-0.029556	-0.065504	0.035362
271	-0.018185	-0.052023	-0.030879	-0.023327	-0.058254	-0.000675	0.007223	0.017415	0.542949	-0.127758	0.001127	-0.004755	0.018029	-0.051308
272	0.029505	0.006257	-0.009195	-0.008685	-0.122354	-0.005401	-0.012932	0.007795	-0.097483	0.761459	-0.077159	-0.082228	0.001411	-0.047917
273	-0.007013	0.01557	0.019743	0.026997	0.008295	-0.027662	-0.023787	-0.025795	0.003938	-0.078127	0.868768	-0.127175	-0.069551	-0.01142
274	-0.002196	0.01535	0.018399	0.023064	0.008387	-0.013102	-0.023007	-0.024813	-0.001764	-0.086009	-0.126501	0.869071	-0.073866	-0.011752
275	-0.027968	0.003394	0.040727	0.021712	0.050535	0.022425	0.011707	-0.055309	0.021381	0.001749	-0.072987	-0.072329	0.740974	-0.000108
276	-0.047549	0.020383	-0.002031	-0.023422	-0.01204	0.025734	0.03	0.045073	-0.054523	-0.054689	0.004354	0.002151	0.013658	0.806689
277	0.00596	0.002548	-0.000667	0.001657	0.021975	0.022775	0.030974	0.023172	0.022728	0.00519	0.009441	0.007209	0.01458	-0.004099
278	0.003418	0.023661	0.014882	-0.007241	0.030497	0.041603	0.02775	0.010203	0.02732	0.007718	0.018729	0.011588	-0.006046	0.010426
279	0.0086	0.011193	0.003119	-0.010892	0.025991	0.02213	0.016338	0.0042	0.040894	-0.00533	0.008339	0.009288	-0.019191	0.015162
280	-0.009446	-0.016343	-0.002578	-0.000859	-0.038979	-0.021271	0.005659	-0.005493	-0.035617	0.005563	0.010428	0.02081	0.00978	0.015916
281	0.020836	-0.011698	-0.002814	-0.011172	0.004205	0.025984	0.032279	0.017549	0.018204	-0.014078	-0.014673	-0.012045	-0.007683	0.028977
282	0.007155	0.001935	0.006951	-0.003529	0.019989	0.027116	0.012794	-0.004829	-0.028577	0.004724	-0.005024	-0.007011	-0.024855	0.014615
283	-0.01515	-0.006567	0.001327	-0.034724	0.023033	0.037525	0.021969	0.014214	0.00677	-0.013889	-0.006337	-0.01435	-0.050985	-0.048303
284	0.000882	-0.003478	-0.002488	0.015106	-0.02222	-0.028766	-0.026027	-0.01663	-0.001586	-0.005924	-0.020427	-0.022992	0.002565	-0.009478
285	-0.007901	-0.002155	-0.002692	0.024985	-0.003277	-0.023855	-0.02349	-0.006571	-0.011995	0.015264	-0.017552	-0.021905	0.005965	-0.00904
286	0.011749	0.00524	-0.009086	-0.013569	0.001576	-0.001453	-0.004097	-0.000935	0.001544	0.040305	0.037056	0.034523	0.011391	-0.000624
287	-0.002257	0.019613	0.023894	0.000874	0.004183	0.000188	-0.008983	-0.029799	0.017251	0.036705	0.026334	0.021816	-0.017221	0.018332

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
288	-0.00609	0.000644	-0.001275	-0.025847	0.015826	0.011153	0.002054	-0.011768	0.030349	0.02008	0.018124	0.013095	-0.035862	-0.028524
289	-0.055834	0.01447	-0.040772	-0.054205	0.019748	0.005728	0.005965	-0.005906	-0.037514	0.008374	-0.008877	-0.011111	-0.036103	-0.031366
290	0.004199	0.002587	0.00197	-0.011915	0.007397	0.00692	0.003901	0.003215	0.01636	0.002979	-0.003754	-0.001728	-0.008678	0.02059
291	0.004459	-0.000576	0.000704	-0.011756	0.002972	0.005693	0.004292	0.004383	0.010426	0.004655	0.001048	0.003639	-0.006173	0.017875
292	0.004575	-0.019616	-0.008539	-0.014463	0.004842	0.013026	0.002244	0.011304	-0.007637	-0.005373	0.009697	0.009404	-0.005885	0.014741
293	0.019156	-0.014616	0.000266	0.007977	0.009861	-0.035187	-0.009701	0.005537	0.010948	0.016496	0.019853	0.029241	0.006603	-0.011176
294	0.011877	-0.031235	-0.009946	0.002426	0.010661	-0.021589	-0.009563	-0.026457	-0.018072	0.024653	-0.010895	-0.00902	-0.042538	0.017656
295	0.003026	-0.002863	0.002885	0.011763	0.025189	0.004695	0.013072	0.011492	-0.00241	-0.019515	-0.054775	-0.054994	-0.023378	-0.009067
296	-0.032456	-0.009528	0.003075	0.00595	0.002327	0.006261	-0.003575	-0.035716	0.003072	-0.008399	-0.056316	-0.061147	-0.089046	0.026802
297	-0.007786	0.001413	0.009135	-0.006933	-0.007958	0.001366	0.004208	0.014209	0.026965	-0.046354	-0.047105	-0.048121	0.008643	-0.01269
298	-0.019357	0.031688	0.021246	-0.004893	-0.004446	0.027098	-0.005059	-0.006764	0.033534	-0.002342	-0.012455	-0.016981	-0.001476	0.011712
299	0.01213	0.015523	-0.011562	-0.025572	0.004086	-0.02151	-0.007957	-0.004903	-0.002784	-0.009207	-0.007989	-0.006685	0.03006	-0.009405
300	-0.035614	0.011392	-0.008688	-0.019072	0.019917	0.004765	0.005605	-0.009348	0.028882	0.040969	-0.009666	-0.006597	-0.021029	0.004615
301	-0.001537	-0.001438	-0.002858	0.007668	0.016736	-0.016783	-0.003277	-0.000328	0.012303	0.005377	-0.01021	-0.00597	0.015472	0.00632
302	-0.015509	-0.013029	-0.009228	0.004011	0.021962	-0.008361	0.007065	-0.020575	0.006276	0.022846	-0.012876	-0.00927	-0.032886	0.028573
303	0.033256	0.008006	-0.031115	-0.035268	-0.00757	-0.004688	-0.000132	0.008373	-0.014416	0.0057	0.035693	0.035346	0.042226	-0.009604
304	0.004898	0.017082	-0.007349	-0.02592	-0.005696	-0.005575	0.006832	-0.018308	0.017601	-0.000395	0.018175	0.022372	0.005816	-0.008279
305	0.004307	0.003644	0.001167	-0.010388	0.037734	0.021264	0.018136	-0.000672	-0.056071	-0.008968	0.022407	0.00978	-0.021227	0.025192
306	-0.014116	0.005333	-0.003363	0.017759	-0.0251	-0.013316	0.003233	-0.011714	0.042236	-0.003511	-0.01327	-0.007058	-0.025535	0.023446
307	0.009189	-0.000941	0.015847	0.012647	0.01454	0.010381	0.017574	0.010211	-0.035762	0.010239	-0.006734	-0.011135	-0.035269	0.028516
308	-0.047798	-0.000979	0.019035	0.019062	-0.021649	-0.007626	0.002413	0.00145	0.025127	-0.011837	-0.010612	-0.008068	0.007921	0.020532
309	-0.02091	-0.001734	0.015368	0.017919	-0.023614	-0.013387	-0.014515	-0.015074	-0.001403	-0.001479	0.000386	0.002754	-0.011676	0.003222
310	-0.015088	-0.024117	-0.017734	0.025845	-0.030921	0.001176	-0.008806	-0.000636	-0.028061	0.00641	0.006829	0.004531	-0.033243	0.019652
311	0.002605	0.014096	-0.001677	0.001359	0.01619	-0.014143	-0.013141	-0.005918	0.015797	-0.011401	-0.024571	-0.021608	-0.00111	-0.016111
312	0.008392	0.036367	0.026995	0.001008	0.002429	-0.008421	-0.03535	-0.0105	0.056594	-0.052054	-0.025157	-0.03108	0.032463	0.018041
313	-0.009389	0.00777	-0.017137	-0.014315	0.006994	-0.005651	-0.005288	-0.007057	0.050068	-0.017989	-0.00644	-0.005192	0.033197	0.002809
314	-0.018379	-0.023822	-0.00211	-0.005334	0.006758	0.019349	0.02448	0.016352	-0.016625	-0.006901	0.011072	0.013255	0.007252	-0.011829
315	0.002795	0.02899	-0.014623	-0.027186	0.007353	0.001457	-0.003912	-0.006741	0.0054	0.009867	0.023145	0.015541	0.033035	0.004656
316	0.003284	0.018659	0.025582	0.009863	-0.030527	0.002124	-0.010009	-0.020109	0.052169	0.031449	0.020465	0.015608	-0.06036	0.002371
317	-0.008543	0.005413	-0.011044	0.002461	-0.01522	0.000844	-0.008456	-0.009431	-0.005624	-0.00956	-0.003609	-0.007071	-0.013656	0.001324
318	-0.020618	-0.000171	0.017249	0.009278	0.02982	0.00998	0.013825	0.013879	-0.023071	0.017239	0.014584	0.013795	0.008703	-0.02116
319	-0.012042	0.000958	-0.008171	-0.017281	-0.0042	-0.003685	-0.003336	0.009565	0.01269	0.026403	0.029808	0.027856	0.02237	-0.006087
320	0.001469	0.017827	-0.024421	-0.01388	0.005774	-0.022748	-0.006627	-0.008004	0.035455	0.000716	-0.012675	-0.010929	-0.013774	0.011332
321	-0.017309	0.017016	0.009884	-0.005203	0.018394	-0.01024	0.003374	-0.021165	0.01705	0.007345	-0.027565	-0.02383	-0.003769	0.003664
322	-0.013677	0.001403	0.001961	0.028866	0.012497	-0.005666	-0.000858	-0.009834	-0.016286	0.023427	0.013475	0.011479	0.001874	0.00301
323	0.012164	-0.006809	0.009884	-0.006721	-0.002975	-0.01846	-0.013533	-0.003197	0.028207	0.002896	-0.016474	-0.012824	0.029921	0.011133
324	-0.004731	-0.014315	-0.019605	-0.029737	0.025246	-0.002384	-0.013634	-0.035693	-0.044606	0.013291	-0.017955	-0.017755	-0.030511	-0.000073
325	0.004059	0.007314	-0.000876	-0.019773	0.013804	-0.00643	-0.028377	-0.029719	0.016308	-0.007877	-0.013006	-0.015596	-0.018811	-0.005949
326	0.011667	-0.009046	0.004789	0.004241	0.018028	-0.004595	-0.012123	-0.030007	-0.039411	-0.013543	-0.018638	-0.020609	-0.060326	0.013422
327	-0.010579	-0.010507	0.004507	0.022118	-0.015638	0.010962	0.004502	0.005953	-0.01565	-0.027157	-0.004972	-0.010455	0.001763	-0.001732
328	-0.036657	0.008434	0.041374	0.018053	0.040639	0.024273	0.024909	0.014763	-0.000682	0.054636	-0.018839	-0.021023	0.011182	0.02074

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
329	0.007466	-0.015951	0.002946	-0.002037	0.037559	0.003091	0.004214	0.019213	-0.011865	-0.011874	-0.00376	-0.002349	0.03318	-0.012977
330	0.022623	-0.020863	0.001147	0.023589	-0.007422	-0.003123	0.006035	-0.00106	0.019487	-0.011999	-0.003724	-0.000108	-0.018864	-0.002535
331	0.007997	-0.026853	-0.015724	-0.014998	0.010379	-0.012873	-0.015135	-0.002691	-0.019149	0.013131	0.025403	0.023164	0.01858	-0.006306
332	0.015129	0.018513	0.014229	0.008537	-0.033041	-0.008851	-0.020673	-0.01902	-0.038342	-0.003137	-0.005435	-0.005914	0.002693	-0.008218
333	0.011328	-0.006117	0.008261	-0.00834	0.028628	-0.000432	-0.017847	-0.016647	0.002005	0.019083	0.002998	0.000568	-0.003106	-0.003166
334	0.0171	0.022615	0.030882	0.003385	0.010602	-0.030175	-0.013471	0.013398	-0.029197	-0.018736	-0.010054	0.000443	0.00043	-0.012242
335	0.017333	-0.001985	-0.000429	-0.022683	0.021026	0.0016	-0.014146	-0.00833	0.048316	0.012334	0.009456	0.006817	-0.00776	0.007791
336	0.009827	0.013171	0.013209	0.034451	-0.031778	0.002228	0.000795	-0.004167	0.006824	0.007555	0.012666	0.012817	-0.00814	-0.028191
337	0.029288	0.012032	-0.028843	-0.016789	0.000035	0.007581	-0.004168	0.010004	-0.060806	-0.03017	-0.002104	-0.010674	0.002091	0.020931
338	0.004412	0.025711	0.059687	0.056919	0.000485	-0.007017	-0.01617	-0.002432	-0.021717	-0.015914	-0.042558	-0.035404	-0.027001	-0.029751
339	-0.003081	0.026344	0.019237	0.052199	0.036387	-0.021713	0.004763	0.015289	0.046597	0.028783	0.007022	0.019747	0.025429	-0.020898
340	0.04183	0.035362	0.024171	0.001657	0.003048	-0.01289	-0.007304	0.017673	0.037412	-0.022005	-0.012045	-0.014775	0.009862	0.008099

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
1	-0.019972	-0.029919	-0.06797	-0.112135	-0.048326	-0.014185	0.043724	0.052211	0.037556	-0.027509	-0.006959	0.029641	0.028455	0.081909
2	0.005787	-0.008194	-0.079293	0.064965	0.033287	0.062406	-0.011252	-0.038567	-0.022216	0.0133	0.017527	0.05573	0.007751	0.057427
3	0.070426	0.035073	0.006146	0.027162	0.038587	0.049711	0.00742	-0.080276	-0.082336	-0.026279	0.024089	0.015266	-0.007264	0.066423
4	0.018517	0.030807	-0.060652	0.082726	0.019021	0.036128	-0.024979	0.008486	0.013494	0.048651	0.047718	-0.00023	0.041525	-0.000846
5	-0.065641	-0.037534	0.054025	-0.003912	-0.028711	0.012405	0.127901	-0.017333	-0.020684	-0.023859	0.029956	0.050714	0.007852	-0.035681
6	-0.008017	0.020206	-0.009172	-0.014318	0.058615	0.064382	0.055819	-0.008787	0.010154	0.054493	0.049388	0.115869	0.136484	0.028995
7	0.032817	0.040997	-0.024737	-0.009565	-0.038097	-0.012301	-0.02729	-0.034784	0.003562	-0.020075	0.004914	0.029432	-0.056686	-0.007419
8	-0.033755	-0.067592	-0.06282	-0.001786	-0.014771	-0.006877	-0.001932	0.008546	0.011829	0.03014	0.02352	-0.043559	0.007617	-0.027165
9	0.060107	0.10273	0.053809	-0.05007	0.031475	0.05158	0.08274	-0.010747	0.026801	0.007486	0.034522	0.039185	-0.028729	-0.050746
10	0.018387	0.021461	0.086268	0.052416	0.015063	-0.002602	-0.016999	0.020173	0.033392	-0.011457	-0.044156	-0.072426	-0.047084	-0.016008
11	-0.036901	-0.020123	-0.000189	0.007554	0.022332	0.045914	0.018638	0.030466	0.035576	-0.015378	-0.008256	-0.006781	0.002574	-0.011421
12	0.023781	-0.029454	-0.030671	0.070431	-0.052303	-0.094119	-0.052087	-0.016406	-0.024453	0.028462	-0.000791	0.008657	0.0021	-0.013678
13	0.040185	0.039284	-0.017522	0.031113	-0.049471	-0.052117	0.036425	-0.008018	-0.027188	-0.116584	-0.059521	-0.054354	-0.037328	0.079902
14	-0.018879	-0.038315	-0.034668	-0.067172	-0.019418	-0.057591	-0.062878	0.004243	0.025433	-0.055065	-0.058464	-0.017564	0.01291	0.078129
15	0.00245	0.012516	0.020564	0.088873	0.003585	0.013076	-0.057118	0.032054	0.036694	0.015482	0.066833	-0.059811	-0.020377	-0.136171
16	-0.060118	-0.088816	-0.034849	-0.034874	0.002557	0.007425	-0.022001	0.038056	0.043124	0.057268	0.01718	-0.033474	-0.01974	0.004904
17	-0.028623	-0.044857	0.012148	0.026079	-0.050501	-0.063277	-0.031318	-0.001585	-0.009094	-0.089015	-0.046844	-0.05952	0.010623	0.012458
18	0.106351	0.094346	0.00251	0.056115	0.059149	0.036133	-0.001478	-0.02824	-0.015941	-0.025113	-0.045313	-0.050593	-0.000888	-0.036709
19	-0.047294	-0.025582	-0.009274	0.095141	0.004227	0.019342	0.040898	-0.059769	-0.066375	-0.054462	-0.017566	-0.072601	-0.033487	-0.03373
20	0.082864	0.074781	0.033164	-0.103691	-0.082682	-0.050918	0.052724	0.011195	0.002543	-0.030192	-0.070708	0.017015	0.08514	-0.057459
21	-0.078629	-0.065585	0.004066	-0.079711	0.008121	0.027096	0.038481	0.033921	0.041498	-0.018069	-0.036971	-0.006502	-0.025807	0.019934
22	0.024897	0.002884	-0.027979	-0.028529	0.0166	0.014076	-0.004825	0.063941	0.086705	0.028341	0.021623	-0.04027	0.035485	-0.001943
23	0.030423	-0.001955	0.060291	-0.023857	0.044267	0.0097	0.00324	-0.006864	-0.007581	-0.025221	-0.02815	-0.0429	-0.080116	0.005704
24	-0.003828	-0.013083	-0.040204	0.007893	-0.02367	-0.010521	-0.018028	0.019976	0.000772	0.081714	0.048053	-0.042311	-0.031103	-0.060735
25	0.031828	0.034783	0.063905	0.012697	-0.063608	-0.058526	-0.007324	-0.017914	-0.029571	-0.00757	0.023746	0.074285	0.052165	0.054106
26	0.017964	-0.016458	-0.021978	-0.04323	0.005778	-0.048118	-0.057014	0.006003	-0.033778	-0.01338	-0.035938	0.036242	-0.021926	0.015379
27	-0.002277	-0.001985	0.026642	0.063483	0.016787	0.015598	-0.052599	-0.002097	-0.003216	0.065083	0.029771	0.003216	-0.060963	-0.00129
28	0.039293	0.035322	0.01976	0.008916	0.049412	-0.001663	-0.02924	-0.065039	-0.102712	0.019497	-0.014414	0.006663	-0.045446	-0.006031
29	0.016399	0.018851	0.000378	-0.019351	0.006356	0.000915	0.011808	0.019598	0.005834	0.008635	-0.010043	0.006752	-0.004044	-0.008898
30	0.03209	0.042811	-0.030106	-0.090328	0.018221	-0.009652	0.006771	0.010081	0.009177	-0.032526	-0.022413	0.070931	0.067112	0.04414
31	-0.043921	-0.048151	-0.012058	-0.038634	-0.081785	-0.100848	-0.011868	0.024948	0.019861	-0.010533	-0.02253	-0.043643	0.032251	0.008807
32	-0.034512	-0.013887	0.016094	0.071903	-0.093059	-0.076846	0.01281	0.012713	0.012881	-0.003378	-0.00298	0.023322	0.007696	-0.00639
33	-0.052304	-0.035945	-0.029884	-0.038005	0.022984	0.012579	-0.001454	0.030149	0.015929	0.034896	0.031682	0.038958	0.012766	0.015214
34	0.039747	0.048981	-0.028854	-0.033341	-0.037759	0.017724	-0.075051	0.029779	0.062036	0.06191	0.041919	0.000282	0.001154	0.049013
35	0.019191	0.007946	0.014271	0.072662	-0.056856	-0.018554	-0.06423	0.007842	0.026558	-0.000709	0.009832	-0.060159	0.02926	0.027564
36	0.027698	0.065571	-0.004329	0.063723	0.043408	0.03938	0.0121	-0.050392	-0.047498	0.028828	0.063479	0.031762	-0.021878	0.067434
37	0.046215	0.041709	-0.061573	-0.076286	-0.0756	-0.096029	-0.114719	0.012562	0.011391	0.046219	0.008231	-0.046088	-0.031614	-0.008888
38	-0.01215	0.025043	0.0145	-0.013724	0.021883	0.04577	0.023367	0.031863	0.029064	0.031818	0.021882	0.054576	0.052797	0.035678
39	0.05709	0.014852	0.002678	0.062189	0.039756	-0.003937	0.016752	-0.018974	-0.048565	0.019795	0.018122	0.062119	0.036166	-0.024383
40	-0.073625	-0.085834	-0.039502	0.024848	0.048613	0.031217	0.035331	-0.014016	-0.028349	-0.034756	-0.077697	-0.037604	-0.024165	-0.039872
41	-0.032016	-0.024498	0.006738	0.063076	-0.036428	-0.031329	-0.073959	-0.0028	-0.003355	-0.012796	0.005406	-0.001957	0.001948	-0.009939

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
42	0.010061	0.022685	0.012581	-0.006049	-0.002721	0.014298	0.014888	0.002398	0.008509	0.003229	0.000826	-0.018867	-0.010832	-0.028745
43	-0.014819	0.016541	0.009805	-0.011364	0.012172	0.01997	0.017653	0.038145	0.027459	0.062578	0.071065	0.087704	-0.002823	0.000334
44	0.004387	0.020421	-0.011471	-0.075812	0.112827	0.106893	0.072801	-0.020617	-0.016739	0.040944	0.024488	-0.002825	0.020269	-0.030275
45	0.016277	0.015254	0.096033	0.021038	0.063211	0.010512	0.058643	-0.036548	-0.045804	-0.063482	-0.082417	-0.054092	-0.012557	0.028617
46	-0.032187	-0.042707	-0.017872	0.041695	-0.033322	0.000352	0.00771	-0.005907	0.01707	0.058964	0.037845	0.085832	0.000702	0.028821
47	0.023137	0.032876	-0.037353	0.022244	-0.009357	0.055549	0.056082	0.010587	0.032283	0.01426	0.063561	0.09851	0.040132	-0.009295
48	-0.007335	0.041878	-0.013475	-0.076218	-0.094784	-0.055695	-0.072484	-0.037729	-0.018028	-0.043053	-0.016101	0.000283	0.016675	0.024463
49	-0.00119	-0.0023	0.027716	0.005617	-0.034044	0.004057	0.003212	-0.038273	-0.042372	-0.072667	-0.015873	-0.008799	0.003163	0.011147
50	-0.049021	-0.036648	0.005959	-0.036658	-0.014173	0.03639	0.029418	0.004593	0.023577	-0.002955	0.042959	-0.068529	0.008821	-0.112532
51	0.015578	0.013377	-0.095707	-0.025647	-0.025977	-0.026433	-0.017662	0.038061	0.036153	-0.014465	-0.030425	-0.03206	-0.01889	-0.094161
52	-0.047078	-0.05345	0.071137	0.05157	0.067982	0.060444	0.069779	0.010854	-0.001904	0.08964	0.0417	0.042475	-0.021539	0.015119
53	0.025959	0.03366	-0.071722	-0.029049	0.077131	0.017382	0.000912	-0.022553	-0.054309	-0.08242	-0.12265	-0.022395	-0.009831	-0.02708
54	-0.019265	-0.001264	-0.086033	0.003294	0.027819	0.033868	-0.062813	0.071347	0.105923	0.03878	0.01947	-0.050892	-0.047406	0.040611
55	-0.030321	-0.046938	0.003222	-0.001611	0.021397	0.028857	-0.000916	-0.007751	-0.019904	0.020601	0.049841	0.023099	-0.021957	0.018637
56	-0.086437	-0.126969	-0.028742	-0.01324	0.078058	0.066372	0.023087	-0.064089	-0.043379	-0.054129	-0.03565	-0.097334	-0.056307	-0.035033
57	0.014302	0.022033	0.011408	-0.017148	0.076415	0.095139	0.038095	0.009622	0.016845	-0.02641	-0.000457	0.006474	0.013439	-0.030308
58	0.037164	0.042989	0.109863	-0.063368	0.046885	0.058677	0.047842	0.051731	0.050526	-0.071819	-0.064443	-0.026265	-0.043575	-0.018835
59	0.020091	0.023377	-0.051172	0.008277	-0.02265	-0.002219	-0.018637	0.03441	0.044899	0.025321	0.046105	0.009678	-0.029121	-0.027963
60	-0.098026	-0.058728	0.056439	-0.142431	-0.014629	-0.033203	0.015461	-0.010662	0.005924	0.012211	0.049135	0.021954	0.007146	0.07645
61	-0.017492	0.013506	0.078369	-0.094683	-0.144864	-0.107317	-0.022341	-0.002964	-0.01681	-0.047322	-0.031996	0.008189	-0.031237	-0.015556
62	0.053641	0.086163	0.042438	0.024786	-0.061374	-0.012628	-0.103522	-0.010394	0.027902	0.01094	-0.004948	-0.100682	-0.005626	-0.058417
63	-0.030063	-0.066955	0.019037	0.118396	-0.034197	-0.040482	-0.052529	0.058116	0.018491	-0.022161	-0.033433	-0.151771	0.010858	-0.009487
64	0.030548	0.073198	0.045414	0.012016	-0.024152	0.024733	0.0369	-0.005206	0.028708	0.006617	0.022825	-0.009971	0.056514	0.023009
65	0.030775	0.022185	0.019327	0.114824	-0.005813	-0.006113	-0.069848	-0.021738	-0.028791	-0.056519	-0.040042	-0.053246	0.01014	0.033732
66	-0.029855	-0.058177	-0.014981	-0.082449	-0.072289	-0.058667	-0.085424	0.007234	0.018489	0.026349	-0.009999	-0.020293	0.011025	-0.044695
67	0.047689	0.048925	-0.073604	0.070066	0.068358	0.057426	0.026779	-0.020418	-0.013763	-0.027316	-0.004837	0.02801	-0.010415	0.045534
68	-0.008871	-0.001396	0.041763	0.063265	0.025061	0.010439	0.020566	0.029362	-0.008968	0.094727	0.078331	0.08057	0.004266	0.036889
69	0.016233	0.01365	-0.064514	0.041578	0.051892	0.025429	-0.045462	-0.015414	-0.003132	-0.010197	-0.006198	0.032464	0.013642	0.039201
70	0.072001	0.0487	0.027937	-0.048951	0.000549	-0.013031	-0.05525	-0.028254	-0.044696	-0.08817	-0.099942	-0.055756	0.020076	0.015916
71	-0.059381	-0.070999	0.059846	-0.018134	0.008733	-0.01507	0.005828	0.026957	0.020749	0.064978	0.062996	0.044197	-0.010763	0.028774
72	0.043746	0.075654	0.042652	-0.051608	-0.060943	-0.01308	-0.024358	-0.009263	-0.015539	0.000053	0.035921	0.015104	-0.014418	-0.062671
73	0.007792	-0.006637	-0.047632	0.052188	0.051936	-0.033469	-0.058333	-0.018741	-0.081881	-0.068023	-0.052089	-0.044811	0.021867	-0.035465
74	0.021095	0.04301	0.051476	0.038705	-0.047425	-0.061646	0.030872	0.023347	0.01929	-0.00873	0.012605	0.067705	0.009246	0.056879
75	-0.032807	-0.067364	0.059842	-0.031162	-0.0248	-0.086999	0.050186	0.054559	0.04018	0.050601	0.053795	0.064649	-0.044976	-0.034346
76	0.013305	0.01715	-0.031448	0.020021	0.062282	0.047209	0.074492	-0.080339	-0.086449	0.014464	0.000217	0.045803	0.025852	0.043423
77	-0.040302	-0.018419	-0.048339	0.095922	0.018436	0.047101	-0.004965	0.03489	0.024527	0.046984	0.021117	0.00825	-0.003607	0.050523
78	-0.01171	0.080269	0.032574	-0.015669	0.026445	0.071557	-0.006449	0.014381	0.020652	0.096437	0.118991	0.02794	-0.027472	-0.162892
79	-0.014689	-0.015835	0.061552	-0.074359	-0.021837	0.030265	0.001079	-0.007635	0.027348	0.02836	-0.008243	-0.013691	0.013837	-0.037121
80	0.03202	0.046995	-0.007715	0.018979	0.011314	0.041504	0.060295	-0.007885	-0.00274	0.038905	0.077225	0.063533	-0.022332	0.007184
81	-0.018938	-0.080661	0.000393	0.034801	-0.009076	0.004027	-0.013361	0.00699	0.031227	-0.022555	-0.009761	0.015739	0.001841	-0.008976
82	-0.077601	-0.039184	-0.045773	-0.005389	0.003712	0.003809	-0.022887	-0.04161	0.000687	-0.033975	0.003604	-0.091195	0.042875	-0.029166

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
83	0.096299	0.089552	0.056448	-0.041886	-0.041932	0.002429	0.055682	-0.004308	-0.015548	0.008254	0.026531	0.056372	0.001255	0.041361
84	-0.043758	-0.054748	-0.069598	0.125628	-0.026033	0.007665	0.027578	-0.058375	-0.048191	-0.044839	-0.024196	-0.072321	-0.033387	0.010033
85	0.006525	0.020484	0.047848	-0.017755	0.060971	0.060532	0.013314	-0.009709	-0.000802	0.022649	0.030096	0.020416	-0.019489	0.050102
86	0.046817	0.030747	-0.023542	-0.016593	0.004138	0.00863	0.081165	0.011891	0.03575	0.020491	0.003329	0.045795	-0.043402	0.000747
87	-0.06982	-0.033351	-0.044521	-0.014794	0.043455	0.052178	-0.012613	0.022913	0.01807	0.045802	0.011984	0.036912	0.053242	-0.02617
88	-0.005481	-0.013558	-0.00475	0.147314	0.094234	0.00483	-0.005386	-0.019608	-0.041863	0.028023	0.034945	0.00773	-0.066367	0.04175
89	-0.028715	-0.031505	0.050615	-0.119382	0.076431	0.041727	0.059851	-0.0115	-0.026418	-0.056541	-0.04781	-0.075478	-0.026487	0.04008
90	0.029366	0.01052	0.043791	-0.00624	0.019785	0.043258	0.030095	-0.013039	0.008093	-0.051348	-0.030262	0.030139	0.041853	-0.051166
91	0.010168	0.061463	0.014339	0.06149	0.063641	0.014695	-0.002217	0.055419	0.048293	0.034839	0.00668	0.061656	-0.003299	-0.008536
92	0.019137	0.033611	-0.008312	-0.045999	0.005233	0.010335	0.032365	-0.021361	-0.023127	-0.003461	0.024983	-0.015906	0.002094	-0.003537
93	-0.011593	-0.047609	-0.050873	0.0624	0.00409	0.04135	0.021224	0.02089	0.021598	-0.036383	-0.043099	-0.009163	0.047716	-0.031602
94	-0.022991	-0.061017	-0.020419	0.019627	-0.024401	-0.012322	0.005501	0.02984	0.039598	0.012287	0.011061	-0.003676	0.030682	0.077907
95	0.001536	-0.0322	0.020803	0.024106	0.01032	-0.01371	0.01678	-0.048517	-0.052286	0.004362	-0.013775	0.038014	-0.02022	-0.071008
96	0.016298	-0.004608	0.024455	-0.001677	0.032179	0.028163	0.010574	0.010653	0.030953	0.019785	0.009955	-0.075755	0.024382	-0.041223
97	-0.038346	0.052154	0.000142	-0.063104	-0.019806	-0.020334	0.009275	-0.022101	-0.021983	-0.033829	-0.025054	-0.046433	-0.018748	-0.066411
98	-0.02949	0.049579	0.038749	0.031451	-0.023026	0.099772	-0.093904	0.004162	-0.068891	0.00735	0.005944	-0.077643	-0.021372	0.018832
99	0.017284	0.074029	0.091045	-0.030122	-0.048808	-0.040883	0.012826	-0.078201	-0.020217	-0.03161	-0.164663	-0.075425	0.032661	-0.080314
100	0.006807	-0.003449	0.023879	-0.027191	-0.025775	-0.036086	0.010598	-0.009021	-0.011304	-0.000025	-0.003894	0.005967	-0.012638	-0.018541
101	0.006371	0.010876	0.002106	-0.019125	0.014321	0.013862	0.010732	-0.002547	0.004762	-0.011442	-0.010689	0.006296	0.009564	0.01317
102	-0.000875	0.024777	-0.000819	0.004038	-0.022231	-0.007806	0.010885	0.004466	-0.000178	0.001417	0.008911	0.00318	0.015182	0.007135
103	-0.005978	-0.025796	-0.018876	-0.016064	-0.014088	-0.035653	-0.005452	0.010627	0.019911	-0.013833	-0.021155	0.018142	-0.004952	-0.005261
104	-0.010005	-0.012128	0.007777	0.006058	-0.000929	-0.007103	0.040001	-0.001152	0.000815	0.005881	0.008552	0.004496	-0.005118	0.012229
105	0.029687	0.030703	0.024731	0.036339	0.003699	0.012975	0.02189	0.006805	0.01149	0.013261	0.015767	-0.009194	-0.00138	-0.016241
106	-0.020065	-0.012944	-0.00197	0.000281	-0.012705	-0.016204	-0.019872	0.020274	0.006284	0.009907	0.003536	0.018264	-0.002394	0.020768
107	0.015991	0.042063	-0.004812	0.009404	-0.012156	0.005733	-0.005524	-0.019528	-0.009429	-0.009885	-0.00805	0.045047	-0.009777	0.014195
108	-0.011463	-0.018045	0.006851	-0.01438	0.041924	0.058632	0.004681	-0.02642	-0.00301	-0.000796	0.003452	-0.013141	0.020906	0.006526
109	0.006948	-0.011313	-0.017911	0.003859	-0.018973	-0.042341	-0.042766	-0.005395	-0.018507	-0.018599	-0.017488	0.013359	0.011748	0.017674
110	0.016763	-0.019724	0.00051	0.073315	-0.027869	-0.039742	0.035905	-0.006857	-0.009038	-0.054818	-0.055251	0.013481	0.030226	0.044031
111	-0.01867	-0.009793	-0.011122	0.009806	0.018152	0.03278	0.030072	0.014598	0.034271	0.040718	0.06428	0.000371	-0.048866	-0.035845
112	-0.017377	0.00044	0.008249	-0.059005	0.002324	0.028722	0.007066	-0.02238	-0.036755	0.004735	0.001841	0.000396	0.002724	0.004327
113	-0.016656	-0.038797	0.005778	0.034433	0.013464	0.011191	-0.020952	-0.010092	0.002085	-0.033894	-0.007466	-0.019085	-0.034637	0.043153
114	-0.010985	0.019774	-0.038172	-0.007896	0.048005	0.051523	-0.012875	-0.008429	0.003915	0.014495	0.019223	0.042303	0.018009	0.003598
115	0.033375	0.009497	-0.019599	0.027421	-0.003814	-0.013075	0.006313	-0.021185	-0.031833	-0.011952	0.004898	0.024492	0.018647	0.010386
116	0.019471	0.012073	-0.010855	0.005937	0.01018	0.030119	0.002301	0.001648	-0.012337	0.004086	0.011841	0.004223	-0.013192	-0.019221
117	-0.000455	-0.007699	0.024783	0.032228	-0.013575	-0.016736	0.022893	-0.005592	-0.00311	-0.006089	-0.001542	-0.003136	0.003608	0.002503
118	-0.012041	-0.036073	-0.025645	0.05619	0.062281	0.017554	-0.027106	0.004045	-0.003502	0.006704	0.015212	-0.00133	-0.006916	0.007931
119	-0.000005	-0.018073	-0.000416	-0.021672	0.022485	0.011689	0.021325	-0.017761	-0.016009	-0.002351	0.002033	0.007351	-0.011961	-0.005462
120	-0.020202	-0.009245	0.010246	-0.02009	-0.013523	0.01183	-0.005247	-0.004997	-0.000983	0.013461	-0.002222	-0.005009	0.003219	-0.019839
121	-0.000581	0.013695	-0.003619	-0.000301	-0.026043	-0.029457	-0.024874	-0.001693	-0.007765	0.003004	-0.022356	-0.021441	0.005856	0.001224
122	-0.032338	-0.016665	0.010878	-0.001418	-0.011349	-0.003617	-0.01955	0.009316	-0.00764	0.003268	0.000745	0.009806	0.02481	0.01678
123	0.02032	0.002148	-0.028944	0.057372	0.002143	0.003324	-0.046489	-0.008995	-0.013887	0.005154	-0.012829	-0.005962	0.017689	-0.002847

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
124	0.022305	0.024325	0.019853	-0.000915	0.001642	0.000011	-0.005398	-0.007198	-0.013299	0.027311	0.00205	0.013529	-0.0299	-0.012751
125	0.011316	0.009831	0.009748	0.060465	0.00711	0.043014	-0.039726	-0.0142	-0.036362	0.013729	0.000552	-0.029921	-0.007631	0.005625
126	0.039053	0.017295	0.011288	-0.000853	0.023944	0.011823	-0.003202	0.008908	-0.003304	0.014052	-0.005494	0.022173	-0.005105	0.021756
127	0.029623	-0.001479	0.008433	-0.019561	0.02144	0.001062	0.012633	0.000247	-0.016602	-0.004502	-0.02071	0.028458	0.01071	-0.005004
128	0.004223	-0.011529	0.000569	0.024559	0.012137	-0.004083	0.007171	-0.003363	-0.012908	0.003751	-0.010117	0.00923	-0.013382	0.014767
129	-0.040785	-0.020034	0.037483	-0.003833	-0.024903	-0.014347	0.016352	0.0358	0.02164	0.020671	0.017978	0.049181	0.003082	-0.017298
130	-0.007681	0.013105	-0.006848	-0.028047	-0.033851	0.003331	-0.04416	0.001805	-0.006332	0.017941	-0.008052	-0.032165	0.019245	-0.007999
131	0.009409	0.034106	0.016448	0.003466	-0.04753	-0.014327	-0.023266	-0.008646	0.017274	-0.00698	-0.002346	0.003799	-0.022436	0.046682
132	0.012366	-0.003878	-0.010606	0.028023	-0.001049	0.033388	-0.012644	0.004121	0.008919	0.001272	0.007411	0.000023	0.010684	-0.000077
133	0.025268	0.003545	-0.0105	0.029767	0.019061	-0.017454	0.028855	-0.011707	-0.019459	-0.008059	-0.011956	0.02618	-0.011493	0.019576
134	0.014166	-0.023537	-0.034789	-0.02542	0.003029	0.001046	0.011853	0.028006	0.019335	0.02213	0.023511	0.008375	-0.013778	-0.00444
135	0.006544	0.004377	0.009051	-0.005524	0.002535	0.008601	-0.010008	-0.006133	0.004883	0.015309	0.000827	-0.020045	-0.022974	-0.008121
136	-0.014332	0.003229	0.005637	0.03799	-0.021375	0.025746	-0.026157	-0.010482	-0.016839	0.003405	0.022185	-0.012869	0.015413	0.03144
137	-0.005862	-0.040512	-0.015408	-0.001929	0.022433	-0.005916	0.001423	0.010266	0.01546	0.01489	-0.005812	0.002921	-0.002057	-0.008408
138	-0.030737	0.001014	0.018435	-0.05422	0.024614	0.037347	0.016421	0.005516	0.009813	0.024421	0.01815	0.018695	-0.003308	-0.008838
139	-0.001728	0.015781	0.0066	-0.032106	0.017492	0.008525	-0.03273	0.002166	0.020632	-0.019277	-0.031243	-0.040544	-0.000291	0.013314
140	-0.004327	-0.00666	0.023542	-0.020294	-0.005292	-0.018355	0.00575	-0.021609	-0.027476	-0.025854	-0.014051	0.012481	0.032547	0.048941
141	-0.013157	-0.014727	0.012437	-0.018585	-0.01077	-0.008524	-0.005401	0.003923	-0.004085	0.03441	0.012181	-0.013632	0.029789	-0.004972
142	-0.025041	-0.039049	-0.026166	0.034485	0.022582	0.015468	-0.009789	-0.008472	-0.005403	0.016092	0.019978	-0.014344	-0.004148	0.029579
143	-0.012808	0.053434	0.030398	0.012217	0.029513	0.010334	0.016542	-0.010409	-0.025436	0.017242	0.001281	0.013644	0.016771	0.020677
144	0.015398	-0.00863	0.021458	0.002394	-0.02302	-0.002065	0.03747	-0.002565	0.003273	-0.007987	-0.005017	0.004441	-0.006056	-0.011143
145	0.004529	0.027848	-0.018996	0.015981	0.001049	0.03671	0.012043	-0.00124	0.024178	-0.004165	0.006408	0.003063	0.026208	0.019924
146	0.010113	-0.012597	-0.013112	-0.021655	0.002355	0.02133	-0.007179	-0.000967	0.010976	0.01	-0.011107	-0.007972	0.007962	-0.005636
147	-0.00363	0.00017	0.010614	0.002091	-0.004638	0.025553	0.004158	0.009694	0.005847	-0.016437	-0.032469	0.023733	0.017995	0.012079
148	-0.005505	-0.028697	0.006575	-0.033163	0.03023	0.00725	0.015497	0.028282	0.042232	-0.026878	-0.028204	0.013397	-0.006911	0.046526
149	-0.016435	-0.016883	0.01855	-0.020122	-0.030474	-0.035923	-0.015305	0.005684	0.012765	-0.038123	-0.018941	-0.024279	-0.018284	0.012227
150	-0.021397	-0.005982	0.030931	-0.035571	-0.01531	0.016829	-0.04563	0.036831	0.011242	0.033604	0.010761	-0.002568	0.004207	-0.005059
151	-0.005986	-0.005248	0.016854	-0.01006	-0.022523	0.003935	0.024659	0.020872	0.007677	-0.007823	-0.007326	0.024652	0.043652	0.011036
152	-0.017526	-0.000294	0.015413	-0.026211	0.024677	0.001691	0.015961	0.003745	-0.007915	0.007493	-0.010969	0.009966	-0.004058	-0.026089
153	-0.014514	-0.041164	-0.042143	-0.021022	-0.000795	-0.001757	-0.019563	0.025205	0.023581	-0.001785	-0.012663	0.023686	0.04488	-0.003172
154	0.002367	-0.010058	-0.001345	0.005798	-0.038758	-0.01016	0.01847	0.031967	0.030645	0.014322	0.01522	0.013028	0.007375	0.008165
155	0.028363	0.028796	0.001335	-0.01193	-0.00495	0.013683	-0.000226	0.007642	0.017573	0.025913	0.021807	0.020286	0.013961	-0.02111
156	0.032034	0.030004	-0.025147	-0.000948	-0.066327	-0.0291	-0.043022	-0.007263	0.025809	-0.026858	-0.046608	-0.014107	0.020244	0.019399
157	0.006081	0.015103	0.013274	0.00978	0.000128	0.000563	0.000155	-0.016447	-0.020294	0.011301	0.010437	-0.021074	-0.053003	-0.008288
158	0.006789	-0.003311	0.004179	-0.052239	-0.021109	-0.028296	-0.006026	0.004332	-0.018692	0.012598	-0.000567	0.020699	-0.005655	-0.027278
159	-0.023824	-0.028463	-0.002609	0.009818	-0.024251	-0.005888	0.012028	0.008371	0.023748	0.027818	0.022996	0.029556	0.004064	-0.049037
160	-0.015837	-0.018372	-0.012903	-0.005823	-0.025806	-0.000997	-0.02773	-0.034879	-0.042592	0.004604	-0.002071	0.029781	-0.019109	-0.050405
161	-0.008976	0.015298	-0.022233	0.036695	0.016548	0.003507	-0.036076	-0.007908	-0.033485	-0.025183	-0.012236	-0.030179	-0.019221	0.02991
162	-0.003834	0.003854	0.025099	-0.007653	0.007856	-0.004801	0.027989	-0.015573	0.004231	-0.027475	-0.00991	-0.044831	-0.032576	0.004046
163	-0.012691	0.006588	0.026919	-0.04105	0.008094	-0.007487	-0.011768	0.004123	0.016122	0.000477	-0.002306	-0.040055	-0.021596	0.000529
164	0.015927	0.02004	0.028325	-0.004337	0.007432	0.023313	0.021495	0.001185	0.012633	-0.008612	-0.00453	0.000462	0.005853	0.005183

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
165	0.045032	0.037723	0.000304	-0.003526	0.009382	0.010538	0.026904	-0.023401	-0.02942	-0.000087	0.016692	0.042821	-0.011657	0.00225
166	-0.014055	0.000416	-0.002898	0.006486	-0.015028	0.014433	-0.032494	0.006749	0.026961	0.041207	0.050878	0.016573	-0.019669	0.000581
167	-0.015982	-0.001479	0.032992	0.031748	0.02114	0.042816	-0.010654	-0.022935	0.004716	-0.004676	0.000644	-0.036854	0.025319	-0.035427
168	-0.003808	-0.003958	0.007047	0.013166	0.011566	-0.023939	-0.013264	-0.004208	-0.01403	-0.027218	-0.039961	-0.049011	-0.027985	0.00066
169	0.003773	0.01	0.031551	-0.042443	0.008098	-0.006045	0.013079	0.010154	0.021441	0.001326	-0.008066	-0.010593	0.009731	-0.016451
170	0.000429	0.001903	0.013906	-0.038253	-0.020813	-0.018074	0.015043	0.024686	0.027919	0.008156	-0.003966	0.027248	0.013904	-0.017081
171	0.001099	-0.004987	0.012644	-0.023098	-0.00004	-0.022794	-0.007684	0.00741	0.014495	0.000534	-0.014222	-0.005776	0.021394	-0.014108
172	0.009934	0.006946	0.03985	-0.015635	0.028742	0.009822	0.008575	-0.002737	-0.003225	0.009515	-0.001035	-0.00997	-0.004333	-0.010907
173	0.01865	0.005795	0.012098	0.008529	-0.006154	-0.032145	0.000153	-0.004061	-0.007414	-0.004788	-0.003661	-0.004046	0.020824	0.009836
174	0.012615	0.008739	-0.005465	0.024307	-0.009281	-0.028708	-0.004854	0.010005	0.014153	0.014247	0.003874	-0.011189	0.004051	0.012454
175	-0.019739	-0.016174	0.005873	-0.020346	-0.000505	-0.031113	0.00964	0.023791	0.023123	0.020873	0.017779	-0.001254	-0.04231	-0.017248
176	0.00002	0.008824	0.035403	0.001811	0.026777	0.012858	-0.008988	0.009187	0.002623	0.021803	0.008419	-0.009684	-0.027133	-0.011765
177	0.025197	0.066927	0.033787	0.018888	-0.020211	-0.010566	-0.004193	0.037873	0.046261	-0.027614	0.009565	0.007231	-0.009608	-0.055223
178	0.002481	0.015308	-0.001649	-0.015664	0.037489	-0.005169	-0.000634	-0.003725	-0.003928	-0.013194	-0.026692	-0.007575	-0.017043	-0.013461
179	-0.015003	-0.018744	-0.014476	0.016376	0.014644	-0.002285	0.005846	-0.010593	0.002334	-0.007297	-0.00496	0.003663	0.016228	0.000849
180	-0.004006	-0.005233	-0.015069	0.02336	0.01323	0.003858	-0.010362	-0.006121	-0.009897	-0.011628	-0.001738	0.006379	0.009317	0.011567
181	-0.006559	-0.014126	-0.014914	0.010194	-0.003629	-0.010876	0.000464	0.002674	0.003696	-0.008492	0.0001	0.023327	0.019297	0.014209
182	-0.017738	-0.042772	0.001616	0.007441	-0.01595	-0.036695	0.026441	0.017448	0.008617	-0.004194	0.006019	0.043532	0.004251	0.00171
183	-0.016956	-0.036504	-0.007526	0.010976	-0.014031	-0.022113	0.001824	0.013103	0.014887	0.01017	0.019958	0.031886	0.013582	-0.002014
184	0.001347	-0.01518	-0.042034	0.007589	0.015724	0.02049	-0.058595	0.003364	0.005641	0.017497	0.021149	-0.031642	0.006113	-0.028156
185	0.046038	0.03567	0.027822	0.028811	0.039576	0.004103	-0.006618	0.00574	0.008451	0.020754	0.022095	0.024693	0.004138	-0.017382
186	0.006422	0.028276	-0.003723	-0.038752	-0.033396	-0.019268	-0.038448	-0.001846	-0.020043	0.014418	0.017005	0.021258	0.033495	0.01027
187	-0.006988	-0.006927	0.015213	0.001912	0.015541	0.027101	0.027495	0.002078	-0.010757	0.00648	0.023483	-0.004543	0.009505	0.017498
188	0.003101	0.003431	0.007668	-0.003396	0.003266	0.020369	0.015662	0.008864	0.012732	0.006857	0.013552	-0.000352	0.017509	0.01123
189	-0.000225	-0.005973	0.009671	-0.030606	-0.024909	0.017261	0.030083	0.020681	0.050883	0.025935	0.009018	-0.011039	0.012005	0.013425
190	-0.005424	0.006394	0.001524	0.032057	0.016562	-0.001444	-0.010252	0.004134	-0.00979	0.021851	0.01805	-0.021212	-0.034024	0.001176
191	0.006552	0.017705	0.001901	-0.002718	-0.007042	-0.009847	0.018541	-0.017828	-0.018022	0.007536	0.011392	-0.001418	-0.005593	0.005788
192	-0.006807	-0.011017	0.011565	0.009086	-0.023197	0.003355	0.053193	-0.019406	-0.017077	-0.009291	0.022139	0.006647	0.022339	-0.007811
193	-0.017435	-0.024216	-0.005386	0.025895	0.010308	0.005294	0.015792	-0.017127	-0.014519	0.000109	0.007502	-0.000541	-0.008611	-0.02588
194	0.000756	0.019699	-0.001684	-0.006092	0.018875	0.030362	-0.014029	-0.002981	0.008765	-0.018602	-0.007024	-0.019835	-0.002269	-0.003028
195	-0.003951	0.024999	-0.016245	0.029397	0.000886	0.02448	-0.011752	-0.001998	0.016571	0.026321	0.036573	0.007347	-0.051254	0.00021
196	0.000804	0.011166	-0.004652	-0.032266	0.005816	0.001927	-0.014907	0.002496	-0.000272	-0.009407	0.003106	-0.030528	-0.035722	-0.004771
197	0.001178	-0.008826	-0.007167	-0.014468	-0.018159	-0.0217	0.029818	-0.027223	-0.027084	0.005248	0.007887	-0.005622	-0.016022	-0.005439
198	-0.003112	-0.001487	-0.027585	-0.012667	0.060068	0.055157	-0.01123	0.014256	0.014062	0.01243	0.003148	0.015933	-0.075837	0.014704
199	-0.011761	0.003832	-0.012964	0.026543	-0.018156	0.024151	0.060742	-0.020853	-0.000478	-0.035956	-0.014017	0.002136	-0.015808	-0.002825
200	0.012033	-0.005851	0.000087	0.002587	0.010712	-0.005134	-0.002569	-0.010263	-0.008143	-0.034049	-0.020845	-0.0022	-0.042804	0.018872
201	0.018531	0.014237	-0.01586	-0.015553	-0.027948	0.002311	-0.019186	0.001282	-0.00399	-0.048586	-0.036232	0.007256	0.012317	-0.01439
202	0.008761	0.021117	-0.012112	-0.048303	-0.012382	-0.016482	0.010905	-0.002585	0.006451	0.006316	-0.032182	0.018196	-0.028682	-0.001367
203	0.012723	0.021328	0.019255	-0.01197	-0.002806	0.0262	0.037926	0.01155	0.018047	-0.012285	0.019335	0.020894	-0.040275	-0.006274
204	0.014183	-0.01225	-0.004034	0.029331	0.030074	-0.008174	-0.017032	0.01103	-0.020685	0.035721	0.020417	0.027954	-0.016495	-0.003541
205	-0.010097	-0.025934	0.020373	-0.029931	-0.010597	-0.022506	0.007626	0.00272	-0.017785	0.027068	0.042149	0.023639	-0.019332	0.033133

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
206	0.002452	0.00362	-0.001896	0.057149	0.011669	0.002782	-0.036253	-0.011381	-0.024062	0.023079	0.012197	-0.003225	-0.050978	0.002372
207	-0.008816	-0.010236	-0.021219	-0.001172	0.000309	-0.025088	-0.002504	-0.008415	-0.005383	0.000999	-0.018152	-0.006025	0.025008	-0.015077
208	-0.00947	-0.01536	-0.020333	0.01332	-0.008149	0.023613	0.029921	-0.036293	-0.024286	-0.005491	0.004091	0.005291	0.005372	0.007298
209	-0.018947	-0.02439	-0.041468	0.02726	-0.024431	-0.049875	-0.026208	0.008743	0.023271	-0.026739	-0.022979	-0.026993	-0.005947	-0.025452
210	0.011849	0.026092	0.021037	0.036104	0.000466	-0.006456	-0.000755	0.006965	-0.006081	-0.041924	-0.053552	-0.039394	-0.022289	0.014917
211	0.012339	0.007323	-0.018077	0.024393	0.009299	-0.013687	-0.009441	-0.016814	-0.011859	-0.027169	-0.039658	-0.032813	0.011169	0.025566
212	-0.002343	0.009638	0.000329	0.03171	-0.012399	-0.027497	-0.000722	-0.014175	-0.026786	-0.044113	-0.026492	0.003163	0.005612	0.006962
213	-0.011952	-0.045889	-0.013037	-0.013626	-0.01413	0.00108	-0.017887	0.007674	0.019125	-0.040306	-0.020787	-0.018733	0.054492	0.034362
214	-0.005301	-0.016873	-0.027176	0.022709	0.005658	0.000726	-0.019489	-0.008361	-0.003714	0.001138	0.006971	0.000735	0.019758	0.010198
215	0.010391	0.020572	0.015006	0.003304	-0.01971	0.006223	0.007585	-0.007561	-0.02845	-0.019477	0.014496	-0.007694	0.004052	0.013764
216	0.030374	0.049614	0.005954	-0.090988	-0.014973	-0.019902	-0.011911	0.016399	0.014359	-0.00586	-0.020604	-0.006952	-0.011057	0.005685
217	0.00499	0.008441	0.037892	-0.01525	0.028659	0.028309	0.01735	0.035807	0.024543	0.011078	0.007806	-0.007581	-0.025981	0.016434
218	-0.002251	-0.003184	-0.005758	0.001868	-0.034377	-0.033659	-0.014093	0.014265	0.016168	-0.001296	0.003456	0.005976	0.023851	0.005099
219	0.028524	0.039006	-0.066235	-0.001945	-0.016088	-0.00093	-0.058299	0.019774	0.029196	0.017803	0.016734	0.002139	0.029338	0.016134
220	0.070487	0.043483	0.023369	0.026172	-0.025834	-0.028093	-0.040047	0.010181	-0.003736	0.043006	0.032942	0.020814	-0.031964	-0.014238
221	0.036629	0.039073	0.029159	-0.043469	0.013756	-0.015531	-0.01199	-0.00022	0.002837	-0.003309	-0.012069	0.008344	-0.00226	0.023231
222	0.023007	0.028098	0.017357	-0.030355	-0.00111	-0.009683	0.01575	-0.004595	-0.01118	-0.02124	-0.013355	0.011209	0.018823	0.008064
223	0.020845	0.016629	0.014724	0.001446	-0.000136	-0.017958	-0.019874	0.008381	-0.004215	-0.010523	-0.016344	0.032339	0.023471	0.004555
224	-0.008484	-0.021112	-0.00476	-0.020055	-0.027113	-0.022937	-0.01006	0.006524	0.016173	-0.010261	-0.007035	-0.047941	-0.012468	0.020623
225	-0.010663	-0.020151	-0.000816	-0.029314	-0.022756	-0.015489	0.003658	0.020487	0.026901	-0.025287	-0.001629	-0.031575	-0.015429	0.021879
226	0.032284	0.037945	0.019738	0.001265	0.003753	0.010982	0.012886	-0.010608	-0.014272	-0.021226	-0.020622	-0.002986	0.007655	0.018234
227	0.026248	0.024068	0.038499	0.02981	0.02457	0.022772	0.013008	-0.008048	-0.002836	-0.030048	-0.023374	-0.037584	-0.007018	0.042159
228	-0.016813	-0.030399	-0.017251	-0.091703	-0.007554	-0.010815	-0.005015	0.011433	0.007034	0.008696	-0.008508	-0.031131	0.00365	0.01807
229	0.012477	-0.014238	0.000684	-0.013997	-0.022058	-0.001642	-0.010699	0.008711	0.011925	0.004299	0.018855	0.028702	0.011197	0.035033
230	0.040179	0.032248	-0.023547	-0.005981	0.001403	-0.005829	-0.024439	-0.008794	-0.010006	0.008502	-0.015787	0.009908	-0.001108	0.023054
231	0.003869	-0.003485	-0.002393	0.042797	0.042828	0.055182	0.007329	0.010905	0.022703	0.026502	0.043965	0.026976	0.000435	0.026803
232	-0.020339	-0.031142	-0.029387	0.020814	0.024795	0.038298	-0.020049	0.013771	-0.00005	0.039931	0.012391	-0.013597	-0.002976	-0.014452
233	-0.012903	-0.017268	0.004916	-0.066067	-0.042449	-0.025376	0.005848	0.035468	0.050072	0.022036	0.017647	0.032965	0.034072	0.018896
234	0.01667	0.011428	-0.031849	-0.005627	0.001902	0.022739	-0.021254	-0.004021	-0.000608	0.030481	0.030163	0.002122	0.001584	-0.003615
235	-0.002979	0.004271	-0.013112	-0.022199	0.012476	0.014627	-0.001288	-0.021252	-0.012101	0.017628	0.037046	-0.003614	-0.014202	0.022289
236	-0.008097	-0.000257	0.010547	0.028689	0.020539	0.012839	-0.040557	0.012661	0.008622	0.035672	0.027593	-0.03554	-0.061266	0.001825
237	-0.068186	-0.052317	0.032979	-0.00222	-0.006115	0.040784	0.026085	0.031935	0.043774	0.00537	0.031735	-0.027464	0.01893	-0.032921
238	-0.004716	0.009854	-0.100832	0.018226	0.022591	0.052727	-0.001537	0.018241	0.035168	0.031627	0.039552	0.035645	0.036985	-0.004312
239	-0.005493	0.004611	-0.121533	0.019444	0.025265	0.034247	-0.010089	0.019324	0.02355	0.026839	0.031458	0.038299	0.01881	0.030379
240	0.024159	0.023096	0.010406	0.003842	0.014315	0.014005	0.019789	0.005523	0.023825	0.010868	-0.006994	-0.004846	0.015167	-0.003856
241	0.018927	0.029042	0.018364	-0.016127	-0.010627	-0.015506	0.020635	0.02381	0.032665	-0.000196	-0.010458	-0.005312	0.002832	0.009516
242	-0.004468	-0.017989	0.017192	-0.071302	-0.02825	-0.038276	0.011176	0.018335	0.009531	0.02893	0.029882	0.022026	-0.025501	-0.012453
243	0.012718	0.028131	-0.014872	-0.195688	-0.02467	-0.02553	-0.021363	0.02711	0.034182	0.005976	-0.017786	0.001869	0.016935	-0.017233
244	-0.008497	-0.013152	0.003621	-0.010046	0.063779	0.034001	0.026165	0.003888	-0.009555	0.002922	-0.004266	0.026851	-0.01347	0.008878
245	-0.006775	-0.014243	0.006167	0.020325	-0.007244	0.00091	0.028691	0.01271	0.030438	0.002036	-0.000482	0.018047	0.011897	0.009239
246	0.005016	-0.007053	0.02156	0.030275	-0.087551	-0.06198	-0.017943	0.030697	0.030579	0.049476	0.064614	0.018933	-0.003088	-0.017068

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
247	0.024602	0.037706	-0.005613	0.022243	-0.029316	-0.029478	-0.102447	0.028928	0.022902	0.033341	0.031612	-0.02979	-0.025828	-0.000083
248	0.021932	0.023082	-0.031073	0.037321	-0.00942	-0.000237	-0.10854	0.020547	0.022738	0.03453	0.020519	-0.044332	-0.012832	-0.001923
249	0.047433	0.053849	0.007315	0.008969	0.001544	0.029267	-0.001249	0.007361	0.002405	0.006081	0.017071	0.023275	0.019326	0.00453
250	0.026158	0.03397	0.00794	0.034371	0.015493	0.018143	0.015531	-0.008819	-0.008651	0.01766	0.026179	0.019213	0.004353	-0.007967
251	0.026532	0.020476	0.001223	0.001317	0.01739	0.004021	0.01926	-0.007151	-0.008235	-0.006567	-0.016695	-0.004583	0.002733	-0.021414
252	0.024971	0.025285	0.003725	-0.033338	0.052816	0.0207	0.029244	-0.001566	-0.005415	-0.00753	-0.014837	0.008202	-0.024252	-0.00906
253	0.017621	0.013669	0.051767	-0.145076	0.008342	-0.001959	0.028954	-0.008863	-0.007874	-0.036315	-0.035414	-0.026919	-0.009153	-0.025336
254	0.009505	0.008537	-0.011951	0.003268	0.014945	0.004405	-0.002124	0.018535	0.011514	0.000529	0.006523	0.03626	0.004006	-0.005217
255	0.035738	0.031826	0.027691	-0.039711	0.022885	-0.005741	0.015309	0.002428	0.00066	0.009722	-0.006336	0.021196	-0.016378	-0.005394
256	0.067693	0.068159	0.041072	-0.008527	0.020934	0.004733	0.008998	-0.0396	-0.030285	-0.02221	-0.007756	0.017571	-0.039153	0.012629
257	0.037117	0.045844	0.03469	0.020754	0.030168	0.014519	0.034536	-0.089389	-0.09436	-0.057366	-0.048687	-0.005756	-0.021956	0.001743
258	0.022146	0.034985	0.04504	-0.018336	-0.016508	-0.028449	-0.018844	-0.021564	-0.012965	-0.111696	-0.113054	-0.126402	-0.03339	0.003028
259	0.019409	0.020588	0.002991	-0.041754	-0.014209	0.005256	0.007739	0.005886	0.001289	-0.003402	0.00481	0.021108	0.033364	-0.003377
260	-0.019697	-0.016194	-0.015148	0.007392	0.033071	0.048053	-0.020966	0.001397	-0.004374	0.010521	0.011719	-0.025465	-0.006178	0.002464
261	0.011282	-0.002475	0.003664	-0.004865	-0.001548	0.023874	-0.013479	0.004409	0.015257	-0.019643	-0.018429	-0.054426	-0.024761	-0.024459
262	0.005151	-0.007421	0.011516	0.021417	0.029916	0.015637	-0.009634	-0.001651	-0.012472	-0.000664	0.008023	-0.024314	-0.077836	0.009365
263	0.007367	0.005621	0.006539	-0.025882	0.021106	0.01012	-0.001343	-0.012909	-0.01639	-0.000042	-0.008282	-0.01031	-0.052143	-0.000455
264	0.007147	0.02537	0.008441	-0.039106	-0.014786	0.00238	0.008023	-0.008218	0.000758	-0.001682	0.014215	0.00097	0.029467	0.011378
265	0.007988	0.031593	-0.019503	-0.007872	0.002395	0.021786	-0.006094	0.014314	0.021669	0.016422	0.03897	0.023627	-0.03152	0.007673
266	0.013175	0.004264	-0.018342	-0.020046	0.010415	0.010619	-0.031828	0.0088	0.019455	-0.002213	-0.004764	-0.012848	-0.053092	-0.002761
267	0.007526	0.014837	-0.003657	-0.005722	0.013195	0.03436	0.018458	-0.002547	0.013419	0.002241	0.001157	0.016846	0.011642	0.009481
268	0.01351	0.035917	0.015398	-0.016112	0.023821	0.022573	0.03054	-0.013314	-0.018434	-0.003038	0.00216	0.01388	-0.004212	0.014769
269	0.019411	0.020927	0.02636	0.007963	0.026257	0.005927	0.020561	-0.015123	-0.023072	-0.003966	-0.005215	0.013666	-0.000478	0.011835
270	0.022882	0.014253	0.024381	0.011324	0.01305	-0.005586	0.010335	-0.018894	-0.018622	-0.018128	-0.037003	-0.021194	-0.010989	-0.002457
271	0.015332	0.018758	0.02337	-0.010403	0.001468	-0.023159	0.030937	0.002452	-0.00528	0.013961	0.026786	0.023945	-0.026898	-0.002342
272	0.013781	0.010802	-0.01788	0.006613	0.000117	0.017889	0.00181	-0.014628	0.007846	0.008863	0.008242	0.019357	0.019934	0.015433
273	0.016535	0.022869	0.006468	-0.002389	-0.002673	-0.001214	-0.016395	-0.021409	-0.021267	0.022516	0.011532	0.015346	-0.008409	0.00338
274	0.015119	0.016254	0.010714	0.008197	-0.002319	-0.00431	-0.021725	-0.021458	-0.025145	0.020831	0.009896	0.009635	-0.010511	0.00402
275	0.023407	0.005156	-0.021966	0.015573	0.022359	-0.006057	-0.066591	-0.012258	-0.011301	0.00688	-0.028883	-0.055538	-0.027636	-0.006934
276	-0.00942	-0.00875	0.000856	-0.001293	0.017213	0.008797	-0.038374	0.006128	0.002481	0.011062	0.021908	-0.031144	-0.05001	0.016414
277	0.854179	-0.124563	-0.013296	0.000519	-0.007703	0.004684	0.006623	0.023227	0.026916	0.017135	0.018154	-0.032562	-0.000545	-0.008409
278	-0.145855	0.804982	-0.037615	0.028606	0.004437	-0.014226	0.012619	0.025696	0.022689	0.0085	0.004001	-0.029437	0.003346	0.014779
279	-0.035745	-0.051783	0.827884	0.034092	0.023876	0.022422	-0.041363	0.014734	0.023778	0.029284	0.016098	0.005471	0.025131	0.019371
280	-0.020737	-0.003045	0.049303	0.66156	-0.073315	-0.057222	0.033916	0.035029	0.056203	-0.026451	-0.036268	-0.004497	0.015679	-0.019262
281	0.005866	-0.00763	0.002385	-0.025591	0.802297	-0.140765	-0.07206	0.027148	0.03226	-0.013372	-0.012346	-0.022769	0.022054	-0.018305
282	0.011406	-0.028162	0.003669	-0.020823	-0.136209	0.819164	-0.058521	0.018095	0.002497	-0.038794	-0.053309	-0.021486	-0.000742	-0.002066
283	0.015866	-0.002345	-0.059748	0.038432	-0.046135	-0.058073	0.811068	0.020319	0.011291	0.021311	-0.014946	-0.089414	-0.017083	0.001504
284	0.029748	0.027503	0.008292	0.021237	0.020789	0.007127	0.017383	0.908521	-0.09433	-0.06014	-0.040397	-0.011421	-0.009429	0.00972
285	0.026324	0.017382	0.007512	0.035174	0.033603	-0.000785	0.012342	-0.085151	0.874053	-0.059083	-0.042117	-0.003982	-0.015391	0.016679
286	0.03231	0.010473	0.018736	-0.02419	-0.026359	-0.049623	0.010238	-0.038973	-0.047546	0.811931	-0.141651	-0.081867	-0.000343	0.027809
287	0.034941	0.00661	0.02728	-0.046006	-0.014184	-0.05997	-0.002397	-0.03797	-0.046992	-0.171855	0.80831	-0.104742	0.00318	0.007937

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
288	-0.003193	-0.019919	0.006059	0.022015	-0.016874	-0.032194	-0.073472	-0.016943	-0.014328	-0.104587	-0.109461	0.763071	-0.051279	-0.042124
289	0.005193	-0.001896	0.008541	0.026387	0.029738	0.005731	-0.015951	-0.006605	-0.018347	0.008238	0.005004	-0.03797	0.879417	-0.020688
290	-0.002594	0.010621	0.015193	-0.015683	-0.006661	0.010418	-0.012016	-0.002469	0.009851	0.015732	0.004142	-0.06012	-0.016648	0.805184
291	-0.003685	0.007555	0.01489	-0.014948	-0.006429	0.0059	-0.009359	-0.002221	0.009921	0.009535	0.004263	-0.060343	-0.018592	-0.190378
292	-0.001478	0.023905	-0.001238	-0.010039	0.000337	0.016194	-0.007897	-0.000548	0.012496	0.023343	0.01795	-0.039198	-0.007666	-0.171089
293	0.003174	0.003873	0.011577	-0.014849	-0.017812	0.006604	0.006032	-0.005107	0.008181	-0.022016	0.007224	-0.028468	0.013296	-0.000739
294	-0.000908	0.00867	0.004951	-0.005989	-0.010939	-0.000997	-0.016768	0.015003	0.021711	0.01556	0.027659	-0.021611	-0.007168	0.00576
295	0.00553	-0.009203	-0.00906	0.01876	-0.007123	0.006351	-0.016665	-0.006028	0.000613	0.036441	0.05836	0.031589	-0.001402	0.010838
296	0.002892	-0.008213	0.00459	0.01547	-0.001819	-0.005354	-0.02589	0.017816	0.019727	0.038612	0.032213	-0.007911	-0.01674	-0.014065
297	0.003996	-0.01818	-0.003911	0.02131	-0.023339	-0.010641	-0.00791	-0.01465	-0.004317	0.020738	0.027449	0.020995	0.000107	0.009712
298	0.004735	-0.006102	0.002791	-0.000657	-0.017473	-0.015595	-0.001702	-0.010064	0.008006	-0.005918	-0.012372	0.000538	0.006807	-0.032765
299	-0.006514	0.002524	-0.006883	-0.006533	-0.014316	0.002964	0.00263	0.009783	0.014513	0.010228	0.012901	0.00616	0.01013	0.007657
300	0.012487	0.028906	0.012715	-0.069106	-0.013655	0.006792	-0.006629	-0.01433	-0.007638	-0.015408	-0.014929	0.02871	-0.020662	-0.008107
301	0.007408	-0.000632	-0.011241	0.010184	0.010163	0.019568	0.014628	-0.031609	-0.029871	0.024951	0.031454	0.022387	-0.004029	0.005342
302	0.003616	0.010646	-0.006167	-0.023665	-0.000581	0.006041	0.011	-0.004439	-0.005241	0.010354	0.017199	0.010098	-0.019617	0.003934
303	-0.027089	-0.034704	-0.013424	-0.019082	0.007863	0.00012	0.006129	0.031684	0.027409	-0.027796	-0.018757	-0.000426	0.019081	0.031907
304	-0.014369	-0.007723	-0.013675	-0.046662	-0.004671	0.00408	-0.009379	0.03231	0.038285	-0.026102	-0.024554	-0.038412	0.019067	0.003932
305	0.002129	-0.008479	-0.003393	0.044744	-0.01601	-0.018576	-0.000039	-0.004398	-0.018129	-0.001571	-0.00833	0.027314	-0.022328	-0.008568
306	0.008118	0.029582	0.018781	0.003889	-0.006947	0.011886	0.006466	-0.001463	0.018754	0.032169	0.01879	0.018155	-0.000336	-0.055083
307	-0.020354	-0.034953	-0.003797	-0.030557	0.00958	-0.021305	0.014875	-0.019294	-0.017185	-0.034998	-0.042821	-0.009129	0.030348	-0.030067
308	-0.002918	0.012741	-0.008382	-0.015784	0.003579	0.015358	0.010207	0.000038	-0.004407	0.019633	-0.006168	-0.007679	0.00997	-0.025385
309	0.009023	0.009443	-0.009063	-0.003926	0.005036	-0.00309	-0.009624	-0.00044	0.000411	0.007148	-0.013486	0.011688	0.013385	-0.00067
310	-0.006263	0.002365	-0.014331	0.05355	0.006363	0.003902	-0.00924	0.008309	-0.001393	0.032413	0.038527	0.041506	0.003864	-0.019971
311	-0.014292	-0.026816	-0.000993	-0.005903	0.023139	0.010257	-0.001127	0.009448	0.005557	0.005683	0.005296	0.008704	-0.014319	-0.003153
312	0.020207	-0.013158	0.041875	0.039927	0.038682	0.011976	0.031129	0.001583	0.000247	-0.003386	-0.027964	0.013709	-0.003115	-0.004384
313	0.020205	0.021549	0.009448	-0.007523	-0.002101	0.010379	0.02711	-0.024508	-0.004794	-0.004396	-0.007264	0.040945	0.012774	0.018346
314	0.027099	0.010418	0.029046	0.059192	-0.00603	-0.00363	0.005969	0.001903	-0.007567	-0.002694	-0.010017	0.029901	0.003737	0.003322
315	-0.002242	-0.003667	0.023964	-0.000056	-0.005918	-0.007082	0.018044	0.013194	0.011402	-0.01357	-0.03095	-0.000061	-0.002771	0.010173
316	-0.008294	-0.032618	0.000826	-0.061486	0.049933	0.01123	0.015195	-0.021622	-0.035888	-0.018109	-0.024994	-0.018871	-0.001056	0.007683
317	-0.001478	-0.009304	-0.000182	0.036383	0.00369	-0.007181	-0.016592	-0.02519	-0.028135	0.01772	0.000801	0.01711	0.000653	0.000786
318	-0.01286	-0.010141	0.013332	0.030151	0.01465	0.033864	-0.008962	0.015902	0.005453	0.027885	0.024143	0.013971	0.010768	0.017172
319	-0.011573	-0.009631	0.014758	-0.022263	0.001211	-0.011037	-0.001178	0.000008	-0.004493	-0.017728	-0.028962	-0.002684	0.002739	0.015857
320	0.000958	0.030664	-0.009051	-0.003734	0.020823	-0.00862	0.010822	-0.010315	-0.008532	-0.008699	-0.014216	-0.021221	-0.016554	-0.010823
321	0.001537	-0.006998	0.015826	0.028585	-0.007251	-0.008416	0.023417	-0.026002	-0.022318	-0.012302	-0.019865	-0.019661	-0.016831	-0.014483
322	-0.015181	-0.016041	-0.021172	-0.041503	0.047889	0.018323	0.041674	0.017997	0.012395	-0.008096	0.004579	0.032371	-0.008251	0.014129
323	0.007953	-0.003462	0.019383	-0.010051	-0.007597	0.011372	0.05638	-0.024734	-0.009723	-0.0112	0.014304	0.057201	0.03242	-0.013988
324	0.029974	0.006452	-0.062784	0.005468	-0.054961	-0.031317	-0.046328	-0.014766	-0.00887	0.009843	0.019999	-0.015388	-0.01187	-0.016874
325	0.033322	0.001429	0.000606	-0.014543	-0.023213	-0.024358	-0.020396	0.000715	0.010899	-0.005747	-0.012861	-0.007873	0.010624	0.010064
326	0.020142	0.036208	-0.001569	-0.019876	-0.004766	0.007709	-0.019903	0.002207	0.031903	0.002308	-0.012672	-0.005748	0.00794	0.024985
327	-0.009439	-0.004591	-0.017626	0.015602	-0.000749	0.001926	0.001094	0.005002	0.000428	0.014796	0.011445	0.007865	0.009141	-0.007725
328	0.004173	0.002629	0.009399	-0.017505	-0.019168	-0.028337	-0.003001	-0.006328	-0.034676	-0.001631	0.003746	0.004231	-0.024205	-0.009819

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
329	0.00491	0.006166	-0.00804	0.020048	0.004968	-0.001561	0.007553	-0.01558	-0.015637	-0.018637	0.003555	0.035464	0.00906	0.021343
330	-0.023397	-0.038462	-0.002179	0.026465	-0.036407	-0.034517	-0.008307	0.015004	0.000351	0.010542	0.00506	0.009827	0.010012	0.020505
331	0.002684	0.003941	-0.002328	-0.020332	0.005002	-0.001734	0.007017	0.006117	0.013991	-0.030274	-0.019622	-0.022599	-0.001864	0.004567
332	-0.018988	-0.00099	-0.015303	-0.00827	0.018483	-0.023908	-0.014142	0.00419	0.012714	0.026804	0.011705	0.009568	-0.001792	0.003051
333	0.021047	0.001058	-0.006061	-0.01249	-0.004029	-0.006931	0.007125	-0.016658	-0.009933	0.011069	0.010275	0.011647	0.005112	-0.000261
334	0.06535	0.065269	0.03158	0.039477	0.016903	-0.008552	-0.00439	-0.030666	-0.031262	-0.023496	-0.015146	-0.009517	0.020826	0.006818
335	0.005756	-0.012078	-0.016231	-0.033712	-0.003579	0.000377	0.002528	-0.000826	0.004094	-0.004691	-0.003682	-0.001957	0.021755	0.011984
336	0.030063	0.051919	0.039058	0.010747	0.003883	0.009968	-0.051991	0.013792	0.009368	-0.001577	-0.003347	-0.020767	-0.004482	0.005946
337	0.018321	0.019795	-0.005191	0.038382	-0.015267	0.000177	-0.002188	0.003928	-0.003951	0.026838	0.04331	0.019276	-0.012561	-0.023612
338	0.034876	0.033284	0.016413	0.012754	0.026107	-0.008174	0.011083	0.007411	0.018305	-0.021769	0.001485	0.007128	0.016106	0.02578
339	0.00211	0.017195	-0.014388	0.013461	-0.013635	-0.001638	0.011142	0.005626	-0.007131	-0.056647	-0.02738	-0.014819	0.015337	-0.011633
340	0.004074	0.011612	0.044649	-0.023626	-0.012966	0.008579	0.004993	-0.007075	0.005157	-0.017206	-0.000241	0.020247	0.049563	0.037993

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
1	0.080911	0.061386	-0.017188	-0.012392	0.010998	-0.000757	0.028982	-0.010747	-0.021318	0.04112	-0.010745	-0.063054	-0.064764	-0.101638
2	0.065249	0.091031	0.013813	0.009598	0.012132	0.018248	0.013607	0.038356	-0.030056	0.062181	-0.058444	-0.034142	-0.066073	-0.061367
3	0.052512	0.016686	-0.10612	-0.050615	-0.140157	-0.094441	-0.090496	0.036848	-0.03237	0.026888	-0.072679	-0.038894	0.02496	0.003985
4	-0.006128	-0.039458	-0.073454	-0.021128	-0.062768	-0.084305	-0.029036	0.064675	0.038453	0.000712	0.004204	-0.000741	0.113904	0.064121
5	-0.030113	-0.007985	-0.031834	-0.044685	-0.021004	0.007148	0.001186	0.04549	0.022793	-0.004098	-0.011704	-0.031853	-0.003382	-0.0102
6	0.028806	0.015861	-0.033613	-0.004932	0.018477	0.054711	0.014555	-0.008198	-0.026682	-0.025231	-0.009551	0.006937	-0.011908	-0.05513
7	-0.019679	-0.026879	0.003741	0.062693	-0.032249	0.010712	-0.012812	0.10017	0.084306	0.050117	0.043213	0.0004	0.092225	0.092191
8	-0.033184	-0.030498	0.014219	0.023205	0.001251	0.007039	0.028856	-0.00917	0.022099	0.049953	-0.007467	0.050056	-0.026755	-0.02649
9	-0.050192	-0.075606	-0.047786	-0.069114	-0.053183	-0.048718	-0.031691	-0.037481	-0.054992	-0.042673	-0.057729	-0.035444	-0.056697	-0.058934
10	-0.00333	-0.001291	0.094167	-0.00687	0.074825	-0.033185	0.084742	-0.012061	0.073233	0.01093	0.061137	0.032104	0.068918	0.070631
11	-0.01182	0.008217	-0.050143	0.024372	0.024917	0.091834	0.029136	0.089789	0.025032	-0.029759	0.034117	0.045141	0.067183	0.068434
12	-0.012541	-0.009157	-0.006205	0.002419	0.021713	0.012139	-0.012559	-0.041203	-0.045867	0.041033	-0.031945	0.001333	-0.068226	-0.016477
13	0.075957	0.064198	-0.044459	-0.045461	0.033055	0.036608	-0.003527	0.096078	-0.065621	0.025365	0.007842	0.024269	-0.031064	-0.01084
14	0.068967	0.048023	-0.035487	-0.034713	0.005758	0.049529	0.036964	0.041532	0.039387	-0.018104	0.067031	0.052538	-0.016184	0.023064
15	-0.147508	-0.123667	-0.098289	-0.115249	-0.05785	-0.060857	-0.016424	-0.101536	-0.022272	-0.025622	-0.023972	-0.043595	-0.056884	-0.025344
16	0.008317	0.01503	-0.014828	-0.006004	-0.004195	-0.013894	-0.017536	-0.029436	-0.004482	0.028538	-0.042106	-0.01922	-0.018947	-0.009867
17	0.012329	0.010002	-0.003514	-0.045642	-0.00121	-0.035243	0.009614	0.005316	0.038353	0.01172	0.032672	0.016608	0.007887	-0.007364
18	-0.036499	-0.041269	-0.068852	0.043537	0.020892	0.049678	0.030949	-0.038253	0.02733	0.047972	-0.023004	0.026021	0.047131	0.025059
19	-0.03416	-0.016012	0.001348	0.019354	-0.009173	0.071309	-0.009676	-0.113303	-0.071029	-0.012505	-0.071932	-0.040024	-0.012167	-0.009639
20	-0.047998	-0.058402	-0.016998	0.014562	-0.014746	-0.035681	-0.034247	-0.067217	-0.047929	-0.043416	-0.01651	-0.04209	-0.056504	-0.053958
21	0.022909	-0.002471	-0.004776	-0.010156	0.023174	-0.012828	-0.036568	-0.068663	-0.027951	-0.083499	0.030327	-0.015317	-0.070893	-0.018183
22	-0.004409	-0.006957	-0.017908	0.013798	0.043138	0.008845	0.032814	-0.06728	0.014927	-0.029411	0.014428	0.022052	-0.012862	-0.080171
23	-0.003042	0.015477	0.030495	0.000744	-0.067079	-0.061052	-0.015268	-0.093619	0.000001	-0.059839	-0.019715	-0.003979	-0.03828	0.022645
24	-0.055002	-0.047141	0.00463	0.030724	0.044933	0.050531	0.057565	0.033554	0.04786	0.060681	0.008602	0.012599	0.103616	0.025736
25	0.052107	0.054119	-0.003885	-0.00441	-0.018893	-0.071928	0.005199	-0.020958	0.002505	0.018869	-0.012464	0.018608	-0.031785	0.004711
26	0.012141	-0.011177	0.010697	0.007976	0.037988	0.075593	0.006068	0.086006	-0.027228	-0.031986	-0.025113	-0.038373	-0.068128	-0.001504
27	0.013917	0.034293	0.015159	0.006	-0.126888	-0.11649	-0.149706	0.061974	-0.044098	0.028034	-0.014359	0.024273	0.046539	0.03176
28	-0.003401	-0.013693	0.123617	0.023235	0.090744	0.049534	0.128819	0.031752	0.067185	0.065109	-0.007349	-0.057986	0.062493	0.037564
29	-0.006142	0.04565	0.018596	-0.000968	0.006112	0.045672	0.00175	0.016981	-0.018076	0.001598	0.010462	0.010477	-0.002109	0.007867
30	0.035174	0.028575	-0.058725	0.004344	-0.004067	0.007402	-0.000317	-0.008341	-0.010562	0.02047	-0.001158	-0.026833	-0.000639	-0.000777
31	0.005991	0.003712	0.007615	-0.006734	0.014859	-0.056806	0.017689	0.043624	-0.036892	0.05913	0.033547	-0.021428	-0.032647	-0.047832
32	-0.014172	0.00367	-0.000819	0.017512	0.029713	0.040795	0.036577	0.034145	0.037182	0.033833	0.034243	0.0236	0.05575	0.041785
33	0.017094	0.027428	0.112318	0.006955	0.016465	-0.020798	0.056669	-0.053218	0.021738	-0.003961	0.070939	0.033728	-0.014645	-0.041895
34	0.059532	0.055739	-0.123856	-0.074677	-0.08713	-0.020697	-0.050643	0.042982	-0.043542	0.013301	-0.04076	-0.033483	0.036955	0.011726
35	0.024533	0.024606	-0.026198	-0.02456	0.000363	0.019397	-0.006069	0.005092	-0.021135	-0.017232	-0.020979	-0.038199	-0.017512	-0.043379
36	0.066353	0.047295	-0.124725	-0.062456	-0.051089	0.006998	-0.068236	-0.022238	-0.012241	-0.027325	-0.089305	-0.01557	0.02711	0.044425
37	-0.003608	-0.005376	-0.005524	0.014635	0.016165	0.011417	-0.007208	-0.056681	-0.034616	-0.024589	-0.005518	0.018026	0.046248	0.001736
38	0.038148	0.017527	0.052253	0.006505	0.07663	0.028413	0.06326	0.015896	0.033982	0.066687	0.074149	0.057862	0.01638	0.05331
39	-0.029325	-0.034648	0.128952	0.054515	0.039666	-0.004286	-0.006743	-0.058924	0.035268	-0.047287	0.034175	0.086527	-0.010465	0.028674
40	-0.030663	-0.036797	-0.048308	0.032364	0.025477	0.055296	-0.012542	0.029092	0.03534	0.035049	-0.013459	0.023179	0.023434	0.083357
41	-0.011752	-0.004004	0.096352	-0.044652	0.044274	0.028447	0.010528	-0.074787	0.010201	0.048662	-0.003122	-0.000994	-0.047784	-0.018505

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
42	-0.025731	-0.036847	-0.010558	-0.003751	-0.000408	0.000529	0.008891	0.000858	-0.001305	0.000445	-0.004509	-0.00562	0.010029	-0.000965
43	0.002033	-0.016037	-0.20026	-0.000003	-0.07267	0.053717	-0.009125	-0.072331	-0.058836	-0.055828	-0.054179	0.014698	-0.007463	-0.015672
44	-0.023289	-0.031297	-0.023265	-0.003292	-0.029005	0.022054	-0.017556	0.050593	-0.0052	-0.035805	-0.053958	-0.032352	0.038094	0.011956
45	0.023521	0.038824	-0.004506	-0.020136	0.007162	0.00223	-0.016997	-0.00794	0.006534	-0.03182	-0.007459	-0.002346	-0.004449	0.002395
46	0.029425	0.029985	-0.054229	0.04866	-0.004628	0.068358	-0.047626	-0.026107	0.001814	-0.012357	-0.014825	0.062976	0.082905	0.127639
47	-0.007389	0.003591	0.013931	0.072878	0.042564	0.053641	0.027264	0.003075	0.037408	-0.063614	0.031304	0.035183	0.072849	0.059366
48	0.021601	0.015699	-0.020281	0.040355	0.007621	0.030588	0.016709	0.00987	-0.014595	0.014029	-0.013798	-0.025494	-0.017102	-0.054515
49	0.006851	0.01996	-0.026598	-0.016868	-0.011406	-0.04009	-0.047967	-0.086485	0.000991	-0.011339	0.01659	0.02393	0.032744	0.07018
50	-0.108474	-0.113249	-0.062552	-0.004448	-0.000768	0.029095	0.018048	0.05597	0.008927	0.038035	-0.002451	0.054689	0.022985	-0.010262
51	-0.096133	-0.087722	-0.026347	0.006461	-0.000989	0.003713	0.013921	-0.006576	0.035418	-0.007431	0.004073	0.032752	0.019633	0.019329
52	0.018104	0.03103	-0.088185	-0.02653	0.00724	0.022819	-0.004472	0.078079	0.048609	0.0649	-0.001254	0.02313	0.046061	0.042402
53	-0.03527	-0.052516	0.09171	-0.007188	-0.027817	-0.051132	-0.0143	0.008154	-0.002467	-0.017804	-0.010216	-0.083086	-0.081448	-0.062464
54	0.044085	0.049321	0.057958	-0.080561	-0.005846	-0.08296	-0.00862	-0.002946	-0.061154	-0.092555	0.015248	-0.051896	-0.052241	-0.119549
55	0.018163	0.014596	0.06828	0.015262	0.018708	0.029501	-0.051085	-0.123872	0.038351	-0.07479	-0.01024	-0.025453	-0.024741	0.010875
56	-0.035129	-0.010071	0.034911	0.064689	0.094444	0.021133	0.091414	-0.091555	0.074962	-0.110804	0.045788	0.01428	0.027275	0.003276
57	-0.030027	-0.050139	-0.014998	0.018361	0.016545	0.030849	0.017364	0.021545	0.004747	0.052771	0.024032	0.05648	-0.008466	0.027028
58	-0.025914	-0.015686	-0.017824	0.069708	0.045376	0.05977	0.079346	0.048348	0.03154	0.060159	0.020431	-0.022594	-0.021564	-0.083423
59	-0.027039	-0.035615	0.060586	-0.031836	-0.021419	-0.071685	-0.011043	-0.018139	-0.066976	-0.048339	-0.011854	-0.084058	-0.07275	-0.071659
60	0.071273	0.007593	-0.005646	0.028106	-0.041831	-0.029537	-0.030261	0.075808	-0.041778	0.043199	-0.022542	-0.048174	-0.028167	-0.044888
61	-0.015821	0.00554	0.009044	-0.001764	0.003702	0.030415	0.02369	-0.108948	0.02966	-0.321745	0.005772	-0.015536	0.055717	0.038873
62	-0.045639	-0.031692	-0.001132	0.009757	0.042148	-0.009692	0.024035	-0.03611	0.013002	0.050048	0.000553	0.026524	0.021773	0.007527
63	-0.016467	0.041243	-0.020932	0.016876	-0.027308	-0.054532	-0.008063	0.162184	0.021643	0.250238	0.004396	0.011683	0.006698	0.013877
64	0.026857	0.016186	0.078959	0.037897	0.050959	0.019281	-0.001874	-0.036345	-0.065843	0.027553	0.005776	0.014996	-0.078822	-0.056913
65	0.031329	0.066448	0.038016	0.043662	-0.021361	-0.03119	-0.033947	-0.050309	-0.001717	-0.029346	0.010429	0.022814	0.032066	-0.045206
66	-0.045974	-0.040668	-0.040455	-0.016875	-0.043111	0.012705	-0.06059	0.026538	0.023647	0.005689	-0.026859	0.040248	-0.003367	-0.043514
67	0.047907	0.006212	0.032636	-0.003033	0.052364	0.057488	0.096867	0.039166	0.08543	0.055493	0.054014	0.032588	0.034212	0.035509
68	0.045357	0.038908	0.031487	0.006089	0.045375	0.00282	0.041602	-0.057795	0.018927	-0.032405	-0.009018	-0.002033	-0.010084	0.031615
69	0.037257	0.02253	-0.014464	-0.000336	-0.042778	0.01465	-0.017403	0.001238	0.000171	-0.087589	-0.01006	0.014069	0.000454	-0.034666
70	0.017832	0.012512	-0.073035	0.057077	0.049821	0.05681	0.017194	0.001574	0.037076	-0.011583	0.017164	0.042934	-0.029864	-0.04067
71	0.026922	0.030057	0.060173	-0.023226	-0.022044	-0.038202	-0.025495	-0.022204	0.003796	0.009757	-0.030061	-0.037851	-0.005808	-0.020262
72	-0.060164	-0.066487	0.03151	0.00579	0.007182	0.059536	-0.0085	0.013858	0.012474	-0.044124	0.011532	0.039859	-0.025412	0.002793
73	-0.026324	-0.027918	-0.01681	0.029272	-0.028756	0.015281	0.002971	0.067431	0.008859	0.028269	0.019666	0.038411	0.02665	0.023298
74	0.05168	0.036685	0.0316	0.02941	0.021033	0.040664	0.015253	0.044243	0.038096	0.023535	0.063626	0.039039	0.027296	0.06951
75	-0.033362	0.011894	-0.01285	0.025815	-0.018905	-0.068815	-0.018324	-0.013591	-0.006379	0.161678	-0.022157	-0.023034	0.053594	0.035412
76	0.049019	0.056996	0.074606	0.052274	-0.003537	-0.024975	0.010574	-0.056842	0.026942	0.006638	-0.067295	-0.011917	0.031981	0.046112
77	0.060268	0.021751	0.092373	0.043422	0.043665	-0.015023	0.025174	0.006206	-0.094781	-0.02538	-0.025808	-0.059616	-0.105685	-0.119944
78	-0.171127	-0.189362	0.021665	-0.076229	-0.062868	-0.096644	0.004015	0.03943	0.014847	0.019883	0.004275	-0.066879	0.017201	0.021782
79	-0.040695	0.000846	-0.001622	0.012178	0.027047	0.003498	-0.00136	-0.082351	0.036346	-0.040648	0.024246	0.042548	0.050306	0.044077
80	0.012045	0.009597	-0.020542	0.013149	-0.043501	0.01507	-0.026694	0.07355	-0.016801	-0.001515	-0.039763	0.000089	0.019462	0.035592
81	-0.010255	0.008084	-0.027404	0.025277	-0.054826	0.017425	-0.077256	-0.06696	-0.036942	-0.032501	-0.005919	-0.000599	0.008181	0.050123
82	-0.041332	-0.01399	-0.113095	-0.025101	0.010552	0.060967	-0.002009	0.046088	-0.014637	0.136818	-0.019867	0.051099	-0.033298	0.031343

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
83	0.039317	0.070084	0.01993	-0.015853	0.01539	0.040321	0.015447	0.019158	0.010149	0.054773	-0.030286	-0.083462	0.005622	-0.025793
84	-0.002273	-0.030354	0.005058	0.001662	-0.040254	-0.012412	-0.032897	-0.064834	0.033487	0.019964	-0.019486	-0.063744	0.059744	0.056999
85	0.048516	0.072331	-0.030527	-0.055054	-0.008363	0.001275	0.029165	0.037692	-0.019333	-0.037221	-0.013602	-0.01971	-0.005329	0.051572
86	-0.005996	-0.025109	0.018822	-0.018657	0.029462	-0.101361	-0.000053	-0.020964	0.055701	-0.040529	0.010951	-0.039588	0.075336	0.040668
87	-0.019454	-0.01234	0.011795	-0.004918	-0.000931	-0.027931	-0.013186	-0.054619	-0.035794	0.017078	-0.01508	0.043748	-0.039609	-0.030206
88	0.038112	-0.025862	0.043886	0.073216	0.065706	0.041891	0.00561	-0.005855	0.026713	-0.03986	0.060523	0.013694	-0.012063	-0.032976
89	0.033343	0.088194	-0.068249	-0.027282	0.039962	0.035417	0.049124	0.069856	-0.003017	0.004186	0.003292	0.033219	-0.017466	-0.020309
90	-0.032015	-0.035488	0.041948	0.010205	-0.013496	-0.000373	0.016317	0.016662	0.000329	-0.091811	0.005432	-0.003328	0.029924	-0.010389
91	-0.009328	-0.042403	0.103393	0.055348	0.044673	0.02989	0.043944	0.002109	0.060927	-0.011353	0.056142	0.067731	0.028265	0.05443
92	0.003858	0.00642	-0.026579	0.012534	-0.009195	0.115859	-0.025931	0.089027	-0.033362	-0.028307	-0.038426	0.029301	0.008099	0.055582
93	-0.035479	-0.070025	-0.114268	-0.030443	-0.002581	-0.080822	-0.025721	-0.039176	-0.012652	-0.024044	0.011653	0.007654	-0.034374	-0.042892
94	0.089033	0.057366	0.045609	0.007909	0.0008	0.006063	0.058285	-0.020817	0.064032	-0.081538	0.020988	0.014314	-0.040653	-0.025721
95	-0.072196	-0.014554	-0.026334	0.054879	0.029459	0.014373	0.032583	0.07116	-0.032638	0.02443	-0.029005	-0.027337	-0.054678	-0.094589
96	-0.031013	-0.054201	-0.021342	0.011287	-0.006483	0.029011	-0.034299	-0.005846	-0.050089	-0.015977	0.01214	-0.004579	0.010948	0.001366
97	-0.064772	-0.06549	-0.03132	0.004081	0.068045	-0.023369	-0.005718	0.063996	-0.02115	0.036078	0.040669	-0.037	0.006682	-0.115875
98	0.034332	0.003584	-0.011509	0.018026	0.023783	0.007228	0.02553	0.063452	-0.008816	-0.069729	0.009077	0.017872	0.016602	-0.003413
99	-0.061963	-0.070882	-0.003952	0.012218	0.028722	0.033572	-0.005288	-0.09667	-0.016239	-0.050106	0.002182	0.048765	0.062379	0.048122
100	-0.021389	-0.010796	0.00652	-0.005614	0.005752	0.006681	-0.006905	-0.039465	0.007233	-0.051188	-0.010142	-0.009703	0.018296	0.0165
101	0.012331	0.008788	0.005672	0.0145	-0.001624	-0.002473	-0.013204	-0.029659	-0.01552	-0.06984	0.004067	-0.008679	-0.007474	-0.018948
102	0.007931	-0.012661	-0.009164	-0.010019	-0.003273	-0.004688	-0.000555	0.005295	-0.006754	-0.01479	0.008619	0.024045	-0.017924	-0.002807
103	-0.00434	-0.018616	0.028463	-0.005605	0.006507	0.011892	-0.014485	-0.088188	0.010413	-0.086538	0.006814	0.01728	-0.00631	0.023756
104	0.009308	-0.010044	-0.028133	-0.005716	-0.023491	0.004322	-0.020786	-0.036548	-0.025261	-0.026855	-0.021369	-0.00944	-0.01795	-0.001905
105	-0.013707	-0.045224	-0.056615	-0.003305	0.026398	-0.009791	-0.003385	-0.026574	0	0.019676	-0.010171	0.023421	-0.002442	-0.012586
106	0.025027	0.018604	0.025824	-0.036944	-0.00217	-0.048051	-0.048455	-0.04579	-0.032339	-0.059097	0.002731	-0.012176	-0.055815	-0.024367
107	0.018707	0.010613	0.001708	0.018123	-0.021335	0.036888	-0.004908	-0.016096	-0.015371	-0.026073	-0.032771	-0.03067	-0.006381	-0.007168
108	0.004282	0.009256	-0.025258	0.00138	0.005962	0.036784	-0.002813	-0.072357	0.005438	0.006909	-0.004536	-0.001826	0.022591	0.004238
109	0.019297	0.015719	-0.003972	0.009438	0.018187	-0.000379	0.00813	-0.028832	-0.003307	0.014647	0.006182	-0.001534	0.001442	-0.003546
110	0.043133	0.055138	0.005813	0.005917	-0.024279	0.036364	-0.036945	0.002296	-0.017873	0.012681	-0.010345	-0.020436	-0.018441	-0.022742
111	-0.038137	-0.051389	-0.02426	-0.017875	0.006685	0.00705	-0.015068	-0.038446	0.016713	0.030474	0.001743	-0.004042	0.022038	0.045732
112	0.00383	0.012662	-0.016808	-0.021628	0.005196	-0.024872	-0.006123	0.02331	-0.035205	0.021939	-0.030334	-0.04154	0.003112	-0.039815
113	0.037097	0.050922	-0.044487	-0.003853	-0.046982	-0.006628	-0.04798	0.034998	-0.007107	-0.03498	-0.022214	0.018704	-0.016913	0.029324
114	0.006758	-0.006879	0.047289	0.027931	0.017798	0.067625	0.042284	0.005594	-0.005291	0.041528	-0.016861	0.018533	-0.012786	-0.00676
115	0.010917	0.000502	-0.047077	0.032946	-0.013879	0.009795	-0.026744	0.004762	-0.043339	0.003923	-0.017582	-0.008161	-0.01456	-0.041852
116	-0.010959	-0.00003	-0.013612	0.00332	0.049771	0.020793	0.030918	-0.012852	-0.043582	-0.007949	-0.014813	0.023268	-0.022684	-0.015824
117	-0.000041	-0.002861	-0.043475	-0.001848	-0.033538	0.002359	-0.033123	0.020559	-0.005766	0.023572	-0.014636	0.019861	0.028954	0.033408
118	0.003771	-0.001232	-0.008053	0.017995	0.001094	0.008058	0.008037	0.039321	-0.00013	0.038186	0.004226	0.004306	-0.009656	-0.017501
119	-0.008097	0.002839	0.011222	0.031794	-0.015428	-0.000827	-0.015108	0.024881	0.051637	0.045991	0.015885	-0.000514	0.068157	0.035467
120	-0.01586	-0.009988	-0.043679	-0.006393	-0.026689	-0.004553	-0.019847	0.023471	-0.00053	-0.008646	-0.006961	0.022074	0.02707	0.021343
121	0.000677	0.001581	-0.02533	0.004083	0.000424	-0.009373	-0.007344	0.018007	0.01723	0.000737	0.001628	0.032431	0.030673	0.031
122	0.020265	0.024712	0.045173	0.004511	0.023767	-0.001067	0.031738	0.037745	-0.003902	-0.011443	0.022214	-0.002397	-0.023739	-0.012813
123	-0.000498	-0.00917	0.040578	0.024199	0.025625	0.026368	0.026289	-0.02068	0.035939	-0.021717	0.018505	0.011466	0.004069	0.008334

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
124	-0.010215	0.001029	0.050854	-0.002817	-0.007799	-0.006824	-0.018974	0.012698	-0.004027	-0.015768	0.002693	-0.027074	0.015964	0.001674
125	0.010593	-0.000296	-0.019546	-0.005109	-0.003326	-0.011738	0.007855	0.003592	0.002736	0.007018	-0.020637	0.002007	-0.012033	0.006834
126	0.026674	0.01394	0.032605	0.01212	0.002051	0.007203	0.012234	0.010247	0.011696	-0.036239	0.004816	-0.00272	-0.003061	0.026645
127	-0.000856	-0.002471	0.017718	0.018081	-0.0161	-0.013	-0.006772	0.004876	-0.017062	-0.009742	-0.01839	-0.022192	-0.027359	-0.005523
128	0.012755	0.027595	-0.022981	0.010458	-0.021038	0.002868	-0.013716	-0.000248	-0.018931	0.00955	-0.027383	-0.014474	-0.006167	-0.02208
129	-0.018523	-0.007091	0.01543	0.023076	0.043995	-0.009627	0.071404	-0.009251	0.036749	-0.000752	0.058471	0.026334	0.025873	0.026288
130	-0.003754	-0.005258	0.040623	0.019534	0.00117	-0.024169	-0.02156	-0.035281	-0.00883	0.034683	-0.004011	-0.024539	0.036917	0.014353
131	0.049502	0.037743	0.022363	-0.010619	-0.001676	0.015169	-0.021412	0.012698	0.016723	0.022645	0.008937	0.032948	0.015026	0.025701
132	0.008307	0.016245	-0.011008	0.021643	0.005775	0.006451	0.016503	-0.034154	0.011931	0.023356	0.002767	0.011176	0.013624	-0.031619
133	0.021364	0.02534	0.01637	0.004659	0.040595	-0.00413	0.001212	0.013056	0.00135	0.020992	0.005386	0.01118	-0.003508	0.009777
134	-0.002971	0.013449	0.012434	-0.021409	-0.025998	-0.028534	-0.025132	0.025581	-0.018819	-0.028644	-0.011459	-0.039273	0.03831	0.017514
135	-0.007338	-0.00794	-0.000911	-0.024483	0.007393	0.007656	-0.009829	0.005283	0.003752	-0.026368	-0.002932	-0.014512	0.006518	-0.007866
136	0.032277	0.012131	-0.015802	-0.003089	0.001717	0.029342	-0.036855	-0.012115	0.002904	-0.060899	0.021988	0.033905	0.01553	0.026775
137	-0.014306	0.002446	-0.007601	-0.012402	-0.033628	-0.053783	-0.015238	-0.045404	0.00771	0.051384	-0.015117	-0.007156	-0.012902	0.036629
138	-0.009185	-0.02703	-0.011394	-0.004819	-0.037571	-0.020623	-0.031543	0.010118	0.008365	-0.033208	-0.012884	-0.030497	0.029934	0.00934
139	0.011828	0.010162	0.013858	-0.011867	-0.013696	0.00589	-0.015712	0.006232	0.026313	-0.012446	0.034329	-0.01084	0.050367	0.004737
140	0.042033	0.040115	0.055792	-0.050886	-0.028491	-0.050425	-0.024805	0.017774	0.009436	0.062266	-0.004589	0.003525	-0.008989	-0.002357
141	-0.001615	0.000457	0.001875	-0.036457	0.011528	0.026104	0.038788	-0.002752	0.006996	0.013555	-0.026614	-0.024902	-0.010694	-0.033111
142	0.03549	0.018205	-0.001051	0.013821	0.023987	0.020579	0.006455	0.029996	0.012388	0.038264	0.018671	0.030525	0.029144	0.020628
143	0.021033	0.003518	0.034713	-0.000221	0.047059	0.031771	0.024065	0.035561	-0.033571	-0.005962	0.01305	0.001369	-0.037659	-0.032612
144	-0.012148	0.009691	-0.027066	0.001711	-0.013648	0.005331	-0.018832	0.019808	-0.000968	-0.022764	-0.000238	-0.021111	0.030859	0.016161
145	0.02033	-0.006189	0.006633	-0.001576	0.014929	0.026753	-0.01166	0.022052	-0.016803	-0.03489	0.009907	-0.008392	-0.034859	-0.022967
146	-0.001758	0.00282	-0.014312	-0.007739	-0.009608	-0.01661	-0.013206	-0.012259	-0.005183	-0.019828	-0.007995	-0.010763	0.01141	-0.014969
147	0.014823	0.026296	-0.039124	-0.0033	0.020107	-0.020379	0.002429	-0.003051	0.004309	-0.036276	0.00588	-0.006228	0.02233	-0.005394
148	0.040562	0.028225	-0.033568	0.010678	-0.021032	-0.016148	-0.02294	0.054395	-0.012807	0.000304	0.029809	0.001527	-0.007664	-0.024363
149	0.005558	0.017969	-0.03658	-0.021688	-0.01745	0.012276	-0.017417	-0.000915	-0.041266	-0.04451	-0.006297	-0.009938	-0.034054	-0.032557
150	0.001108	-0.006773	-0.001346	0.000743	-0.017816	-0.023544	0.012311	0.033272	0.022013	0.030079	0.013506	0.003033	-0.011324	-0.005506
151	0.0066	0.000153	-0.000666	0.006661	0.005554	0.056577	-0.003537	-0.037522	0.002144	-0.015086	0.008404	-0.001964	-0.022534	-0.005464
152	-0.026424	-0.016927	-0.007062	0.017783	0.022631	0.001854	0.004059	0.041378	-0.011388	0.046045	-0.004513	0.002173	0.006383	0.003509
153	-0.002731	0.002698	-0.067447	-0.004684	-0.0099	0.006587	0.009712	0.017738	-0.020536	0.016562	-0.003683	0.003554	-0.01969	-0.031208
154	0.013253	-0.006522	0.008614	0.004991	0.000197	-0.021938	-0.009562	0.000386	-0.008619	-0.003188	0.017409	-0.011662	-0.003673	-0.029715
155	-0.013241	-0.023945	-0.015321	0.02019	-0.009452	-0.015134	-0.006871	-0.030435	-0.008131	-0.00317	0.001091	0.0165	-0.008365	-0.018035
156	0.021318	-0.003502	0.016373	0.004878	0.008147	0.007423	-0.018874	-0.032184	-0.009627	-0.020921	0.00905	0.034589	-0.006461	-0.018164
157	-0.009144	-0.029733	0.013584	0.010595	-0.017879	0.006399	-0.004183	0.016205	0.040531	0.015587	-0.011137	0.010013	0.039607	0.051176
158	-0.026921	-0.00987	-0.049624	-0.019251	-0.01915	0.0042	0.000766	-0.018508	0.003473	0.015155	-0.009912	0.007534	0.001284	0.025474
159	-0.047355	-0.043661	0.037969	-0.005798	0.010614	0.018384	0.002268	-0.018364	0.030717	-0.042077	0.00428	-0.015434	0.003214	0.033403
160	-0.050263	-0.066645	0.009855	0.01021	0.007772	-0.02542	-0.002724	0.042913	0.021136	-0.027959	0.002363	0.010707	-0.001132	0.00766
161	0.025241	0.016537	-0.033659	-0.000756	-0.005189	0.045397	0.009683	0.014508	-0.002607	0.007842	0.016362	0.027827	0.027078	0.038654
162	-0.012948	-0.00234	0.008091	-0.001973	0.024563	0.008497	0.015831	-0.040443	0.050641	0.007665	0.030272	-0.003229	0.036101	0.022234
163	0.004399	-0.002465	0.031446	-0.040258	0.012744	-0.004127	0.013755	0.013586	0.006397	-0.00133	0.003213	-0.003613	-0.004161	0.013482
164	0.010002	0.021188	0.018088	0.006603	0.01651	0.039012	0.040723	-0.000722	-0.033102	0.015862	-0.018833	-0.022505	-0.048511	-0.054701

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
165	0.013242	0.020766	-0.011946	0.050251	-0.026619	0.01546	-0.00588	-0.026041	-0.032037	-0.084607	-0.039465	-0.026165	0.000359	0.00411
166	0.000326	0.016027	0.036247	0.002024	-0.011229	-0.001889	-0.01152	0.002984	-0.014982	0.008969	0.016936	0.010611	0.003765	-0.021842
167	-0.03387	-0.00386	-0.036515	-0.010407	-0.039259	-0.02614	-0.025069	0.015519	-0.00578	0.028877	-0.005289	0.008544	0.023482	0.014904
168	-0.000865	-0.017925	0.019094	0.002788	0.027325	-0.00963	0.027744	0.010532	0.009314	0.007446	0.01458	0.003713	0.014321	0.046414
169	-0.017886	-0.007888	-0.013452	-0.02361	-0.025091	-0.019921	-0.012864	0.005836	-0.019406	-0.016433	-0.009326	-0.01166	-0.008436	-0.005721
170	-0.015489	-0.004017	-0.002428	0.001462	-0.029109	-0.015871	-0.009872	-0.004245	-0.025986	-0.037165	-0.007636	-0.015974	0.002271	-0.000565
171	-0.013416	0.001127	-0.006254	-0.013865	-0.003585	0.011439	0.007818	-0.001277	-0.000411	-0.008418	-0.009487	0.005715	0.011588	0.01204
172	-0.014887	-0.007048	-0.033827	-0.043114	-0.030609	-0.005818	-0.023387	0.005927	0.003741	-0.009592	-0.010279	0.008556	-0.01512	0.008598
173	0.004079	0.012253	-0.058422	-0.04365	-0.0383	-0.022247	-0.024127	-0.001157	0.002867	0.015155	-0.016735	-0.002207	0.002709	0.018025
174	0.016304	0.01899	-0.006446	-0.009351	0.014476	0.004611	-0.012633	-0.004578	-0.028221	0.001904	-0.002377	0.02368	-0.024464	-0.023283
175	-0.0216	-0.032946	-0.050028	-0.003771	-0.017881	-0.033081	-0.04553	0.005083	-0.029322	0.019612	-0.005931	-0.009292	-0.021459	-0.036997
176	-0.011469	-0.011642	0.009041	-0.016565	-0.004435	0.020019	-0.010622	0.025824	-0.003872	0.008106	-0.009526	0.000164	-0.016974	0.019046
177	-0.057453	-0.062348	0.005888	-0.017031	-0.00599	0.001783	0.005246	0.001478	-0.023054	-0.056845	0.046898	-0.025835	-0.012679	-0.017687
178	-0.016498	-0.023558	-0.015851	-0.008023	0.008379	0.002185	-0.005745	-0.027252	0.008245	-0.048221	0.006767	-0.019246	-0.008105	-0.020955
179	0.002099	0.003315	-0.014284	0.025661	0.00664	0.006301	-0.001817	-0.020213	-0.001007	0.001202	0.000786	0.014021	0.00444	0.000424
180	0.007987	0.008418	-0.025092	0.007105	-0.007051	-0.005136	-0.006441	-0.009632	0.017224	-0.021427	0.008361	0.011193	0.019064	0.02404
181	0.012753	0.012262	-0.024157	0.016196	-0.007284	-0.007859	-0.015294	-0.018947	0.004869	-0.003926	0.006909	0.004494	0.01573	0.008664
182	-0.000751	0.007196	-0.008805	0.024315	-0.008245	-0.021089	-0.006393	-0.00761	0.004527	0.026786	0.008504	-0.014244	0.017634	0.009575
183	0.000382	0.010737	0.016895	0.023985	0.009285	0.00512	0.019059	-0.029082	-0.002613	0.006234	-0.012446	-0.012241	-0.005712	-0.011592
184	-0.021073	-0.01224	0.052031	-0.008009	0.009783	0.006139	0.018515	-0.011131	0.008141	-0.030076	-0.007356	0.001586	-0.005225	-0.013669
185	-0.022954	-0.032352	-0.007636	-0.030728	-0.029236	-0.005701	-0.035104	-0.03263	-0.002026	-0.032713	-0.006679	0.024434	-0.019495	0.018151
186	0.011214	0.016472	0.031043	-0.005488	0.006477	0.032868	0.017396	-0.017709	0.029452	-0.026246	0.037284	0.038118	0.055415	0.068067
187	0.016058	0.013263	0.015703	-0.013365	-0.006752	-0.010783	0.02159	0.021891	0.020502	0.004109	0.012038	-0.011296	0.005847	0.016727
188	0.015027	0.004503	0.027745	-0.00933	0.005306	-0.000933	0.011721	-0.006383	0.007698	-0.032043	0.014276	0.006301	-0.014003	-0.011449
189	0.022483	0.007743	0.046753	-0.010756	0.014751	0.002287	0.006765	-0.030288	0.003096	-0.046571	0.006624	-0.004462	-0.001077	0.002714
190	0.00002	-0.001359	0.019293	-0.000817	-0.009796	-0.019473	0.001824	0.013277	-0.011127	-0.018454	-0.006829	-0.007903	-0.011127	-0.001286
191	0.007238	-0.008312	0.006118	0.008937	-0.002064	-0.006727	-0.002532	0.003556	-0.005222	-0.016839	0.008386	0.025288	0.016163	0.011419
192	-0.006102	-0.005075	0.012146	0.009223	-0.025092	-0.006234	-0.030165	0.022504	-0.033546	0.049876	-0.020196	-0.016834	-0.006547	-0.013377
193	-0.024429	-0.030795	-0.026793	-0.000669	-0.009124	0.000491	-0.003354	-0.011947	-0.005602	0.002288	-0.012187	0.00061	0.013356	-0.006179
194	-0.005299	-0.013923	-0.037996	0.000517	0.001149	-0.002268	0.013773	0.002929	0.012702	-0.005022	0.015172	0.007487	-0.014001	-0.018864
195	-0.000057	-0.002563	0.024036	-0.002864	0.009684	-0.000428	0.017205	0.022072	0.00972	0.059865	0.014646	-0.004792	0.010098	0.015042
196	-0.005205	-0.006814	0.01417	-0.002959	0.009744	-0.017443	0.005288	0.020704	-0.004732	-0.009577	0.020545	-0.012157	-0.007966	-0.034553
197	-0.00362	0.01167	0.001791	0.00275	-0.013489	0.005898	-0.004307	0.018203	-0.031634	-0.011326	-0.0313	-0.013579	-0.002109	-0.007802
198	0.018731	0.015362	0.05016	-0.014733	0.01135	0.007372	0.012947	-0.001615	0.00801	-0.0634	-0.002882	-0.020224	-0.007699	0.018766
199	0.003252	0.011512	0.013114	0.000649	-0.020414	-0.026617	-0.00671	-0.023305	-0.004195	-0.060132	0.0033	0.008388	0.018266	0.027396
200	0.011311	0.015842	-0.03722	-0.007562	0.025631	0.045843	0.038822	-0.032934	0.028917	0.016454	0.003561	-0.015152	-0.006661	-0.01185
201	-0.021051	0.003212	0.010146	-0.016037	0.005951	0.004557	0.018613	-0.020809	-0.00356	-0.021256	-0.004809	-0.003803	-0.023671	-0.015301
202	0.000192	-0.002425	0.019328	0.006429	0.022664	0.021678	0.008192	-0.004931	0.018632	-0.069258	0.014516	0.005321	0.027251	0.008744
203	-0.007449	0.016292	-0.025929	-0.003503	-0.017538	-0.045873	-0.007099	0.025962	-0.051593	0.041705	-0.038488	-0.030645	-0.056629	-0.032076
204	-0.004843	-0.022972	-0.00412	0.022242	0.008447	0.020442	-0.004982	0.06377	-0.009102	-0.012948	0.010639	0.001646	0.015144	0.005996
205	0.037726	0.043479	0.025524	-0.014279	-0.030331	-0.027028	-0.02157	0.032624	0.018525	-0.016008	-0.0188	-0.010764	-0.017003	0.016959

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
206	0.004242	-0.010658	0.042682	-0.000357	0.013689	0.015053	0.029415	0.034495	0.033031	-0.025324	-0.003074	-0.009866	0.017421	-0.001176
207	-0.012534	-0.012354	-0.005832	0.005874	0.000414	-0.008248	-0.010867	-0.039115	-0.010871	-0.004438	-0.024125	-0.030857	-0.003799	-0.04297
208	0.006016	0.007468	-0.010725	-0.00264	0.017758	0.031997	0.007201	0.002871	-0.023778	0.055094	-0.043437	-0.024346	-0.033825	-0.007812
209	-0.0283	-0.022639	-0.003751	-0.01649	0.020738	0.021096	-0.02212	-0.007702	0.009659	0.019506	0.01303	0.027153	0.010309	-0.00168
210	0.012579	0.014927	-0.066306	-0.004978	0.0231	0.018956	0.022218	-0.009394	-0.004961	0.039006	0.018929	-0.0037	-0.017607	-0.001817
211	0.015567	0.012766	-0.040393	-0.032473	-0.02524	0.035889	-0.017572	-0.021409	0.005254	-0.050235	-0.004667	0.00846	-0.014299	0.007554
212	0.005127	0.024355	-0.036789	-0.01843	-0.030487	0.001382	-0.014373	0.005346	-0.005836	-0.030391	-0.01872	0.006977	0.012158	0.013551
213	0.036969	0.064143	-0.024918	0.002423	0.001852	-0.004825	-0.010426	0.035309	0.016328	0.053048	0.02562	0.052968	-0.012029	0.016734
214	0.009971	-0.00757	0.018743	0.014932	0.006283	0.012018	0.000253	-0.032609	0.01209	-0.045117	0.008928	0.009074	-0.002873	-0.001158
215	0.013588	-0.001321	-0.071858	-0.024375	0.014369	0.025673	0.025584	-0.003802	0.035531	-0.004164	-0.000852	-0.014562	0.020736	0.020109
216	0.003652	0.006631	-0.013474	-0.000676	0.037312	0.032362	0.023654	0.044095	0.018894	-0.009909	0.01347	-0.014682	0.043661	0.025553
217	0.016611	0.010166	0.025234	0.000936	-0.00436	-0.041459	-0.001765	0.007423	0.010297	-0.007269	0.009954	-0.03906	-0.007753	-0.022452
218	0.005425	0.005549	-0.018498	-0.022841	0.00092	-0.003124	-0.016126	-0.004758	-0.013049	0.014434	0.002184	-0.001989	-0.009014	-0.017542
219	0.019529	-0.000409	0.00564	-0.004117	0.015682	0.025401	0.00066	-0.004706	-0.015156	-0.000733	0.003548	-0.001907	0.003421	-0.025234
220	-0.008644	0.004634	0.06818	0.015584	0.003494	-0.040976	-0.010278	-0.022252	-0.012975	-0.009022	-0.009699	-0.023019	-0.01376	-0.005263
221	0.020296	0.017239	-0.01849	-0.014633	0.00518	-0.008167	-0.00107	-0.00355	0.00517	0.005836	-0.011896	-0.015977	-0.014276	-0.01473
222	0.010306	-0.001043	-0.017756	-0.008822	-0.001581	-0.018875	-0.012551	0.009871	-0.007661	0.013249	-0.015852	-0.022925	-0.012048	-0.017997
223	0.008564	-0.00181	-0.037959	0.00341	0.002725	-0.014731	-0.013912	-0.022342	-0.03932	-0.021819	-0.013537	-0.003145	-0.039221	-0.040111
224	0.022072	0.022649	-0.01095	-0.003259	0.01378	0.006748	-0.010576	0.022363	-0.011758	0.023106	0.00065	-0.010192	-0.018324	-0.026948
225	0.019894	0.024265	0.007254	0.000275	0.010263	-0.01029	-0.003422	0.00952	-0.01369	0.028756	-0.003537	-0.012897	-0.042244	-0.029737
226	0.019914	0.017658	0.01016	-0.027457	0.016662	-0.00635	0.020969	0.015979	-0.007546	-0.009604	0.012089	-0.001246	-0.015372	-0.015759
227	0.041401	0.046318	-0.001115	-0.042399	0.000696	-0.022703	0.031523	0.039395	0.010154	-0.009119	-0.002244	-0.025912	-0.009403	-0.02425
228	0.019923	0.017355	0.025056	0.021675	0.021599	0.003453	0.02435	0.002915	0.00652	0.019588	0.008076	-0.003844	-0.019917	-0.032253
229	0.030897	0.032645	0.008465	0.027867	-0.053793	-0.010918	-0.057184	0.007025	0.028359	0.034023	0.009277	0.030618	0.023651	0.041241
230	0.024217	0.017949	-0.039048	-0.006457	-0.050457	-0.025114	-0.035925	0.015627	-0.001323	-0.018989	-0.01236	-0.005726	0.034701	0.024855
231	0.023361	0.033492	-0.03992	-0.058032	-0.0377	-0.02941	-0.019616	0.053898	-0.040893	0.014944	-0.017319	-0.019919	-0.016596	-0.014402
232	-0.003814	-0.018485	0.044521	0.064238	0.052145	0.022737	0.050821	-0.022385	0.017051	-0.012922	0.010849	0.052952	0.000984	-0.004912
233	0.019651	0.018181	0.002537	-0.016944	-0.012718	0.012601	-0.013501	0.010115	0.012723	-0.018686	0.021075	0.032783	0.017307	0.04282
234	-0.002297	-0.013117	-0.0043	0.000731	0.032771	0.038048	0.017048	-0.005966	0.011501	0.011418	0.003514	0.023331	0.00865	0.019319
235	0.019029	-0.016071	-0.011721	-0.011468	0.008811	0.021127	0.012254	0.008271	0.025094	0.009384	-0.004358	0.002034	0.013046	0.029316
236	0.004459	0.005717	-0.010708	0.014762	0.001452	0.020383	0.001975	0.014897	-0.014269	0.016625	-0.009608	0.008549	0.02083	0.018179
237	-0.033858	-0.022312	0.01819	0.005247	0.008734	0.017581	0.0125	-0.021362	-0.002669	-0.036807	0.010187	0.007938	-0.003032	-0.014102
238	-0.003834	-0.035965	-0.004311	0.018252	-0.002765	0.0144	0.000452	0.006036	-0.023048	-0.011253	-0.002378	0.00188	-0.006961	-0.032991
239	0.028928	0.005436	-0.016977	-0.003812	-0.004872	0.00921	-0.002519	0.034533	-0.027388	0.01785	-0.012651	-0.010618	-0.018654	-0.026498
240	-0.006366	-0.015663	-0.022454	-0.000702	0.018127	0.004282	0.004455	0.003399	0.008346	-0.00939	0.02585	0.017654	0.014048	0.003586
241	0.010309	-0.004843	0.023739	0.005355	0.028266	0.01642	0.001823	0.016093	-0.011601	-0.001213	0.038384	0.020994	0.011583	0.026806
242	-0.015064	-0.009014	-0.021824	-0.003669	-0.022237	-0.018742	-0.027133	0.022165	0.014568	0.042437	-0.01972	0.006868	0.035315	0.054932
243	-0.016714	-0.019264	-0.004085	-0.01598	0.01055	0.009543	0.020613	-0.003635	-0.004286	-0.024321	-0.002313	0.004208	-0.031612	-0.032365
244	0.005934	0.014429	0.01768	0.010146	0.021207	0.008328	0.038814	-0.001618	0.032009	-0.005182	0.000199	0.006136	-0.013293	0.014293
245	0.008991	0.016149	-0.010896	-0.004887	-0.005515	-0.002541	-0.008416	-0.011261	-0.011706	0.02879	-0.013404	-0.005156	-0.025424	-0.016513
246	-0.020481	-0.020347	-0.007204	0.001831	-0.019875	-0.008437	-0.025986	-0.006672	0.005253	0.042819	-0.010668	-0.014419	0.014094	0.017045

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
247	0.000651	-0.007277	-0.010393	-0.002538	-0.016457	-0.002348	-0.010509	0.032935	-0.012557	0.027838	0.002193	0.008769	-0.010583	-0.001745
248	0.00418	-0.007943	0.031595	0.02106	0.00718	0.001496	0.014849	-0.005756	0.007953	0.016487	0.010717	0.022821	0.008864	-0.014917
249	0.00302	-0.008117	-0.00456	0.005007	-0.015115	0.003457	-0.016125	-0.007718	0.007774	-0.027229	0.009953	0.006707	0.030655	0.022092
250	-0.01228	-0.024222	-0.038203	-0.001924	0.004158	0.008784	0.005735	0.00625	0.001335	-0.000909	0.01293	-0.004345	0.01657	0.002647
251	-0.021312	-0.031459	-0.00011	0.019433	0.026943	-0.004193	0.017246	-0.007507	-0.008236	0.001049	0.007229	-0.003453	0.001217	-0.022566
252	-0.009601	0.007889	0.009793	0.005524	0.008913	-0.023471	-0.002964	0.02048	-0.011127	0.044025	-0.00639	0.011878	-0.008364	-0.009897
253	-0.026363	-0.011853	-0.005603	0.015471	0.005826	-0.021436	0.001137	-0.00824	-0.024333	-0.008553	-0.0091	-0.006346	-0.05154	-0.060897
254	-0.00651	-0.015049	-0.019922	0.015072	0.000318	0.010042	-0.000896	-0.025714	-0.011992	-0.029394	-0.000132	0.013281	-0.007416	0.00869
255	-0.006627	-0.002068	-0.006795	0.012434	0.007349	0.00973	0.014038	-0.005114	0.01693	-0.004123	-0.000947	-0.00115	0.017912	0.026005
256	0.008793	0.014754	-0.029614	0.008116	-0.00108	0.029659	-0.010323	0.031711	0.00643	0.02634	-0.012765	0.001011	0.004859	0.022056
257	0.002204	0.002388	-0.008131	0.019712	-0.008941	0.022361	-0.007378	0.007323	0.010802	0.015973	-0.025013	-0.006837	0.022866	0.034363
258	0.003249	0.008559	-0.001308	0.000943	0.025712	0.011052	0.026658	0.013348	0.000343	0.025186	0.02494	0.0049	-0.022304	-0.015032
259	-0.002644	-0.002819	-0.022886	0.001578	-0.019687	-0.003146	-0.0174	-0.012656	-0.007012	-0.010029	-0.006054	-0.006596	0.010892	-0.002074
260	0.004698	0.02926	0.022707	-0.007792	-0.015249	-0.040229	-0.017129	-0.025846	-0.008806	0.010553	-0.004235	0.0019	-0.003244	0.00284
261	-0.025315	-0.005378	-0.003149	0.003127	-0.003507	-0.044047	-0.009328	-0.011039	-0.007449	0.003313	0.002468	-0.019085	0.002754	-0.025237
262	0.004969	0.011697	0.000798	0.000437	-0.025885	-0.026962	-0.031629	0.01255	-0.000105	-0.023847	-0.018175	-0.031221	0.01143	0.005972
263	-0.002224	0.001405	0.000775	0.007165	-0.011842	-0.027225	-0.021646	-0.009147	0.002297	-0.011766	-0.017889	-0.025139	0.023259	-0.002751
264	0.008668	-0.003359	-0.026387	-0.023801	-0.004451	0.012302	-0.002694	0.022406	0.009765	0.005353	-0.001271	-0.003583	0.017124	0.021412
265	0.007131	-0.00219	-0.005912	-0.012266	0.011539	0.012242	0.025918	0.027956	-0.015406	0.000396	0.003843	-0.007189	-0.018745	-0.003015
266	-0.001977	0.003003	-0.003615	-0.003426	0.005727	0.006039	0.009495	0.022126	-0.023661	-0.004618	0.000169	-0.007628	-0.023227	-0.008683
267	0.004178	0.006333	0.009917	-0.022251	0.029399	-0.007985	0.020155	0.00315	0.00963	0.002984	0.024474	0.006397	-0.015836	-0.017287
268	0.015374	0.016619	-0.00582	-0.037007	0.013511	-0.001246	0.020619	0.03328	-0.011531	0.001039	-0.002455	-0.009694	-0.015284	-0.004292
269	0.013356	0.006905	0.021574	-0.015453	0.015981	-0.002576	0.012003	0.005245	0.006785	-0.014031	0.011894	0.005182	-0.00042	0.011036
270	0.00046	0.007908	0.026753	-0.026212	0.009092	-0.033726	0.01458	-0.003785	0.005132	-0.017929	0.009692	-0.014759	0.009675	-0.013694
271	-0.004258	-0.012138	0.008218	-0.000146	-0.001887	0.010944	0.026047	0.04064	-0.008242	0.00859	0.00946	0.011688	0.018479	0.02915
272	0.015659	0.002474	-0.01466	0.013283	-0.039445	-0.008196	-0.044694	0.011766	-0.020556	0.02213	0.000235	0.024859	-0.007356	-0.01102
273	0.008647	0.011241	-0.005568	-0.017218	-0.069195	-0.050271	-0.055916	-0.004433	-0.012268	-0.017419	-0.009445	0.005738	0.025274	0.014784
274	0.00936	0.009074	0.004221	-0.011075	-0.068992	-0.052186	-0.057462	-0.004816	-0.006775	-0.014777	-0.002237	0.009823	0.031117	0.022755
275	-0.004899	-0.012989	-0.023281	-0.025837	-0.039023	-0.071059	-0.001187	0.00896	0.02798	-0.013934	0.002001	-0.021261	0.045279	-0.008073
276	0.015546	0.013667	-0.01189	0.02847	-0.003635	0.029783	-0.020963	0.031478	-0.01352	0.021392	0.0014	0.027353	0.004491	0.012332
277	-0.008384	0.006085	0.004474	0.002979	0.018722	-0.000392	0.009774	-0.003808	0.012005	0.01957	0.01702	0.010708	0.00458	-0.005831
278	0.013127	0.040308	0.000074	0.015606	0.007754	-0.010739	-0.000826	-0.020066	0.023464	0.03411	0.009333	0.010466	0.000983	0.000285
279	0.019539	-0.005172	-0.009985	0.013037	0.011907	0.01035	0.005778	0.006085	-0.011905	0.016654	0.000555	0.004185	-0.002388	-0.035804
280	-0.020978	-0.004165	-0.028613	-0.032372	-0.003136	-0.007761	0.013458	-0.001449	-0.022337	-0.047445	-0.003304	-0.024512	-0.042844	-0.052264
281	-0.017944	0.000246	-0.004915	-0.013611	-0.015807	-0.015594	-0.029903	-0.034801	-0.021865	-0.001987	0.004529	0.001244	-0.007633	-0.00867
282	-0.006401	0.012439	0.014301	-0.002624	-0.004215	-0.013453	-0.018875	-0.016939	-0.004536	0.024276	0.013381	0.00422	-0.014822	-0.004754
283	0.002264	-0.005022	0.017701	0.000208	-0.003706	-0.003529	-0.013562	0.001268	0.00126	0.012904	0.016121	0.03108	0.001558	-0.01236
284	0.007113	0.007539	-0.013464	0.008397	-0.010799	0.022062	-0.007707	-0.002045	0.013276	0.004937	-0.021877	0.004113	0.018506	0.032349
285	0.014968	0.015872	0.002921	0.021952	-0.001216	0.022873	0.005044	0.015881	0.022395	0.013999	-0.02222	-0.00101	0.015064	0.031544
286	0.019426	0.032418	-0.021096	0.003058	0.013015	0.026254	0.021306	0.014543	0.010424	-0.002559	0.026222	0.010274	-0.03245	-0.008921
287	0.004734	0.017805	0.002353	0.014787	0.031996	0.020845	0.029142	-0.004591	0.023618	-0.015065	0.033803	0.01909	-0.018889	-0.009281

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
288	-0.043837	-0.028594	-0.014271	-0.005714	0.016015	-0.006114	0.014959	0.026518	0.019723	0.050178	0.02417	0.021001	0.007008	-0.001327
289	-0.022278	-0.021642	0.023558	0.00127	-0.006853	-0.016629	-0.000413	0.022541	0.023843	-0.002142	-0.004699	-0.027974	0.031825	0.037444
290	-0.193465	-0.176266	-0.021998	-0.006108	-0.008677	-0.030298	0.000977	-0.041012	0.017193	0.000504	-0.002142	0.001277	0.028724	0.013985
291	0.807084	-0.174026	-0.030272	-0.011177	-0.012409	-0.032169	-0.001172	-0.038486	0.020404	0.009126	-0.000848	-0.001415	0.028699	0.015795
292	-0.173056	0.802698	-0.025162	-0.002545	-0.00717	-0.025083	-0.003319	-0.032238	0.016119	-0.015155	0.008001	0.000886	0.02262	0.005133
293	-0.008757	-0.001197	0.704588	-0.06677	-0.095295	-0.000939	-0.073737	0.049445	-0.054989	0.036135	-0.068982	0.002369	0.013648	0.00874
294	0.003118	0.00155	-0.048794	0.885125	-0.056371	-0.063956	-0.037172	0.002945	-0.033174	-0.014225	-0.030214	-0.042703	-0.029034	-0.020039
295	0.006446	0.010852	-0.099473	-0.065175	0.831364	-0.086977	-0.129085	0.011227	-0.061587	-0.008428	-0.077331	-0.037424	-0.004742	0.007985
296	-0.014731	-0.009507	0.005144	-0.066291	-0.100405	0.803002	-0.082354	-0.029556	-0.041362	0.004706	-0.028612	-0.064904	-0.025634	-0.046986
297	0.007554	0.011455	-0.08172	-0.046668	-0.127303	-0.071559	0.843248	-0.013536	-0.075402	-0.021628	-0.065834	-0.02425	-0.0162	0.006005
298	-0.032676	-0.035104	0.055838	-0.005655	0.009497	-0.022881	-0.017864	0.724601	-0.004143	-0.156262	-0.006125	-0.010456	-0.017073	-0.012633
299	0.011124	0.017116	-0.046103	-0.044875	-0.046709	-0.041121	-0.064543	-0.012151	0.854765	-0.020451	-0.065643	-0.054002	-0.112521	-0.098471
300	-0.004685	-0.024053	0.055947	-0.012997	-0.000027	0.018216	-0.007593	-0.151088	-0.005398	0.644159	0.004378	-0.021495	0.000106	-0.01288
301	0.005486	0.012437	-0.064043	-0.034901	-0.067987	-0.024216	-0.057637	-0.019005	-0.066864	0.009344	0.900729	-0.055503	-0.042259	-0.027206
302	0.002627	0.001923	0.006266	-0.046934	-0.038901	-0.064921	-0.023121	-0.015325	-0.058929	-0.013195	-0.055865	0.87484	-0.055175	-0.082118
303	0.03009	0.029571	0.023452	-0.04195	0.015512	-0.024375	-0.00051	-0.03799	-0.103245	-0.021323	-0.028731	-0.049099	0.80051	-0.147349
304	0.006115	0.010197	0.014782	-0.028483	0.022182	-0.048791	0.006298	-0.025806	-0.115296	-0.016812	-0.027534	-0.07578	-0.174799	0.77426
305	-0.011853	-0.033253	-0.079517	-0.014171	-0.02912	0.009372	-0.023778	-0.00473	-0.014869	-0.013009	-0.02545	-0.000327	-0.002082	0.018949
306	-0.051481	-0.04229	-0.033785	-0.024175	0.010453	-0.039223	-0.006689	-0.011989	-0.033753	-0.009066	-0.016738	-0.036006	-0.003264	-0.035976
307	-0.024477	-0.01851	0.001617	-0.01176	-0.017081	-0.024996	0.001223	0.027832	-0.003172	0.014895	0.020625	0.038955	-0.046521	-0.029519
308	-0.018658	-0.01847	0.000847	0.016163	0.033569	-0.02899	-0.00769	0.007866	-0.031732	0.005781	0.003682	-0.028745	0.007068	-0.058853
309	-0.001609	-0.006709	-0.018341	-0.00559	0.003905	-0.016783	-0.010873	-0.011883	-0.004581	-0.0058	-0.001754	-0.015918	0.006657	-0.02166
310	-0.022273	-0.020946	0.000636	-0.025716	0.018278	-0.043787	0.015692	-0.016806	-0.009799	0.022966	-0.000392	-0.040536	-0.019902	-0.036619
311	-0.003717	0.009369	-0.041241	-0.006524	-0.037333	-0.010061	-0.025582	-0.01576	0.008763	0.011862	-0.0205	0.01687	0.001585	0.024336
312	0.004595	-0.000223	0.045817	0.007427	0.020691	0.001493	-0.030761	-0.001209	-0.006919	0.025811	0.021047	0.038035	-0.048454	0.005683
313	0.018628	0.018047	-0.002881	0.014808	-0.006462	0.002114	-0.021177	-0.036141	-0.012591	-0.014879	-0.022931	0.00382	-0.0093	-0.004731
314	-0.001759	0.001683	0.022903	-0.018244	0.000792	0.001783	-0.026577	-0.055313	-0.005685	-0.029144	0.003571	0.006952	-0.029032	-0.011158
315	0.011602	0.010164	0.001644	0.00753	0.002775	-0.013222	-0.012886	-0.008706	-0.033969	-0.020788	-0.000277	-0.00702	-0.035125	-0.023894
316	0.002251	0.027537	-0.014649	-0.005654	-0.007513	-0.030325	0.013338	-0.049807	0.030128	-0.008086	-0.020377	-0.029832	-0.002812	0.01841
317	-0.001067	0.004827	-0.034294	-0.003801	-0.018896	-0.013486	-0.015643	-0.031285	0.01489	0.015677	-0.027011	-0.000442	0.024161	0.015815
318	0.022471	0.010343	-0.007558	-0.003279	-0.012471	-0.019837	-0.009399	-0.020667	-0.015729	-0.045309	-0.019197	-0.018171	-0.010655	-0.041268
319	0.01241	0.005653	-0.006994	-0.000145	0.006984	-0.014163	-0.012085	-0.011227	-0.013277	-0.005851	-0.002559	-0.011823	-0.029413	-0.025682
320	-0.007379	-0.01605	-0.024763	-0.011549	0.022251	-0.035428	0.013052	-0.000411	-0.01694	0.039292	0.004828	-0.027252	-0.003408	-0.040226
321	-0.009026	0.003833	0.014274	-0.022546	-0.03174	-0.04115	-0.047513	-0.004533	-0.064069	-0.00166	-0.037388	-0.045071	-0.044533	-0.033802
322	0.013113	0.013674	-0.024854	-0.006506	0.010254	-0.000026	0.046474	-0.012886	0.012503	0.00001	0.006328	-0.00571	0.006021	-0.020525
323	-0.011635	-0.009084	0.023556	0.005648	-0.011999	0.031886	-0.010891	-0.053203	-0.009805	0.024486	-0.016077	-0.004188	-0.004179	0.005171
324	-0.015729	-0.000033	-0.012406	-0.01908	0.008306	-0.018713	-0.000526	-0.036193	0.001439	0.015872	-0.006724	-0.019458	0.031167	0.02686
325	0.008723	0.01436	-0.016231	-0.024246	-0.0188	-0.04783	-0.026956	-0.012044	0.011658	0.019029	-0.006741	-0.011433	-0.00802	0.001842
326	0.025858	0.019687	0.002792	-0.037708	-0.006922	-0.013184	0.021587	0.018987	-0.008636	0.036488	0.004641	-0.009467	-0.003891	0.01209
327	-0.006585	-0.018494	0.013036	-0.000821	-0.005731	-0.042995	-0.005643	-0.01153	-0.026702	0.017865	-0.008907	-0.033359	-0.023317	-0.041107
328	-0.006683	-0.00101	0.0563	-0.00956	-0.020737	-0.068972	-0.018693	-0.05118	0.024478	-0.028924	0.016112	-0.013268	0.039189	0.004946

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
329	0.018219	0.01344	0.038027	-0.003822	-0.016767	0.008285	-0.008591	0.002973	-0.037498	0.021003	-0.031291	-0.02909	-0.061678	-0.028216
330	0.014138	0.029393	0.010609	-0.021136	0.014959	0.013553	0.012986	-0.02404	0.009915	0.034198	-0.008946	-0.034281	-0.032024	-0.0214
331	0.001158	-0.009985	-0.026422	-0.030638	0.001174	0.00296	-0.003181	0.00655	-0.001592	0.000338	0.008604	-0.001093	-0.015616	0.003956
332	0.001274	0.004954	0.026916	-0.008952	0.00748	-0.009861	0.006081	-0.02881	-0.009071	-0.01587	-0.003525	-0.016744	-0.033748	-0.03974
333	0.000023	0.002246	-0.029992	-0.018636	-0.029884	-0.012412	-0.023135	0.011964	0.025337	0.026188	-0.024412	-0.00004	0.035422	0.040841
334	0.003088	0.003304	-0.010177	-0.030173	-0.01375	-0.003481	-0.017838	0.04385	0.008615	0.011271	-0.022033	-0.007449	-0.014915	0.015815
335	0.015001	0.011222	-0.023649	-0.015769	0.001426	0.000546	-0.001684	0.018641	-0.017066	0.026012	-0.008403	-0.018356	-0.020864	-0.028654
336	0.007009	0.009508	0.00975	-0.034105	-0.00005	0.017157	0.014296	-0.020976	-0.017397	-0.047403	-0.004026	0.001792	-0.021616	-0.025774
337	-0.01982	-0.030831	0.001038	-0.005949	-0.029706	-0.036651	-0.011687	-0.013174	-0.053056	0.021848	-0.041607	-0.009621	-0.050415	-0.019711
338	0.021478	0.031571	0.009073	-0.000986	-0.016692	-0.055238	0.011606	-0.071603	0.000877	0.041246	0.01397	-0.004598	-0.001239	-0.002401
339	-0.013	-0.005832	-0.019708	0.021915	0.013578	0.008979	0.033763	0.021108	0.005418	0.047437	-0.003576	-0.004761	-0.021276	-0.036308
340	0.027627	0.022981	-0.052707	0.02878	-0.019515	-0.009336	-0.031084	0.0016	-0.034229	0.017287	0.002872	0.034822	-0.045316	-0.026432

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
1	-0.035368	0.042225	0.001638	-0.015791	0.013671	0.050526	0.001833	0.021435	-0.019119	0.061629	-0.027657	-0.026601	0.069931	-0.047991
2	-0.013544	-0.036911	0.095897	-0.02881	0.002713	-0.015492	-0.035461	0.032318	-0.054649	0.134739	0.023155	-0.044938	-0.054382	0.00341
3	-0.041404	0.082967	0.052005	0.048581	-0.073475	-0.031763	-0.088679	-0.013327	-0.062147	-0.022398	-0.062394	-0.000921	-0.100807	-0.086955
4	-0.027783	-0.024337	0.189315	-0.017326	0.003642	0.043726	0.037125	0.147341	-0.006856	0.15689	0.023146	-0.074839	0.04304	0.049956
5	-0.014194	-0.022212	0.08473	0.00851	-0.025803	-0.056949	-0.042781	0.038032	-0.05416	0.015467	0.029823	0.015898	-0.016611	-0.001335
6	0.01333	0.013881	0.017446	-0.022781	0.032602	0.060202	0.047686	-0.00441	0.02648	0.011845	0.05983	0.113381	0.046869	0.045874
7	-0.028022	-0.050766	0.021403	0.022671	0.02724	0.016402	0.033636	0.017087	-0.001315	0.022874	0.059244	0.045527	0.031553	0.097266
8	0.004712	0.048132	0.008252	0.053589	0.002038	0.025768	-0.050111	-0.051656	-0.022102	-0.045326	-0.013426	0.006026	-0.028496	-0.037502
9	-0.070432	-0.055054	-0.145445	-0.00829	0.046855	0.043784	0.030003	-0.127275	-0.029647	-0.041338	0.010263	-0.006131	0.060547	0.054366
10	0.091772	0.038247	-0.014897	0.031814	-0.012097	0.032238	-0.038965	-0.027302	0.000068	0.018921	-0.042348	0.096269	-0.040305	-0.044354
11	0.019133	-0.019259	-0.068041	0.002808	0.013417	0.021222	0.024596	-0.031897	0.019542	-0.019196	0.013074	0.010259	0.017572	0.012295
12	0.017653	0.01646	0.023156	-0.023841	-0.056297	-0.036298	0.047192	-0.020267	0.013692	0.073749	-0.014377	-0.044497	-0.049822	0.036172
13	-0.015293	0.024476	0.015849	0.012085	0.043755	0.031943	0.070214	-0.046257	0.017698	-0.00593	-0.016615	0.07904	0.066613	0.024529
14	-0.016087	-0.043869	-0.039692	0.006146	0.02707	-0.015957	0.020006	0.098494	-0.008377	-0.050991	0.019752	0.041428	0.043585	0.010765
15	0.034789	-0.083403	-0.075504	0.041912	0.002276	-0.076836	-0.088367	0.049858	0.029548	-0.010746	0.02688	0.015645	-0.008296	-0.048479
16	-0.04301	-0.007342	-0.04858	-0.013578	0.005347	0.034406	0.026294	-0.040181	0.027985	0.000157	0.024306	-0.074212	-0.010663	-0.018766
17	0.02905	-0.013087	-0.148282	0.009316	0.01516	-0.038128	-0.082298	0.062601	-0.011472	-0.014012	-0.031068	0.078566	-0.056433	-0.073795
18	0.128321	0.041331	0.02732	0.000331	-0.019731	-0.013744	0.053309	0.086713	0.012751	0.105231	-0.001924	-0.026663	-0.042001	0.035939
19	0.014292	0.023945	0.088552	-0.039543	0.024879	-0.004164	0.048624	0.137358	0.00378	0.017557	0.018825	0.011922	0.01749	0.021841
20	0.066682	-0.073076	-0.041848	-0.018294	-0.000179	-0.008557	-0.022844	-0.119769	-0.069215	-0.028057	-0.080772	-0.019326	-0.008674	-0.05261
21	-0.049183	0.023602	-0.017974	-0.001891	-0.00521	0.008931	0.020748	-0.023985	0.047794	-0.07379	-0.034103	-0.094614	0.055668	0.057256
22	0.058348	-0.048496	0.095706	-0.030831	-0.045923	0.01824	0.058922	-0.067984	-0.071118	-0.066738	-0.021275	-0.053766	-0.032852	-0.065142
23	-0.05567	0.008398	-0.041536	0.027347	0.034952	-0.011404	-0.057887	0.095415	0.026996	0.027022	-0.017409	-0.04121	0.022461	-0.053385
24	0.015111	0.032152	-0.072871	-0.021787	0.034733	0.04273	-0.027355	-0.061813	-0.029255	-0.076015	0.029215	0.005453	0.001127	0.004329
25	-0.042895	-0.016203	-0.129884	0.015789	-0.016702	-0.063897	0.023841	0.128304	0.015205	-0.082998	0.020318	-0.056036	-0.029335	0.070058
26	-0.079529	0.025393	0.011266	-0.017411	-0.04884	0.015174	-0.031521	-0.038919	-0.036584	0.041777	-0.042577	-0.051945	0.015683	0.01253
27	0.095823	-0.0548	-0.053998	-0.027249	0.026769	0.033394	-0.046766	-0.191074	-0.017018	-0.027334	0.024056	0.084722	-0.008344	0.014738
28	-0.032294	-0.031968	-0.031102	-0.013968	-0.011969	-0.028235	0.096827	0.011411	0.087433	0.08253	0.054341	-0.006016	-0.037987	-0.056994
29	-0.015684	0.019368	-0.014348	-0.000531	-0.025045	-0.009566	-0.026804	-0.014481	0.041452	-0.04614	-0.05788	0.012758	-0.027705	0.018926
30	0.035927	-0.067704	0.030421	-0.00965	-0.023247	-0.112508	0.003465	0.076898	0.004051	-0.066986	0.039959	0.002715	0.001376	0.009114
31	0.046464	0.03033	0.034734	-0.026697	-0.001451	-0.012344	0.033518	0.026243	0.004452	0.139904	-0.008182	0.027887	-0.015621	0.038226
32	-0.02698	-0.014771	0.016678	0.018963	0.006535	-0.006001	0.030557	0.04633	-0.00907	-0.079408	-0.005856	-0.054939	0.002757	0.091415
33	0.018879	0.073002	-0.010624	-0.043803	0.011734	-0.003152	0.02774	-0.028578	0.056655	-0.023324	0.006371	-0.133838	0.022629	-0.059703
34	-0.079104	0.038172	-0.061555	0.016074	-0.010566	0.005744	-0.031163	0.071094	0.00366	0.022129	0.046655	0.008142	0.010722	-0.096493
35	0.009878	-0.015555	0.09957	0.026406	-0.012363	0.002257	0.011935	-0.111111	0.015509	-0.051528	-0.003794	0.022605	-0.013027	-0.072771
36	-0.110923	-0.008699	0.166879	0.012802	0.003574	-0.003065	-0.014717	0.039807	-0.046963	-0.021145	-0.033278	-0.005231	-0.085355	-0.038601
37	0.05915	-0.005708	0.119441	-0.031854	-0.026899	0.002042	-0.014409	0.008692	-0.005317	0.074663	0.021467	0.093923	0.013843	0.102268
38	0.064373	0.013037	0.090532	-0.043393	-0.009368	-0.058787	0.035118	0.017785	0.004384	0.014744	-0.007583	0.097269	-0.013588	-0.00881
39	0.008093	-0.030699	-0.015429	-0.038692	-0.000436	-0.040944	-0.008022	0.006104	-0.060368	-0.098482	0.038771	-0.103051	0.023512	-0.004911
40	-0.024168	-0.003262	-0.04536	0.017057	-0.021179	0.046579	-0.037617	0.055106	0.024375	0.079859	-0.024038	-0.031594	-0.023482	-0.041575
41	0.078315	0.012296	0.040113	0.044035	0.009408	-0.083426	0.019124	-0.18839	-0.01221	-0.146728	0.020876	0.043287	-0.021324	0.027394

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
42	0.005285	-0.000681	-0.023767	0.000717	0.01522	0.031365	0.007819	-0.047893	-0.009194	0.004009	-0.00485	0.00458	0.015748	0.001982
43	-0.147429	0.008277	0.038863	0.032508	-0.020767	0.020307	-0.084484	0.022494	0.016335	0.000937	-0.029496	0.069884	-0.064327	-0.043401
44	-0.017188	-0.018433	-0.044634	-0.026228	0.006554	0.083669	-0.028512	0.028123	-0.033876	0.051057	-0.030441	-0.080806	0.003262	0.026453
45	0.119186	0.062465	0.034578	-0.001439	-0.006473	0.079371	0.009825	-0.119914	-0.012369	0.020207	-0.005062	-0.134137	0.021181	-0.000913
46	0.047167	-0.014144	-0.028913	0.008134	0.000108	0.084878	-0.047806	0.010698	-0.06355	0.029147	-0.068155	0.153209	-0.06572	-0.033891
47	0.003615	-0.014566	-0.037067	0.003861	-0.003584	-0.023271	-0.010811	0.005049	0.010071	0.061635	-0.013452	-0.015179	-0.008337	-0.056449
48	0.053401	0.012251	-0.060531	0.039492	-0.000604	0.01464	-0.002152	0.02948	-0.033827	-0.01724	-0.003007	-0.139729	-0.012733	0.044345
49	-0.01991	0.00739	0.048526	-0.009926	-0.032349	-0.082524	0.037259	-0.045601	-0.033624	-0.101448	0.000398	-0.089927	-0.033822	0.030533
50	-0.052797	-0.034669	0.138086	0.005026	0.002933	-0.031707	0.003472	0.008537	0.061407	0.108056	0.056598	0.027859	0.010246	0.015093
51	0.01809	0.02452	-0.024117	0.014892	-0.047337	-0.006095	-0.015592	0.069999	0.003519	-0.09815	-0.008159	-0.003158	-0.059938	0.01047
52	-0.008437	-0.058341	-0.054319	-0.015099	-0.03489	-0.005122	-0.042603	-0.218268	0.011861	-0.04371	-0.019103	0.078239	-0.009012	-0.006808
53	0.003525	0.04482	-0.073828	-0.015305	-0.063964	-0.028136	0.013122	-0.068059	0.036199	0.092373	-0.049972	0.124604	-0.037583	0.058354
54	-0.072714	-0.014546	0.050688	-0.007388	-0.006291	0.005967	0.031717	0.039197	0.039875	-0.034937	-0.021165	0.062944	0.045138	-0.013193
55	0.033327	0.116128	0.155077	0.080571	0.080334	0.099617	-0.039397	-0.071897	-0.043944	-0.027004	0.033827	0.043169	0.035577	0.042327
56	0.092752	-0.022493	-0.127615	-0.001722	0.003879	-0.02181	-0.004299	-0.020044	-0.02304	0.052861	-0.005639	-0.030549	-0.030519	0.026733
57	0.007752	-0.024642	-0.029247	0.007177	0.022284	-0.047982	0.019415	0.012059	-0.015584	0.034426	-0.009793	0.050234	0.038423	-0.030726
58	-0.033632	0.036498	0.240998	0.013277	0.033764	0.076118	-0.081177	-0.075001	-0.07202	0.062403	-0.018327	0.036522	0.045044	-0.010044
59	0.028887	-0.007397	0.113584	0.016132	0.028561	-0.014236	0.04496	-0.103865	0.014919	-0.05161	-0.005666	-0.024425	0.030001	0.065954
60	0.132739	0.001223	-0.093296	-0.00626	-0.037411	-0.0013	0.026988	0.05986	-0.069378	0.003326	-0.046397	0.008025	-0.033516	-0.056167
61	0.018453	-0.006195	0.082265	0.022061	0.024121	0.001698	0.014479	0.132381	0.032699	0.071219	0.036486	0.041808	0.001852	-0.046844
62	-0.051682	-0.05762	0.150947	-0.031428	0.000794	0.006308	-0.000527	-0.09132	-0.059196	0.078517	-0.015887	-0.03993	0.040227	0.030782
63	-0.000271	0.077834	-0.03897	-0.02516	-0.007624	-0.016896	0.010232	-0.020427	0.041726	-0.060133	-0.028654	-0.023285	0.002299	0.024538
64	0.036017	0.024719	-0.08675	0.013421	0.029243	0.065712	-0.005039	-0.049948	0.013807	0.146232	0.006325	0.155288	0.08194	0.081834
65	0.100858	0.021151	-0.07076	-0.011358	-0.029666	0.040787	-0.036511	0.050273	0.004602	-0.016903	-0.016389	0.107066	-0.054899	-0.104686
66	-0.07297	0.031427	-0.032627	-0.004377	-0.004862	0.02695	-0.018481	0.018883	-0.016748	-0.014333	-0.00322	0.082097	-0.03707	0.023251
67	-0.027354	-0.02638	-0.027284	0.01051	0.007307	-0.053584	-0.01165	-0.075494	0.003745	-0.064914	0.036582	0.030987	0.004851	0.09337
68	-0.045003	-0.040932	0.01308	-0.018776	-0.035917	-0.090913	-0.017124	-0.030625	-0.046588	0.063953	-0.012774	-0.019143	-0.055033	-0.026134
69	0.020384	-0.001382	-0.043434	-0.005884	-0.009597	0.025693	0.011649	0.024872	-0.013036	0.074277	0.034135	0.112718	0.041947	-0.008575
70	-0.037277	0.100722	0.019406	0.020087	-0.007939	0.072587	-0.026384	0.033784	0.05818	-0.024832	0.065338	-0.041993	0.011358	-0.015111
71	0.037975	-0.048586	0.037445	0.001224	-0.008385	-0.045883	0.01744	0.068103	0.068879	0.084329	0.058047	-0.049889	-0.060194	-0.027101
72	0.03053	0.018726	-0.080559	0.064579	0.040026	0.07111	0.007797	0.059451	-0.008368	-0.01675	-0.003782	0.068257	-0.002423	0.003603
73	-0.021228	0.024041	-0.072711	0.053084	0.035671	0.027012	-0.029794	-0.061037	0.054467	0.065105	0.029813	-0.052197	0.048399	0.069224
74	-0.053877	0.033328	0.040216	0.013286	-0.005445	-0.009996	0.035508	-0.09917	0.014647	0.018232	-0.013036	0.003492	0.017047	0.009052
75	-0.087753	-0.008777	0.043731	-0.006044	0.004196	-0.00748	-0.028119	-0.084193	0.010738	0.058834	-0.025286	0.096774	0.000665	0.045668
76	0.048963	0.00615	0.041555	-0.037514	0.026996	-0.02512	0.015687	-0.037698	-0.062897	0.020698	0.029196	-0.140843	-0.025175	0.003927
77	0.043622	-0.070639	0.044284	-0.025445	-0.02521	-0.029371	-0.020483	0.042321	-0.076287	-0.086258	-0.086549	-0.009245	0.003747	-0.058146
78	0.034292	0.013731	-0.004789	0.033965	0.01652	-0.0378	0.034081	0.112102	0.051934	-0.030829	0.040656	-0.013652	0.021727	-0.027898
79	0.034266	-0.033401	0.037912	-0.002526	-0.069836	0.010746	-0.042801	-0.030355	-0.049327	0.034005	-0.067007	-0.097701	-0.035985	0.111965
80	0.056878	0.052722	-0.055234	0.039071	0.023435	-0.011409	0.009347	-0.067996	0.024584	0.039578	0.043896	0.122224	0.028707	0.009879
81	-0.068932	0.010058	0.00779	0.001168	-0.033693	-0.006429	-0.016042	-0.041255	0.014273	-0.028186	-0.03779	-0.071513	-0.06831	-0.039099
82	0.0325	-0.022137	-0.099759	0.074335	0.039833	0.040694	-0.044897	-0.080441	0.015498	-0.037547	0.053688	0.008955	0.002781	-0.001605

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
83	0.067256	-0.082191	0.01156	-0.047942	-0.033168	-0.057883	0.051573	0.124767	0.055935	-0.065989	0.035839	0.063308	-0.000371	-0.019359
84	-0.055984	0.053928	0.04906	-0.00232	-0.005259	0.013843	0.028287	0.065587	0.019538	0.061752	0.037706	0.060572	0.011859	0.0339
85	-0.035543	-0.052119	0.038214	0.018818	-0.011703	-0.060486	0.024862	0.001821	-0.067367	-0.013646	-0.048636	-0.098635	-0.025588	-0.005643
86	0.025214	-0.035748	0.019388	-0.058156	-0.044098	-0.030204	-0.004755	-0.016647	-0.018575	-0.104479	0.018661	0.015046	-0.011321	-0.040494
87	0.002553	0.039179	0.011055	-0.026298	-0.026178	0.02082	-0.07851	-0.017003	-0.100622	0.013231	-0.040784	0.050893	-0.005548	-0.019774
88	-0.061259	0.002204	-0.097952	-0.057571	-0.022956	-0.051079	0.035201	-0.036603	-0.015548	-0.06086	-0.053853	-0.013226	0.00618	-0.089857
89	0.030803	0.056027	0.110542	0.07094	0.028475	0.070996	-0.04177	0.113099	0.049424	0.041713	0.029385	-0.127585	0.020325	0.077884
90	0.008815	0.026934	-0.042534	0.01273	0.027784	0.065565	0.041569	-0.071315	-0.042148	-0.062337	0.030471	0.029009	0.075167	-0.013787
91	-0.022204	0.029932	0.05462	0.024399	-0.073167	-0.040551	-0.008487	0.078533	-0.043547	-0.041088	-0.049786	0.017819	-0.067497	-0.016778
92	0.016387	0.000326	0.046863	-0.016021	0.022774	-0.009186	-0.021147	-0.073969	0.026867	0.046077	0.01826	-0.009942	0.035812	0.072996
93	-0.12582	-0.050993	-0.055599	-0.024928	0.020957	0.001789	0.028926	-0.001311	0.031849	-0.000131	-0.01574	-0.043213	0.013064	0.013803
94	-0.013606	0.106329	-0.047262	0.095819	0.024629	0.01057	0.005001	-0.056218	-0.006008	0.05986	-0.004838	0.044986	-0.001392	-0.031289
95	-0.046174	-0.067265	-0.026939	-0.036641	0.019915	-0.076147	0.028946	0.000894	0.015253	-0.021783	0.000895	0.141742	-0.020334	0.012991
96	0.071561	-0.041822	0.048083	-0.056268	-0.034482	-0.028929	0.099862	-0.018612	0.059668	-0.040906	-0.027627	0.069378	0.001551	0.004637
97	0.043332	-0.100402	-0.00388	-0.205479	-0.097479	-0.146928	0.000629	0.022904	-0.028522	0.131933	-0.017244	0.058287	-0.018018	-0.005177
98	-0.034042	0.015465	0.043751	-0.099134	0.013211	0.001539	0.039232	-0.020917	0.060335	-0.016203	-0.005305	0.115969	0.012086	-0.092244
99	-0.237151	-0.040259	0.011625	0.031826	0.004607	0.048058	0.021414	-0.045784	-0.076913	-0.124151	-0.057305	0.017255	-0.070073	-0.017108
100	-0.015377	-0.000063	0.035525	-0.002362	-0.006911	-0.006033	-0.007613	-0.00403	-0.019948	0.005195	0.005738	0.021129	-0.000781	0.015357
101	0.023476	-0.026971	-0.001841	-0.028002	-0.022498	-0.007875	0.010863	-0.003979	-0.009472	0.018007	-0.015061	-0.000362	-0.002483	0.001684
102	-0.056915	0.045796	0.004731	0.014739	0.011241	-0.003958	-0.001541	-0.020982	-0.018418	-0.021875	-0.01267	0.033118	-0.002355	-0.015453
103	0.032682	0.048885	-0.01462	0.047352	-0.002905	0.042191	-0.013494	0.018117	-0.018011	-0.013685	0.011578	-0.019117	-0.003608	0.000793
104	-0.053422	0.036654	0.036905	0.025016	0.024403	0.036613	0.005604	0.011741	0.007339	-0.027682	-0.002883	0.041266	0.008508	0.013067
105	-0.021969	-0.002238	-0.022229	-0.038914	-0.001635	-0.001041	-0.007339	-0.021088	-0.008999	0.016813	0.004053	0.029307	0.006133	-0.022546
106	0.005801	-0.018263	-0.026963	-0.006708	0.009671	-0.027665	0.017459	-0.075044	0.020003	-0.061341	0.006086	-0.005949	-0.001158	-0.004932
107	-0.044543	-0.032517	-0.035459	0.023658	-0.019512	-0.024222	-0.003043	0.032603	-0.061979	-0.038826	-0.038876	0.069022	-0.036761	0.015046
108	0.016075	0.018612	-0.040654	-0.004276	-0.011811	0.015746	0.008689	0.00908	-0.023142	-0.040006	0.019939	-0.072328	0.013917	0.012953
109	-0.039029	0.03567	0.029389	0.010677	0.013403	0.006818	0.001897	-0.03247	0.031354	0.00154	0.007962	0.07321	-0.01426	0.000854
110	-0.047328	0.03906	0.030999	0.01664	-0.007166	0.03017	-0.001712	-0.073059	0.005817	-0.036832	-0.020012	-0.025587	0.006813	-0.03735
111	-0.025217	-0.027837	0.062261	0.028372	0.026135	0.004421	-0.038522	-0.02753	-0.001175	0.023546	0.019074	0.002259	0.016357	0.002991
112	0.009711	0.026651	-0.009053	-0.028902	0.003722	0.026268	0.029397	-0.009146	0.003061	-0.047932	0.00374	-0.032041	-0.006824	-0.031918
113	-0.021302	-0.017811	0.070014	0.021915	0.008132	0.003805	-0.017398	0.033946	-0.009835	-0.005202	0.001971	0.032277	-0.000623	0.015962
114	0.003461	0.013527	0.00682	0.013606	0.029077	0.023062	-0.027227	0.093782	-0.015298	-0.00837	0.031254	0.065491	0.016617	0.044174
115	-0.033757	-0.011133	-0.070129	-0.046338	-0.049331	-0.040544	0.043422	0.050635	0.009342	0.040053	-0.025504	0.005849	-0.041455	-0.022791
116	0.020729	-0.046701	-0.04456	-0.019046	0.019171	-0.033856	-0.027409	-0.036286	0.008075	0.030095	0.012773	-0.000618	-0.005183	-0.023886
117	-0.017693	-0.004332	0.047271	0.025459	0.003679	0.003328	0.010502	-0.003342	-0.006852	0.001105	-0.009879	-0.031465	-0.010407	0.027208
118	-0.058975	0.00892	0.010646	0.024445	0.025968	-0.044476	0.01287	-0.009222	0.008055	-0.052283	-0.00656	0.003767	0.008063	0.00759
119	0.005655	0.01994	-0.01509	-0.005804	-0.019311	0.003863	-0.030519	-0.011004	-0.027997	0.005948	-0.001921	-0.016046	-0.024271	-0.003264
120	-0.009428	-0.014355	-0.036427	-0.004645	-0.010974	0.015522	-0.02335	-0.019559	-0.043867	0.006562	-0.035716	-0.021076	-0.015679	-0.000262
121	-0.018157	-0.006751	-0.004228	-0.011443	-0.011823	0.018523	-0.035425	0.049013	-0.015215	0.035977	-0.027854	-0.049982	-0.016481	-0.026674
122	0.025174	-0.000189	-0.077776	0.010112	0.013694	-0.012046	0.010956	0.016526	0.046017	0.037805	-0.007048	0.015325	0.005881	-0.008755
123	0.010325	-0.0071	-0.064119	0.023501	-0.004728	0.01267	-0.017177	0.036063	0.017584	0.019726	-0.002878	-0.007501	-0.015687	-0.013122

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
124	-0.032777	-0.007973	-0.013947	-0.023409	-0.011813	-0.008204	0.00147	-0.020114	-0.015517	-0.030986	-0.00903	0.001794	-0.003261	-0.014805
125	-0.004268	-0.011462	0.014213	-0.025048	0.000455	-0.032884	0.023616	-0.01907	0.003494	-0.047177	-0.000562	0.005576	-0.016139	-0.028518
126	0.013599	-0.022876	-0.044689	0.008873	0.018109	0.012699	0.01185	0.0233	0.016805	-0.012875	-0.004697	-0.001619	0.018172	-0.03218
127	0.018394	-0.026352	-0.034176	0.007147	0.011171	0.002792	0.01359	0.038213	0.004345	-0.012788	-0.008328	-0.028159	0.009128	-0.00443
128	-0.010124	0.007821	0.034051	-0.014358	-0.014965	-0.017141	0.013652	0.037525	-0.000822	-0.007684	0.001369	-0.001924	-0.016107	0.016544
129	0.001481	0.034747	0.061588	0.051124	-0.001197	-0.000518	-0.058717	0.013314	-0.019365	-0.049126	-0.013354	0.060507	-0.017918	-0.012531
130	0.058039	0.031343	0.000583	-0.017527	-0.029141	0.043774	-0.001602	-0.042108	-0.005314	-0.050204	-0.022766	0.02171	-0.023324	-0.033373
131	-0.01294	0.010643	-0.058974	0.056709	0.025605	0.026993	-0.020014	-0.039543	-0.029315	-0.025739	-0.004235	0.074437	0.023004	0.044756
132	-0.039381	-0.00017	0.047385	-0.003035	-0.002097	-0.009441	0.011174	-0.024922	-0.02011	-0.09518	-0.001337	-0.081225	-0.015789	-0.034829
133	0.009886	-0.060606	0.013309	-0.076444	-0.036725	-0.080296	0.038801	0.022003	-0.0212	-0.022501	-0.002411	-0.046563	-0.001223	0.026746
134	0.048535	-0.031973	-0.018467	-0.039075	-0.007199	-0.01539	-0.018621	0.007217	0.015339	0.039091	0.019344	0.00558	0.02892	0.017068
135	0.01697	-0.011709	0.028514	-0.024383	-0.013343	-0.009283	0.017357	-0.048787	-0.0197	-0.021924	0.005728	-0.029095	-0.002791	0.01231
136	0.006577	0.019993	0.069904	-0.037811	-0.011908	-0.012627	0.019138	0.01604	-0.019153	-0.032409	0.002981	-0.066012	-0.002971	-0.030341
137	-0.005814	-0.018888	0.01409	0.031849	0.002878	0.003678	-0.023186	-0.039164	-0.015501	-0.012115	-0.000523	-0.033424	-0.019073	0.049832
138	0.068785	-0.017649	0.015496	-0.014887	-0.012712	-0.004199	-0.006105	0.057753	0.001263	0.032152	-0.011509	-0.083071	-0.020192	-0.071381
139	0.013582	-0.032195	-0.065706	-0.068676	-0.056706	-0.00953	-0.019678	-0.055014	-0.00966	0.007321	-0.032068	0.053837	-0.000303	-0.029365
140	0.057823	0.01504	0.00519	0.02563	0.016128	-0.021049	0.032315	0.013341	-0.003753	-0.071101	0.034881	-0.050661	-0.003738	0.005849
141	0.03295	-0.007478	-0.059843	-0.006009	-0.013579	-0.019872	0.015335	-0.020875	0.038806	0.000576	0.027664	0.021665	-0.02633	-0.063494
142	0.009982	-0.008288	-0.043313	-0.003526	0.002837	0.008543	-0.009006	-0.011363	0.062311	0.040769	0.008869	0.046226	-0.011084	0.003027
143	-0.008908	-0.016088	-0.028407	-0.036865	-0.016911	-0.010882	-0.009318	-0.027701	-0.023385	0.053022	-0.02894	0.049387	0.022431	0.031782
144	-0.004316	0.001363	-0.016265	-0.010761	-0.00489	0.022353	-0.024385	-0.00753	-0.01026	0.035937	-0.004066	0.022503	0.006281	0.005481
145	0.019968	-0.033454	-0.014165	-0.031013	-0.015668	0.014453	0.005774	0.046158	-0.047559	0.020692	-0.023884	0.009428	0.027623	0.018811
146	0.040109	-0.0565	-0.01252	-0.065309	-0.02472	-0.035623	0.018686	-0.006411	-0.02398	-0.017298	-0.003415	-0.002192	-0.008181	-0.015717
147	0.012866	-0.089923	0.016812	-0.054925	-0.018523	-0.052221	0.001058	-0.047289	-0.00405	-0.04977	0.001628	0.08024	-0.010001	-0.039386
148	0.0001	-0.013117	0.05111	0.000465	-0.021106	-0.017833	0.006722	-0.040196	-0.023627	-0.053876	-0.037206	-0.063044	0.013205	0.030513
149	-0.01158	0.009374	0.000497	0.022539	0.009936	0.020779	0.021811	0.043892	0.05042	0.073408	-0.003628	0.007536	0.013088	0.039061
150	-0.005479	0.034897	-0.023529	0.024985	0.007473	0.028493	-0.030613	-0.045112	-0.01435	-0.025794	-0.02939	-0.023274	0.000937	-0.025139
151	-0.010477	-0.0001	-0.022791	0.02052	-0.010946	0.028017	-0.029005	-0.051895	-0.012635	-0.020887	-0.026844	0.029847	0.004415	0.034061
152	-0.016814	-0.037787	0.009392	-0.035421	-0.03271	-0.02111	-0.007033	0.043813	-0.002479	0.000233	-0.021166	-0.016385	-0.027472	-0.012152
153	-0.034637	-0.017762	-0.045545	-0.019089	-0.042217	-0.024614	-0.029931	0.023113	-0.004469	0.019975	-0.012873	-0.008722	-0.032763	-0.058334
154	-0.024319	-0.00847	0.002435	-0.019023	0.002292	0.017933	0.004821	-0.043452	0.016234	0.028837	-0.017037	0.04176	0.026884	-0.010255
155	-0.015333	0.00214	-0.002826	0.0005	0.011475	0.00104	-0.015082	0.009808	-0.000284	-0.038499	0.009832	-0.015841	0.006628	-0.020037
156	-0.010205	0.003713	-0.076055	0.005118	-0.016157	-0.002166	0.046875	-0.007526	0.021983	-0.014676	0.005696	0.091137	-0.002848	0.024398
157	-0.003893	0.006876	0.051149	0.017462	0.010537	0.024526	-0.014402	0.003276	-0.003002	-0.032984	0.014544	0.01463	-0.019253	-0.026407
158	-0.015901	-0.002454	-0.044569	0.005237	0.013307	0.003314	-0.007075	-0.053055	0.039294	0.082077	0.008546	-0.035491	0.013066	0.023659
159	-0.024524	-0.031054	-0.002625	0.035039	-0.008961	-0.010364	-0.047818	-0.006389	0.012741	0.000531	0.00177	-0.069553	-0.011514	0.000993
160	-0.042591	0.010059	-0.005381	-0.029787	-0.012928	-0.033197	0.037082	-0.010486	0.045202	0.005245	0.025621	0.032163	-0.011726	0.01567
161	0.010458	0.03744	0.036686	0.035986	0.002787	0.031769	-0.043751	-0.038401	0.020586	0.046745	0.000132	-0.026881	-0.006493	0.021642
162	0.013467	0.02303	-0.011677	0.021705	0.013157	0.030509	-0.00712	-0.01137	0.007726	-0.034802	0.015505	-0.008572	0.011474	0.035683
163	-0.001295	0.016362	0.012773	0.046353	0.019493	0.041077	0.020428	-0.005229	0.045323	0.027492	0.029619	-0.008131	0.024707	0.056562
164	0.001846	-0.059831	0.00733	-0.013283	-0.001042	-0.04582	0.030674	0.039609	-0.002598	-0.006276	-0.016426	0.035306	0.00941	0.035562

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
165	0.0216	0.019836	0.046085	0.024019	0.022304	0.031279	-0.011356	-0.018632	-0.004205	0.029522	0.004507	-0.068337	0.050676	0.051311
166	0.06088	0.026967	-0.003894	-0.004904	-0.00747	0.001916	0.021183	-0.062035	0.00616	-0.072432	-0.00402	0.00345	-0.014797	-0.042096
167	-0.015296	-0.028202	-0.057425	-0.007008	0.024827	0.016434	-0.002188	0.010421	-0.035894	0.02405	0.01675	-0.077597	-0.00201	-0.020896
168	-0.025831	0.0225	-0.019365	0.016695	0.01536	0.032741	0.010977	-0.028841	-0.002669	0.033426	-0.019599	-0.007621	0.022081	0.045122
169	0.015217	-0.021477	0.00552	0.010656	0.003309	-0.00291	0.001174	-0.016181	0.011019	-0.004866	-0.001865	-0.015561	0.015968	0.017488
170	-0.018122	-0.023518	0.008138	0.001294	-0.014147	-0.017601	0.010351	0.006108	0.020467	0.002748	-0.018362	-0.017578	0.000335	0.012429
171	0.010959	-0.012198	-0.020102	0.013291	-0.000634	0.000308	-0.008349	0.009963	0.018604	0.019907	0.00956	0.005461	0.005125	0.007919
172	-0.021936	0.007906	-0.018751	0.008162	0.00761	0.004386	-0.021305	-0.013538	0.003623	-0.028288	0.014511	0.008412	0.006569	0.003694
173	0.009011	0.002953	-0.003407	-0.002785	-0.010859	-0.0169	-0.00245	0.029392	0.026544	0.023914	0.0249	0.01557	-0.017788	0.025482
174	0.00068	-0.024724	-0.000514	-0.017901	-0.004777	-0.018098	0.008333	-0.064296	0.010253	0.00632	-0.001279	0.011079	-0.010715	0.021247
175	-0.035868	-0.008896	0.02129	-0.007769	-0.006592	0.009333	-0.022624	-0.034654	0.018015	0.001923	-0.009375	0.059478	0.002069	0.031188
176	-0.026747	-0.01797	0.000496	0.021437	0.002388	0.010004	-0.010794	-0.005566	-0.021971	-0.028889	-0.028103	-0.027576	0.001559	-0.024799
177	0.0255	-0.041929	-0.017556	-0.010273	0.013931	-0.054232	0.082161	-0.053041	0.000231	0.061547	-0.004348	0.016359	0.063143	0.006734
178	-0.010145	-0.032309	-0.034429	-0.017026	-0.004997	0.008125	-0.021028	-0.049223	-0.016359	-0.003246	-0.003298	0.041242	0.014787	-0.001032
179	-0.003542	-0.02002	-0.004243	0.007992	0.003925	-0.012542	-0.014474	-0.019416	-0.01561	0.016364	-0.003705	-0.003036	-0.008195	0.00905
180	0.006821	-0.012158	-0.014812	-0.004662	-0.01081	-0.027732	-0.003847	0.004653	0.013606	-0.000121	0.004197	0.00023	-0.017844	-0.012092
181	-0.00976	-0.01604	-0.006856	-0.012279	-0.008403	-0.020713	0.003474	-0.021953	0.003609	0.002898	0.001664	-0.008525	-0.015344	-0.011197
182	-0.050998	-0.007703	-0.00121	-0.013979	-0.022781	-0.036828	0.006035	0.004406	0.009214	0.006936	-0.021042	0.004655	-0.018112	-0.007568
183	-0.002207	-0.001377	0.042236	0.013837	-0.000286	-0.030209	-0.019118	0.024603	-0.020965	0.046209	0.004972	0.017805	-0.003145	-0.002066
184	0.079582	0.04205	0.025316	0.024471	0.008784	0.018251	-0.009556	0.017944	0.00992	0.053146	0.039868	0.013643	0.018815	0.021904
185	-0.011871	0.023773	-0.008243	0.043186	-0.011418	0.005495	-0.006594	-0.047921	0.023305	-0.047294	-0.007407	0.008066	-0.026146	-0.020493
186	0.007104	0.027906	-0.010214	-0.015976	-0.024005	0.001951	-0.001511	-0.010293	0.027828	-0.016219	0.001262	0.007263	-0.013797	-0.013035
187	0.034402	0.034276	0.010335	-0.010578	0.001152	-0.027663	0.012698	0.028061	0.00984	0.012897	0.008687	-0.009595	0.004382	-0.001792
188	0.027985	0.030158	-0.012522	0.003236	-0.00005	-0.015729	0.010992	-0.028707	-0.004517	-0.008532	-0.000336	0.008111	0.000378	-0.012
189	0.019137	0.009301	0.017165	0.017029	-0.001343	0.013448	0.005335	-0.058455	-0.021074	0.003742	-0.021987	-0.006853	-0.003134	-0.019438
190	-0.010738	-0.022977	-0.010129	-0.000995	-0.017238	-0.017966	-0.023726	0.046297	0.007456	0.01335	-0.013552	-0.02234	-0.016097	-0.012786
191	-0.015739	0.002141	-0.002773	-0.003767	0.00958	-0.012367	0.020802	-0.018633	0.012801	0.010146	0.004266	-0.020763	-0.011125	0.000869
192	-0.009313	0.014264	-0.05862	-0.030401	0.01279	-0.00226	0.025306	-0.011123	-0.01381	-0.002331	-0.013323	0.064437	0.022726	-0.01348
193	-0.051181	-0.000108	-0.007102	-0.008768	-0.009882	-0.018436	0.001997	0.03889	0.003402	0.000106	0.002145	0.063131	-0.021432	0.022717
194	0.024488	0.003108	-0.02618	0.027909	-0.016196	-0.01013	-0.028651	0.008128	-0.009826	0.002857	-0.024711	-0.0212	-0.029708	-0.018946
195	-0.037539	-0.018442	0.01925	0.011045	0.020639	0.005482	-0.008775	0.001305	0.012845	0.017914	0.007787	-0.026423	-0.00868	0.01601
196	-0.000757	-0.006773	-0.027217	-0.016715	0.015423	0.019337	-0.004321	0.006586	0.031083	0.022363	0.009899	-0.011934	0.021536	0.007825
197	-0.035776	-0.023977	-0.034382	-0.01116	-0.009132	-0.008486	0.004445	0.041988	0.000694	0.028799	-0.009485	-0.040415	-0.004332	0.021575
198	-0.003607	0.009969	0.003169	0.008182	0.007318	0.029209	-0.021122	-0.01217	0.013318	0.008463	0.012989	-0.014922	0.02286	-0.016791
199	0.062103	-0.05734	-0.041185	-0.001422	0.011298	-0.025543	0.021516	0.030334	0.051285	0.087249	0.00389	0.126035	0.009856	0.030295
200	-0.039659	0.007057	0.033606	0.000063	0.009501	-0.025107	-0.019029	-0.008734	-0.026422	-0.037622	0.026735	-0.015939	0.00829	0.000357
201	0.002912	-0.010483	0.02072	0.012067	-0.010771	-0.041062	-0.013464	0.038011	-0.039032	-0.051356	-0.031252	0.019793	-0.019288	-0.034023
202	-0.060266	-0.016024	-0.041386	-0.04189	-0.030466	0.027658	0.003635	0.029821	-0.01261	-0.051657	-0.01462	0.017094	-0.006242	0.003286
203	-0.030936	-0.042129	0.001985	0.013365	0.014535	-0.035184	-0.045499	-0.02166	-0.012186	0.064447	-0.017118	0.006251	0.0298	0.019602
204	0.004308	-0.035752	0.028442	-0.020916	-0.010874	-0.015889	-0.023693	-0.013486	-0.014313	-0.080568	-0.007017	-0.008859	-0.001615	-0.032801
205	-0.008268	0.0036	-0.070428	0.052053	0.037829	0.025517	-0.006087	0.034083	0.035284	0.033085	-0.001516	0.001231	-0.02261	-0.036048

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
206	-0.067531	-0.000686	-0.050876	0.000883	-0.006335	0.000473	-0.00461	0.048908	0.019014	0.045727	0.024432	0.021015	0.004309	-0.010789
207	-0.026629	-0.032789	0.037643	-0.010106	0.016852	-0.030608	0.026488	-0.00286	0.056351	-0.019533	0.058968	0.007965	0.020319	0.011478
208	-0.05553	0.00738	0.014941	0.022274	-0.02074	-0.01657	0.004001	0.016817	-0.015631	-0.013612	0.00045	-0.03683	-0.015051	-0.008683
209	-0.00181	0.005696	0.018492	0.005658	-0.008431	-0.00899	-0.003489	-0.054766	0.023971	-0.079253	0.026594	0.007161	0.006568	-0.018542
210	0.027897	0.010109	0.047589	-0.00181	0.016563	0.025022	0.006134	0.040891	0.017612	-0.058587	-0.00118	0.029608	0.024658	0.004007
211	0.085396	0.047289	-0.047694	0.02468	0.005182	0.010669	-0.005165	0.045866	-0.051841	-0.050464	-0.004225	0.092173	0.003721	-0.001501
212	0.003579	0.029329	0.038194	-0.000621	-0.013747	-0.013365	-0.014252	-0.043408	-0.003491	-0.006646	0.017267	-0.009287	-0.008129	-0.010221
213	0.014794	0.002564	-0.085327	-0.011474	-0.008395	-0.027343	-0.000158	-0.044438	0.021553	0.004355	0.001215	0.006224	-0.022319	-0.004971
214	0.034691	0.001587	-0.004875	0.006369	0.001702	-0.004819	0.006303	0.008531	-0.008759	-0.002243	0.006601	0.002819	0.001429	-0.011249
215	0.000266	0.006282	0.09697	0.024332	0.01175	-0.01902	-0.005746	-0.027322	0.015897	-0.002745	0.034368	0.016328	0.001785	0.038242
216	0.009435	-0.016115	0.001352	-0.022415	-0.002273	0.017259	0.033265	0.011953	0.035486	0.029203	0.01474	-0.008118	0.007353	0.021565
217	-0.000199	-0.014003	0.056857	-0.01049	-0.000015	-0.035672	0.007005	0.012868	0.001194	-0.001914	-0.018557	0.030802	0.011931	-0.015503
218	-0.007001	-0.021105	0.008225	-0.025018	-0.0237	-0.018507	0.010593	-0.000499	0.00466	-0.011725	-0.003451	0.006779	-0.008035	0.021153
219	0.021464	-0.017614	0.030278	-0.036179	-0.013122	-0.007114	0.027608	-0.007464	0.016717	0.032499	0.013846	0.034304	0.009702	0.00418
220	0.024988	-0.020435	0.028151	-0.022955	-0.003991	-0.069489	0.030963	-0.054619	-0.009296	-0.02504	-0.003845	-0.002958	-0.002704	0.002686
221	-0.025882	-0.012734	0.02177	-0.007341	0.000488	0.009329	0.005608	0.018149	0.010963	0.028157	0.011023	-0.025132	0.003369	-0.008963
222	0.002619	0.003197	0.003398	-0.022281	0.003102	0.001955	0.003438	-0.032033	-0.008676	0.025831	0.019236	0.020234	0.014562	-0.016571
223	-0.021079	-0.014331	-0.018872	-0.012333	-0.004854	-0.004689	0.00824	-0.029069	-0.005932	-0.024978	-0.010087	0.030723	-0.01706	-0.036531
224	-0.00035	-0.021099	-0.034647	-0.016461	0.009991	-0.000821	0.031604	-0.02079	-0.003991	-0.017883	-0.019912	-0.007909	0.004755	0.005085
225	0.022646	-0.011864	0.009463	-0.002773	0.017122	0.003875	0.014396	0.004417	-0.002049	0.024914	-0.013605	-0.017719	0.014771	0.012005
226	0.005223	0.026493	0.013887	0.007668	-0.00785	0.014885	-0.016413	-0.028809	-0.005153	0.016377	-0.011331	0.026437	0.01383	-0.018758
227	-0.036887	0.013225	0.024999	0.034831	-0.002714	-0.007847	-0.01782	0.014062	-0.019503	-0.027737	-0.015341	-0.012198	0.006395	-0.003396
228	-0.053881	0.033662	-0.028011	-0.012906	-0.01212	0.026784	-0.005208	0.006929	-0.013702	-0.004053	-0.041208	-0.018671	-0.000406	-0.026612
229	-0.01683	0.045622	0.040203	0.019512	0.033936	0.051814	-0.021587	-0.045835	-0.001929	0.029433	0.013541	-0.023278	0.015462	0.030078
230	-0.028749	0.000296	-0.01156	0.00014	0.007344	0.021316	-0.010821	-0.034577	-0.007956	-0.014578	0.017077	0.00696	-0.007465	0.017809
231	0.007444	-0.007344	-0.014837	0.018588	-0.020094	-0.042399	0.025596	-0.004324	0.036877	-0.042519	0.006153	0.033438	-0.013535	0.002166
232	-0.025917	-0.003084	-0.023706	-0.034157	0.000417	-0.018129	0.002525	-0.042977	-0.005298	0.028484	-0.015353	0.025332	0.003511	-0.025682
233	-0.016366	0.014897	-0.011376	0.001029	0.020164	0.026308	-0.008011	-0.042638	-0.00991	0.008948	-0.004497	0.000875	0.036374	-0.00167
234	-0.004756	0.007404	-0.019438	-0.007121	-0.004097	0.006062	0.007173	-0.030303	-0.003834	-0.031429	-0.011897	-0.015861	-0.000336	0.014964
235	0.01767	-0.002842	-0.025573	0.02157	0.004374	-0.024559	0.015677	-0.014115	-0.004607	-0.008225	0.013844	0.012355	-0.013455	0.014367
236	-0.018177	-0.006264	0.023861	-0.000302	-0.005916	-0.007004	-0.00273	0.027413	0.009941	-0.012537	-0.000389	0.012431	-0.008148	-0.021148
237	0.030445	-0.002547	0.019872	0.003877	0.006918	0.021006	0.01029	0.018551	-0.004612	-0.02169	-0.012073	-0.016771	0.016783	-0.024575
238	0.015568	-0.018484	-0.013389	-0.020179	0.00051	0.006335	0.032789	0.022246	-0.007199	-0.003175	-0.000677	0.025968	0.018656	0.003172
239	0.003776	-0.012684	0.009305	-0.012819	0.006905	0.007262	0.014229	0.02263	0.007313	0.015593	0.011013	0.043327	0.022025	0.016416
240	0.003014	-0.023249	-0.029371	0.008616	-0.003122	0.010188	-0.007218	0.018612	0.034815	-0.004166	0.000942	0.015848	0.007797	0.007494
241	-0.004343	-0.010504	-0.00769	-0.007019	0.015007	0.015728	0.005355	-0.034503	-0.005421	-0.039038	-0.024874	-0.022521	0.041623	0.016672
242	-0.009201	-0.006292	-0.00619	-0.008126	-0.014743	-0.021686	-0.008157	-0.031431	-0.012491	-0.012298	0.000255	0.00054	-0.016417	0.005591
243	0.014693	-0.014317	-0.023902	0.00888	-0.009083	0.004782	0.000213	0.004932	0.00191	0.003096	0.003481	-0.002874	0.001053	0.021589
244	-0.006358	0.006279	-0.004969	0.012394	0.010216	-0.006061	-0.018364	0.025723	-0.002535	0.02306	0.009708	-0.031768	0.004169	0.003167
245	-0.026335	-0.000885	-0.029842	0.011595	0.018365	-0.003989	0.009238	-0.028366	-0.000438	-0.027171	0.007925	0.035713	0.00395	0.014366
246	-0.007862	-0.000357	0.044152	-0.000813	-0.005051	-0.015267	0.01375	-0.004696	0.011152	-0.017116	0.000831	0.013636	-0.009085	0.003238

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
247	0.020299	0.002492	0.01957	0.015355	0.002503	0.006669	-0.009231	-0.006754	0.002955	-0.007116	-0.002836	0.027894	0.002982	-0.015258
248	0.028295	0.017396	0.023895	0.015595	0.000191	0.005773	-0.006708	-0.016275	-0.009384	-0.005485	0.009192	0.030676	-0.006651	-0.022014
249	0.014959	0.008376	0.011251	-0.007333	-0.026311	-0.013366	-0.001895	0.049243	0.014836	-0.021338	0.013651	0.001106	0.00583	-0.007031
250	0.006851	-0.018107	-0.028918	-0.004296	-0.008321	-0.017773	0.009171	0.039426	0.034517	0.003013	0.002047	0.020495	-0.002062	-0.005542
251	0.007177	-0.028281	-0.001992	-0.021077	-0.002833	-0.008064	0.002548	0.000065	0.022893	0.025929	0.006768	0.012722	0.006844	0.000623
252	0.014001	-0.022931	-0.023158	-0.021905	-0.002437	-0.006934	-0.019046	-0.018516	0.008321	0.014731	0.009023	0.027216	0.005652	0.025492
253	0.029012	0.005268	-0.048127	-0.000231	0.016968	0.008852	0.006162	-0.001663	0.002699	-0.012283	-0.005941	-0.073301	0.015591	0.02127
254	-0.024476	0.007034	0.018708	0.009487	-0.003858	0.000053	-0.001024	0.009759	-0.007943	-0.03761	-0.010667	-0.014359	-0.016039	-0.017161
255	-0.017493	0.004974	0.009585	0.005969	-0.005033	0.012117	-0.003021	-0.023249	-0.001529	0.007047	-0.003287	-0.033627	-0.004952	0.011364
256	-0.015681	0.01219	0.009368	0.011563	0.009471	0.002606	0.024406	-0.06066	0.009166	-0.012282	0.009307	-0.015493	-0.004405	0.055624
257	-0.009284	0.002026	-0.019565	0.003249	0.004728	0.005113	-0.007697	-0.005521	-0.016541	0.039015	0.007042	-0.001728	-0.016669	0.006528
258	0.012792	0.004835	-0.00425	0.028143	0.011035	0.030477	-0.006909	-0.004659	-0.002887	-0.011191	-0.026993	-0.012398	0.012852	0.006467
259	0.004975	0.011994	0.024759	-0.004103	-0.005059	0.007555	-0.012931	0.02301	-0.005439	0.007499	0.015393	-0.011782	0.000208	-0.025836
260	0.044059	0.018111	0.006387	-0.009512	0.013995	0.014892	-0.014839	0.032563	0.022409	0.055878	0.015919	-0.006381	-0.003573	-0.012961
261	-0.006807	-0.004496	0.03624	-0.004442	0.00991	0.028923	-0.006908	0.030232	0.022641	0.033658	-0.002144	-0.03839	0.004361	0.005109
262	0.012076	0.000467	0.017669	-0.015571	-0.004916	0.008174	-0.00876	-0.000731	0.003245	0.005245	0.00077	0.008608	0.006014	-0.003846
263	0.002813	-0.014918	-0.006422	-0.042458	-0.021649	-0.01566	-0.009805	0.002791	-0.025881	-0.0107	0.002231	0.007913	-0.013729	-0.013141
264	0.004691	0.017765	0.002807	0.013628	0.01373	0.009225	0.006532	0.012511	-0.014982	-0.025536	0.029192	-0.015122	0.01544	0.005834
265	-0.007173	-0.000737	0.044601	0.03446	0.030722	0.00283	0.008177	0.018315	0.001615	-0.012471	-0.001331	0.017065	0.006261	0.021856
266	-0.007646	0.019538	-0.011492	0.034606	0.027814	0.03695	0.007563	-0.008691	0.010276	-0.006422	-0.023684	0.005476	-0.001535	0.010666
267	0.024837	-0.011118	0.011758	-0.0039	-0.021846	-0.027067	0.023882	0.0359	0.025567	-0.019484	0.007501	-0.021197	-0.000034	0.019471
268	0.01739	0.000161	0.006194	0.000527	-0.008295	-0.007731	-0.02898	0.004086	-0.002578	0.028983	-0.00409	0.013054	0.009254	-0.005944
269	0.021266	0.021689	0.01344	0.008702	-0.014921	-0.011584	-0.012096	-0.026849	-0.005437	0.021385	-0.008906	-0.011622	-0.004655	-0.003305
270	-0.015881	0.015474	0.004645	0.007514	-0.01748	-0.004282	-0.012792	-0.020181	-0.003732	0.004485	-0.008814	-0.024791	-0.005466	0.001421
271	-0.023555	0.013288	-0.093048	0.007567	0.009985	-0.021509	0.042588	0.080369	0.051501	-0.014336	0.01537	0.062734	0.020643	-0.009218
272	-0.025369	-0.005368	-0.01753	0.008096	0.019661	0.03184	-0.006307	-0.035382	-0.009143	-0.006204	0.007662	0.015228	0.017483	0.010921
273	-0.007006	-0.010026	-0.014574	-0.000302	0.010152	0.015434	-0.046355	-0.040517	-0.009761	0.009173	0.020106	0.023619	0.001355	-0.005306
274	-0.01651	-0.003554	-0.020658	0.000275	0.011943	0.011779	-0.037878	-0.047484	-0.005127	0.004226	0.015385	0.015153	-0.000691	-0.006025
275	-0.03704	-0.004489	-0.031873	0.012026	-0.011776	-0.009951	-0.018736	0.028662	0.013674	-0.030441	0.042191	-0.041778	-0.01761	-0.002202
276	0.017209	0.014897	-0.003119	0.004462	0.013467	0.026731	-0.006974	0.018112	0.007971	0.014712	0.000483	-0.004578	0.014236	-0.007665
277	0.000108	0.00189	-0.014484	-0.00348	0.004296	0.016116	-0.013338	0.026577	-0.008744	0.008773	-0.01069	-0.009574	-0.015221	-0.009345
278	-0.003743	0.017898	-0.029167	0.00479	-0.000839	0.014623	-0.015585	0.006556	-0.00112	-0.003751	-0.011715	-0.049188	-0.032201	-0.014756
279	0.00257	-0.008054	-0.027254	-0.029361	-0.001424	0.002609	0.015489	0.030585	0.012604	0.023394	0.014556	0.017217	0.005748	0.010171
280	0.006754	-0.00923	-0.014138	0.015429	0.01422	0.034724	-0.001622	0.04689	0.006181	0.017748	-0.002866	-0.069222	0.030092	0.036372
281	-0.002135	0.014114	0.008579	0.016462	-0.001086	-0.003423	0.011546	-0.013758	0.016046	-0.027407	0.002413	0.029603	-0.00974	0.008368
282	-0.003133	0.024233	-0.016803	0.015703	-0.012804	-0.015719	0.00787	-0.0056	0.023698	-0.02171	0.000781	0.003304	-0.018158	0.023235
283	0.018746	0.03355	-0.011197	0.005993	-0.007706	0.021134	-0.003681	-0.001678	0.020211	-0.035538	0.007527	0.035649	-0.020026	-0.029407
284	0.001436	0.011703	-0.027025	0.005272	0.004746	-0.005911	-0.003896	0.020432	-0.006935	0.026429	0.020344	-0.020403	-0.014481	0.016429
285	0.008727	0.026941	-0.021563	-0.013093	-0.002157	-0.018654	-0.006473	0.028439	0.005502	0.042214	0.020478	-0.023351	-0.020293	0.004017
286	0.025089	0.043531	-0.009059	0.030191	0.013671	0.007051	-0.000851	0.034983	0.011146	0.008715	-0.002586	-0.025903	0.026199	0.028318
287	0.002394	0.035224	-0.028865	0.011541	-0.005614	0.029833	-0.004663	0.011004	-0.005899	-0.014069	-0.026634	-0.024047	0.005185	0.016971

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
288	0.044779	0.043758	-0.002148	0.022449	0.009508	0.04926	-0.009163	-0.014724	0.021631	0.010518	-0.007435	-0.023138	0.011424	0.00785
289	-0.016524	-0.000152	0.016602	0.00474	0.00756	0.005092	-0.00991	-0.005946	0.018861	0.013993	0.008599	0.005541	0.002802	0.008655
290	0.012608	-0.03997	-0.033318	0.007052	0.002764	-0.005548	-0.014123	-0.023125	0.007503	0.008313	0.016791	0.01022	-0.006372	0.01756
291	0.015202	-0.036268	-0.028055	0.010198	0.00141	-0.006396	-0.015498	-0.009884	0.010535	0.006454	0.018942	0.00344	-0.00581	0.019719
292	0.008078	-0.036859	-0.039967	0.001213	0.001406	-0.003599	0.002328	-0.002905	-0.003397	-0.001942	0.010015	0.025358	0.003268	0.005206
293	-0.116193	-0.02167	0.054599	0.025516	0.000932	0.026069	-0.051061	0.025471	0.019577	0.019005	0.001849	0.010507	-0.011073	-0.006085
294	-0.023325	-0.008523	0.015371	0.022796	0.000315	-0.01487	-0.008329	-0.002677	0.016089	-0.037117	0.010121	-0.000428	0.004363	-0.0124
295	-0.053407	0.000805	-0.003182	0.030056	0.00422	0.008259	-0.034707	0.001425	0.005456	-0.009693	0.005701	0.003475	-0.012776	-0.019956
296	-0.009557	-0.030075	-0.024259	-0.024234	-0.023299	-0.051458	-0.014092	-0.015051	0.000138	-0.021986	-0.014338	-0.028906	-0.020163	-0.032392
297	-0.030664	-0.014154	-0.007594	-0.003807	-0.009139	0.011839	-0.019905	-0.054361	-0.014305	-0.027745	-0.017055	0.005902	-0.017284	-0.010897
298	0.02286	0.016759	0.034643	0.018867	-0.000825	0.009859	-0.002141	0.008178	-0.03364	-0.050133	-0.010983	-0.049748	-0.028962	-0.02551
299	-0.019363	-0.042687	0.003079	-0.02538	-0.005558	-0.026528	0.01103	-0.014274	-0.001947	0.008692	-0.037635	0.025884	0.014409	-0.007132
300	0.024898	-0.008761	0.012007	0.00921	0.011936	0.028614	0.020527	0.086701	-0.017741	-0.004096	0.003126	-0.006297	0.018119	-0.032994
301	-0.040365	-0.011039	0.032096	0.006029	-0.001337	-0.001107	-0.01488	0.008634	-0.010836	0.032508	0.001768	-0.007311	-0.019803	-0.004079
302	0.000023	-0.033103	0.026569	-0.027041	-0.016382	-0.035566	0.016054	0.026134	-0.001174	0.033546	-0.005416	-0.008825	0.006485	-0.012667
303	-0.000802	-0.010058	-0.0153	0.004863	0.003725	-0.034562	0.005189	0.003081	-0.011039	-0.01475	-0.045756	-0.004877	0.025564	-0.009026
304	0.010016	-0.030846	-0.002069	-0.047948	-0.010433	-0.033374	0.013573	0.005905	-0.009074	0.003263	-0.036195	0.033245	0.031532	-0.025104
305	0.696026	-0.002764	0.065111	0.012854	0.007119	0.003799	-0.017027	0.000825	0.00463	-0.039311	-0.014706	-0.011404	-0.001221	0.000424
306	-0.00255	0.8216	-0.033866	-0.072074	-0.034649	-0.100716	0.011239	0.021137	-0.01258	-0.012447	-0.008892	0.020228	-0.023223	-0.009295
307	0.035515	-0.046823	0.475387	-0.001029	-0.00429	-0.035463	-0.02807	-0.021032	0.025335	-0.084116	-0.022535	0.076021	-0.019009	-0.038676
308	0.026396	-0.090809	-0.016121	0.848314	-0.056126	-0.079681	0.041042	0.003463	-0.011531	0.030707	-0.019825	0.025956	-0.011775	-0.023537
309	0.005791	-0.024156	0.001731	-0.050852	0.913625	-0.05026	-0.013437	0.022909	-0.024754	-0.00696	-0.044605	0.004521	-0.06211	-0.039992
310	0.020647	-0.096289	-0.003739	-0.073138	-0.075113	0.809117	0.026129	0.046605	0.004411	-0.034577	-0.00622	0.015629	-0.060447	-0.032591
311	-0.028661	0.027778	0.012654	0.048251	0.001592	0.043756	0.864467	-0.023773	-0.043478	0.019561	-0.02593	0.001479	-0.033092	-0.027804
312	-0.007901	0.00154	-0.057993	0.024413	0.018514	0.026253	-0.027786	0.483825	-0.061219	-0.12081	-0.044432	0.041499	0.018981	0.017479
313	-0.000565	-0.012488	0.042271	-0.003033	-0.019605	0.005048	-0.047536	-0.040827	0.854632	-0.043127	-0.062537	-0.039521	-0.039506	-0.023835
314	-0.013044	0.013116	-0.024088	0.031325	-0.013743	-0.021642	-0.003314	-0.108342	-0.058439	0.599337	-0.033668	-0.039159	-0.038638	-0.069614
315	-0.024653	-0.012737	-0.016818	-0.01416	-0.042664	-0.007946	-0.026581	-0.033461	-0.059257	-0.027279	0.890341	0.002181	-0.042287	-0.041813
316	-0.025666	0.023651	0.077536	0.010336	-0.026363	-0.003408	-0.005759	0.045857	-0.021872	-0.01943	-0.006175	0.528492	-0.030122	0.006554
317	-0.015446	-0.00066	0.002461	0.000587	-0.061036	-0.037678	-0.033851	0.031227	-0.021211	-0.028693	-0.038427	0.002222	0.879328	-0.060207
318	-0.00056	-0.002179	-0.041422	-0.030088	-0.034471	-0.023564	-0.026809	0.034485	-0.027214	-0.044542	-0.04423	0.023137	-0.063536	0.801552
319	0.023106	-0.00462	-0.030789	-0.028359	-0.052776	-0.021003	-0.020813	0.020382	-0.038017	-0.005037	-0.073876	-0.018758	-0.060848	-0.052607
320	0.014971	-0.062763	-0.016065	-0.041363	-0.011538	-0.027843	-0.026802	-0.020486	-0.012779	0.02547	-0.026073	-0.008825	-0.021159	-0.029295
321	0.026562	-0.041656	-0.070515	-0.034919	-0.015217	-0.023648	0.000562	-0.007653	-0.041716	-0.046439	-0.040992	-0.006423	-0.000581	-0.014261
322	-0.047488	0.041866	0.00456	0.020161	0.014114	0.005769	0.015297	-0.045537	0.053015	-0.019528	0.028203	-0.028918	0.012822	-0.004695
323	0.027647	0.001166	-0.03742	0.025185	0.007792	0.008926	-0.022042	-0.081872	-0.041862	-0.062606	-0.006854	-0.000151	-0.004512	-0.001599
324	0.010527	-0.005918	-0.05579	0.002764	0.004833	-0.027803	0.010538	-0.050637	0.019858	0.000716	0.034294	-0.070273	0.020962	0.017563
325	0.007107	0.019733	0.027947	0.011342	-0.046336	-0.005794	-0.020772	-0.006757	-0.031533	-0.004877	-0.042014	-0.039599	-0.044558	-0.015577
326	-0.020258	-0.005263	-0.002166	0.046842	-0.013487	-0.006832	-0.0397	-0.004191	-0.026088	-0.02929	-0.013674	0.005851	-0.026844	-0.000142
327	-0.021479	-0.037933	-0.007285	-0.05606	-0.039926	-0.064234	-0.008079	0.010061	-0.012117	0.02638	-0.028901	0.007543	-0.026685	-0.044123
328	-0.072043	-0.013853	-0.00348	-0.045761	-0.010556	0.011853	-0.007636	-0.031272	0.016648	-0.006517	-0.003829	-0.01185	0.009947	0.065414

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
329	-0.002508	0.023055	0.027521	0.022514	-0.003791	-0.014558	-0.035747	-0.02439	-0.046612	0.018052	-0.02053	0.00169	-0.007134	-0.017159
330	-0.013006	0.000932	0.093595	-0.000302	0.001709	-0.008079	-0.010219	0.085193	-0.002375	0.006882	0.008639	-0.032874	-0.020225	0.015377
331	-0.003774	0.004768	-0.019531	0.006748	-0.023263	-0.000064	-0.035601	-0.031605	-0.020504	0.002044	-0.042324	-0.00758	-0.001	-0.010297
332	0.016719	0.008836	-0.007457	0.012892	-0.005433	0.002997	-0.063978	0.041899	-0.006744	0.000705	0.009428	-0.040302	-0.009382	0.016527
333	-0.002615	0.031361	-0.019708	0.022051	-0.038285	0.009896	-0.034059	0.008898	-0.015317	0.04065	-0.026967	-0.014828	-0.056146	-0.03059
334	0.006915	0.031966	0.039309	0.044762	-0.023509	0.035089	-0.005136	-0.063959	-0.025339	-0.035028	-0.026839	0.017579	-0.006537	0.010106
335	0.025908	-0.017779	-0.029151	-0.034897	-0.036595	-0.040199	-0.012486	-0.020075	-0.020492	0.033912	-0.028489	-0.043177	-0.031774	-0.025083
336	-0.009481	0.003705	0.039058	0.023948	-0.024824	0.000323	0.008905	-0.004765	0.039232	-0.059228	-0.00201	0.071451	-0.026466	-0.024332
337	-0.027827	-0.024611	-0.048389	0.02187	0.010005	-0.026971	-0.004889	-0.037139	0.0247	0.009386	-0.017671	-0.037011	-0.00762	0.001104
338	0.045308	-0.000691	-0.029187	0.021508	-0.000264	-0.020116	-0.02433	0.017913	0.040812	0.007136	0.020529	-0.032545	0.023281	0.026149
339	-0.01844	0.000535	-0.006495	0.011304	-0.012623	0.014972	-0.071591	-0.024197	-0.014186	0.007766	-0.025918	0.007654	-0.004128	-0.018179
340	-0.044047	0.002851	0.027765	-0.00557	-0.001623	0.009395	0.002174	0.06718	0.004684	-0.001477	-0.012926	0.005549	0.022651	-0.064033

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
1	-0.008108	0.013247	-0.041658	-0.028413	-0.041864	-0.040583	0.006903	0.040482	-0.04838	-0.156468	-0.021941	0.034611	-0.006361	0.085873
2	0.031639	-0.013449	-0.020384	-0.072902	-0.017176	-0.052001	-0.013493	0.006029	-0.04112	0.109851	-0.011861	-0.062106	0.044585	-0.018424
3	-0.061289	0.045612	0.012466	-0.023909	-0.07213	-0.117646	-0.08931	-0.070572	-0.067147	0.05182	-0.132849	0.06488	-0.06813	0.035735
4	0.027058	-0.066176	0.040007	0.122236	0.074662	-0.01103	-0.038982	0.038046	0.011627	-0.024845	0.024658	0.027283	0.036691	-0.040081
5	0.010043	0.00491	0.030861	0.067245	0.041614	-0.032724	-0.04478	-0.054069	0.016894	0.024073	-0.001153	0.045769	0.011385	0.054735
6	0.029082	0.035039	-0.011712	0.063953	0.017299	-0.002242	0.024227	0.018409	0.031825	0.049024	0.019451	0.007768	0.055072	-0.024077
7	0.031733	0.030203	0.050971	-0.043822	-0.003918	0.021402	0.024713	-0.002376	0.036304	-0.034538	0.021071	-0.01214	0.064734	0.050233
8	0.007084	-0.009009	0.035951	0.11129	-0.063966	0.068574	0.033116	0.02159	-0.016728	0.022274	-0.014043	0.104296	0.001221	0.027301
9	0.003402	-0.013892	-0.044814	-0.06914	-0.118017	0.077748	0.041395	0.031431	0.020319	-0.05614	-0.017223	-0.012789	-0.022845	-0.007257
10	-0.028948	-0.00324	0.002529	-0.061275	0.038289	-0.02452	-0.054239	-0.089954	0.016979	0.030404	-0.015386	0.052093	-0.049612	0.02561
11	0.022799	0.022925	-0.002597	-0.009152	0.056278	0.064735	0.053409	-0.074964	0.057638	0.031284	0.012544	-0.000471	-0.007665	-0.090873
12	-0.012965	0.002652	-0.041527	-0.060372	-0.004434	0.049706	-0.069401	-0.01089	-0.016535	0.061253	-0.012801	0.070858	-0.032851	0.018379
13	0.000017	-0.006048	0.010793	0.065904	0.018431	-0.111366	0.060544	0.064392	0.071898	-0.0247	0.058343	0.081389	0.012846	0.078413
14	0.011105	0.053132	0.043694	0.035166	-0.030425	0.04087	0.0054	-0.044701	0.008447	0.09171	0.011252	-0.04008	-0.058374	0.012032
15	-0.005292	-0.069969	-0.065894	0.136601	-0.013613	-0.004818	-0.020265	-0.050917	-0.02846	-0.019082	-0.03977	0.024097	-0.058382	-0.132671
16	0.018143	0.025484	-0.050417	0.002067	-0.037598	0.010949	-0.014546	0.015791	0.012922	-0.055143	0.004319	0.031856	0.023229	0.040258
17	-0.059261	-0.077375	-0.030444	0.001887	-0.016507	0.050143	-0.045938	0.031093	-0.049849	0.034353	-0.037554	-0.072055	-0.02814	-0.008808
18	-0.051209	-0.001332	0.105755	0.034764	0.097301	0.036872	-0.054139	-0.014017	0.055982	0.19123	0.115403	0.019503	0.05701	0.024153
19	0.002827	-0.026262	-0.069299	-0.053452	-0.097963	0.004875	0.073987	0.010959	-0.037483	-0.020193	-0.08157	-0.131718	0.002955	-0.033657
20	-0.036531	-0.054086	-0.032942	-0.069112	-0.078577	-0.058655	-0.009043	-0.007962	-0.002647	-0.017997	0.043164	-0.054907	-0.01604	-0.036628
21	-0.00723	0.082941	0.018576	-0.060229	0.02443	-0.076494	-0.041644	0.010858	0.029653	-0.033629	0.040586	0.070825	-0.036687	0.083857
22	0.00303	-0.0299	0.083287	0.001981	0.034484	0.016119	-0.051975	-0.000015	-0.014592	0.063322	0.0199	0.036965	0.013953	0.074797
23	-0.024635	0.040862	-0.046651	0.070721	-0.046931	-0.009599	0.059814	0.036275	-0.03984	-0.004931	-0.031841	-0.077996	-0.025057	-0.023588
24	0.072304	-0.011272	-0.017325	-0.037478	0.012046	-0.068206	0.084658	-0.01017	0.025513	0.006413	-0.002604	0.133502	0.058105	-0.004255
25	0.0037	-0.001586	-0.020483	-0.075167	0.042296	0.08714	-0.020123	0.026694	0.01288	-0.097182	0.009439	0.043108	0.05079	0.006673
26	-0.0591	0.072502	0.034247	0.072229	0.053467	0.000932	-0.017777	-0.040329	-0.007033	0.073072	-0.048868	-0.040449	-0.044986	-0.075422
27	0.032432	-0.008084	-0.041085	0.166054	0.057878	0.088874	-0.007151	-0.03886	0.043646	-0.018938	0.023959	0.120361	0.081599	0.055567
28	-0.016591	-0.019047	0.091966	-0.04077	-0.061393	-0.068871	0.032146	0.007729	-0.019795	-0.003337	-0.034548	-0.045664	0.031631	0.044755
29	0.004968	0.047134	-0.021778	0.020467	-0.001273	-0.015333	0.011402	-0.028783	-0.001342	-0.021541	-0.025302	0.020539	-0.011486	-0.0204
30	0.03514	0.011813	-0.00368	-0.016283	0.011963	-0.010152	-0.00091	-0.064557	-0.011941	0.096066	0.009358	-0.040829	-0.011161	0.053283
31	-0.011362	-0.029466	-0.058517	-0.032303	-0.02076	0.04679	-0.016507	-0.130869	-0.043629	-0.007322	-0.085964	-0.124538	0.005525	0.039781
32	0.026727	0.028148	0.01309	0.005257	-0.045953	-0.04437	0.016261	0.059957	-0.001504	-0.014184	0.038142	0.056175	-0.024745	0.10375
33	0.004601	-0.048648	0.032522	-0.148538	0.068874	-0.023244	0.047895	0.032794	-0.007729	-0.063821	0.045437	0.098836	0.016239	-0.066143
34	0.061759	0.010681	-0.001928	-0.06651	0.075435	-0.117971	-0.013221	-0.13523	-0.012162	0.204128	0.059309	0.011074	-0.003264	-0.033074
35	-0.017261	-0.08076	0.0549	-0.084867	0.003858	0.021792	0.014048	0.004558	-0.014509	0.013842	-0.015308	-0.031102	-0.039507	0.054498
36	-0.005461	-0.000775	0.04522	0.008972	0.064229	0.073887	-0.013869	0.002655	0.016428	0.004286	0.024067	0.048948	-0.037052	-0.053268
37	0.016012	0.040157	0.001357	0.025741	-0.037101	-0.06066	-0.009369	0.01721	0.010032	-0.155631	0.014803	0.059881	0.001221	0.009271
38	-0.040814	-0.043424	0.034538	0.090546	-0.048851	0.143039	-0.019871	-0.038122	0.005508	-0.01998	-0.00754	-0.144325	-0.000306	0.080349
39	0.019845	0.072849	0.031512	0.023436	-0.032247	-0.024534	-0.005928	0.100654	-0.048406	0.064622	0.003362	-0.108079	0.039132	-0.09233
40	-0.032732	-0.032842	-0.014352	0.024491	0.016268	-0.010551	-0.039464	-0.014331	0.006527	-0.003916	-0.017866	0.044051	-0.023432	-0.060399
41	0.002754	0.011306	-0.01585	-0.025061	-0.06607	-0.081418	-0.009784	-0.015311	0.04644	0.01972	-0.042475	-0.049624	0.012567	-0.067061

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
42	-0.004173	-0.025051	-0.006714	-0.021199	-0.018937	0.013193	0.015933	0.00008	0.016423	-0.032947	-0.000623	0.029509	-0.006101	-0.003776
43	-0.002775	-0.037122	0.106546	-0.159042	-0.01293	0.112779	0.105732	0.063679	0.012466	-0.051668	0.038294	-0.041111	0.016506	-0.016308
44	-0.014106	-0.011967	-0.047682	0.008859	-0.048868	0.091379	-0.013433	-0.031737	0.012618	-0.158436	-0.018728	0.060599	-0.034413	0.039919
45	-0.013531	0.022653	-0.107535	-0.030422	0.013363	0.11688	-0.060599	0.005841	0.016376	0.006424	-0.037979	0.074677	-0.049344	0.052333
46	-0.050637	-0.008818	-0.084114	-0.027038	-0.014058	0.003297	-0.003859	0.034156	0.008227	0.045101	0.047807	-0.022373	-0.004384	0.043123
47	-0.022405	0.021974	0.083781	-0.07419	-0.046878	0.093874	0.037549	-0.008521	0.010164	-0.021733	-0.032704	0.031376	0.007071	-0.016004
48	-0.057409	-0.035751	0.024595	0.054214	0.017384	-0.091181	-0.001963	-0.057645	0.011306	0.120364	-0.034848	-0.01558	-0.006719	-0.10779
49	-0.017871	0.022303	-0.029431	-0.123852	-0.058889	-0.027142	-0.042487	-0.003566	0.000405	-0.169772	-0.023955	-0.04738	-0.012925	0.109421
50	0.044319	0.054086	0.035699	-0.08497	0.066742	0.037056	-0.028182	-0.058049	-0.025468	-0.000689	0.01769	-0.074117	-0.009107	-0.059581
51	-0.025265	0.013199	-0.021782	-0.074386	0.042931	-0.043711	-0.094654	0.017882	-0.013226	-0.005801	0.010426	0.024368	-0.030488	0.026564
52	-0.007382	-0.012462	-0.027056	-0.087697	-0.078945	0.051013	0.01483	0.061652	0.025761	-0.017065	0.072082	-0.088544	-0.005438	0.038951
53	-0.044849	0.003922	0.000087	0.013205	0.071936	0.06349	-0.046881	-0.010111	-0.064222	0.03297	-0.021135	-0.002916	-0.044434	0.016843
54	-0.011099	-0.025491	-0.039062	-0.070447	0.070937	0.017746	-0.044909	-0.038888	-0.005006	-0.050212	-0.007877	0.081599	-0.040461	0.058374
55	0.020765	-0.006839	0.060873	0.000674	-0.08126	-0.016034	0.018553	0.093763	0.075968	0.014167	-0.002015	-0.057707	0.041314	-0.023832
56	-0.01341	-0.062982	-0.011394	-0.021763	0.012117	-0.016834	-0.000874	0.030004	0.001745	0.097269	0.100344	0.107822	-0.001165	0.039603
57	0.00825	0.038811	0.020465	0.028389	-0.06023	0.058593	0.035278	0.083005	-0.01394	0.181001	-0.052749	0.332125	-0.048563	0.434984
58	-0.019821	0.033972	0.085079	-0.033031	0.008508	0.101635	-0.009733	-0.006817	0.004348	0.042963	-0.062116	-0.033387	-0.011398	-0.058867
59	-0.002758	0.006591	-0.013266	-0.014205	0.005436	0.024918	0.004253	-0.001109	-0.076443	0.13834	-0.100449	0.010165	-0.022949	-0.013739
60	-0.112478	-0.087016	-0.068333	0.066764	-0.088881	0.161781	0.009418	-0.00863	-0.047868	0.069856	-0.036452	0.138224	-0.041749	-0.092744
61	0.048307	0.0395	0.033284	0.000202	0.067532	-0.019166	0.033179	0.072267	0.024379	0.122866	0.00802	0.032533	0.0475	0.066956
62	0.045182	-0.045151	-0.05885	0.096834	-0.05376	-0.085214	-0.020222	0.002771	-0.028452	-0.017521	-0.017493	0.040532	-0.056027	0.067324
63	-0.029636	0.071921	0.036242	0.041036	0.092511	0.069455	0.008813	0.03013	-0.012562	0.006342	0.009332	-0.026251	0.00728	0.005444
64	0.023537	0.003862	0.026625	0.126877	0.05301	-0.023331	0.009222	-0.086211	-0.026748	-0.022404	-0.036531	0.076447	-0.011667	-0.10766
65	0.003749	0.072744	-0.019249	-0.136259	-0.052759	-0.061151	-0.017418	0.024341	0.029959	-0.068811	0.023266	0.002658	0.036458	-0.053042
66	-0.018473	0.119556	-0.017897	0.052025	-0.006025	-0.00476	-0.035451	0.072134	0.040666	-0.075555	0.023952	-0.155836	-0.003627	-0.0218
67	0.070141	-0.017124	0.057433	-0.048595	-0.106829	0.00549	0.044643	-0.178012	-0.039684	-0.152073	-0.0227	-0.028164	-0.059202	-0.082535
68	-0.044159	0.011994	0.002329	0.081316	0.044748	-0.036167	-0.070193	-0.016352	-0.026105	-0.002056	-0.01143	-0.028931	0.011402	-0.019797
69	0.021429	-0.034806	0.002136	-0.117359	-0.016757	0.070885	0.072926	0.038845	0.00544	-0.063665	-0.022376	0.117312	-0.011794	-0.035042
70	0.008338	0.052702	-0.019265	-0.044846	-0.013026	0.074094	-0.038697	0.00909	0.037197	-0.009664	-0.00646	0.017481	-0.003896	0.040139
71	-0.00965	0.025311	0.050062	0.03919	-0.020664	0.167473	0.137863	0.031557	-0.017183	-0.029964	-0.024654	-0.007014	0.080466	0.015798
72	0.014929	0.037879	-0.046941	0.099164	0.000742	0.032074	-0.078155	-0.014772	0.078202	0.018372	0.009998	-0.145554	0.006109	0.105695
73	0.04203	-0.031614	0.002619	-0.011818	-0.013745	-0.028122	0.038764	0.076037	-0.005659	-0.108739	0.010559	-0.000748	-0.022456	-0.047333
74	0.001486	-0.010249	0.006276	0.015303	-0.047695	0.017114	-0.019024	-0.0097	-0.038142	0.081523	-0.040059	0.028256	-0.033114	0.020153
75	0.049978	-0.049761	-0.00909	-0.123951	-0.01299	-0.040223	-0.063672	-0.001489	-0.03495	-0.020234	0.011662	0.035654	0.014917	0.031356
76	0.021955	-0.026843	-0.01178	-0.084621	0.022977	-0.09029	0.000856	0.022583	-0.037947	-0.062732	-0.04331	-0.050202	0.031522	-0.034264
77	-0.016378	-0.039945	-0.123925	0.114436	-0.002902	0.093682	0.016599	-0.051838	-0.022735	0.120954	-0.060325	-0.100429	0.037025	-0.000699
78	0.043448	0.037938	-0.00702	-0.04486	-0.01434	-0.057967	-0.007285	-0.002803	-0.025888	0.021482	0.029923	0.077796	-0.000627	0.016112
79	-0.052594	0.018198	0.05413	0.127912	-0.039812	-0.020092	-0.103291	-0.038012	0.001509	-0.085625	0.029189	-0.036752	-0.088221	-0.014837
80	0.045602	0.036354	-0.021256	0.015232	-0.074178	-0.065214	0.021827	0.027661	-0.01975	0.058574	-0.04697	-0.011118	-0.03209	-0.030334
81	-0.059889	0.017169	0.062528	0.06871	-0.069385	0.001745	0.007505	-0.057611	0.006059	-0.036772	-0.02686	0.040966	-0.004847	0.074498
82	0.022481	-0.01284	0.04004	-0.065922	0.012133	-0.125622	-0.005725	-0.051096	0.030691	0.097836	-0.061415	-0.035453	-0.02027	-0.007942

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
83	0.011322	-0.012223	-0.049383	0.012276	-0.069819	-0.01559	-0.078352	0.016443	-0.030989	0.025872	-0.031329	-0.02851	-0.008652	0.05135
84	0.038158	0.069915	-0.053964	0.078804	0.013342	-0.018518	0.011069	0.042172	-0.013892	-0.047113	0.014169	-0.014423	0.002692	0.115801
85	-0.007326	-0.001078	-0.053146	-0.021823	0.069241	-0.089084	-0.034293	-0.076849	0.007002	-0.103739	-0.016264	0.034926	-0.009481	-0.01952
86	-0.030046	-0.094754	-0.003868	0.038936	0.044278	-0.065672	-0.027057	-0.072668	-0.013897	0.012382	0.070459	-0.00696	-0.034093	-0.078307
87	-0.025261	0.006534	0.000396	-0.038825	-0.038851	0.136155	-0.008322	-0.019602	-0.01565	0.112147	-0.032304	0.045376	-0.044172	0.010937
88	-0.058809	-0.092761	-0.086887	0.000332	0.062421	0.00931	-0.002712	0.077473	-0.049907	-0.007766	0.01106	-0.022944	-0.037429	-0.04449
89	0.048327	-0.024024	0.024265	-0.142337	0.044959	0.056001	0.004933	0.019187	0.060512	-0.015822	0.06838	-0.085772	0.030869	-0.060661
90	0.073248	0.062998	-0.067836	-0.012912	-0.149675	0.03071	0.01895	0.048795	0.003291	-0.010879	-0.047039	0.063107	0.031564	0.045605
91	-0.059381	0.026899	0.024193	0.041506	0.001359	0.075019	0.014319	-0.013358	-0.000515	-0.037238	-0.037788	0.004819	0.002191	-0.036689
92	0.013843	0.038147	-0.016997	-0.023342	-0.015848	-0.07447	0.037833	0.049775	0.021217	0.200536	-0.003568	0.095885	-0.016117	-0.025438
93	-0.011635	-0.036286	0.052264	0.047449	0.037955	-0.096038	-0.012966	0.06079	-0.007651	-0.026405	0.080732	0.046017	-0.034454	0.025098
94	0.019375	0.084861	0.078554	-0.125359	0.050845	0.024442	-0.060066	0.007753	0.000855	-0.016728	-0.012764	-0.038757	0.036506	-0.121141
95	0.018245	0.029711	0.018186	0.05814	0.10225	-0.046886	-0.004018	-0.008695	0.019844	-0.004605	0.007934	0.004916	0.053813	-0.000517
96	0.022458	0.060167	-0.07705	-0.03097	-0.013433	0.004135	-0.010385	0.084134	0.007312	0.064797	0.083208	0.009242	0.03565	0.013636
97	-0.045662	-0.129479	0.019704	-0.053845	0.033208	-0.017633	0.027238	0.106013	-0.077465	-0.076781	-0.012656	-0.042113	-0.023204	-0.060267
98	-0.021923	0.025804	0.050978	0.070602	0.120548	0.049268	0.084089	0.047742	-0.067092	-0.072796	0.040081	0.070824	0.039035	0.065771
99	0.0006	-0.038774	-0.027889	0.018352	-0.002677	0.132898	0.043717	-0.115141	-0.038996	0.046378	0.000311	0.100437	0.042254	-0.022042
100	-0.003726	0.006666	0.011412	-0.005289	-0.017103	0.015024	0.001874	-0.003488	0.005498	-0.000245	-0.020518	-0.041234	-0.012287	-0.007093
101	-0.023245	-0.016439	0.004204	0.002469	-0.003735	0.038132	-0.001989	0.012497	-0.014767	0.015303	-0.000438	0.01052	-0.007903	-0.004806
102	-0.011771	0.01301	0.041814	-0.00548	0.080056	0.005301	0.00475	-0.041075	-0.015797	-0.041537	-0.033207	-0.014622	-0.00727	-0.006647
103	-0.009989	0.002798	-0.00008	-0.028533	-0.018598	-0.040077	-0.010495	0.008132	0.008896	0.042297	-0.001313	-0.004528	-0.00592	-0.007633
104	0.001741	-0.019497	0.025448	0.01634	-0.020802	0.029379	0.075556	0.011511	-0.008539	0.005629	0.005791	-0.028156	-0.000797	0.038158
105	-0.003101	0.043805	-0.026712	-0.00613	-0.046597	-0.009023	-0.00351	0.038209	-0.030901	-0.035089	-0.009949	-0.032293	-0.007966	0.000336
106	-0.003872	-0.005711	0.003668	0.017364	0.03555	-0.00799	0.012002	-0.006317	0.028008	-0.040963	0.017321	-0.008197	0.016842	0.008726
107	-0.007246	0.022105	-0.034048	0.016819	-0.04198	0.038549	0.005601	-0.047407	0.019458	-0.005666	-0.010677	0.008077	0.011114	0.005976
108	0.012126	0.025241	0.0074	0.011199	-0.066502	0.002545	-0.013776	-0.009579	0.022554	0.0278	0.020016	-0.018215	-0.015148	0.019167
109	-0.02303	-0.061459	0.023397	0.012355	0.009053	0.105837	0.012063	0.025584	-0.018369	0.0299	0.010389	-0.02297	0.012198	0.075554
110	-0.002781	-0.012028	-0.02559	-0.008426	-0.038214	0.014656	-0.000749	0.040614	-0.003117	-0.001732	-0.037139	-0.003572	-0.006939	-0.020519
111	0.019353	-0.036898	0.042577	-0.014	-0.024586	-0.015051	0.037448	-0.046947	0.003896	0.000591	0.00143	-0.002542	-0.017661	-0.056775
112	-0.011197	-0.009394	0.019951	-0.008714	-0.011078	-0.056901	0.023928	0.018626	0.004782	-0.034345	-0.004076	0.039282	0.025459	0.041604
113	0.021911	0.068116	-0.017303	0.006231	0.04965	0.017355	-0.025636	-0.008683	-0.002089	-0.055262	-0.00627	-0.044094	0.004637	-0.042239
114	0.021421	0.016564	0.005088	-0.004899	-0.074394	0.046077	0.010485	-0.032593	0.009596	0.020273	-0.052675	-0.022069	0.005602	-0.027695
115	-0.033748	0.010026	0.001826	-0.055096	0.009416	0.00489	-0.025748	0.043951	-0.023704	0.017452	-0.001779	0.021741	0.017252	0.031378
116	0.021408	-0.014705	-0.008282	-0.023906	0.019388	-0.045361	0.020149	-0.043488	-0.005338	0.01222	-0.008477	0.017781	0.025003	-0.008582
117	-0.001189	0.026593	-0.010269	-0.058914	-0.033391	0.04424	0.000887	0.016954	0.012849	0.027885	-0.026447	-0.021131	-0.010886	0.053803
118	0.014618	-0.000265	0.017546	-0.065946	-0.010012	0.016742	0.021169	0.05426	-0.000516	0.05651	-0.018896	-0.015807	-0.011502	0.033563
119	0.000041	-0.03078	0.017352	-0.051532	-0.050012	0.005198	-0.00425	0.029238	-0.004723	0.015244	0.025262	0.018715	0.010065	-0.007464
120	-0.027319	-0.000191	-0.017228	-0.016136	-0.01861	0.04785	-0.014743	-0.015092	0.014708	-0.00501	0.001673	0.002511	-0.022686	0.049826
121	-0.04401	-0.039612	0.003809	-0.003881	0.041459	0.042231	-0.015065	-0.020412	-0.012217	0.001606	-0.017678	0.011365	-0.026253	-0.016208
122	-0.004044	0.023851	0.020621	0.016861	0.03039	-0.047974	0.026404	0.002525	0.00272	-0.019723	0.001142	0.033066	0.008736	0.011669
123	0.006391	0.013317	0.004632	0.029382	-0.003269	-0.022922	-0.018703	-0.016266	0.012108	0.01376	0.021821	0.000442	-0.012704	0.000425

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
124	0.010122	-0.004831	-0.034547	-0.025688	-0.02231	0.012529	0.016374	0.008581	-0.01178	-0.012051	-0.004858	-0.007163	0.017076	0.021969
125	-0.014478	0.027705	-0.018709	0.049784	0.056576	-0.020037	-0.015429	0.002354	-0.01705	-0.013904	0.024734	0.010764	0.002409	0.046647
126	0.004322	0.00493	-0.032633	0.021158	0.016933	0.019264	0.00461	-0.013813	0.002493	0.031401	0.026531	0.009172	-0.003214	0.024035
127	-0.007708	-0.000275	-0.038182	0.03973	-0.003949	0.01761	-0.002909	0.009338	0.004543	0.024183	0.010244	-0.014215	0.006242	0.02319
128	0.002702	0.021368	-0.020358	-0.007585	0.032092	0.006418	0.0197	0.036956	0.016099	-0.003629	0.023804	-0.021358	0.036857	-0.007392
129	0.00434	-0.000662	0.037253	0.001352	0.014705	-0.049884	-0.001485	-0.029755	0.012507	-0.050702	-0.026852	0.041238	0.008313	0.008649
130	-0.045435	-0.03333	0.026092	-0.015382	0.003194	-0.00554	-0.017233	0.011005	-0.024711	0.048743	0.033162	-0.007789	0.027113	-0.047436
131	0.005264	0.030854	-0.008803	0.002605	-0.055842	-0.019591	-0.004281	-0.024504	0.030926	-0.044969	-0.016863	0.033544	-0.014022	0.0013
132	0.020614	-0.002285	-0.022591	-0.083365	-0.045114	-0.058044	-0.032133	0.017861	0.002313	-0.023385	0.027447	0.016405	0.028176	0.062992
133	-0.016277	-0.032929	-0.026081	0.016572	0.025823	0.008747	-0.017821	0.064596	0.003024	0.047626	0.044025	0.010758	-0.002426	0.029146
134	0.023568	0.021699	-0.020426	-0.071509	0.024459	-0.040748	0.018562	-0.010931	-0.00865	-0.035918	0.014453	0.037856	0.029341	-0.024534
135	0.001465	0.001529	-0.027057	-0.015537	0.011868	-0.03614	-0.012633	0.004229	0.012578	0.01513	0.017846	-0.038293	-0.002492	0.008966
136	-0.004465	0.040716	-0.014093	-0.03936	0.027712	-0.003865	0.000462	0.035569	-0.009674	0.01498	0.013154	-0.002075	0.018037	-0.011581
137	0.003341	0.004681	-0.014881	0.003687	0.02468	-0.034338	-0.051785	-0.033807	-0.012499	-0.014164	-0.005818	0.015444	0.002244	0.009102
138	-0.048903	-0.043917	-0.0141	0.041759	-0.01036	0.047585	0.016611	0.035151	-0.010021	0.018707	0.01306	0.02691	-0.006144	-0.073811
139	-0.018441	-0.044237	-0.022581	0.036165	-0.007023	0.021601	0.017556	0.00517	-0.062078	-0.017734	-0.005701	0.105778	-0.043622	-0.00378
140	0.021249	0.032525	-0.033855	0.050741	-0.031263	0.006637	0.003114	-0.026839	0.033143	-0.07468	-0.019884	0.040723	0.022474	0.030685
141	0.002511	0.015205	0.021834	-0.039449	-0.014426	-0.076509	-0.002893	-0.001754	-0.020973	0.073189	0.01556	-0.061067	-0.003863	-0.045717
142	0.011578	-0.047617	-0.00102	-0.045041	-0.031732	-0.00219	0.0081	0.00463	-0.001423	0.031835	0.013684	-0.009265	-0.008461	-0.011245
143	-0.019762	-0.024145	-0.012347	0.056135	0.039753	0.013882	0.016337	-0.009709	-0.016809	-0.022651	-0.031669	0.011006	-0.035248	-0.007433
144	0.016681	0.005171	-0.017963	-0.011296	0.011474	-0.033053	-0.024323	-0.035054	0.001522	-0.022343	-0.003309	0.041342	-0.020452	0.02855
145	-0.009178	-0.018526	-0.071818	0.007505	-0.001636	0.031693	-0.006688	0.018298	-0.014904	0.008163	-0.000079	-0.029343	-0.037822	-0.008659
146	-0.0039	0.014326	-0.031861	-0.000663	-0.003186	-0.032786	-0.009278	0.012725	-0.002186	-0.019004	0.034305	-0.009619	0.006471	0.013304
147	0.008735	-0.003172	0.027982	-0.037019	0.005381	-0.015342	-0.00005	-0.019705	0.000965	-0.037717	0.019582	-0.010727	0.010974	0.020225
148	-0.008394	0.01516	0.00611	0.044008	0.039157	-0.023109	-0.028659	-0.032093	-0.011892	0.070012	-0.016232	0.033678	-0.034584	0.015244
149	-0.020044	0.008488	0.005335	-0.020696	0.016812	-0.012723	0.01264	0.021859	-0.002161	-0.022692	-0.013684	0.009138	-0.013771	0.008054
150	-0.009303	0.024833	0.009278	0.032063	0.013391	-0.03159	-0.032633	-0.00123	-0.015501	-0.017643	0.027945	-0.027867	0.002962	-0.011329
151	-0.018969	0.03607	0.065315	0.048212	-0.008102	0.013848	0.02023	-0.058818	-0.0152	-0.038545	-0.007493	-0.048315	-0.023847	-0.05449
152	-0.030132	-0.044148	-0.021659	0.018978	0.026058	-0.001676	0.002924	-0.008419	-0.035488	-0.009363	-0.031542	0.015737	0.000286	-0.015884
153	-0.016962	-0.001674	0.019092	-0.022336	-0.005589	-0.035762	-0.016775	-0.022542	-0.027644	-0.002597	-0.031931	-0.030538	-0.014203	0.007697
154	0.018694	-0.009258	-0.0147	-0.01457	-0.019154	-0.014817	-0.00654	-0.008124	-0.035406	-0.070077	-0.001916	-0.020362	-0.001715	-0.026303
155	0.010064	-0.021231	-0.02165	0.017954	-0.013746	0.015299	-0.005108	-0.004586	-0.024441	0.028682	-0.009208	0.052326	-0.003331	-0.003291
156	-0.02678	0.025786	0.042931	0.044304	-0.022002	0.011931	0.027375	-0.074732	0.014442	0.003285	0.019666	-0.024493	-0.011615	-0.044377
157	0.006793	-0.015852	-0.008999	0.0168	-0.013441	-0.005871	0.030053	0.005418	0.009938	-0.015178	0.010255	-0.023776	-0.001183	0.02309
158	0.011377	-0.007778	0.019941	-0.002754	0.02436	-0.025001	-0.007826	0.00991	0.007469	-0.014931	0.039956	-0.068271	-0.021852	0.085187
159	0.000337	-0.00023	-0.069469	0.050906	-0.049645	0.048291	0.006685	-0.033419	-0.028649	-0.027796	-0.049058	-0.058667	-0.026835	-0.002466
160	-0.005357	0.022281	0.04043	-0.032127	0.003639	0.019142	0.011552	-0.005287	0.010677	-0.056181	0.012389	-0.0122	0.028028	-0.007152
161	0.003639	-0.059608	0.018636	0.044438	0.005854	0.020862	0.046936	0.022651	-0.00678	0.034031	-0.035976	0.021537	-0.027306	0.043019
162	0.008384	-0.024541	0.013179	-0.024584	0.00401	-0.062529	-0.00535	-0.001261	0.018158	-0.011092	-0.001732	0.009941	-0.040792	-0.027759
163	0.026995	-0.007873	-0.003892	-0.057801	-0.01515	-0.005228	0.010806	-0.031242	0.020455	0.037155	-0.013248	-0.020442	0.001019	-0.042221
164	0.022306	0.029602	-0.037283	-0.012684	-0.037006	-0.011134	0.017495	-0.038858	-0.031545	-0.0036	-0.01538	-0.048357	0.001589	-0.039131

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
165	0.017094	0.006555	0.004977	0.018984	0.020909	-0.057178	0.014112	0.027184	0.00963	-0.05191	-0.037628	0.02189	0.018203	-0.055261
166	-0.016618	0.006773	-0.000372	-0.061733	-0.046462	-0.005608	-0.008976	0.003667	0.012625	0.054061	0.008028	-0.045469	0.003712	-0.009902
167	0.011859	-0.00964	0.003783	0.00482	-0.02405	-0.038185	0.039629	-0.022237	-0.013968	-0.004217	-0.000735	-0.021733	0.017732	-0.01469
168	-0.002176	0.00267	-0.038002	0.013549	0.040708	0.010829	0.022855	-0.004711	0.016636	-0.010026	0.039766	-0.004676	-0.001061	0.002947
169	0.002762	0.001362	0.003745	-0.021453	-0.011628	0.031029	0.005195	0.013957	0.008394	0.022465	0.014803	0.015936	0.000996	0.009659
170	-0.000544	0.025208	0.012632	-0.038071	0.003187	0.015859	-0.001559	0.005093	-0.006515	-0.007716	0.021152	0.032786	0.014726	0.023954
171	0.011373	0.017934	0.006226	-0.033985	-0.028335	0.020323	0.012429	0.01219	0.013322	0.034754	0.010058	0.017518	0.002153	-0.005674
172	0.009163	0.013771	0.032381	-0.002391	0.01857	0.067811	0.002547	0.020137	0.009119	0.014141	0.010969	-0.011179	-0.003719	-0.019973
173	-0.003026	0.009011	0.038044	0.039125	0.032728	0.047309	-0.002761	0.034031	0.003184	-0.002285	0.00831	0.01792	-0.007904	-0.021177
174	0.003163	-0.04301	-0.005391	0.012044	0.02964	0.032087	0.000267	0.013622	-0.006802	0.019595	0.01571	-0.007211	0.006082	-0.047036
175	-0.001922	-0.025907	-0.021463	-0.000656	-0.006189	0.013377	-0.014368	0.049933	-0.006199	-0.017067	0.027649	-0.059575	-0.014698	-0.014197
176	-0.016028	0.018577	-0.007168	0.020818	-0.014793	0.035125	-0.004409	0.003759	0.017667	-0.007915	-0.012339	-0.08416	-0.004865	0.021408
177	0.027446	0.005443	-0.014789	-0.043297	0.058087	-0.037676	0.012766	-0.016466	0.007139	0.059915	0.018166	-0.059405	0.012782	0.032659
178	-0.005627	-0.063733	-0.0115	0.007431	0.012295	0.015153	0.02095	0.027224	0.00619	0.019333	0.003076	0.016497	-0.022178	-0.014215
179	0.005499	-0.013013	0.000202	-0.018564	-0.010189	-0.002393	0.000726	-0.012055	0.009397	0.048108	0.000852	-0.012333	0.01021	-0.031992
180	-0.010074	-0.004424	0.026097	-0.011601	0.02026	-0.016766	-0.005302	0.015654	0.001782	0.024007	0.011119	0.013823	-0.006331	-0.001209
181	-0.011771	-0.015139	0.025771	-0.014589	-0.008101	-0.005434	-0.00161	0.010841	-0.006762	0.011206	0.001201	0.016203	0.00253	0.002448
182	-0.008666	-0.000252	0.011037	-0.015174	-0.009395	0.007068	-0.031317	-0.003161	-0.024098	0.004606	0.004165	0.014853	-0.005993	0.008446
183	0.023158	0.045508	-0.006555	-0.006063	-0.020747	-0.010983	-0.007945	-0.037099	0.000931	0.026703	-0.019106	-0.025927	0.021433	-0.031246
184	0.033613	0.053424	-0.010751	0.010531	-0.001809	0.003677	-0.017255	-0.038774	0.026699	-0.029442	-0.024156	0.037485	0.001905	-0.008465
185	-0.029439	-0.014757	0.007403	-0.049607	-0.006685	0.014504	-0.039472	0.018597	-0.003607	0.005281	-0.028592	-0.015936	-0.036474	-0.085238
186	0.002115	0.026077	0.043222	-0.010523	-0.019499	0.010625	-0.003993	0.008859	-0.033018	-0.01738	0.003466	0.100451	-0.024399	0.019792
187	0.004308	0.038586	0.019268	0.03391	0.040167	0.019494	0.004105	-0.003159	-0.014604	-0.00614	0.002422	0.01646	0.002119	-0.00069
188	0.002237	0.020983	0.01437	0.01464	0.021166	0.025022	-0.011063	-0.022566	-0.000343	-0.010547	-0.00281	0.006584	-0.000673	-0.023882
189	0.005748	0.023592	-0.00617	0.028383	-0.021108	-0.011634	-0.040703	-0.068116	0.003055	0.019957	-0.002095	-0.043776	-0.006188	-0.013767
190	-0.004098	0.005405	-0.007733	0.011945	0.020376	0.012933	-0.002771	-0.006338	-0.032364	0.001262	0.003066	-0.00871	-0.011108	-0.019842
191	0.00254	-0.011221	0.014514	-0.039432	-0.002166	-0.013181	0.027152	0.008274	-0.015836	0.013818	0.023437	0.012232	0.006937	0.01712
192	0.015405	0.032925	-0.074236	0.030398	-0.041764	-0.028296	-0.007389	0.009759	-0.025795	0.008285	-0.020548	0.042265	-0.000306	0.049951
193	0.023284	0.019565	-0.024857	-0.018715	0.00024	0.031489	-0.006114	-0.007842	0.000536	-0.011246	0.025377	0.012598	0.011747	-0.006009
194	-0.018667	0.015238	0.019387	-0.031058	0.024329	-0.01146	-0.012757	-0.011746	0.025349	-0.002888	0.017464	-0.003735	-0.002175	0.030807
195	0.006099	-0.016443	0.032564	0.047903	0.010922	-0.031053	0.001538	-0.0561	-0.006391	0.037625	-0.007161	0.0228	0.001518	-0.014629
196	0.00003	-0.023813	0.012199	0.009363	0.01765	0.010502	-0.004496	-0.002554	-0.005438	-0.000457	0.009852	0.029231	-0.009851	-0.002145
197	0.006311	0.01125	-0.02343	-0.000448	-0.027798	-0.037156	-0.004379	-0.001101	-0.020172	-0.048859	-0.001413	0.018184	-0.004101	0.016882
198	0.009764	0.011561	0.007368	-0.01868	0.023244	-0.015919	0.024871	-0.032262	0.021648	0.029016	-0.002655	-0.003008	-0.011359	0.011926
199	0.01812	-0.003985	-0.035149	-0.04085	-0.049138	-0.02429	-0.014805	0.009678	-0.014947	-0.045358	-0.007609	-0.012781	-0.013	0.052766
200	0.01589	-0.014554	0.018709	0.009764	-0.000359	-0.012682	0.020647	-0.011191	-0.000149	0.1051	-0.00879	-0.022866	0.000195	-0.004464
201	-0.01179	0.056954	0.021783	-0.014489	-0.024684	-0.112083	-0.028329	0.002855	0.01104	-0.009548	-0.039667	-0.068978	-0.001825	0.075311
202	-0.015945	0.021297	0.020173	0.010728	0.025447	0.018432	0.018358	-0.010263	0.006766	-0.024807	0.030368	0.048525	0.006173	-0.016501
203	0.018866	-0.0004	-0.035302	-0.012306	0.030955	-0.066191	0.012407	-0.031228	0.001233	-0.012922	-0.033252	-0.009929	-0.005206	0.058775
204	-0.012575	-0.009672	-0.015043	0.038131	-0.011822	-0.002886	0.016548	-0.003043	-0.01092	-0.056604	-0.044754	0.003813	0.010983	0.00794
205	0.017582	0.04082	0.050332	0.043308	0.070002	0.000739	-0.043308	0.021694	0.017949	0.065036	0.022603	-0.0101	0.017253	0.05925

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
206	0.028383	0.027554	-0.0096	0.017155	0.027355	-0.010483	0.007521	0.029414	-0.039382	-0.018894	-0.00937	-0.02038	0.008292	0.026273
207	0.04901	-0.023163	0.002157	0.012414	-0.028694	-0.015109	0.010696	0.002816	-0.021853	0.054363	0.00222	0.03428	0.029764	-0.025234
208	-0.018442	-0.020917	-0.013853	0.017663	-0.004997	-0.058827	0.009036	0.008774	-0.030733	-0.036456	-0.037093	-0.037456	0.00707	0.060754
209	0.005118	0.021958	-0.011731	-0.058693	0.00898	-0.015979	-0.009714	0.042725	0.019231	-0.012864	-0.022843	0.054127	-0.009378	0.014503
210	0.017077	-0.036395	-0.076476	0.040655	-0.012392	0.001857	0.014597	-0.037683	0.003962	-0.025607	0.015998	-0.055542	-0.011839	-0.023448
211	0.003046	0.01264	-0.031551	0.048483	0.00735	-0.009308	-0.005106	0.008994	0.04245	0.028042	-0.005513	-0.022519	-0.010257	-0.022263
212	0.019347	0.014945	0.027423	-0.018355	-0.036827	0.01894	-0.001174	-0.01815	-0.022863	-0.018243	-0.068108	0.001152	-0.017135	0.009064
213	0.006411	0.012361	0.057266	0.00875	0.015687	-0.001876	-0.018644	-0.023406	0.0001	0.066975	0.040802	-0.013408	-0.012814	0.005179
214	-0.00075	0.015479	-0.003651	0.014037	-0.018809	-0.008267	-0.009015	0.012504	0.016389	0.039889	-0.007627	-0.013193	0.00351	-0.002066
215	0.02421	-0.020924	0.029705	-0.010065	-0.026836	-0.007734	-0.0069	0.017631	0.014946	-0.008135	0.01361	-0.055453	-0.002793	0.030121
216	-0.012977	-0.012035	0.028001	-0.024948	0.008892	0.030888	0.039307	0.00602	0.015824	-0.026757	0.035886	0.009131	-0.009621	0.036811
217	-0.007925	0.000393	0.024221	-0.025298	0.016192	0.03391	0.004558	0.035814	-0.02193	-0.011992	0.019702	0.032264	0.001034	-0.002072
218	-0.004725	-0.012319	-0.011994	0.004839	-0.007594	0.003686	-0.027924	0.02462	0.000671	-0.050147	-0.00063	0.017896	-0.013622	0.034461
219	0.003235	-0.010203	0.027081	-0.020148	-0.004986	-0.024826	0.00321	0.015891	-0.011536	-0.006491	-0.002205	0.021915	-0.010593	0.006887
220	0.006233	0.008478	-0.01225	-0.050413	0.010017	-0.040389	-0.021246	0.033123	-0.01975	0.006617	-0.000643	0.015862	0.025586	-0.007021
221	-0.014438	-0.014326	0.020557	0.02624	0.036614	0.017762	-0.002312	0.00402	0.004664	-0.021318	-0.003706	0.011089	-0.001199	-0.046267
222	-0.005917	-0.017802	0.002714	0.037372	0.001695	-0.017958	0.006937	0.01176	-0.01579	-0.002778	-0.026222	0.007028	-0.006649	-0.010407
223	-0.021926	-0.015161	0.00386	0.002548	0.006411	0.021048	0.012872	0.03365	-0.000343	0.028151	0.000266	-0.005606	0.01423	0.007218
224	-0.021157	-0.033303	-0.012634	-0.0052	-0.028792	-0.010603	0.002339	0.022942	-0.001136	0.029646	0.004477	-0.000829	-0.006471	0.046219
225	-0.02257	-0.021189	0.004349	-0.009252	-0.020572	0.003925	0.006466	0.032733	-0.003723	0.02575	-0.009951	-0.011192	-0.006073	0.034439
226	-0.005623	-0.000156	0.009191	0.023044	-0.006151	-0.027675	-0.029063	-0.026494	0.00051	0.019928	-0.006557	0.009711	-0.023106	-0.013022
227	0.009341	0.004861	-0.02048	-0.004913	0.000052	-0.025805	-0.020957	-0.033097	0.008394	0.024974	0.000111	-0.009194	-0.006321	0.005982
228	-0.009711	0.003548	-0.040719	-0.013618	0.009906	-0.039607	-0.063949	0.004789	-0.022897	-0.050862	-0.004165	0.030301	-0.006761	0.063017
229	0.015676	0.048206	0.021961	0.036536	0.008129	0.025596	0.000748	0.028855	-0.001943	-0.01317	0.007298	-0.04567	0.008484	0.029376
230	0.011655	0.005787	-0.002668	-0.007583	0.011539	0.030193	0.011542	-0.025052	0.014329	-0.016847	0.012708	-0.028598	0.030565	0.01442
231	-0.00238	0.043022	0.026091	-0.040167	-0.006513	0.03253	0.001907	-0.018202	0.009626	0.022122	0.002634	0.017832	0.022025	-0.018366
232	-0.012125	0.024927	0.032052	0.006253	0.003738	-0.041142	0.019488	0.017321	-0.024048	-0.047359	-0.006828	-0.049962	0.007412	-0.028553
233	0.016079	0.029201	-0.001753	0.005589	0.013492	0.000229	0.016493	-0.021371	0.006108	-0.000869	0.001855	-0.018762	-0.003078	-0.000171
234	0.001861	-0.013666	-0.011181	-0.007577	-0.023214	0.000064	-0.001576	0.035315	0.012929	0.025501	0.03691	0.009386	0.013124	0.022047
235	-0.000466	-0.028649	0.00087	-0.009913	-0.022557	0.010606	0.016358	0.021828	-0.00914	0.04493	-0.002791	0.00124	0.009127	-0.015095
236	0.006084	0.01874	-0.009443	-0.016805	0.015947	0.006753	0.006598	-0.028697	-0.003935	-0.000208	-0.010485	-0.01008	0.008035	0.012514
237	-0.006142	0.030935	-0.004404	0.018583	-0.023679	0.042612	0.012652	0.021214	0.005344	-0.016514	-0.011068	0.003768	-0.003687	0.033776
238	0.001068	0.001663	0.012885	-0.005624	-0.01158	-0.003088	0.011351	-0.001573	-0.014735	0.004027	-0.004734	0.026282	0.003509	0.01158
239	0.012932	-0.009407	0.019222	-0.01031	0.019185	-0.026407	0.018396	-0.006825	-0.005545	0.008814	-0.005945	0.018101	0.003958	0.001247
240	0.004733	-0.006445	0.005412	0.008433	0.004829	0.019702	0.018481	-0.042398	0.011018	0.00985	0.033631	-0.010971	-0.005872	-0.029913
241	0.006493	-0.015923	-0.054587	0.035388	-0.000637	0.027423	0.026712	-0.051716	0.002693	0.016815	0.00687	-0.0078	-0.011032	-0.013631
242	0.006002	0.010805	-0.012098	0.000258	-0.008722	0.001264	-0.020858	0.004166	-0.021856	0.017206	-0.005098	0.002814	-0.006774	0.005688
243	0.001974	0.003916	0.008192	0.001464	-0.016383	0.02223	-0.013222	-0.028469	-0.004681	0.010674	-0.014987	0.015544	-0.019461	0.008284
244	0.003655	0.021177	0.017613	-0.006914	0.042289	-0.010252	0.005543	-0.000171	0.015812	0.002119	-0.000973	-0.028365	0.010245	-0.022647
245	0.0116	0.007853	-0.012445	-0.002407	0.009179	0.011344	0.006154	-0.048033	0.019669	-0.02432	-0.007602	-0.010199	0.010126	-0.005533
246	0.001559	-0.001575	-0.006895	0.017523	-0.009447	0.001912	-0.003541	0.017118	-0.014175	-0.007828	-0.001568	-0.015659	-0.00163	-0.006339

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
247	0.004114	-0.000134	0.005646	-0.006291	0.017013	0.015307	-0.00261	-0.012518	-0.002424	0.02984	-0.020514	0.007292	-0.007659	-0.00687
248	0.014099	0.01854	0.027007	-0.021404	-0.003805	-0.01152	-0.004057	-0.020989	-0.001509	0.014043	-0.019395	0.004118	0.018418	-0.032544
249	-0.004117	0.043432	0.022655	0.009814	-0.01712	-0.02294	-0.0038	-0.021544	0.009068	-0.057883	-0.010883	-0.016627	-0.005792	0.012844
250	0.001219	-0.006172	-0.009346	-0.005646	-0.02084	0.004426	0.023618	0.01187	0.010502	0.022914	0.034106	-0.028098	-0.008174	0.011359
251	0.00459	-0.025688	-0.021277	0.000282	-0.009402	0.008054	0.030366	-0.000388	-0.01728	-0.006234	0.000352	-0.025079	0.017564	-0.028382
252	0.008702	-0.016369	-0.04046	-0.019626	-0.001872	0.027065	-0.011436	-0.033789	0.004087	-0.050449	-0.014066	-0.028052	0.001264	-0.026261
253	-0.011427	0.005646	-0.004406	0.015479	0.006034	0.010933	0.005199	0.010873	0.011944	-0.018359	0.011184	0.023978	0.00715	-0.032831
254	-0.009529	-0.003369	0.011819	-0.0311	0.009233	-0.006753	0.010353	0.019192	-0.004318	0.036764	-0.001953	-0.009459	-0.002555	0.007994
255	0.002535	-0.016196	-0.002235	-0.038544	0.012682	0.014007	0.003161	-0.003266	0.000713	-0.008548	0.010453	-0.002325	0.00106	-0.021839
256	-0.00144	-0.019621	-0.016167	-0.026317	0.016474	0.03507	-0.016684	-0.027155	0.037842	-0.047688	0.013811	0.002099	-0.008312	-0.007535
257	-0.00204	-0.027967	-0.00975	-0.004958	-0.029751	-0.000886	0.01206	0.002032	0.000525	0.000738	-0.005525	0.010959	0.008808	-0.007715
258	-0.012306	-0.038456	-0.013455	0.015608	-0.000039	0.022402	-0.009055	-0.046225	-0.007012	0.037168	-0.007688	0.03203	-0.029431	-0.004111
259	0.006353	0.014784	0.007107	-0.000084	-0.024126	-0.017024	-0.007843	-0.003456	-0.005594	-0.005714	-0.021411	-0.018604	0.004333	0.025599
260	0.008841	0.02063	0.000386	-0.018533	0.03671	-0.010741	-0.005728	0.009579	0.019834	-0.007795	0.01699	-0.051047	0.030017	-0.002892
261	0.004433	0.003206	-0.006612	0.020579	0.024314	-0.01056	-0.022389	-0.022042	0.001467	-0.03697	0.017747	-0.019989	0.021018	-0.020991
262	-0.008352	0.001532	-0.022435	0.014394	0.015776	0.01169	0.001146	0.019865	0.005846	-0.025675	-0.00838	0.007437	-0.000716	0.012127
263	-0.01736	-0.015169	-0.014725	0.000053	-0.007557	0.00661	0.013933	0.000609	-0.006285	-0.045029	-0.01583	0.017878	0.004277	0.010557
264	0.009733	0.008252	0.011476	0.017967	-0.021088	-0.033977	0.01541	-0.009266	0.005802	0.015209	-0.016838	-0.025199	-0.012202	0.013693
265	0.016444	-0.008577	0.01912	-0.019551	0.007207	-0.063211	0.00822	-0.017052	0.022282	0.047141	0.009267	-0.019674	-0.004308	0.013035
266	-0.00506	-0.00804	-0.000016	-0.010685	0.008163	-0.027622	-0.001221	-0.018539	0.038435	0.016281	0.017459	0.033118	-0.005919	0.009683
267	0.001399	0.0076	0.028296	0.001845	0.003525	0.007266	-0.00531	0.00321	-0.009066	0.041287	0.032178	-0.022298	-0.018623	-0.027065
268	-0.00718	-0.015889	-0.00185	0.013908	-0.007334	-0.019448	-0.009157	-0.021725	-0.000653	0.025867	-0.01124	-0.002279	-0.03159	-0.018192
269	-0.015188	0.001002	0.008065	0.016984	-0.013753	-0.012744	-0.025088	-0.00514	0.003208	0.029146	-0.005413	-0.013588	-0.019559	-0.029518
270	0.005223	-0.000786	-0.013302	-0.000758	-0.006619	-0.046418	-0.026958	-0.024024	0.003113	0.005128	0.008154	0.009531	-0.005382	-0.016375
271	0.036639	0.047684	-0.011894	0.015784	0.031449	-0.081794	0.025997	-0.015053	-0.020899	0.029671	0.001236	0.060373	-0.016914	-0.013343
272	0.026449	0.003379	-0.014323	0.033076	-0.00974	0.019852	-0.002731	-0.002261	-0.019613	0.05259	-0.00203	-0.016255	0.000714	-0.013436
273	0.026359	-0.003839	-0.028457	0.013553	-0.020278	-0.004828	-0.0044	-0.016077	-0.008226	-0.00064	-0.008357	-0.00294	0.018528	-0.016372
274	0.024808	0.002002	-0.023886	0.012724	-0.016091	-0.004912	-0.002821	-0.007294	-0.012464	0.002186	-0.002606	0.001053	0.021482	-0.012384
275	0.031112	-0.011454	-0.01447	-0.009246	0.021242	-0.019169	-0.009025	-0.050843	0.005111	0.007513	0.024401	-0.015447	0.027791	-0.001934
276	-0.000519	0.020306	-0.012387	0.000696	0.007761	-0.006452	0.000848	0.005472	0.003006	0.011168	-0.006602	-0.030988	-0.008204	0.011473
277	-0.008685	-0.022065	0.001406	0.0234	0.021394	0.027542	0.020155	0.018751	0.005743	-0.029055	0.00915	0.010358	0.017492	0.007556
278	-0.008441	-0.003501	0.005736	-0.000209	0.01247	0.005703	-0.0028	0.033851	0.013727	-0.032278	0.022619	-0.0049	0.026922	0.017312
279	0.011978	-0.009512	0.020044	-0.021809	0.014894	-0.059432	0.015987	0.010384	-0.004849	-0.001877	0.017229	0.011181	0.011149	-0.006359
280	-0.002787	0.012715	0.007423	-0.000347	-0.021247	0.033865	-0.009864	-0.025461	0.01176	0.024667	0.015233	0.019649	-0.020528	0.026867
281	0.005207	0.026503	0.008144	0.004355	-0.008051	-0.040414	-0.012123	-0.01485	0.001519	0.003955	-0.004713	-0.023221	0.004391	0.040824
282	-0.005465	0.004193	-0.006315	-0.012041	0.001071	-0.008759	-0.016278	0.005989	-0.001049	0.013516	-0.009728	-0.033579	-0.005572	0.00344
283	-0.00058	0.028851	0.015322	0.000971	0.032938	-0.006373	-0.003211	0.001432	0.009017	0.033476	0.003512	-0.000389	0.006477	-0.004913
284	0.001018	-0.011043	-0.006421	-0.014669	-0.02679	-0.027052	0.001272	0.00977	0.002066	0.003748	-0.001513	-0.004192	-0.000995	-0.004719
285	-0.006672	-0.004767	0.00457	-0.009731	-0.002892	-0.031481	0.006427	0.044171	-0.0066	-0.024876	-0.004341	-0.017485	0.01121	0.000216
286	-0.012342	0.010395	0.007297	-0.022085	-0.010726	-0.013744	-0.016695	-0.005572	0.008853	0.011888	-0.01913	-0.007623	-0.043049	0.041155
287	-0.026062	0.001732	-0.003379	0.002551	0.007959	0.021563	-0.022848	-0.026241	0.007362	0.002421	0.004959	0.004643	-0.036632	0.029774

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
288	0.001937	-0.001805	-0.016458	0.009976	0.035941	-0.015617	-0.019122	-0.010918	0.005985	0.006694	0.010234	0.045143	-0.026344	0.022815
289	0.008505	-0.006348	-0.018381	-0.008807	0.018073	-0.027021	0.017159	0.007275	0.007659	-0.021994	0.007532	0.014732	0.000771	0.020847
290	0.018805	-0.009396	-0.008201	0.0114	-0.011859	-0.014658	-0.012933	-0.008904	0.002915	-0.013483	0.014745	0.033252	-0.006012	0.013792
291	0.016474	-0.011479	-0.004387	0.013823	-0.011235	-0.017528	-0.015164	-0.006227	0.004485	-0.013752	0.0142	0.025946	-0.012709	0.014303
292	0.000155	-0.021666	-0.0124	0.047353	-0.024455	0.007843	0.004168	0.00499	-0.008972	0.003507	0.01268	0.033386	-0.019089	0.002913
293	0.015596	-0.00561	0.033209	-0.03902	0.040034	0.00072	-0.004922	0.002227	0.028318	-0.006904	0.045708	0.024371	-0.038279	0.031346
294	0.017518	0.004481	-0.016979	-0.004502	0.008604	-0.036035	-0.02288	-0.026943	0.003109	-0.014463	-0.007192	0.012547	-0.032519	0.006248
295	0.017332	0.038656	-0.022732	-0.00189	-0.008768	0.004102	-0.003237	0.012346	-0.002853	-0.02237	-0.010422	0.036822	-0.000942	0.007257
296	-0.008831	-0.023716	-0.04064	0.018189	0.027135	-0.030238	-0.045043	-0.004175	-0.03895	-0.071556	-0.008808	0.045705	0.000469	0.003198
297	-0.009774	0.014028	-0.0472	0.014278	-0.012097	0.021893	-0.012463	0.029466	0.009703	-0.017307	0.001534	0.024099	-0.003857	0.016949
298	-0.015377	-0.036876	-0.024556	-0.052292	-0.073161	-0.001079	-0.013988	0.028244	-0.000649	-0.024608	-0.000059	-0.046956	-0.001125	-0.015167
299	-0.013821	-0.003146	-0.059506	0.012439	0.01381	-0.009021	0.007419	-0.007511	-0.022787	0.024995	-0.030698	0.008618	-0.009233	-0.000706
300	-0.002891	0.016001	-0.01779	-0.021478	0.012799	0.03143	0.029918	0.049661	0.029003	0.017946	0.023492	0.009631	0.012279	-0.023207
301	0.002504	0.006139	-0.023737	-0.011488	-0.009855	-0.023961	-0.005065	0.006779	-0.006191	-0.002958	-0.022333	-0.012905	0.006225	-0.015421
302	-0.008714	-0.033028	-0.038481	0.004867	0.005961	-0.054224	-0.007472	-0.005353	-0.03521	-0.00792	-0.029302	-0.003588	-0.000259	-0.010493
303	-0.033653	0.008029	-0.043084	0.038574	0.02149	-0.003604	-0.031504	-0.016865	-0.023976	0.040724	-0.045254	-0.073611	-0.038194	-0.033357
304	-0.023237	-0.021242	-0.042423	0.002286	0.022162	-0.00587	-0.01634	0.008423	-0.040516	0.013032	-0.036452	-0.031372	-0.012351	-0.04421
305	0.011341	0.024073	0.043965	-0.011875	0.022395	0.002076	0.04282	0.004981	-0.025799	-0.10737	-0.005244	-0.006867	-0.014916	0.033551
306	-0.002543	-0.058819	-0.03982	0.035162	-0.005179	-0.00907	0.002283	-0.014618	-0.028398	-0.004419	0.016936	0.00236	-0.003425	0.002794
307	-0.025088	-0.006296	-0.082502	0.024468	-0.025346	0.020612	0.003519	-0.0263	-0.008959	0.003855	0.041789	0.098393	-0.033104	-0.024243
308	-0.029586	-0.048961	-0.027678	0.013221	0.029606	0.004035	0.012041	0.045066	-0.049284	-0.035093	0.024566	0.027416	0.013849	0.00513
309	-0.055129	-0.026534	0.000323	-0.018179	0.0069	0.014234	-0.051598	-0.014848	-0.036867	-0.008944	-0.010269	0.012187	-0.03575	-0.006156
310	-0.026567	-0.024427	0.007478	-0.018712	0.022859	-0.059866	-0.028149	-0.000116	-0.055874	0.015268	-0.009927	-0.034541	-0.01024	0.005133
311	-0.008534	-0.00233	0.002646	0.003369	-0.015132	0.010478	-0.023184	-0.048356	-0.00077	-0.018001	-0.032936	-0.030013	-0.035292	-0.053609
312	-0.005549	-0.028672	-0.010638	-0.049903	-0.076855	0.025698	0.003514	-0.032011	0.001022	-0.022365	-0.038639	0.042025	-0.036048	-0.006198
313	-0.037583	-0.033555	-0.033885	0.02935	-0.041824	0.012659	-0.037744	-0.035187	-0.008876	0.022009	-0.038338	-0.002603	-0.020821	-0.010999
314	-0.015838	0.016347	-0.046384	-0.034128	-0.075138	0.003495	-0.012299	-0.005685	0.021381	-0.000356	-0.022454	0.010886	-0.017523	0.047376
315	-0.071969	-0.023317	-0.030288	0.024519	0.007736	0.033237	-0.039207	-0.021664	-0.027804	0.001342	-0.017435	0.024941	-0.049992	0.015272
316	-0.029528	-0.052988	0.020611	-0.052022	0.020761	-0.045637	-0.039042	0.009871	-0.001702	-0.054978	0.003768	-0.009012	-0.008066	-0.032912
317	-0.051043	-0.021332	0.025927	-0.037385	0.009703	0.021446	-0.045196	-0.021971	-0.013075	0.007338	-0.001681	-0.015525	-0.006438	-0.007469
318	-0.051482	-0.017322	-0.011011	-0.024117	0.016034	0.006353	-0.002354	0.014329	-0.037555	0.056295	-0.019791	0.026179	0.003036	-0.00055
319	0.897542	-0.048816	0.000772	0.03797	0.014693	0.053212	-0.034294	-0.005159	-0.022278	0.013307	-0.012729	-0.008441	-0.045498	-0.018249
320	-0.030185	0.820053	-0.029406	-0.007795	0.006061	0.025426	0.016694	-0.010045	-0.039843	-0.002146	0.000858	0.023805	-0.026216	-0.047456
321	-0.007427	-0.018694	0.798675	0.035169	-0.048353	-0.000347	-0.03348	-0.01005	-0.028529	-0.027342	-0.037085	0.019356	-0.01898	0.027799
322	0.040008	0.005014	0.02797	0.575622	-0.054652	-0.012492	0.020806	0.045553	-0.004066	-0.064286	-0.000472	-0.060463	0.0086	-0.008103
323	-0.002183	-0.010706	-0.059933	-0.039543	0.739536	0.033637	0.027775	0.013563	-0.018828	-0.032332	-0.08051	-0.029552	-0.032119	0.044442
324	0.045719	0.016686	0.012683	-0.078281	0.017064	0.603359	-0.053327	-0.014281	0.013799	-0.022261	0.03097	-0.01804	0.000578	-0.018928
325	-0.035065	0.01203	-0.019989	-0.00437	0.019342	-0.052189	0.835358	-0.056206	-0.006522	0.01788	-0.014095	-0.019687	-0.051925	0.015754
326	0.003473	0.001065	0.000697	0.045493	0.014704	-0.009521	-0.045921	0.753327	-0.01328	0.014187	-0.051786	-0.023162	-0.04357	-0.075633
327	-0.032194	-0.035254	-0.020367	0.017718	-0.005304	-0.011152	-0.008778	-0.002697	0.902801	-0.00028	-0.047677	0.008608	-0.029348	-0.017713
328	0.006418	-0.000307	-0.019293	-0.065266	-0.067696	0.000254	0.026747	0.031335	-0.004457	0.458536	-0.029217	-0.039711	0.001385	-0.011378

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
329	-0.027722	0.007008	-0.030626	0.024681	-0.066327	0.004361	-0.009555	-0.051268	-0.048801	0.007825	0.847177	-0.026436	-0.044724	-0.015259
330	-0.006175	-0.004148	-0.0196	-0.017895	-0.018919	-0.026291	-0.039462	-0.045382	0.005505	-0.077728	-0.005091	0.481786	0.013308	-0.171973
331	-0.034309	-0.021017	-0.022293	0.018623	-0.032791	-0.005899	-0.043383	-0.044192	-0.030834	0.010671	-0.036316	0.03015	0.89269	0.010512
332	-0.009515	-0.059355	-0.001755	-0.028115	0.043731	-0.010234	-0.004099	-0.099875	-0.018091	-0.057055	-0.00431	-0.219978	-0.000723	0.546751
333	-0.034198	0.004467	0.004242	-0.017215	-0.017627	-0.045913	-0.10313	-0.0425	-0.014329	-0.00057	-0.021987	0.014448	-0.059833	0.00529
334	-0.006898	0.011592	-0.000105	-0.040301	0.005136	0.008812	-0.099801	-0.034668	0.017702	0.012298	-0.061854	-0.009607	-0.031029	0.014616
335	-0.045185	-0.023591	-0.007713	0.02241	-0.019442	-0.024805	-0.056443	-0.037709	-0.040007	0.021201	-0.031675	-0.002189	-0.050869	-0.006523
336	0.005466	0.040414	-0.015306	-0.061498	-0.012834	0.062537	-0.023069	-0.033517	-0.014812	0.006601	-0.018189	0.024817	-0.040397	0.051874
337	-0.006037	0.00069	0.00119	-0.030471	-0.00009	-0.047467	0.007027	-0.004116	-0.014309	-0.007961	-0.008761	-0.001139	0.00273	-0.020976
338	0.009473	-0.00995	-0.001569	-0.074276	-0.052218	-0.020244	0.002311	0.01234	-0.037621	-0.038061	-0.035399	-0.024527	-0.0068	-0.042362
339	-0.019996	-0.020496	-0.006771	-0.007321	-0.052138	0.052582	-0.018974	-0.04267	-0.030338	-0.038262	-0.051549	0.010934	-0.049902	-0.007367
340	-0.014848	0.020241	-0.017773	0.018899	0.033565	0.037034	-0.044515	-0.00936	-0.010229	0.081108	-0.009588	-0.071901	-0.006101	-0.069568

	LV	LW	LX	LY	LZ	MA	MB	MC
1	-0.009882	0.060475	-0.036914	0.05097	0.033586	-0.019875	-0.134637	0.044609
2	0.005358	0.092997	-0.01018	-0.011966	-0.033643	0.049716	0.005788	0.137525
3	-0.130021	-0.116156	-0.067848	-0.007242	-0.089861	0.035996	-0.013815	-0.176878
4	0.007573	-0.083026	0.039613	0.093886	0.016521	0.016362	0.054071	-0.068765
5	-0.024388	-0.038988	-0.019864	0.029372	0.034478	0.108416	-0.018188	0.169976
6	0.043879	-0.014521	0.000906	0.003825	0.0995	0.066994	0.037579	-0.077458
7	0.078865	0.018292	0.090317	0.129407	0.024989	0.055189	-0.057464	-0.094437
8	-0.011415	0.007715	0.024504	0.030802	0.001538	-0.11172	-0.014674	-0.079279
9	0.057385	-0.014388	0.019605	-0.038296	-0.088348	-0.001822	-0.114895	0.011119
10	-0.080422	-0.04965	-0.016895	-0.042975	-0.033543	-0.086651	0.096568	0.08227
11	0.017059	-0.032009	0.030212	-0.02969	0.050764	0.163373	-0.032985	-0.055541
12	-0.059983	-0.130021	-0.048195	-0.046791	-0.018816	0.152153	0.025703	0.014363
13	0.032998	-0.000148	0.025338	0.07379	-0.089859	0.098852	0.012591	0.00902
14	0.020039	-0.045683	-0.066512	0.059587	0.075144	0.028717	0.060126	-0.032701
15	-0.016671	0.031067	-0.035314	-0.034271	-0.052252	-0.013058	-0.028232	-0.088878
16	0.025782	0.036172	-0.005439	0.019242	-0.010396	0.011666	0.028182	-0.093942
17	-0.052576	-0.0526	-0.081507	-0.006257	-0.007678	-0.032289	-0.072732	0.120719
18	-0.0518	-0.081642	-0.030652	0.018345	-0.054117	-0.021891	0.063261	0.08809
19	0.016193	0.011187	-0.009396	-0.012658	-0.005018	-0.051003	0.008789	-0.028595
20	-0.019524	0.060731	-0.026498	0.009274	-0.093354	0.043832	-0.010433	-0.039706
21	0.005887	-0.030135	0.010292	-0.018775	-0.010461	-0.011746	0.106481	-0.056284
22	-0.017588	-0.184237	-0.019525	-0.046238	0.017478	-0.118726	-0.019734	-0.122034
23	0.032255	0.089349	0.024822	0.007495	-0.015916	-0.089784	-0.024411	0.09209
24	0.039993	0.052699	0.000851	0.030407	0.00446	0.09975	-0.025631	0.237196
25	0.039511	0.017696	0.035336	-0.05537	-0.034885	-0.108684	0.052385	-0.09595
26	0.002653	-0.0508	-0.043809	0.06315	-0.024564	-0.003466	-0.02122	-0.087743
27	0.029581	0.033431	0.002536	0.001088	-0.008001	-0.02628	0.01771	-0.053578
28	-0.045335	0.013654	-0.052597	-0.033412	-0.02157	0.019965	0.032946	-0.101348
29	0.001445	0.01956	0.009972	-0.022254	0.036355	0.032501	0.007011	-0.03201
30	0.017754	-0.035623	0.009665	-0.050125	-0.038497	-0.003384	-0.091303	-0.096902
31	-0.000988	0.010565	-0.019844	0.004201	0.117996	-0.006144	0.035984	-0.091472
32	0.011249	0.035747	0.038246	-0.06681	0.007822	-0.027912	-0.081524	0.021649
33	0.043952	-0.005065	0.028099	-0.014409	-0.077817	-0.07931	0.072309	-0.160553
34	-0.041116	0.131869	-0.017837	-0.107537	0.024791	0.044365	0.047015	-0.0162
35	0.019906	-0.029535	-0.004971	-0.013597	0.014508	0.10981	0.004285	0.071752
36	-0.065601	-0.086514	0.042024	-0.085032	0.006038	-0.027641	-0.025906	-0.002262
37	0.011709	0.079889	0.005407	-0.029981	-0.003597	-0.085811	0.012986	0.158557
38	0.005185	0.054755	-0.058291	0.082487	0.037461	-0.006064	0.048421	-0.028126
39	0.003291	0.10733	0.019127	0.050137	0.020729	0.049462	0.146949	-0.039828
40	-0.070623	-0.027438	-0.015528	0.123675	0.039956	0.056963	-0.063679	-0.050144
41	0.042012	-0.04979	0.061565	-0.048349	-0.005664	-0.045901	-0.01186	0.038586

	LV	LW	LX	LY	LZ	MA	MB	MC
42	0.005577	-0.011587	0.002809	0.012035	-0.028963	0.006678	-0.033793	0.009745
43	0.076305	0.176734	0.071593	-0.054074	-0.06834	-0.015242	-0.027944	0.006286
44	-0.068288	-0.144196	-0.0247	0.024986	-0.037379	0.008283	-0.08409	0.077735
45	-0.035641	-0.04594	-0.023683	-0.081381	0.009012	0.075841	-0.016691	0.006023
46	-0.035236	0.099454	0.024815	-0.035734	0.012946	-0.050624	0.013281	-0.071754
47	-0.030134	0.030381	-0.005697	-0.03635	-0.008932	-0.019668	-0.033489	-0.051098
48	0.013769	0.01512	-0.026312	0.088839	-0.081983	-0.088335	-0.00881	0.0146
49	-0.010869	0.046993	-0.064542	-0.022791	-0.00653	-0.081849	0.060567	0.047957
50	-0.001475	0.064641	-0.012982	-0.061126	-0.057654	-0.006818	-0.078876	-0.106121
51	-0.089667	-0.085033	-0.047268	-0.053764	-0.024566	-0.049988	-0.017405	-0.047299
52	0.001268	-0.213366	0.044884	-0.018189	0.059779	-0.101564	-0.031362	0.0138
53	-0.010487	-0.033952	0.012509	-0.092285	0.062085	0.026808	0.012324	0.110985
54	-0.02719	0.019169	-0.011485	-0.086513	0.048949	0.098908	0.044716	0.054964
55	0.022204	-0.066627	0.062995	0.069568	0.067433	0.072449	0.072987	0.013449
56	0.014437	0.157061	-0.003056	-0.032298	0.056394	0.004827	-0.057531	0.005716
57	0.015932	0.088606	0.002083	0.003173	0.030312	0.012363	0.092316	-0.019691
58	0.018195	0.081017	-0.059538	-0.054557	0.074106	-0.038287	0.003244	-0.151524
59	0.03364	0.00383	-0.032659	0.057601	-0.02294	-0.010953	-0.038166	0.138931
60	-0.0366	0.144701	-0.047732	-0.023552	0.006405	0.106602	0.03098	0.010187
61	0.051061	-0.086829	0.079869	0.036975	0.05297	0.012539	0.011921	-0.027055
62	-0.004393	-0.05439	0.000047	-0.069203	-0.025366	0.031412	0.022341	-0.103384
63	0.016028	-0.068297	0.019997	0.054085	-0.016191	-0.05862	-0.087041	-0.00544
64	0.025276	-0.136198	0.01143	0.077008	-0.073757	-0.106526	0.013697	-0.14904
65	0.007597	-0.041292	0.053685	-0.042632	-0.006109	-0.045766	-0.119073	-0.061061
66	-0.072017	-0.000468	-0.041027	-0.002677	0.004256	0.233334	0.095589	-0.043678
67	0.005163	0.050805	-0.060923	-0.062487	0.002071	-0.018636	-0.012355	0.106858
68	-0.062687	-0.005832	-0.063215	-0.046641	0.00535	-0.009789	-0.006834	-0.038989
69	-0.019544	0.095872	-0.018684	-0.082028	0.012479	-0.036327	0.039329	-0.041784
70	0.015728	0.002707	0.044483	-0.05476	0.141592	-0.064177	-0.127095	0.003543
71	0.075315	0.09024	0.030631	-0.050637	-0.039856	-0.091271	0.098705	0.071872
72	-0.035681	-0.049507	0.00227	-0.03085	-0.090808	0.225472	-0.030252	-0.040512
73	0.002791	-0.033057	-0.011158	-0.035235	-0.01034	-0.046084	-0.036713	-0.014214
74	-0.020214	0.001391	-0.022986	-0.031773	-0.030533	-0.002961	-0.106015	-0.031193
75	-0.049605	-0.103639	0.047631	0.05437	-0.059551	0.021714	0.030065	0.033121
76	0.001619	-0.001259	-0.000829	0.132441	-0.04173	0.037153	0.014865	0.003607
77	0.078654	-0.066436	0.013388	-0.019969	-0.082162	0.037938	-0.062259	-0.072247
78	-0.024013	-0.08259	0.033396	-0.012762	0.030265	-0.024921	0.028831	0.062725
79	-0.099711	0.087781	-0.057895	-0.058519	0.053427	0.002995	-0.021965	0.02474
80	-0.080414	-0.028231	-0.051391	0.007672	0.058227	-0.011954	0.082223	-0.060235
81	0.013781	-0.043148	-0.061561	-0.008632	-0.026057	0.004149	0.05752	0.015606
82	-0.015488	-0.054449	0.02106	-0.050435	-0.00644	-0.028127	-0.005361	0.020557

	LV	LW	LX	LY	LZ	MA	MB	MC
83	-0.061717	-0.039934	-0.040279	-0.099301	0.062307	-0.105365	-0.035538	0.002848
84	-0.002017	0.072421	0.01642	0.053739	0.022619	-0.011993	0.028789	-0.014121
85	0.024829	-0.068096	-0.00972	0.028448	0.051326	-0.06009	0.099309	0.010354
86	-0.009708	0.070793	0.019108	0.050939	0.018111	0.052815	-0.00019	-0.010044
87	0.00707	-0.051255	0.020075	0.037742	0.035708	0.036831	-0.154107	-0.069362
88	0.00924	0.031499	-0.029327	0.07193	0.034112	0.014769	0.035857	-0.032254
89	-0.004328	-0.104888	0.026188	-0.039211	-0.021828	0.044552	0.027225	-0.037214
90	0.018216	-0.076864	0.014798	0.0408	0.014198	-0.029979	0.031449	0.110644
91	-0.03528	-0.062713	0.074362	-0.032462	0.002848	0.132801	-0.076458	0.162048
92	0.020592	0.082702	-0.058026	0.014245	-0.053555	-0.006604	-0.025222	0.012328
93	0.009993	0.052358	-0.020287	0.123331	-0.081907	0.048148	-0.062784	0.059019
94	-0.017642	0.007014	0.010539	0.049502	-0.045122	0.012507	0.014974	-0.000606
95	0.019733	0.033839	0.022011	-0.028123	-0.011286	0.003573	0.014068	-0.031592
96	0.048015	-0.052817	0.021521	-0.032703	0.015043	-0.047212	0.045458	-0.021534
97	0.031614	0.012495	-0.046936	0.11309	0.052126	0.005376	0.035472	0.03534
98	0.067833	0.020637	0.042448	-0.145243	-0.044957	0.196762	-0.000047	0.030737
99	0.029271	0.044727	0.057568	-0.056039	0.011596	0.06442	0.065475	-0.049263
100	-0.003586	-0.006644	0.009211	0.0202	0.023749	0.0273	0.028202	-0.012293
101	0.008669	-0.000384	-0.004974	-0.016615	0.015913	0.003709	0.005666	-0.031142
102	0.002318	0.006979	-0.000031	0.026213	0.007122	0.018801	0.002063	0.009933
103	-0.019854	0.00569	-0.009218	0.035683	0.035861	-0.004602	0.022681	0.049379
104	0.020812	-0.039197	0.036023	-0.000864	-0.02888	-0.014574	0.03341	0.00491
105	-0.001814	-0.002477	-0.022349	0.005011	-0.024342	-0.024003	0.02837	0.027863
106	0.029899	-0.028639	0.012724	-0.006144	-0.016411	0.003781	-0.005059	0.006689
107	0.002129	-0.037555	0.02128	-0.026784	-0.017582	-0.030183	-0.05583	0.001281
108	-0.005802	0.022827	-0.018426	0.045814	0.052963	-0.015033	0.017699	-0.030001
109	0.032856	-0.090067	0.012465	0.024689	0.014411	-0.018959	-0.045995	0.078512
110	-0.01569	0.005456	-0.041202	-0.000013	0.04991	0.011395	0.013076	-0.013882
111	0.002892	0.041665	0.05043	0.051026	0.012943	-0.01906	-0.011458	0.052957
112	0.001981	-0.012854	-0.010843	0.021066	0.002856	-0.005467	-0.01131	-0.000639
113	0.0044	-0.007479	0.023008	-0.022417	0.009918	0.029055	0.059662	-0.013998
114	0.017679	0.05516	0.013548	-0.011306	-0.040632	0.029454	-0.020558	0.021103
115	-0.034915	-0.034395	-0.02642	0.011551	-0.022233	-0.029266	0.041369	-0.094354
116	0.032964	0.080627	-0.017014	0.044886	-0.085338	-0.014997	0.006429	0.013836
117	-0.016243	-0.005028	0.003111	0.048042	-0.019589	-0.017929	-0.018919	-0.000055
118	0.007685	0.017396	0.025668	-0.021334	0.011659	0.031592	0.063298	-0.013799
119	-0.02206	-0.017742	-0.004974	0.04114	0.019907	0.020707	-0.035967	-0.041322
120	-0.024367	-0.008322	-0.017927	0.03837	-0.018426	0.016673	-0.040744	-0.011467
121	-0.029867	-0.026527	-0.003706	0.053691	-0.014493	0.006586	-0.092425	0.013929
122	0.010477	-0.039977	0.025149	-0.008676	0.012803	-0.037525	0.005936	0.023501
123	-0.014241	-0.007736	0.001654	-0.01658	0.005377	-0.032725	-0.048268	-0.005734

	LV	LW	LX	LY	LZ	MA	MB	MC
124	0.00853	-0.00458	0.006331	-0.015926	0.022111	0.037732	0.026454	-0.011766
125	0.00401	0.060547	-0.000988	-0.056051	-0.009162	0.026252	0.004175	0.027069
126	0.013047	0.021147	0.013372	-0.020001	0.011109	-0.014711	0.006071	-0.014335
127	0.008023	0.005567	0.004346	0.009113	-0.000033	-0.015094	-0.000233	-0.002817
128	0.023181	0.024836	0.025756	-0.002493	0.00421	0.010726	0.036634	-0.023473
129	0.004267	0.004984	0.041134	-0.018897	0.027231	0.002438	-0.046706	-0.06275
130	0.005922	-0.059055	0.009231	-0.031483	-0.025791	-0.01901	0.002551	-0.028387
131	-0.013899	0.01186	0.000715	-0.022609	-0.014367	0.012452	0.027291	0.033339
132	0.008266	-0.023636	0.000066	0.01632	-0.02189	0.05665	-0.055276	0.032805
133	0.019842	-0.014312	-0.012302	0.077284	0.019379	-0.035369	-0.020819	-0.040648
134	0.022218	-0.001505	0.013884	0.029361	0.018183	-0.112044	0.008827	0.101699
135	0.001051	-0.035027	-0.021584	0.013788	0.010753	0.01229	0.036982	0.025554
136	0.034021	0.000479	0.010362	0.014221	0.028533	0.046143	0.041489	-0.015546
137	-0.013896	0.040464	0.007239	-0.055031	0.012165	-0.033324	0.044646	0.002733
138	-0.02662	-0.007835	-0.014488	0.029198	-0.032956	0.033047	-0.000591	-0.00042
139	0.016007	-0.013171	-0.014598	0.006268	0.066318	0.045612	0.012542	0.036832
140	-0.000278	0.02338	0.033211	-0.033342	0.02942	0.050948	0.045502	0.014734
141	-0.036318	0.012686	-0.028355	-0.071723	-0.010633	-0.009336	-0.000362	-0.00642
142	0.011403	0.007273	-0.005642	0.017175	-0.046313	-0.036921	-0.006968	-0.001165
143	0.007471	-0.040647	-0.006768	0.002557	-0.001656	0.003608	-0.035906	-0.017371
144	-0.035089	0.010817	-0.037784	-0.007354	0.021387	-0.001062	-0.02176	-0.003198
145	0.019813	-0.001003	-0.002726	0.022636	0.033348	0.037728	-0.026861	0.017314
146	0.015766	0.047562	-0.029091	0.029468	0.018019	-0.021073	0.035159	-0.012421
147	0.034893	-0.041976	0.027318	-0.007708	0.014135	-0.012318	-0.019371	-0.035778
148	0.005143	0.062904	-0.016322	-0.044892	0.03728	-0.037204	0.0639	-0.068108
149	-0.006231	0.029694	0.005356	-0.041541	0.003809	-0.016669	0.045407	0.026249
150	-0.009783	0.006195	-0.005878	-0.02308	-0.031674	-0.025303	0.013617	-0.031276
151	-0.003764	-0.015287	-0.008824	-0.023675	-0.011341	0.060436	-0.013473	-0.028054
152	-0.0172	-0.000163	0.003748	-0.012097	0.000857	0.063916	-0.00008	0.048453
153	-0.023021	0.016451	-0.058631	-0.006343	0.006083	0.015035	0.000433	0.017074
154	0.008138	-0.014796	-0.009228	0.017003	-0.03847	0.01022	0.002523	0.020501
155	-0.006153	0.076178	-0.005872	-0.011004	-0.013706	-0.016432	-0.017471	0.031778
156	0.004935	0.038392	-0.000571	0.022851	-0.05135	-0.031213	-0.021949	-0.011595
157	-0.010243	0.029944	0.029688	-0.005354	-0.013167	0.036295	0.014989	-0.035068
158	-0.031611	0.002987	0.005007	-0.024477	-0.032827	0.032197	0.023188	0.016537
159	-0.002909	-0.00514	-0.001628	-0.047017	0.025017	-0.053013	-0.07496	0.058132
160	0.018944	0.005552	0.006188	0.003338	0.015534	0.01524	0.012653	-0.087467
161	0.019463	0.041311	-0.017324	-0.032152	-0.053782	0.012346	-0.01471	0.019893
162	-0.018859	0.016051	0.009768	-0.001772	-0.009474	0.024356	-0.00097	0.016843
163	0.014132	-0.055969	0.03594	0.006685	-0.018106	-0.033143	0.00597	0.042399
164	0.027075	0.015554	0.000389	-0.049114	-0.001238	-0.002143	0.009691	-0.028513

	LV	LW	LX	LY	LZ	MA	MB	MC
165	-0.003077	-0.020609	0.005383	0.018174	-0.055679	-0.097316	-0.044701	-0.009814
166	-0.009561	0.011712	-0.017158	-0.012726	0.003816	0.008707	-0.05496	-0.048757
167	0.015316	-0.047945	0.005615	0.028959	0.031211	-0.023186	-0.01511	0.039018
168	0.039199	0.010306	0.035444	0.012544	-0.026008	0.021121	0.008627	-0.030875
169	0.013618	-0.012598	0.011561	0.000213	-0.014716	0.001179	-0.027277	0.022798
170	0.006868	-0.000779	0.007005	-0.023303	-0.053822	0.023655	-0.04033	0.031783
171	0.001439	0.007764	0.01451	-0.009891	-0.013835	-0.005208	-0.046158	0.041591
172	0.006137	-0.009641	0.005126	0.013099	0.019843	0.03358	0.016757	-0.007618
173	-0.012776	0.005016	-0.005448	0.004844	0.025509	-0.023192	0.010154	0.031878
174	0.009154	-0.005102	-0.011161	-0.01639	-0.009344	0.036794	0.004118	0.027734
175	-0.011341	0.058033	0.004396	-0.011596	0.020232	0.057194	0.030574	0.020491
176	-0.009558	-0.035961	0.007824	-0.010428	-0.005122	0.063249	-0.010358	0.018227
177	0.032636	-0.045958	0.00446	-0.01386	-0.03825	0.012411	0.035235	-0.024234
178	0.018571	-0.022502	0.021538	-0.024571	0.036411	0.015282	-0.020295	0.000234
179	0.010949	-0.001542	0.01561	0.020314	-0.009367	-0.030923	-0.025704	-0.045573
180	-0.006686	-0.010221	0.010261	-0.016997	0.007654	-0.011431	-0.026543	-0.009304
181	-0.002448	0.003042	-0.002134	0.006446	0.007393	-0.00997	-0.021529	-0.012726
182	-0.022108	0.006864	-0.001995	0.006316	-0.004154	0.003947	-0.019014	-0.056068
183	0.005402	0.03772	0.019789	0.023174	-0.007722	-0.024101	-0.018848	-0.02697
184	-0.017089	0.027276	0.003729	-0.001833	0.02057	0.051455	-0.017035	0.075729
185	-0.05981	-0.017568	-0.015118	-0.024177	0.006707	-0.020724	0.035559	0.003821
186	-0.027133	-0.05063	-0.028935	-0.067229	0.015283	-0.064268	-0.061786	0.015819
187	0.003674	0.010003	-0.008288	0.002615	0.019441	-0.00033	0.027756	0.008735
188	-0.001177	-0.003565	-0.013038	-0.001576	0.009658	0.044474	0.018705	0.021433
189	-0.01638	-0.023856	-0.019262	0.012272	0.01016	0.084404	0.04371	0.017098
190	-0.015852	0.023607	0.008125	-0.051779	-0.033803	0.029333	-0.032984	0.004068
191	-0.00304	0.035604	0.000564	-0.012811	-0.039685	0.013038	0.007906	-0.039359
192	-0.011164	-0.005942	-0.021858	0.028479	-0.02536	-0.019389	-0.002738	-0.056506
193	0.000863	0.011237	0.004873	-0.002358	-0.017336	0.016512	-0.016275	-0.005123
194	0.001188	-0.02456	0.006214	-0.021398	-0.012518	-0.06324	-0.03856	0.001184
195	-0.000945	0.01572	-0.017223	0.021909	-0.019323	-0.067996	-0.005265	-0.004479
196	0.004892	0.021704	-0.011297	0.02011	0.009736	-0.011775	-0.032352	0.00528
197	-0.038303	-0.011369	-0.022665	-0.011768	-0.030509	-0.005063	-0.00963	-0.014642
198	0.003115	0.015913	-0.005378	-0.049853	-0.028077	-0.00819	0.045003	0.000247
199	-0.038447	-0.017609	-0.008959	-0.036039	-0.03786	0.021033	0.017948	-0.036759
200	0.0371	0.014697	-0.023728	0.009672	0.034926	-0.032041	0.012107	0.004139
201	-0.013934	-0.119708	0.029079	-0.003168	-0.016355	-0.022568	-0.028943	-0.052191
202	0.002698	-0.080732	0.010383	0.001311	0.003281	-0.033207	-0.046449	-0.026787
203	0.027064	-0.004032	0.035966	-0.012636	-0.098936	-0.002885	-0.054994	-0.046004
204	-0.003405	-0.03942	-0.026791	0.032478	-0.011828	0.11618	0.016241	-0.076293
205	-0.051016	-0.055276	-0.007323	0.009695	-0.036376	0.050134	0.017466	0.014336

	LV	LW	LX	LY	LZ	MA	MB	MC
206	-0.003471	-0.024941	0.003019	-0.025576	-0.000615	0.002747	0.007627	0.014724
207	0.025969	-0.049009	0.042086	0.005027	0.030147	-0.005174	-0.067553	-0.085585
208	-0.030696	-0.012366	-0.021532	-0.005871	-0.03805	-0.011468	0.005278	0.060667
209	-0.0156	-0.02733	0.005576	0.03593	-0.034785	-0.000233	-0.030078	0.035014
210	0.022781	0.006848	0.039671	-0.044486	0.057743	-0.044973	-0.053411	0.025427
211	0.001721	-0.036254	0.032502	0.051845	0.103747	-0.010382	0.033122	-0.000206
212	-0.009992	-0.028975	-0.012095	0.015134	0.029141	0.005953	-0.060849	0.091669
213	-0.000629	0.026405	0.007598	-0.019603	0.033916	0.009703	-0.042314	-0.040685
214	0.009201	-0.010842	0.007492	0.024171	0.011874	-0.019769	-0.005155	-0.023786
215	-0.00719	-0.03429	-0.006155	-0.030747	0.023515	-0.043681	-0.048693	0.042238
216	-0.000916	0.006294	-0.003587	-0.061917	0.057394	0.019065	-0.004263	0.011917
217	0.009826	0.014616	0.000121	0.003278	0.020318	-0.026251	0.027447	-0.012671
218	-0.010498	-0.052431	-0.0251	0.0004	0.008084	-0.012383	-0.015258	0.058822
219	-0.000597	0.002595	-0.032536	-0.000928	-0.004316	-0.005431	-0.000635	0.02664
220	0.002047	0.007868	-0.008694	0.026764	-0.024837	0.013752	0.067274	0.020763
221	0.001154	-0.020084	0.001922	0.011572	0.020475	-0.042799	0.016016	-0.023168
222	-0.000407	-0.012092	-0.009821	0.04514	0.028325	-0.024785	0.007951	0.024521
223	0.026798	0.001927	0.008248	0.01046	0.011543	-0.002245	0.009506	-0.005813
224	-0.004152	-0.009899	-0.009226	0.007494	-0.011231	-0.008126	-0.025297	0.04231
225	0.005788	0.011033	0.004235	0.005689	-0.030238	-0.033881	-0.03806	0.032098
226	-0.019793	-0.006129	-0.016145	-0.003855	0.001441	0.02314	-0.016032	0.019074
227	-0.013179	-0.032709	0.014668	-0.04052	0.001164	0.028617	-0.028639	0.049448
228	-0.022138	-0.022219	-0.005874	-0.005112	0.028908	0.063891	-0.040534	-0.033427
229	0.011053	-0.03019	0.01048	0.019379	-0.016501	0.001224	-0.024589	0.024858
230	0.01548	-0.005725	0.013324	-0.033396	0.027673	-0.021448	-0.005872	-0.023671
231	0.011403	0.017695	0.014138	0.011795	0.012552	-0.007599	0.045436	0.005391
232	-0.004276	0.06364	-0.008306	0.008511	0.00773	-0.012885	-0.028587	0.011714
233	0.004809	-0.025042	-0.013537	0.020944	0.028897	-0.004238	0.058596	-0.014827
234	0.022953	-0.00611	0.00244	0.014325	-0.022941	0.012087	0.002359	0.041818
235	0.016716	0.030441	-0.003473	0.061488	-0.015371	-0.002375	0.033194	0.040092
236	-0.00225	0.04831	0.00502	-0.042292	0.019421	-0.013181	-0.003752	0.017875
237	0.00884	-0.013953	0.005288	-0.0541	-0.004862	0.020834	-0.003286	-0.024936
238	0.00156	0.015048	-0.010917	0.009777	-0.012955	0.01291	-0.007633	-0.023153
239	0.011065	0.018829	0.006176	0.034619	0.010527	-0.006521	-0.027349	-0.015172
240	0.006422	0.010035	0.009671	-0.009193	-0.002365	-0.03749	-0.026573	0.008013
241	0.028127	-0.014491	-0.004225	0.019895	-0.001385	-0.006961	-0.009686	0.028379
242	-0.030068	-0.020514	-0.008279	0.031476	0.011838	0.031524	0.011666	-0.013865
243	-0.014844	-0.012501	-0.023279	-0.027809	0.006905	0.019333	-0.002266	-0.057611
244	0.006391	0.001314	0.015306	-0.00943	0.007782	-0.028856	0.002648	-0.03411
245	0.006574	-0.009424	0.007617	0.015034	-0.004948	-0.004953	-0.027867	0.023994
246	-0.010767	-0.012893	0.010493	-0.004676	-0.014558	0.025404	0.018282	0.012059

	LV	LW	LX	LY	LZ	MA	MB	MC
247	0.001768	-0.008635	0.014676	-0.032529	0.001612	0.002244	0.016363	-0.017031
248	-0.002746	0.01149	0.007269	-0.012891	0.008856	-0.021476	0.014725	-0.011432
249	-0.017229	-0.033373	-0.013474	0.001605	0.001744	-0.044186	-0.038981	0.028177
250	0.004763	0.026503	0.008182	-0.015981	-0.006732	-0.032619	-0.016678	0.01744
251	0.023221	0.0135	-0.001023	0.017822	-0.028172	-0.03665	-0.009124	0.007783
252	-0.007653	-0.030042	-0.003026	0.020419	0.007459	-0.035578	-0.046269	-0.039205
253	0.02309	0.049634	-0.004104	0.027822	-0.018181	-0.002441	0.006814	0.007078
254	0.009862	0.018293	0.005392	0.006258	-0.012676	0.021706	0.000315	0.005958
255	-0.000777	-0.013241	0.005308	-0.012633	-0.004826	0.001822	0.031171	-0.021808
256	-0.013071	-0.042507	-0.008382	-0.0459	-0.024344	0.045024	-0.007348	0.027142
257	-0.006912	0.017203	0.000025	0.002534	0.003949	-0.021892	0.008953	-0.025891
258	0.008936	0.006541	-0.00558	-0.027319	0.010089	-0.019207	-0.039623	0.01435
259	-0.009526	-0.008444	-0.017798	0.016249	0.017085	-0.003089	-0.016958	-0.009541
260	0.014651	0.018839	0.013987	0.018912	-0.0053	-0.020985	-0.001619	-0.05066
261	0.016897	-0.014823	0.004697	0.039067	-0.007751	-0.024284	-0.035333	-0.010532
262	0.009399	-0.010356	0.015384	0.017138	0.030717	-0.009358	-0.006768	0.025168
263	0.013732	0.020606	0.005861	0.035242	0.034781	-0.014575	-0.000389	0.01932
264	0.000331	0.01579	0.000156	0.033554	0.015211	0.027522	0.026834	0.042512
265	0.017868	0.027292	0.017779	0.013531	-0.032727	0.037355	0.03146	-0.003394
266	0.006252	-0.009504	-0.000279	0.023857	-0.025503	0.018495	0.046187	-0.018193
267	0.004781	0.026132	0.017251	-0.028729	0.008523	0.050406	0.006371	0.070102
268	-0.017137	-0.00029	-0.008372	0.000656	0.002542	0.007648	-0.025419	0.032295
269	-0.028672	-0.008246	-0.017702	0.010385	-0.003492	0.004895	0.014924	0.022137
270	-0.023081	-0.003545	-0.008902	-0.011193	-0.007173	0.014575	0.015115	0.025496
271	-0.017606	-0.037618	0.029669	0.013964	-0.061266	-0.020464	0.045986	0.046052
272	0.018023	-0.00556	0.004437	0.022014	-0.035952	0.011239	-0.010114	-0.024207
273	0.005127	0.00044	0.004673	0.001432	-0.003629	-0.045923	-0.010887	-0.036705
274	0.007452	0.003633	0.004337	0.002952	-0.011441	-0.039261	0.005101	-0.039389
275	0.004605	-0.001846	0.009243	-0.042346	0.021864	-0.029001	-0.002147	-0.019475
276	-0.003859	0.034281	-0.002746	0.002507	0.016006	0.016269	-0.01825	0.0386
277	0.022061	0.021516	0.024963	0.016822	0.026494	0.025021	0.006679	-0.003187
278	0.009777	0.021772	0.011038	0.037132	0.033822	-0.006215	0.018246	-0.012512
279	0.010122	0.053887	-0.01085	0.055754	-0.000813	-0.012578	-0.019721	0.001797
280	0.00146	0.01932	-0.020915	-0.011058	0.006767	0.026692	0.000764	-0.020667
281	0.001704	-0.019718	0.000909	0.006232	-0.035487	0.019579	-0.01266	0.009892
282	-0.012353	-0.032906	-0.005273	0.016746	-0.009597	-0.003621	-0.00359	0.017671
283	0.012537	0.006314	0.011988	-0.031351	0.006547	0.017464	0.014159	0.007083
284	-0.010467	0.022102	-0.010354	0.008949	-0.007745	-0.0149	-0.003205	-0.00271
285	-0.012134	0.002842	-0.011525	0.006877	-0.005509	-0.012263	-0.007293	-0.000437
286	-0.001958	-0.012756	-0.032228	0.000801	0.002644	-0.013078	-0.046328	0.025996
287	-0.002907	-0.02122	-0.021965	-0.014916	0.026433	0.005451	-0.047101	0.008862

	LV	LW	LX	LY	LZ	MA	MB	MC
288	-0.001694	-0.024084	-0.005032	-0.023524	0.004253	0.001161	-0.026038	0.059248
289	0.003001	0.024939	0.013358	-0.01293	-0.006191	-0.000668	0.028389	0.044807
290	-0.010947	-0.018364	0.01203	-0.004848	-0.021236	0.004662	-0.027275	0.02294
291	-0.015038	-0.018596	0.011232	-0.00208	-0.016054	0.002877	-0.02726	0.020382
292	-0.006807	0.010009	0.00454	0.020116	-0.020541	0.033688	-0.012108	0.017443
293	-0.018903	0.00571	0.009185	-0.048548	-0.027146	-0.006911	-0.077082	-0.038861
294	-0.021455	-0.050476	-0.006243	-0.030199	-0.009434	0.014925	0.012447	0.061536
295	-0.018527	-0.009903	0.012697	-0.021395	-0.037822	-0.00313	-0.000965	-0.022037
296	-0.010291	-0.020582	0.007271	0.012572	-0.033157	-0.034021	0.029455	0.006471
297	-0.008388	-0.028338	0.009547	0.022893	-0.027534	0.02582	0.006492	-0.025237
298	0.009157	0.028717	0.015438	-0.007908	-0.006901	-0.068828	0.025617	0.008013
299	0.022462	0.010704	-0.009488	-0.004312	-0.060785	0.009972	0.00906	-0.031572
300	0.036996	0.018801	0.025242	-0.006716	0.029352	0.055056	0.036574	-0.001324
301	-0.016609	-0.002426	0.002917	-0.011408	-0.043987	-0.005795	-0.005628	-0.011653
302	0.002498	-0.015855	-0.012366	0.002291	-0.004195	-0.017587	0.016857	0.025619
303	0.013186	0.007881	-0.027074	-0.005061	-0.026722	0.018428	0.008137	-0.018901
304	0.030488	0.02055	-0.027601	-0.006265	-0.01698	0.012514	-0.00864	-0.021043
305	0.022665	0.015515	0.026058	-0.02762	-0.042709	0.053431	-0.018511	-0.041826
306	0.026037	0.039249	-0.00449	-0.016603	-0.020972	-0.031811	-0.012044	-0.026105
307	-0.021635	0.052078	-0.045694	-0.028764	-0.042898	-0.047606	-0.087337	0.017865
308	0.0324	0.025534	-0.028513	0.03896	0.023887	-0.007405	0.017019	-0.012905
309	-0.048413	-0.022678	-0.036751	-0.026683	0.022518	-0.006455	-0.007846	-0.016592
310	-0.008244	0.035063	-0.027262	-0.013108	0.004817	-0.048273	0.045906	0.012501
311	-0.041865	0.021039	-0.007228	-0.038081	-0.016698	-0.013285	-0.067618	0.004003
312	0.032361	-0.088435	-0.01774	-0.017812	-0.031096	-0.001812	-0.025459	-0.021142
313	-0.027092	0.001759	-0.025436	0.030268	0.001165	0.043643	-0.009529	-0.027584
314	0.007533	-0.060416	0.024082	-0.057619	0.012594	0.028178	-0.045264	0.034862
315	-0.03742	-0.035406	-0.02803	-0.020136	-0.027257	0.037115	-0.022394	-0.030031
316	-0.011956	-0.028406	-0.033032	0.019283	-0.032203	-0.068357	-0.004962	0.022654
317	-0.057114	-0.004508	-0.010056	-0.052215	-0.006716	-0.000173	-0.009032	-0.010722
318	-0.030434	0.00247	-0.014902	-0.031206	0.001996	0.030779	0.001469	-0.041597
319	-0.043119	0.005142	-0.047435	0.000836	0.000016	0.020313	-0.009919	-0.008055
320	0.006925	0.034294	-0.022051	0.015257	-0.019325	-0.021918	-0.027331	0.029839
321	-0.011275	-0.004915	-0.023392	-0.013812	0.005038	0.026044	-0.029976	0.034032
322	0.017758	0.013164	0.028065	-0.053893	-0.013116	-0.089715	-0.01956	0.018308
323	-0.019042	0.018398	-0.036742	-0.007813	0.011912	-0.042244	-0.052287	0.043431
324	-0.036884	-0.037137	-0.020739	0.05669	-0.068204	-0.072742	0.047275	0.008428
325	-0.108766	-0.10316	-0.061314	-0.003976	0.008712	0.025086	-0.009646	-0.039417
326	-0.044356	-0.010859	-0.037098	-0.069968	-0.020253	0.000369	-0.032618	-0.036468
327	-0.019264	0.038995	-0.044278	-0.007857	-0.001305	-0.013069	0.011654	0.010094
328	0.008997	-0.028289	0.002318	-0.032659	-0.022251	-0.072395	-0.020927	0.064311

	LV	LW	LX	LY	LZ	MA	MB	MC
329	-0.037141	-0.012115	-0.052205	0.010458	0.003802	0.00132	-0.003666	0.00074
330	-0.01367	-0.03067	-0.020188	0.030865	0.005569	0.035331	-0.012419	-0.024858
331	-0.068483	-0.011381	-0.064231	-0.029389	0.005656	0.022673	-0.037804	0.020616
332	-0.007716	0.061935	-0.008346	0.024297	-0.023445	-0.04651	-0.004522	-0.032382
333	0.853252	-0.066705	-0.073113	-0.032521	-0.004942	0.034898	-0.007397	-0.006191
334	-0.071031	0.515176	0.008838	0.036236	-0.008557	-0.032918	-0.080989	-0.065568
335	-0.067818	0.018858	0.875109	0.003192	-0.002379	0.00321	0.017952	0.000673
336	-0.038871	0.012459	-0.000655	0.71138	0.011806	0.029545	-0.017406	-0.011998
337	0.000499	-0.012556	-0.006356	-0.005809	0.784688	-0.009656	-0.024439	-0.025345
338	0.019725	0.000932	0.00052	-0.036785	0.000405	0.516104	-0.044269	-0.039149
339	-0.017088	-0.05005	-0.005455	-0.032248	-0.035583	-0.04094	0.674859	0.028835
340	-0.003359	-0.037041	-0.002109	0.006806	-0.010954	-0.050728	0.038259	0.421013

Appendix B3

PCA Transformation Matrix (340 x 340; Early/Late)

	A	B	C	D	E	F	G	H	I	J	K
1	409.4/255.3>GPA:Lyso 16:0	-0.084549	-0.000648	0.081762	0.080819	0.038706	0.010787	-0.045519	0.035218	-0.046088	-0.016411
2	433.4/279.3>GPA:Lyso 18:2	-0.074727	0.047237	0.029063	0.11057	0.01461	0.006678	0.044697	0.055951	-0.020971	-0.088282
3	435.4/281.3>GPA:Lyso 18:1	-0.088986	0.039208	0.056817	0.079403	0.003212	0.022162	-0.003429	0.074578	-0.013487	-0.043968
4	437.4/283.3>GPA:Lyso 18:0	0.008577	-0.075046	0.106548	0.082045	0.012322	-0.022934	-0.029038	-0.010448	0.026385	-0.048348
5	451.4/283.3>GPA:Lyso 18:0	-0.039483	0.007818	0.055426	0.068624	0.042155	0.042458	-0.076885	-0.018428	-0.116266	-0.04669
6	459.6/305.5>GPA:Lyso 20:3	-0.065711	0.024051	-0.021933	0.093235	0.000983	0.043241	-0.025647	0.027906	0.058762	0.057287
7	461.6/307.5>GPA:Lyso 20:2	-0.045924	0.065727	0.059163	0.081275	-0.038754	0.056616	0.021197	-0.004018	0.022231	0.008291
8	463.7/309.5>GPA:Lyso 20:1	-0.020674	-0.002813	0.085687	0.034615	-0.040521	0.060833	0.039675	-0.032529	-0.06427	-0.011393
9	465.7/311.5>GPA:Lyso 20:0	0.008414	-0.10711	0.053022	0.055033	0.02517	-0.01043	-0.051646	-0.041891	0.01234	-0.062678
10	481.4/327.3>GPA:Lyso 22:6	-0.061688	0.063678	0.014834	0.079968	0.061715	-0.033865	0.031208	-0.030259	0.08316	-0.006904
11	483.4/329.3>GPA:Lyso 22:5	-0.035269	-0.014568	0.000043	0.101294	0.014047	0.032856	-0.072654	-0.03499	-0.046341	0.000795
12	641.8/251.3>GPA:16:1/16:2	-0.000351	-0.011831	0.035237	-0.00862	-0.010556	0.022016	0.051198	0.031248	-0.08175	-0.039489
13	643.8/253.3>GPA:16:1/16:1	0.027797	-0.000013	0.014108	-0.053528	-0.01869	-0.11933	-0.016316	0.181048	-0.049332	0.031493
14	645.8/255.3>GPA:16:1/16:0	0.008807	-0.020653	0.017412	-0.038791	-0.016934	-0.096273	-0.034201	0.192294	-0.064717	0.023281
15	647.8/255.3>GPA:16:0/16:0	-0.090392	0.026209	0.061768	0.051539	-0.017056	-0.049419	-0.060098	0.075181	-0.034656	0.018098
16	667.8/279.3>GPA:34:4	0.009559	0.000391	0.044239	0.04565	0.043263	0.041421	0.005554	-0.045043	-0.081576	-0.052005
17	669.8/279.3>GPA:34:3	-0.054256	-0.030403	-0.011201	0.108873	-0.013784	-0.006764	0.033962	0.140091	-0.006833	0.001443
18	669.8/281.3>GPA:34:4	-0.060664	-0.033022	0.015472	0.075757	0.073943	-0.018497	-0.057347	0.006092	-0.073785	0.019968
19	671.8/279.3>GPA:18:2/16:0	-0.046403	-0.006511	0.031314	0.136441	0.029596	-0.033683	-0.014686	0.045534	-0.093366	-0.030186
20	673.8/281.3>GPA:18:1/16:0	-0.040705	0.002721	0.04104	0.021149	-0.165263	-0.088407	-0.058469	0.019035	-0.01501	0.050669
21	695.8/279.3>GPA:36:4	-0.056722	0.044629	0.02137	0.098011	-0.001177	0.010527	0.096371	0.052944	-0.038472	-0.094251
22	695.8/303.3>GPA:36:4	-0.0654	0.030245	0.062724	0.086903	0.019367	-0.061297	-0.060302	-0.005814	-0.006665	-0.034821
23	697.8/281.3>GPA:20:3/16:0	-0.067288	0.043764	0.054932	0.038512	-0.022704	-0.007269	-0.042753	0.031164	-0.068748	0.046753
24	697.8/305.3>GPA:18:1/18:2	-0.067993	0.033445	0.05299	0.088708	-0.033984	0.004531	0.010651	0.064795	-0.056643	-0.048085
25	699.8/279.3>GPA:36:2	-0.065045	0.019918	0.029264	0.105708	-0.055765	-0.006488	0.062411	0.062399	-0.006	-0.023989
26	699.8/281.3>GPA:36:2	-0.040531	0.008199	0.047452	0.004505	-0.174347	-0.068453	-0.059723	-0.006733	0.000731	0.052999
27	701.8/283.3>GPA:36:1	-0.036393	0.001462	0.035516	0.024618	-0.174531	-0.080064	-0.049263	-0.04176	0.010152	0.036652
28	703.8/283.3>GPA:36:0	-0.053272	-0.050884	0.080113	0.063909	-0.079948	-0.061026	-0.046663	-0.032321	0.013727	-0.028009
29	721.8/255.3>GPA:18:1/20:4	-0.040826	0.008236	0.065408	0.031371	-0.092165	-0.108316	0.002741	-0.039586	0.001623	-0.044451
30	721.8/281.3>GPA:16:0/22:5	-0.053233	-0.065222	0.112649	0.028282	-0.000769	0.024667	-0.002301	0.008927	0.056135	-0.002042
31	723.8/283.3>GPA:18:0/20:4	-0.035654	0.012715	0.040483	0.027431	-0.145995	-0.092225	-0.05961	-0.103997	0.007762	-0.00277
32	725.8/305.3>GPA:20:3/18:0	-0.038534	0.01596	0.023725	0.031475	-0.097113	-0.002468	-0.050103	-0.045813	0.057531	0.059859
33	729.8/281.3>GPA:38:1	-0.058607	-0.003398	0.007166	0.092136	-0.104572	-0.049391	-0.009764	0.011201	-0.049996	0.0525
34	731.8/283.3>GPA:38:0	-0.051736	-0.040539	0.099232	0.062281	-0.057345	-0.046225	-0.032547	-0.00396	0.062121	-0.029227
35	751.8/303.3>GPA:40:4	-0.02126	0.094516	-0.005654	0.085443	0.010083	-0.013756	0.075194	-0.029842	-0.033062	0.021068
36	757.8/281.3>GPA:40:1	-0.08045	-0.005904	0.047669	-0.048821	-0.087218	-0.006379	0.045608	-0.028216	-0.022902	0.022434
37	759.8/283.3>GPA:40:0	-0.056693	-0.038662	0.002662	0.048179	-0.141134	-0.061963	-0.061544	-0.037445	0.007856	0.064876
38	777.8/329.3>GPA:42:5	-0.018089	-0.020002	0.071834	0.030203	0.04085	0.042476	-0.01206	0.098592	-0.089013	0.012458
39	481.4/253.3>GPGro:Lyso 16:1	0.006199	-0.044947	0.098709	0.10218	-0.00499	-0.004916	-0.087745	0.081685	0.004316	0.013494
40	483.4/255.3>GPGro:Lyso 16:0	-0.042684	-0.049177	0.082744	0.084666	0.061793	-0.059203	-0.043531	0.070765	0.030787	-0.020373
41	507.4/279.3>GPGro:Lyso 18:2	-0.025813	-0.037471	0.069511	0.113698	0.052515	-0.058452	-0.006876	0.087861	0.029405	-0.057712

	A	B	C	D	E	F	G	H	I	J	K
42	509.4/281.3>GPGro:Lyso 18:1	-0.000845	-0.04825	0.089478	0.107019	0.046348	-0.02644	-0.081365	0.04703	-0.025707	-0.03292
43	511.4/283.3>GPGro:Lyso 18:0	-0.017174	-0.061846	0.093997	0.083375	0.046248	-0.066654	-0.0162	0.062736	0.055472	-0.025254
44	531.4/303.3>GPGro:Lyso 20:4	-0.037975	0.010137	0.074432	0.107926	0.0662	-0.084627	-0.059156	0.06559	0.036588	-0.000588
45	555.4/327.3>GPGro:Lyso 22:6	-0.026348	-0.008115	0.074704	0.107263	0.070699	-0.077981	-0.016658	0.028502	0.077939	-0.040795
46	557.4/329.3>GPGro:Lyso 22:5	-0.018474	0.004355	0.024108	0.141341	0.082304	-0.069596	-0.056616	0.056796	0.06634	-0.012589
47	717.8/253.3>GPGro:16:1/16:1	0.004054	0.007536	0.010303	-0.042743	-0.09226	0.090127	-0.109775	0.104198	0.097442	-0.015229
48	719.8/253.3>GPGro:16:1/16:0	0.043423	-0.053495	0.010354	0.094452	-0.038393	0.029779	-0.1032	0.095175	0.018852	0.030901
49	721.8/255.3>GPGro:16:0/16:0	-0.047187	-0.071574	0.1111	0.020537	-0.008129	0.019358	0.014468	0.019844	0.044876	-0.002464
50	743.8/279.3>GPGro:18:2/16:1	0.004285	0.046731	-0.094733	-0.075074	-0.034786	-0.028194	0.09541	0.013859	-0.122187	-0.053639
51	743.8/281.3>GPGro:18:1/16:2	-0.004687	0.030989	-0.019131	-0.123175	-0.042903	0.066212	-0.085299	0.034942	0.028506	0.009421
52	745.8/279.3>GPGro:18:2/16:0	0.025255	0.045091	-0.091681	-0.045301	-0.01917	-0.019715	0.092687	0.016148	-0.097698	-0.044368
53	745.8/281.3>GPGro:18:1/16:1	-0.027	0.016733	-0.034116	-0.131221	-0.056487	0.047472	-0.108873	0.007485	-0.006212	0.02956
54	747.8/255.2>GPGro:16:0/18:1	0.065478	-0.042605	0.017213	0.052776	0.003308	-0.022384	-0.118119	0.061278	-0.074399	0.029233
55	747.8/281.1>GPGro:16:0/18:1	-0.067611	0.047243	0.051053	-0.088939	-0.072993	0.040362	-0.056879	-0.041575	-0.007982	0.027204
56	749.8/283.3>GPGro:18:0/16:0	-0.045149	-0.062768	0.116813	0.02112	-0.002911	0.006957	0.029342	0.017736	0.060031	0.013011
57	767.8/303.3>GPGro:20:4/16:1	0.013695	0.114597	-0.029001	-0.01905	0.040117	-0.018865	-0.086056	-0.059127	-0.067659	0.058396
58	769.8/279.3>GPGro:18:2/18:2	0.019555	-0.020959	-0.123052	0.066521	-0.025737	-0.010895	0.085252	0.061169	-0.007568	0.026067
59	769.8/303.3>GPGro:20:4/16:0	0.028888	0.046295	0.016803	0.057864	0.045378	-0.083128	-0.09438	0.02581	-0.008519	0.043544
60	771.8/279.3>GPGro:18:2/18:1	-0.008161	0.048099	-0.012533	-0.041112	-0.061121	0.073609	0.175419	-0.019117	0.024729	0.027336
61	773.8/279.3>GPGro:18:2/18:0	0.048004	-0.037688	0.065179	0.048431	-0.024802	-0.047157	0.087546	0.100672	0.029401	0.012611
62	773.8/281.3>GPGro:18:1/18:1	-0.001946	0.00455	-0.003781	-0.042075	-0.099065	0.12233	0.004614	0.056256	0.118603	0.137306
63	775.8/281.3>GPGro:18:1/18:0	0.050552	-0.047445	0.106024	0.054126	0.000194	-0.012335	-0.054181	0.084598	0.019316	0.022737
64	777.8/283.3>GPGro:18:0/18:0	-0.038258	-0.081888	0.096334	0.045057	0.013431	0.025969	0.037751	0.016881	0.093892	0.02844
65	795.8/303.3>GPGro:20:4/18:1	0.005782	0.118824	-0.003598	-0.004992	0.02126	0.020382	-0.025873	-0.079243	0.001648	0.128232
66	797.8/303.3>GPGro:20:4/18:0	0.034026	0.013611	0.07246	0.040429	0.069268	-0.11144	-0.025717	0.01286	0.047678	0.107402
67	821.8/327.3>GPGro:22:6/18:0	-0.002875	0.027968	0.08069	0.044932	0.079571	-0.100455	0.000445	0.011828	0.097542	0.058624
68	823.8/329.3>GPGro:22:5/18:0	0.014123	0.065213	0.073335	0.053529	0.056982	0.007148	-0.071809	0.023796	-0.051303	0.090297
69	494.4/407.4>Lyso GPSer:16:1	0.032041	-0.002521	0.014846	-0.053979	-0.007764	-0.098737	-0.020352	0.169957	-0.089281	0.08302
70	496.4/409.4>Lyso GPSer:16:0	0.022628	-0.00139	0.029286	-0.053785	0.0108	-0.10349	-0.018332	0.174008	-0.070657	0.012724
71	522.4/435.4>Lyso GPSer:18:1	-0.028667	-0.023862	-0.002593	0.011638	-0.129383	-0.121268	-0.059676	0.022588	-0.035898	-0.052957
72	524.4/437.4>Lyso GPSer:18:0	-0.034209	-0.053233	0.027685	0.013594	-0.089544	-0.052122	-0.029739	-0.103253	-0.036093	-0.071726
73	544.4/457.4>Lyso GPSer:20:4	-0.023919	0.019658	0.053441	0.024052	-0.027773	-0.023933	-0.006324	-0.057467	-0.026265	-0.071636
74	570.4/483.4>Lyso GPSer:22:5	0.008746	-0.049239	-0.104821	0.063343	0.012182	-0.010863	-0.031769	-0.046053	-0.067034	-0.048477
75	732.6/645.6>GPSer:32:1	0.031689	0.000525	0.0012	-0.060933	0.006022	-0.099352	-0.026523	0.192076	-0.063473	0.024214
76	734.6/647.6>GPSer:32:0	0.01653	-0.030955	-0.06031	-0.045489	0.014869	-0.095341	-0.034267	0.157204	-0.055697	0.013048
77	758.6/671.6>GPSer:34:2	0.034484	-0.006673	-0.003947	-0.049995	0.008486	-0.101849	-0.029111	0.191043	-0.063393	0.028305
78	760.8/673.8>GPSer:34:1	0.030186	0.000951	0.00812	-0.053757	-0.013711	-0.108481	-0.031501	0.186411	-0.068593	0.029855
79	762.8/675.7>GPSer:34:0	0.016927	-0.001459	0.013311	-0.069704	-0.012528	-0.113083	-0.033793	0.173339	-0.068991	0.020791
80	782.6/695.7>GPSer:36:4	0.032913	-0.067394	0.032521	-0.017855	0.026368	-0.088863	0.029868	-0.021503	0.077209	0.00983
81	784.8/697.8>GPSer:36:3	-0.002168	-0.064684	-0.083452	-0.017058	-0.00817	-0.100834	-0.029912	0.092668	-0.000227	0.02684
82	786.8/699.8>GPSer:36:2	-0.024196	-0.027211	-0.010013	0.01964	-0.161361	-0.124781	-0.044766	-0.012128	-0.003982	0.048354

	A	B	C	D	E	F	G	H	I	J	K
83	788.8/701.8>GPSer:36:1	-0.032375	-0.003494	0.021632	0.026526	-0.173853	-0.090294	-0.051523	-0.049743	0.006439	0.024164
84	790.8/703.8>GPSer:36:0	-0.029209	-0.010194	0.02306	0.025273	-0.177052	-0.078422	-0.057128	-0.052955	0.002702	0.007574
85	808.6/721.6>GPSer:38:6	0.00143	-0.037705	0.037028	-0.057288	-0.064464	-0.107713	0.044948	-0.067507	-0.002647	-0.026265
86	810.8/723.8>GPSer:38:5	0.000045	-0.015457	-0.03545	0.013951	-0.108191	-0.130539	-0.019941	-0.090007	-0.006372	-0.025489
87	812.8/725.8>GPSer:38:4	-0.014427	0.014617	0.02084	0.017761	-0.158016	-0.097905	-0.054625	-0.067219	0.025207	-0.051129
88	814.6/727.6>GPSer:38:3	-0.026693	-0.002894	0.034968	0.02028	-0.169304	-0.100086	-0.042911	-0.050962	0.010955	0.032863
89	816.8/729.8>GPSer:38:2	-0.032503	0.004308	0.030785	0.02793	-0.173226	-0.08259	-0.050453	-0.038855	0.014879	0.027183
90	818.8/731.8>GPSer:38:1	-0.031289	0.002822	0.035176	0.019647	-0.173992	-0.083062	-0.047926	-0.041807	0.011733	0.012501
91	834.8/747.8>GPSer:40:6	-0.027814	-0.009429	0.024609	0.025555	-0.171681	-0.101053	-0.044643	-0.056653	0.002619	0.03593
92	836.8/749.8>GPSer:40:5	-0.003147	-0.014157	-0.029707	-0.008663	-0.125178	-0.109411	-0.039564	-0.081294	-0.034196	-0.033837
93	838.8/751.8>GPSer:40:4	-0.009958	-0.003487	0.047537	-0.000965	-0.163477	-0.105056	-0.034437	-0.055336	0.005125	0.013906
94	840.6/753.7>GPSer:40:3	-0.005615	-0.049527	-0.01051	-0.008841	-0.124343	-0.140605	0.008145	-0.079119	-0.003684	0.041957
95	778.9/97>Sulfatide:16:0	0.016302	-0.02748	0.014347	0.104261	0.039018	-0.085663	-0.002487	-0.015885	-0.083921	-0.01057
96	806.9/97>Sulfatide:18:0	-0.001141	-0.045679	0.107606	0.025323	0.071201	0.005948	-0.046757	0.012123	-0.066544	-0.030522
97	822.9/97>Sulfatide:18:0 (OH)	-0.095525	-0.016243	-0.049308	0.012494	0.051875	-0.026813	0.015329	-0.002007	-0.045387	0.104611
98	834.9/97>Sulfatide:20:0	0.056747	-0.092537	0.007494	-0.001845	0.071282	-0.100236	0.005516	-0.03928	0.079077	0.000075
99	850.9/97>Sulfatide:20:0 (OH)	-0.105862	0.020285	0.003933	-0.017896	0.05559	-0.03305	-0.003986	-0.004763	-0.071157	0.070435
100	862.9/97>Sulfatide:22:1	0.066278	-0.093063	-0.012856	0.041081	0.074072	-0.049712	-0.025872	-0.022339	0.001262	0.023132
101	878.9/97>Sulfatide: 22:1 (OH)	0.040056	-0.087532	-0.01523	-0.022099	0.074618	-0.104641	0.026327	-0.030252	0.116304	0.018055
102	888.9/97>Sulfatide:24:1	0.032839	0.013001	0.015621	0.083783	0.047994	-0.003923	-0.053536	0.049116	-0.079343	0.011132
103	890.9/97>Sulfatide:24:0	-0.00573	-0.080516	-0.036305	0.059671	0.073797	-0.024767	-0.027251	0.034688	-0.03698	0.003532
104	906.7/97>Sulfatide:24:0 (OH)	-0.034241	-0.019549	-0.094248	0.090856	0.056081	-0.013166	-0.036807	-0.003955	-0.008282	0.130685
105	1147/281.3>CardioliGPInsn:52:3	0.004792	-0.034616	0.09377	0.015228	0.005839	0.064483	0.005191	-0.041394	-0.023954	-0.048371
106	1376/281.3>CardioliGPInsn:66:2	-0.080159	0.025333	0.040025	-0.055358	-0.017126	0.099668	0.036971	0.005636	0.04007	0.004299
107	1400/281.3>CardioliGPInsn:68:4	-0.078227	0.009138	0.053104	-0.060849	-0.039646	0.070954	0.016315	0.030699	0.021724	-0.003607
108	1402/281.3>CardioliGPInsn:68:3	-0.063864	-0.000224	0.078253	-0.031912	-0.019391	0.084728	-0.007399	0.060129	-0.029703	-0.013253
109	1404/281.3>CardioliGPInsn:68:2	-0.057349	0.019329	0.055606	-0.031995	-0.02247	0.028549	-0.031621	0.022098	-0.03548	0.053402
110	1406/281.3>CardioliGPInsn:68:1	0.005151	-0.012337	0.073345	-0.080439	0.023458	0.003997	0.034183	-0.023955	0.032633	0.044503
111	1426/281.3>CardioliGPInsn:70:5	-0.075517	-0.006845	0.078642	-0.010095	-0.010243	0.066509	-0.025296	0.045127	0.019599	0.033546
112	1428/281.3>CardioliGPInsn:70:4	-0.071999	-0.012942	0.0793	-0.019723	0.015625	0.056832	-0.036894	0.026784	-0.036305	-0.071137
113	1430/281.3>CardioliGPInsn:70:3	-0.078636	0.010763	0.066727	-0.029946	-0.010235	0.069271	0.00853	0.04071	-0.059914	0.020663
114	1432/281.3>CardioliGPInsn:70:2	-0.032424	-0.032762	0.098035	-0.004864	-0.03155	0.054002	-0.017101	-0.003551	-0.002296	-0.110952
115	1434/281.3>CardioliGPInsn:70:1	-0.075067	-0.03004	0.06438	0.02519	-0.006941	0.040241	-0.020943	0.013788	-0.038919	-0.004946
116	1436/281.3>CardioliGPInsn:70:0	-0.035984	-0.013238	0.079785	-0.052141	-0.052649	0.032015	-0.00327	0.008147	0.08373	0.003808
117	436.6/196.1>Lyso GPEtn:Lyso16:1e/16:0p	0.027003	-0.044346	-0.002865	0.04906	-0.005151	0.024777	0.015393	-0.038993	-0.154355	-0.042651
118	450.4/196.1>Lyso GPEtn:Lyso 16:1	0.01055	-0.048231	-0.029237	0.064732	-0.081221	0.078468	-0.068711	0.03606	0.001529	-0.018067
119	452.4/196.1>Lyso GPEtn:Lyso 16:0	-0.043425	-0.05576	-0.027445	0.016705	-0.042823	0.085224	-0.093434	-0.047068	-0.108081	-0.035978
120	462.4/196.1>Lyso GPEtn:Lyso18:2e/18:1p	0.000954	-0.088589	-0.077553	0.075157	0.003903	0.029796	-0.028723	-0.010335	-0.100579	-0.057605
121	464.5/196.1>Lyso GPEtn:Lyso18:1e/18:0p	0.01383	-0.017369	0.031265	0.072606	0.021444	-0.018613	0.047841	-0.042136	-0.094894	0.066243
122	476.6/196.1>Lyso GPEtn:Lyso18:2a	-0.000793	0.020576	-0.002273	0.093848	-0.075986	0.06667	0.117166	0.084371	-0.031725	-0.089328
123	478.4/196.1>Lyso GPEtn:Lyso 18:1	-0.001358	-0.019347	-0.022122	0.090486	-0.091522	0.079161	0.049984	0.051724	-0.037898	-0.057294

	A	B	C	D	E	F	G	H	I	J	K
124	480.4/196.1>Lyso GPEtn:Lyso 18:0	-0.060562	-0.037252	-0.044653	0.025804	-0.067677	0.085649	-0.080128	0.00363	-0.03193	-0.033417
125	492.5/196.1>Lyso GPEtn:Lyso20:1e/20:0p	-0.047888	-0.064031	-0.093098	0.069101	0.021004	-0.036178	-0.062649	0.028834	-0.049858	0.028707
126	500.4/196.1>Lyso GPEtn:Lyso 20:4	0.020723	0.076962	-0.012834	0.109091	-0.039611	0.027262	0.052285	-0.019313	-0.030955	-0.043281
127	524.4/196.1>Lyso GPEtn:Lyso 22:6	0.003991	0.091634	-0.03043	0.1155	-0.010565	0.030774	-0.010851	-0.072268	-0.012612	-0.02654
128	688.6/196.1>GPEtn:16:0/16:1	0.021153	-0.08701	-0.100149	0.051485	0.014413	-0.004686	-0.075514	-0.04118	-0.03138	-0.014723
129	690.7/196.1>GPEtn 16:0/16:0	-0.025238	-0.024906	-0.045285	0.000753	-0.007165	0.003057	0.004246	-0.04489	-0.059303	-0.044157
130	698.6/196.1>GPEtn:34:2p, 34:3e	0.000372	-0.065132	-0.078682	0.035437	0.032206	-0.035559	-0.00101	-0.018237	0.016707	-0.01799
131	700.6/196.1>GPEtn:34:1p, 34:2e	-0.006628	-0.015053	0.04484	-0.007066	0.06359	0.052243	0.079492	-0.066613	-0.018936	-0.042619
132	702.6/196.1>GPEtn:34:0p, 34:1e	0.000398	-0.080922	-0.120314	0.049086	-0.008436	0.00408	-0.029451	-0.017746	-0.006896	0.018238
133	710.8/196.1>GPEtn:18:1/16:1	0.016904	-0.073806	-0.063669	-0.022414	0.042658	-0.04555	-0.032598	-0.07076	-0.024178	0.05596
134	712.8/196.1>GPEtn:18:2/16:1	0.000692	-0.045326	-0.007423	-0.043036	-0.015561	-0.006971	-0.047196	0.025023	0.087099	-0.044707
135	714.7/196.1>GPEtn:18:1/16:1	-0.013933	-0.047755	-0.150292	0.050693	-0.027286	0.00421	-0.04158	0.029885	-0.000204	-0.007915
136	716.7/196.1>GPEtn:18:1/16:0	-0.001556	-0.012326	-0.111754	-0.0094	-0.044461	0.05282	-0.074497	0.005064	-0.010574	-0.074308
137	718.6/196.1>GPEtn:18:0/16:0	0.009111	-0.070138	-0.110959	0.056328	0.005624	-0.025039	-0.064341	-0.046408	-0.00864	-0.009007
138	722.6/196.1>GPEtn:36:4p	-0.024942	-0.011216	0.052646	-0.00338	0.051653	0.06441	-0.004648	-0.018601	-0.011105	-0.04719
139	724.6/196.1>GPEtn:36:3p, 36:4e	-0.000101	-0.044089	-0.036587	0.048369	0.040753	0.009108	0.009815	-0.054071	-0.002608	0.011174
140	726.6/196.1>GPEtn:36:2p, 36:3e	-0.00723	-0.03557	-0.072439	0.025785	0.000232	-0.091707	0.002925	-0.033864	-0.011805	0.087966
141	728.6/196.1>GPEtn:36:1p, 36:2e	-0.019188	-0.066121	-0.129887	0.056958	-0.007375	-0.01108	-0.032861	0.00145	0.033287	-0.012389
142	738.8/196.1>GPEtn:20:4/16:0	0.00551	0.086009	-0.072768	-0.026068	-0.009861	0.0095	-0.073904	0.032592	-0.044446	-0.079377
143	740.8/196.1>GPEtn:18:2/18:1	-0.006288	-0.022264	-0.138524	0.065468	-0.020208	0.016235	0.010982	0.061724	0.013666	-0.010482
144	742.8/196.1>GPEtn:18:1/18:1	-0.003718	0.007326	-0.078945	0.0263	-0.085095	0.091663	0.006769	0.083291	0.013552	-0.066132
145	744.6/196.1>GPEtn:18:0/18:1	-0.019707	-0.029996	-0.12232	0.051886	-0.041233	0.039054	-0.006893	0.060162	0.052155	-0.057903
146	746.8/196.1>GPEtn:18:0/18:0	-0.010086	-0.06672	-0.140959	0.038711	-0.001138	-0.023437	-0.047928	0.021782	0.00823	0.020136
147	748.6/196.1>GPEtn:38:5p, 38:6e	-0.012991	0.044489	0.044715	-0.006636	0.023534	-0.036738	-0.003558	0.016351	-0.073345	-0.014
148	750.6/196.1>GPEtn:38:4p, 38:5e	-0.00139	-0.034584	-0.050851	0.089475	-0.00669	-0.021332	-0.025865	-0.048542	-0.011793	-0.057135
149	752.6/196.1>GPEtn:38:3p, 38:4e	-0.01342	-0.056876	-0.138535	0.068495	-0.005938	0.005644	-0.038806	0.007199	0.01257	0.001665
150	754.6/196.1>GPEtn:38:2p, 38:3e	-0.020592	-0.067047	-0.116811	0.064341	0.021704	-0.005198	-0.069572	0.002806	-0.01974	-0.01503
151	756.6/196.1>GPEtn:38:1p, 38:2e	-0.015684	-0.003457	0.052487	-0.039485	0.016324	-0.0083	-0.024896	-0.02806	-0.031526	-0.012381
152	762.8/196.1>GPEtn:20:4/18:2	0.003444	0.098505	-0.060274	0.034323	-0.025266	0.041977	-0.076607	-0.066104	-0.035241	-0.04224
153	764.8/196.1>GPEtn:20:4/18:1	0.016712	0.069378	-0.092028	0.040057	-0.039176	0.065154	-0.03915	0.003943	0.02344	-0.037251
154	766.8/196.1>GPEtn:20:4/18:0	0.019108	0.082563	-0.08176	-0.001187	-0.045848	0.023193	-0.039604	0.022601	0.007988	-0.039986
155	768.8/196.1>GPEtn:20:3/18:0	0.009958	0.033262	-0.096018	0.058178	-0.054627	0.086563	-0.050388	0.03342	0.018609	0.03335
156	770.6/196.1>GPEtn:20:2/18:0	-0.000716	-0.07393	-0.10785	0.064947	0.000011	0.010625	-0.012872	-0.02617	-0.037238	0.021432
157	772.6/196.1>GPEtn:20:1/18:0	-0.016348	-0.094973	-0.116287	0.027383	-0.007407	0.003796	-0.029571	0.022482	-0.013298	0.031942
158	776.6/196.1>GPEtn:40:5p, 40:6e	-0.028587	-0.025178	-0.013457	0.040329	0.01597	0.072199	0.028504	-0.026412	-0.010888	0.082413
159	778.6/196.1>GPEtn:40:4p, 40:5e	-0.04143	-0.017382	-0.017183	0.006732	0.056084	0.029726	-0.083407	-0.056984	-0.011959	-0.050934
160	780.6/196.1>GPEtn:40:3p, 40:4e	-0.002433	-0.042528	-0.033855	0.027789	0.024888	-0.024957	-0.03365	-0.065454	-0.018743	0.016346
161	784.6/196.1>GPEtn:40:1p, 40:2e	-0.000706	-0.068301	-0.085359	0.071013	-0.01553	0.035658	-0.040788	-0.024347	-0.020544	-0.040446
162	788.8/196.1>GPEtn:22:4/18:3	-0.020488	-0.010579	-0.118012	0.063746	-0.032722	0.018029	-0.073891	0.037982	-0.02204	-0.045992
163	790.8/196.1>GPEtn:22:4/18:2	-0.007692	0.023673	-0.132567	0.057756	-0.023583	0.015421	-0.105565	-0.023931	-0.014543	-0.006126
164	792.6/196.1>GPEtn:40:5a	0.012352	0.057564	-0.019572	-0.035409	-0.03084	0.076536	-0.077179	-0.024271	-0.051479	0.043563

	A	B	C	D	E	F	G	H	I	J	K
165	794.6/196.1>GPEtn:40:4a	0.023632	0.00047	-0.093829	0.002491	0.033858	0.064321	-0.071914	-0.033977	-0.025098	0.034866
166	796.8/196.1>GPEtn:40:3a	0.004724	-0.03411	0.046623	-0.077236	-0.009076	0.036982	0.0022	-0.033917	-0.037324	0.006183
167	798.6/196.1>GPEtn:40:2a	-0.015899	-0.088991	-0.107581	0.042079	-0.0069	0.014571	-0.01777	-0.006686	-0.00361	0.053042
168	569.4/241.1>GPIns:Lyso 16:1	0.005691	-0.002609	0.048055	0.108524	-0.004069	0.10043	-0.090057	0.050485	0.066147	-0.059793
169	571.3/241.1>GPIns:Lyso 16:0	-0.00654	-0.114989	-0.008757	0.05048	0.021924	-0.00552	0.031334	-0.025679	0.118307	-0.044851
170	595.4/241.1>GPIns:Lyso 18:2	-0.001679	-0.09318	0.00615	0.03574	0.032658	-0.035652	0.079262	-0.035539	0.133749	-0.074269
171	597.4/241.1>GPIns:Lyso 18:1	0.000717	-0.098935	-0.008108	0.096938	0.00737	0.004974	0.042012	-0.00635	0.101186	-0.070285
172	599.4/241.1>GPIns:Lyso 18:0	-0.043449	-0.096164	0.006418	0.066658	0.030564	0.087123	-0.039445	-0.021416	-0.04762	-0.027156
173	619.5/241.1>GPIns:Lyso 20:4	-0.022577	0.062609	0.006684	0.138054	0.05399	0.038713	-0.069492	0.030971	-0.004957	-0.02052
174	621.5/241.1>GPIns:Lyso 20:3	0.007079	0.048	0.003328	0.126189	-0.029134	0.07296	-0.034534	0.080597	0.029925	0.026019
175	623.5/241.1>GPIns:Lyso 20:2	-0.007281	-0.029491	-0.047023	0.112011	-0.011159	0.072904	0.013095	0.055725	-0.04913	-0.024717
176	625.5/241.1>GPIns:Lyso 20:1	-0.005786	-0.123548	-0.04109	0.036235	0.003729	0.036055	-0.004658	-0.024228	-0.042881	0.019871
177	627.5/241.1>GPIns:Lyso 20:0	-0.003214	-0.058599	0.101788	0.030847	0.049016	0.04451	0.017524	-0.017329	-0.015801	-0.016417
178	679.5/241.1>GPIns:Lyso 24:2	0.056996	-0.086644	0.010374	0.040215	0.079336	-0.057694	-0.025929	-0.045465	0.053391	-0.013045
179	835.7/241.1>GPIns:34:1	0.077005	-0.074051	0.041124	-0.009189	0.067922	-0.052187	-0.000696	-0.031136	0.083654	-0.006183
180	857.7/241.1>GPIns:36:4	0.080572	-0.06006	0.047252	-0.008094	0.071186	-0.061142	-0.000926	-0.01976	0.090491	0.000751
181	859.8/241.1>GPIns:36:3	0.072302	-0.07602	0.047642	-0.017482	0.061023	-0.064147	0.025576	-0.025008	0.090429	-0.004982
182	861.8/241.1>GPIns:36:2	0.082727	-0.062041	0.03581	-0.022113	0.07497	-0.038109	0.028087	-0.048102	0.053414	-0.016691
183	863.7/241.1>GPIns:36:1	0.083189	-0.066432	0.036195	0.005867	0.042271	-0.003847	0.016039	-0.041972	0.03903	-0.013846
184	865.8/241.1>GPIns:36:0	0.065671	-0.087083	0.003756	0.048973	0.027836	-0.007256	-0.049115	0.018876	0.003167	0.010049
185	873.8/241.1>GPIns:37:3	0.066631	-0.027827	0.072841	0.0332	0.009919	0.086372	-0.024594	0.025541	0.019418	0.050255
186	883.8/241.1>GPIns:38:5	0.050139	-0.020423	0.089897	0.00908	-0.001161	0.081096	-0.005027	0.034063	-0.052217	0.06982
187	885.8/241.1>GPIns:38:4	0.072274	0.078675	0.008807	0.045357	0.050363	0.023782	-0.072001	-0.023816	-0.041761	0.018736
188	887.8/241.1>GPIns:38:3	0.072377	0.067785	0.013296	0.048464	0.002906	0.051694	-0.049978	0.029751	-0.023551	0.044971
189	889.8/241.1>GPIns:38:2	0.078126	-0.020754	-0.000074	0.061042	0.018525	0.019533	-0.00608	0.070187	-0.025228	0.038956
190	891.8/241.1>GPIns:38:1	0.008453	-0.122925	-0.063806	-0.028512	0.033981	-0.000809	0.010687	-0.041913	0.042887	0.077149
191	893.8/241.1>GPIns:38:0	-0.000089	-0.105082	-0.09351	-0.000936	0.034241	-0.026268	-0.015735	-0.042213	0.085692	0.054784
192	909.8/241.1>GPIns:40:6	0.035701	0.086899	0.00844	0.084025	0.042228	0.019185	-0.053003	-0.096606	0.030824	-0.003161
193	911.8/241.1>GPIns:40:5	0.058632	0.088916	0.025351	0.067845	0.033602	0.054252	-0.054246	-0.057244	0.007026	0.006947
194	913.8/241.1>GPIns:40:4	0.064306	-0.005091	0.045356	0.039569	0.019225	0.109479	-0.071708	0.017276	-0.041135	0.084563
195	915.8/241.1>GPIns:40:3	0.03206	-0.087163	0.02962	-0.071651	0.024926	0.038269	-0.033573	0.008479	-0.090649	0.099909
196	917.8/241.1>GPIns:40:2	0.039019	-0.114853	0.042743	-0.02576	0.043447	0.006927	0.011395	0.013432	-0.023375	0.089913
197	919.8/241.1>GPIns:40:1	-0.001128	-0.121667	-0.060663	-0.017058	0.036356	0.009346	0.012027	-0.03119	0.050038	0.064834
198	963.9/241.1>GPInsP: 38:5	-0.029028	-0.077994	0.013054	-0.059181	0.001377	0.106067	-0.013351	-0.042198	-0.094853	-0.001856
199	963.9/321.1>GPInsP: 38:5	-0.019557	-0.056263	-0.065638	0.046913	0.034562	0.040672	-0.058994	0.016854	-0.097463	-0.026454
200	965.9/241.1>GPInsP: 38:4	-0.026079	-0.072007	0.066459	-0.041668	-0.020127	0.076952	-0.010088	-0.074775	-0.119431	0.006507
201	965.9/321.1>GPInsP: 38:4	-0.036168	-0.022521	-0.066314	0.041128	-0.070518	0.010002	-0.058426	-0.050135	0.079501	0.036029
202	967.9/241.1>GPInsP: 38:3	-0.016991	-0.063442	0.057594	-0.062069	0.000398	0.099917	-0.009541	-0.046534	-0.100549	-0.014527
203	967.9/321.1>GPInsP: 38:3	-0.033722	-0.073837	0.03056	0.02021	0.027859	0.080559	-0.021446	-0.104458	0.055845	-0.058877
204	1045.9/241.1>GPInsP2: 38:4	-0.032455	-0.083373	-0.050409	0.011765	0.008161	0.030833	-0.018337	-0.022842	-0.026804	0.028536
205	1045.9/321.1>GPInsP2: 38:4	-0.015299	0.012476	0.031949	0.010473	0.027142	0.033378	-0.048625	0.00361	-0.0694	0.061239

	A	B	C	D	E	F	G	H	I	J	K
206	1045.9/401.1>GPInsP2: 38:4	-0.042761	-0.00529	0.033538	0.000496	0.021735	0.021228	0.052067	-0.0312	0.020905	0.038444
207	1047.9/321.1>GPInsP2: 38:3	-0.026117	-0.006704	0.039858	0.011429	0.050742	0.028666	-0.011795	-0.049146	-0.061623	-0.068444
208	1047.9/401.1>GPInsP2: 38:3	-0.037761	-0.020492	0.042456	-0.034145	0.010017	0.057065	0.033871	-0.121058	0.027685	0.020651
209	1047.9/241.1>GPInsP2: 38:3	0.012455	-0.038994	0.07315	0.006999	0.012219	0.082442	-0.007033	-0.03373	-0.066529	-0.030933
210	1125.9/241.1>GPInsP3: 38:4	-0.005413	-0.059839	-0.008791	-0.006041	0.024033	0.060861	-0.044803	0.000974	0.046819	-0.018649
211	1125.9/321.1>GPInsP3: 38:4	-0.00635	-0.069047	-0.092383	0.070708	0.01372	-0.019139	-0.014139	-0.018149	0.001743	-0.051473
212	1125.9/401.1>GPInsP3: 38:4	0.012136	-0.024386	0.045614	-0.020987	-0.007407	-0.010389	0.02524	-0.055349	-0.059931	0.071279
213	1125.9/481.1>GPInsP3: 38:4	0.018492	-0.007865	0.042138	-0.017033	0.045291	-0.037292	-0.052933	0.07559	-0.045487	0.104078
214	835.7/281.1>GPIns:34:1	0.080851	-0.079852	0.021475	0.011285	0.059856	-0.068013	-0.020571	-0.004856	0.050809	-0.010966
215	821.8/241.1>GPIns: 34:1	0.053186	-0.071114	0.063016	0.009654	0.043929	-0.028999	0.036187	-0.017456	0.067714	0.037515
216	494.4/184.1>GPCho:Lyso 16:1	-0.005795	-0.016357	0.054908	0.053132	-0.091378	0.116537	-0.050696	0.103012	0.081978	-0.020233
217	496.4/184.1>GPCho:Lyso 16:0	-0.048509	-0.031182	0.048053	0.018781	-0.05267	0.12526	-0.061686	-0.003704	-0.086254	0.056238
218	520.4/184.1>GPCho:Lyso 18:2	-0.060352	0.014174	-0.031047	0.09692	-0.037882	0.048037	0.11773	0.062813	0.046749	-0.109061
219	522.4/184.1>GPCho:Lyso 18:1	-0.066258	-0.005735	0.034078	0.030452	-0.072012	0.087377	-0.01696	0.082058	0.09602	-0.044855
220	524.4/184.1>GPCho:Lyso 18:0	-0.041353	-0.043906	0.011382	0.045684	-0.080347	0.129634	0.030623	0.00678	0.056096	0.130175
221	544.4/184.1>GPCho:Lyso 20:4	-0.04198	0.103403	-0.005946	0.087444	0.041073	0.011495	-0.053374	-0.00154	0.024918	0.046553
222	568.4/184.1>GPCho:Lyso 22:6	-0.041727	0.092639	-0.002116	0.098961	0.034234	0.000945	-0.013906	-0.038307	0.04375	0.022119
223	570.4/184.1>GPCho:Lyso 22:5	-0.025671	0.101408	0.00164	0.106563	0.010895	0.026774	-0.001123	-0.004564	0.06595	0.036317
224	678.5/184.1>GPCho:28:0	-0.028584	-0.098419	0.041228	0.00057	-0.057535	0.087313	0.000809	-0.004889	-0.020455	0.071131
225	678.5/184.1>GPCho:28:0a	-0.034523	-0.093865	0.034929	0.010307	-0.060213	0.087337	-0.000018	-0.016379	-0.007507	0.076963
226	704.6/184.1>GPCho:30:1a	-0.10192	0.010698	-0.003209	-0.048243	0.041671	-0.050725	0.014543	-0.018338	-0.058585	-0.026207
227	706.6/184.1>GPCho:30:0a	-0.087359	0.009767	-0.000924	-0.027691	0.022165	-0.007593	-0.019638	-0.009513	-0.014133	0.016422
228	718.6/184.1>GPCho:32:0p, 32:1e	-0.067843	-0.065777	0.006874	0.027866	-0.018833	-0.010551	0.06337	-0.095896	-0.044692	-0.010116
229	730.8/184.1>GPCho:32:2	-0.07635	-0.009558	0.000637	-0.005263	0.019405	-0.029863	-0.038261	0.016669	-0.025104	-0.065593
230	732.6/184.1>GPCho:32:1a	-0.029325	-0.030554	0.024848	-0.064754	-0.013288	0.042906	-0.159253	0.071117	0.094718	-0.052876
231	734.6/184.1>GPCho:32:0a	0.000684	-0.030006	0.025725	-0.12331	0.013337	-0.009917	-0.106763	-0.086105	-0.008802	-0.057042
232	742.6/184.1>GPCho:34:2p, 34:3e	-0.020246	-0.089869	0.064312	0.023449	-0.065453	0.010869	0.089223	-0.01293	-0.066809	0.024024
233	744.6/184.1>GPCho:34:1p, 34:2e	0.028072	-0.002187	0.016777	0.083407	-0.0475	-0.010582	0.17775	0.027789	-0.030956	-0.03958
234	746.6/184.1>GPCho:34:0p, 34:1e	0.003469	-0.064832	0.063424	-0.008267	-0.032195	-0.034503	0.068794	-0.027396	-0.034966	-0.049383
235	748.6/184.1>GPCho:34:0e	-0.016793	-0.092704	0.023249	-0.031127	-0.033206	-0.02449	0.05935	-0.067999	-0.050944	-0.001668
236	756.6/184.1>GPCho:34:3a	0.012385	-0.12025	0.044316	-0.035952	-0.037836	0.031711	0.0364	0.056381	-0.025816	-0.00428
237	758.7/184.1>GPCho:34:2a	0.086272	-0.035641	-0.012222	-0.025642	-0.008187	-0.046123	0.062962	0.023671	-0.014691	-0.10843
238	760.6/184.1>GPCho:34:1a	0.066533	-0.037267	0.048426	-0.079759	-0.035272	0.022149	-0.107832	0.027587	0.06492	-0.05688
239	762.6/184.1>GPCho:34:0a	0.056514	-0.024788	0.051318	-0.083963	-0.042533	0.049531	-0.117837	0.007188	0.062786	-0.045906
240	768.6/184.1>GPCho:36:3p, 36:4e	0.032528	0.087727	0.029009	0.091025	0.012152	-0.048969	0.024311	-0.057418	-0.027432	0.063808
241	770.6/184.1>GPCho:36:2p, 36:3e	0.035623	0.01459	0.047115	0.100078	-0.045498	-0.035729	0.146087	0.019147	-0.030509	0.040849
242	772.6/184.1>GPCho:36:1p, 36:2e	0.025754	-0.102046	0.02804	0.019113	-0.038052	0.011928	0.123692	-0.029729	-0.048124	-0.031253
243	774.6/184.1>GPCho:36:0p, 36:1e	0.011153	-0.094705	0.030156	0.048482	-0.05475	0.031121	0.062977	-0.057145	-0.028695	0.046557
244	782.6/184.1>GPCho:36:4a	0.067495	0.096807	-0.006861	0.012034	0.032179	-0.022187	-0.078996	-0.048847	-0.009936	0.036592
245	784.6/184.1>GPCho:36:3a	0.088945	0.048543	0.006732	0.052629	-0.049067	0.043749	0.002847	0.042517	0.040309	0.069957
246	786.6/184.1>GPCho:36:2a	0.078517	-0.033837	-0.022561	0.047682	-0.040023	0.033502	0.107156	0.032527	0.07634	0.001723

	A	B	C	D	E	F	G	H	I	J	K
247	788.6/184.1>GPCho:36:1a	0.034885	-0.109774	-0.002163	-0.017497	-0.048221	0.080703	0.018132	0.074716	0.060122	0.080084
248	790.8/184.1>GPCho:36:0	0.020303	-0.111787	0.022599	-0.019002	-0.057991	0.075748	0.001885	0.060812	0.048906	0.11137
249	792.6/184.1>GPCho:38:5p, 38:6e	0.008351	0.057642	0.047608	0.092898	-0.007852	-0.015746	0.038707	-0.109495	-0.005171	0.071093
250	794.6/184.1>GPCho:38:4p, 38:5e	0.027833	0.090974	0.031767	0.090063	0.03876	-0.071289	0.025686	-0.049751	-0.02214	0.028808
251	796.6/184.1>GPCho:38:3p, 38:4e	0.03397	0.076821	0.044191	0.076359	0.021994	-0.070364	0.028575	-0.065527	-0.050462	0.078749
252	798.6/184.1>GPCho:38:2p, 38:3e	0.049116	-0.056102	0.075475	0.032838	-0.006309	-0.009921	0.009593	-0.069722	-0.114886	0.112124
253	800.6/184.1>GPCho:38:1p, 38:2e	-0.037031	-0.090172	0.043776	0.037444	-0.030657	-0.006731	0.105679	-0.055439	-0.07843	0.021915
254	808.6/184.1>GPCho:38:5a	0.059323	0.102063	0.002045	0.073172	0.009897	0.007705	-0.021404	-0.046226	0.045091	0.081339
255	810.6/184.1>GPCho:38:4a	0.071279	0.089701	-0.008048	0.040233	0.022309	0.00248	-0.046829	-0.040764	0.035134	0.106113
256	812.6/184.1>GPCho:38:3a	0.040752	0.042488	0.01149	0.037184	-0.012103	0.056388	-0.050787	0.008779	0.034757	0.211919
257	814.6/184.1>GPCho:38:2a	-0.101215	-0.02696	0.005051	-0.048896	0.059851	-0.021255	-0.020352	-0.029672	-0.042583	0.050552
258	816.6/184.1>GPCho:38:1a	-0.05705	-0.095747	-0.023054	-0.004616	0.013234	0.014425	0.064777	0.02605	-0.06046	0.145845
259	820.6/184.1>GPCho:40:5p, 40:6e	0.023947	0.078142	0.021214	0.097958	0.024527	-0.027127	0.033937	-0.111574	-0.004866	0.048983
260	822.6/184.1>GPCho:40:4p, 40:5e	0.044762	-0.005182	0.050869	0.044365	0.05637	-0.034361	-0.013686	-0.134507	-0.088897	0.081665
261	824.6/184.1>GPCho:40:3p, 40:4e	0.052974	-0.046883	0.068826	0.014327	0.036215	-0.033089	-0.017867	-0.083761	-0.105818	0.11952
262	826.6/184.1>GPCho:40:2p, 40:3e	0.010001	-0.12956	0.044847	-0.040108	-0.001773	0.026732	-0.007872	-0.025733	-0.085101	0.016391
263	828.6/184.1>GPCho:40:1p, 40:2e	-0.015141	-0.132902	0.032242	-0.029576	-0.012996	0.018583	0.007025	-0.040015	-0.06731	0.014214
264	834.6/184.1>GPCho:40:6a	0.040614	0.095	-0.004745	0.079754	0.005645	0.014455	-0.025571	-0.093364	0.060107	0.060799
265	836.6/184.1>GPCho:40:5a	0.068856	0.042146	-0.000522	0.040172	0.009759	0.058588	-0.046164	-0.081015	-0.004006	0.1548
266	838.6/184.1>GPCho:40:4a	0.077603	-0.026438	0.022522	-0.004386	-0.006712	0.066404	-0.06019	0.003269	-0.044381	0.200587
267	701.5/184.1>SM:18/16:1	-0.089848	0.002181	0.002716	-0.016799	0.022837	-0.030978	0.027065	-0.00854	-0.057702	-0.071381
268	703.5/184.1>SM:18/16:0	-0.105221	0.004473	-0.0134	-0.036002	0.049374	-0.04447	0.005814	-0.020747	-0.056549	-0.033373
269	703.8/184.4>SM:d18:1/16:0	-0.103167	0.012292	-0.000974	-0.043748	0.048261	-0.068015	0.016252	-0.011723	-0.059058	-0.009879
270	705.8/184.4>SM: d18:0 / 16:0	-0.10111	0.019274	-0.015837	-0.041166	0.051	-0.048808	-0.005407	-0.018521	-0.050686	-0.007906
271	727.6/184.1>SM:18/18:2	-0.05848	-0.061412	-0.047297	0.003062	0.012162	-0.037409	0.054503	0.014715	-0.08799	-0.061328
272	729.6/184.1>SM:18/18:1	-0.082035	-0.011438	-0.015516	-0.027227	0.037531	-0.040702	-0.042407	-0.0276	-0.036516	-0.075854
273	731.6/184.1>SM:18/18:0	-0.088671	-0.010116	-0.031646	-0.06492	0.057198	-0.030793	-0.082206	-0.032731	-0.013565	-0.038131
274	731.8/184.4>SM: d18:1 / 18:0	-0.089501	-0.007174	-0.024596	-0.069701	0.056663	-0.038676	-0.078685	-0.030703	-0.015452	-0.031022
275	733.8/184.4>SM: d18:0 / 18:0	-0.048642	-0.025332	-0.013933	-0.065977	0.021671	0.019558	-0.166252	0.035629	0.055576	-0.023618
276	757.6/184.1>SM:18/20:1	-0.016991	-0.117175	0.036875	-0.024353	-0.036201	0.008701	0.049008	0.056958	-0.041343	-0.026955
277	759.6/184.1>SM:18/20:0	0.089742	-0.003793	-0.028993	-0.014657	-0.008988	-0.034712	0.071292	0.02206	-0.051126	-0.141294
278	759.8/184.4>SM: d18:1 / 20:0	0.085843	0.002176	-0.026012	-0.018627	-0.021856	-0.043389	0.071158	0.023403	-0.05513	-0.135114
279	761.8/184.4>SM: d18:0 / 20:0	0.060668	-0.017256	0.058344	-0.077215	-0.054004	0.029398	-0.119415	0.025738	0.058429	-0.05184
280	773.6/184.1>SM:18/21:0	-0.032084	-0.045648	-0.016927	0.052526	-0.05981	0.018418	0.154423	-0.031955	-0.050753	0.02903
281	787.6/184.1>SM:18/22:0	0.021598	-0.037127	-0.052645	0.063258	-0.052025	0.047722	0.149756	0.048275	0.071647	0.049915
282	787.9/184.4>SM: d18:1 / 22:0	-0.002484	-0.032344	-0.063978	0.060078	-0.055733	0.022289	0.15537	0.048622	0.051344	0.100949
283	789.9/184.4>SM: d18:0 / 22:0	0.028444	-0.097828	0.009246	-0.013179	-0.068929	0.070087	-0.00716	0.092682	0.067136	0.114144
284	813.6/184.1>SM:18/24:1	-0.107755	0.001391	-0.005732	-0.035175	0.057598	-0.034166	-0.021359	-0.034773	-0.027296	0.032511
285	813.9/184.4>SM: d18:1 / 24:1	-0.105613	0.00315	-0.00194	-0.037619	0.045735	-0.048089	-0.018551	-0.044849	-0.03301	0.031363
286	815.6/184.1>SM:18/24:0	-0.093163	0.00752	-0.018626	0.011499	0.034274	-0.017384	0.069419	0.004054	-0.042508	0.119719
287	815.9/184.4>SM: d18:0 / 24:1	-0.08677	-0.001985	-0.048429	0.019049	0.023715	-0.035214	0.058698	0.011744	-0.050553	0.129608

	A	B	C	D	E	F	G	H	I	J	K
288	817.9/184.4>SM: d18:0 / 24:0	-0.006997	-0.113491	-0.025628	0.024044	-0.004947	0.002876	0.038844	0.045192	-0.092539	0.128288
289	841.9/184.4>SM: d18:1 / 26:1	-0.007211	-0.12501	-0.00499	-0.05424	-0.000959	0.04198	-0.022305	-0.013866	-0.099513	0.069307
290	843.9/184.4>SM: d18:0 / 26:1	0.06532	-0.06494	0.025238	0.041842	0.019385	0.00848	-0.068973	-0.01133	-0.088713	-0.001669
291	843.9/184.4>SM: d18:1 / 26:0	0.065454	-0.064564	0.025197	0.042653	0.01994	0.008708	-0.069316	-0.010785	-0.090238	-0.000209
292	845.9/184.4>SM: d18:0 / 26:0	0.068076	-0.052995	0.045274	0.043158	0.013142	0.011058	-0.089395	-0.009437	-0.072677	-0.01572
293	538.7/264.4>Cer: d18:1 / 16:0	-0.081016	-0.010525	0.0435	0.044477	0.089691	-0.013367	-0.044382	-0.00268	0.013564	-0.050076
294	540.7/266.4>Cer: d18:0 / 16:0	-0.112485	-0.000564	-0.014432	0.002156	0.061077	-0.020032	-0.025314	0.00438	0.018586	-0.017536
295	566.7/264.4>Cer: d18:1 / 18:0	-0.089215	-0.025665	-0.011344	-0.031944	0.075444	-0.011666	-0.0892	-0.025136	0.034673	-0.048529
296	568.7/266.4>Cer: d18:0 / 18:0	-0.094687	-0.004748	-0.017403	-0.046974	0.063428	-0.012101	-0.05485	-0.01445	0.027952	0.029321
297	594.7/264.4>Cer: d18:1 / 20:0	-0.099301	-0.02082	-0.005265	-0.034713	0.051093	-0.000802	-0.062113	-0.020425	0.045725	-0.027313
298	596.7/266.4>Cer: d18:0 / 20:0	-0.081588	-0.005223	0.051759	0.023963	0.071202	-0.006757	0.005869	0.051774	0.07422	0.040393
299	622.8/264.4>Cer: d18:1 / 22:0	-0.107359	-0.00684	-0.00577	-0.006929	0.026546	0.011512	-0.01012	-0.00928	0.078934	0.00713
300	624.8/266.4>Cer: d18:0 / 22:0	0.005601	-0.054356	0.02156	0.011075	0.073113	-0.107223	-0.018159	0.017867	0.138786	0.009036
301	648.9/264.4>Cer: d18:1 / 24:1	-0.105272	-0.013146	0.017687	-0.017929	0.057117	-0.008987	-0.050342	-0.020318	0.041278	-0.028525
302	650.9/266.4>Cer: d18:0 / 24:1	-0.11178	0.005341	-0.011021	-0.027064	0.031315	0.018727	-0.046266	-0.022087	0.04713	0.002543
303	650.9/264.4>Cer: d18:1 / 24:0	-0.096524	0.030924	-0.015339	-0.00021	-0.012711	0.015442	0.056123	0.001602	0.029288	0.069864
304	652.9/266.4>Cer: d18:0 / 24:0	-0.0979	0.031959	-0.018338	0.010057	-0.018645	0.022537	0.038292	0.004512	0.041248	0.077308
305	676.9/264.4>Cer: d18:1 / 26:1	-0.094591	-0.007914	0.030002	-0.044384	0.042528	0.011061	-0.037918	-0.053122	-0.015123	-0.007082
306	678.9/266.4>Cer: d18:0 / 26:1	-0.063488	-0.041391	0.023797	0.01491	0.03028	0.038374	-0.045161	-0.013405	0.054411	-0.032798
307	678.9/264.4>Cer: d18:1 / 26:0	-0.039672	-0.043235	0.041707	0.065748	-0.028546	0.02705	0.046157	-0.017714	0.01747	-0.046229
308	680.9/266.4>Cer: d18:0 / 26:0	-0.007076	-0.062418	0.006679	0.051488	0.019419	-0.026283	-0.022358	-0.036038	0.038794	-0.064387
309	700.7/264.4>MonoHexCer: d18:1 / 16:0	-0.112008	0.009775	-0.025024	-0.032283	0.019932	-0.024793	0.019286	0.00942	0.00843	0.010868
310	702.7/266.4>MonoHexCer: d18:0 / 16:0	-0.101652	-0.0035	0.014003	-0.052051	0.021878	0.023011	0.029614	-0.022705	0.010232	0.042833
311	728.7/264.4>MonoHexCer: d18:1 / 18:0	-0.11268	0.011339	-0.004475	-0.01753	0.035311	-0.020173	-0.003757	0.019504	0.00322	0.000046
312	730.7/266.4>MonoHexCer: d18:0 / 18:0	-0.064829	-0.049433	-0.068011	-0.000205	-0.021072	0.007282	0.014183	-0.031964	0.039015	0.050009
313	756.7/264.4>MonoHexCer: d18:1 / 20:0	-0.111871	0.021529	-0.006646	-0.019463	0.002738	-0.020212	0.020009	0.014998	0.024961	0.035352
314	758.7/266.4>MonoHexCer: d18:0 / 20:0	-0.074925	-0.027204	-0.007913	-0.017198	-0.052128	0.017976	0.045622	0.0229	0.030301	0.018782
315	784.8/264.4>MonoHexCer: d18:1 / 22:0	-0.105203	0.015772	-0.031269	-0.004289	0.020606	-0.015912	0.069754	0.033202	-0.002453	0.05733
316	786.8/266.4>MonoHexCer: d18:0 / 22:0	-0.064289	-0.06386	-0.037273	-0.004763	-0.00237	-0.022515	0.036404	-0.00914	-0.01623	-0.022777
317	810.9/264.4>MonoHexCer: d18:1 / 24:1	-0.106991	0.016607	-0.017266	-0.014919	0.044607	-0.030925	0.009093	0.015308	0.004225	0.021383
318	812.9/266.4>MonoHexCer: d18:0 / 24:1	-0.096559	0.033608	0.005667	-0.018894	0.036743	-0.023477	0.043847	0.010492	-0.002766	0.000474
319	812.9/264.4>MonoHexCer: d18:1 / 24:0	-0.102008	0.016485	-0.035639	0.011794	0.035872	-0.011865	0.063975	0.029624	0.000328	0.067694
320	814.9/266.4>MonoHexCer: d18:0 / 24:0	-0.099983	0.003935	-0.049061	0.009426	0.040071	0.007889	0.034255	0.031468	0.021017	0.062764
321	838.9/264.4>MonoHexCer: d18:1 / 26:1	-0.102111	-0.001734	-0.026483	0.029993	0.005824	-0.016945	0.012547	-0.023989	0.031495	-0.023884
322	840.9/266.4>MonoHexCer: d18:0 / 26:1	-0.041806	-0.033011	-0.033784	-0.002945	-0.019284	0.017952	-0.001866	0.039045	0.083205	-0.020896
323	840.9/264.4>MonoHexCer: d18:1 / 26:0	-0.096049	0.000741	0.026923	-0.022177	-0.019367	0.003254	0.01334	0.007626	0.036832	-0.037079
324	842.9/266.4>MonoHexCer: d18:0 / 26:0	-0.047144	-0.066416	-0.100332	-0.00996	-0.013143	0.010247	-0.045386	-0.050684	0.063429	0.040054
325	862.7/264.4>DiHexCer: d18:1 / 16:0	-0.107527	0.012342	-0.024305	-0.023702	0.036937	-0.031428	0.016616	0.02813	-0.009797	0.052736
326	864.7/266.4>DiHexCer: d18:0 / 16:0	-0.094513	0.007059	-0.010365	-0.014959	0.03917	-0.039561	0.010417	0.019568	0.018782	0.077485
327	890.7/264.4>DiHexCer: d18:1 / 18:0	-0.11493	0.003269	-0.028963	-0.01662	0.025012	-0.006018	0.006738	0.008245	0.017552	0.025609
328	892.7/266.4>DiHexCer: d18:0 / 18:0	-0.059357	-0.02586	0.028377	-0.018225	0.039848	-0.013563	0.033087	-0.010374	0.087077	0.0352

	A	B	C	D	E	F	G	H	I	J	K
329	918.7/264.4>DiHexCer: d18:1 / 20:0	-0.112016	0.024726	-0.013977	-0.00528	-0.000369	-0.006728	0.000889	0.00523	0.029157	0.025759
330	920.7/266.4>DiHexCer: d18:0 / 20:0	0.009265	-0.046859	-0.068153	0.024459	0.030085	-0.060962	-0.004424	-0.022557	0.125026	0.059924
331	946.8/264.4>DiHexCer: d18:1 / 22:0	-0.109722	0.008637	-0.033221	0.006162	0.024736	-0.010614	0.042134	0.046191	0.001941	0.055494
332	948.8/266.4>DiHexCer: d18:0 / 22:0	-0.011444	-0.019112	-0.012358	-0.015384	0.030834	-0.08189	0.031404	0.020608	0.120842	0.063106
333	972.9/264.4>DiHexCer: d18:1 / 24:1	-0.109056	0.011909	-0.017663	-0.013614	0.040719	-0.023242	0.004811	0.038258	-0.005116	0.043349
334	974.9/266.4>DiHexCer: d18:0 / 24:1	-0.089705	0.017069	-0.021334	-0.010862	0.051061	0.001758	0.004795	0.044162	-0.034613	0.051217
335	974.9/264.4>DiHexCer: d18:1 / 24:0	-0.108153	0.016433	-0.023225	0.002779	0.021313	-0.012301	0.04733	0.04248	-0.005092	0.062686
336	976.9/266.4>DiHexCer: d18:0 / 24:0	-0.099182	-0.019931	-0.051806	-0.0043	0.028215	0.033159	0.003167	0.032785	0.083085	0.002845
337	1000.9/264.4>DiHexCer: d18:1 / 26:1	-0.082127	-0.067	-0.012875	0.037777	0.017597	0.004952	-0.022668	-0.037941	0.045362	0.003632
338	1002.9/266.4>DiHexCer: d18:0 / 26:1	-0.05587	0.003063	0.051329	-0.049613	0.004006	0.068315	-0.032402	-0.005886	0.067684	0.006934
339	1002.9/264.4>DiHexCer: d18:1 / 26:0	-0.082571	-0.044316	0.083001	0.012823	0.024042	0.015701	-0.010005	-0.027026	-0.000071	-0.034297
340	1004.9/266.4>DiHexCer: d18:0 / 26:0	0.003676	-0.015741	0.041908	-0.024183	0.01341	0.015879	-0.052165	-0.10076	0.08486	0.015338

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1	0.003308	-0.002547	-0.000245	-0.045864	-0.039148	0.015397	0.023182	-0.02994	-0.009594	-0.033865	0.038044	-0.023224	-0.012023	-0.011814
2	-0.017174	0.009017	0.03653	-0.047416	-0.039431	0.003237	0.025664	0.012168	0.007093	-0.006893	-0.023417	-0.025518	-0.037855	0.007129
3	-0.042881	0.020851	-0.006094	-0.013522	-0.01499	0.019489	-0.014257	0.034317	-0.042837	0.010513	0.004933	-0.052769	0.003813	-0.034184
4	0.014622	0.015145	0.033357	-0.003942	-0.090206	0.00736	0.010926	-0.101813	-0.009655	-0.032179	0.011928	0.007851	0.036622	0.029081
5	-0.060231	0.085379	0.07655	-0.03839	0.074284	-0.001642	0.029776	0.073005	0.024989	0.051167	-0.028836	-0.017129	0.04343	0.022396
6	0.032693	-0.023152	0.058503	0.023848	-0.113688	-0.03482	0.049725	0.032073	-0.098307	0.050211	0.059924	-0.119045	-0.105522	0.041872
7	-0.000946	0.008336	0.026256	0.092305	-0.081848	-0.039156	0.043075	0.141695	0.007783	0.060593	0.011785	-0.114688	-0.021909	-0.013845
8	0.015046	0.056726	-0.016366	-0.052085	-0.095767	0.006883	0.059031	0.099337	0.126651	0.024796	-0.033839	-0.060542	0.211893	0.005163
9	0.04308	0.080413	0.047881	-0.012462	-0.017033	0.010319	-0.017326	-0.077634	0.023722	-0.004736	0.031624	0.012482	0.02895	0.020689
10	-0.060689	0.040633	0.02881	0.008355	-0.050685	-0.049266	0.067202	0.075555	0.088087	0.042362	0.093365	-0.029775	0.004669	0.034654
11	-0.078203	0.125106	-0.014687	-0.06268	0.038569	-0.112268	-0.059175	0.035644	-0.002634	0.051332	0.005161	-0.147368	-0.11236	0.08078
12	0.06629	-0.096071	-0.000105	-0.031152	0.019182	0.051847	0.129659	0.223234	-0.106103	0.021089	-0.033977	0.205273	0.048401	0.022055
13	0.017485	0.081878	0.036794	0.10099	-0.047726	-0.088858	-0.006914	0.044464	0.040196	0.00422	0.002245	0.003606	-0.013486	0.033594
14	0.017979	0.086512	0.031937	0.095533	-0.060846	-0.097134	0.036216	0.051185	0.016495	-0.036025	-0.004438	0.006091	-0.031079	0.060278
15	-0.002737	0.006442	0.026742	-0.045852	0.008673	0.02537	0.020723	-0.030536	0.012416	-0.002456	0.0375	-0.014215	-0.04501	0.000939
16	0.107871	0.102279	0.070995	-0.10798	0.036714	-0.138884	-0.070834	0.045317	-0.041635	-0.171093	0.017936	-0.023604	-0.02811	0.036118
17	0.005446	0.027761	0.000261	-0.028609	0.005579	0.032463	0.017211	-0.01369	-0.006549	-0.030267	-0.083211	-0.004329	-0.039143	0.109518
18	-0.007093	0.033824	0.00515	-0.044609	0.083026	-0.012931	-0.048778	0.053336	-0.123124	-0.114258	-0.063334	-0.012668	0.041316	-0.03936
19	0.078021	0.054144	-0.08041	-0.039264	0.018281	-0.026898	-0.013635	-0.026317	-0.020085	0.003626	0.026584	-0.075554	0.012031	-0.063392
20	0.039065	0.000607	0.039046	0.023436	0.052145	-0.010584	0.017516	-0.012355	0.035693	0.031124	-0.009936	-0.010861	-0.010795	0.003198
21	0.015722	0.025598	0.015722	-0.026026	-0.070326	-0.0123	0.016366	-0.020489	-0.049519	0.044219	0.03157	-0.006464	0.011802	0.02226
22	0.012327	0.011967	0.009074	-0.010817	0.014924	0.013214	0.063079	-0.085584	0.002391	0.044474	-0.000573	-0.007706	-0.159758	0.046317
23	0.041839	0.025381	0.044453	-0.035995	-0.066355	0.060013	-0.008616	0.009413	-0.126928	0.029337	0.044089	-0.072985	-0.148395	-0.061958
24	-0.000089	0.071841	-0.045536	-0.061079	0.002561	-0.022631	0.03339	-0.067744	-0.01955	0.048086	-0.014966	-0.034577	0.016912	-0.036131
25	0.056305	0.0691	0.001648	-0.003857	-0.008275	-0.045277	0.016151	0.002672	-0.025499	0.063119	0.045161	-0.068719	-0.0588	-0.078089
26	0.023613	-0.000763	0.020617	0.012379	0.066641	-0.010149	0.002873	-0.003946	0.02772	0.031104	-0.005749	-0.012125	-0.00819	-0.013005
27	0.035401	-0.027009	0.042343	0.006519	0.072629	0.006151	-0.005193	-0.007541	0.038386	0.029513	-0.013056	-0.007818	0.006682	0.007751
28	0.060086	0.02327	0.032898	0.006727	-0.059467	0.003497	0.017859	-0.05674	0.015923	-0.013102	0.025792	-0.025011	-0.009234	0.009669
29	0.022413	-0.017389	-0.023005	-0.031194	-0.014777	0.035674	0.048655	0.085831	-0.022275	0.081309	-0.048929	-0.046948	-0.092529	0.032255
30	-0.01465	-0.047887	-0.003856	0.03123	-0.063689	0.014348	-0.002887	-0.056908	0.026805	-0.031513	0.076314	-0.036866	0.068327	0.012971
31	0.028018	0.004869	0.055989	-0.023565	-0.042318	0.01935	-0.010525	0.021875	-0.036542	0.026651	-0.008213	0.021851	-0.021893	0.029953
32	0.123282	-0.007899	0.140569	-0.004687	0.01158	-0.052698	0.075854	-0.101376	-0.054635	-0.103275	-0.097689	-0.001782	-0.100511	-0.011694
33	-0.015278	-0.028588	-0.004606	-0.053081	0.144102	-0.066225	0.014665	-0.008538	-0.013358	0.057384	0.050338	-0.005316	-0.063036	0.014238
34	0.07753	-0.030242	-0.03082	0.074371	0.056984	-0.010306	0.018444	-0.022853	0.021447	-0.0168	-0.014323	0.012368	0.008014	0.023704
35	-0.104207	0.042612	0.013367	0.037786	0.054618	-0.077934	-0.00581	0.030691	-0.022732	-0.00554	0.101441	0.081474	0.024351	0.019595
36	-0.07358	0.057679	-0.032351	0.007542	0.045043	0.062737	0.024934	-0.067862	0.022896	-0.005023	-0.044631	-0.001653	-0.050971	0.007965
37	0.028742	-0.010463	0.008003	0.005519	0.02002	0.016912	0.014862	-0.059793	-0.006436	0.053059	-0.024665	-0.014359	-0.030917	0.05026
38	-0.030731	-0.053025	0.067837	0.003763	-0.020225	0.133939	0.001066	-0.035827	0.103361	0.136392	-0.040819	0.042525	0.178894	0.140018
39	-0.009473	-0.02129	-0.088437	0.012204	0.0061	0.008269	-0.039347	0.031317	0.054324	0.038876	-0.000175	0.038021	0.027478	-0.007861
40	0.054654	-0.058261	-0.069599	0.017075	0.051317	0.043654	0.050248	0.010226	-0.007945	-0.041251	-0.040549	0.019691	-0.00489	0.01862
41	0.09642	-0.03649	-0.078825	0.051992	0.048017	0.025377	0.012377	0.038071	0.007521	0.006488	-0.053838	-0.006316	0.015296	-0.033198

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
42	0.074808	0.006091	-0.105982	0.00796	0.051179	-0.031275	0.002318	-0.006734	-0.016524	0.020512	-0.039091	-0.049275	0.043679	-0.025206
43	0.064548	-0.042657	-0.079552	0.063795	0.01633	0.040755	0.02532	0.057423	-0.011243	-0.025691	-0.057959	0.011398	0.015011	-0.009269
44	0.037001	-0.031329	-0.036114	0.043786	0.03015	0.040426	0.052976	0.00095	-0.043113	0.02878	-0.050554	0.00436	0.02482	-0.035186
45	0.039805	-0.027577	-0.072903	0.070101	0.022451	-0.01397	0.052163	0.114592	0.017492	-0.006575	-0.070351	-0.006485	-0.013774	-0.071801
46	-0.008315	0.010683	-0.049706	0.001014	0.027971	-0.005667	0.010061	-0.046422	0.054045	-0.016671	-0.027708	-0.045578	-0.032743	-0.041332
47	-0.103018	-0.001198	-0.054415	-0.013364	-0.026457	0.035717	-0.053813	0.025727	-0.010189	-0.028158	0.02308	0.068273	-0.066942	-0.033349
48	-0.044841	-0.033593	-0.008296	0.024817	-0.025576	0.070173	-0.083334	0.045657	0.060313	-0.005708	0.029436	0.03841	0.00011	0.064239
49	-0.009426	-0.040931	-0.010076	0.056936	-0.076021	0.029376	-0.036694	-0.046189	0.033724	-0.050386	0.070951	-0.048343	0.099493	0.002574
50	0.072162	-0.005281	-0.055028	-0.019648	0.003709	-0.040555	0.005519	-0.036102	0.040195	0.001522	0.095643	-0.050163	-0.030476	-0.01734
51	-0.159249	-0.012333	-0.090223	-0.050252	0.066331	-0.030642	0.026773	0.024712	-0.00518	0.008237	0.04259	0.011431	-0.01065	-0.005217
52	0.105184	-0.066636	-0.084086	-0.067401	-0.013218	-0.005212	0.00244	-0.080005	0.112725	-0.015437	0.039451	0.029019	-0.040957	0.004658
53	-0.101473	-0.046866	-0.068374	-0.018699	0.058111	-0.044101	0.012929	0.005455	0.015517	-0.025329	0.022695	0.005983	0.041862	-0.074153
54	0.033327	0.014921	-0.118712	0.02033	0.015652	0.054817	-0.014636	-0.047357	0.035274	0.049464	0.018723	-0.056481	0.154308	-0.033034
55	-0.054947	-0.025515	-0.024461	-0.020419	-0.014491	-0.068953	0.01223	-0.037632	0.055274	-0.035258	0.037843	-0.001296	0.005116	0.003047
56	0.009586	-0.030106	-0.007905	0.076017	-0.076118	0.069128	-0.044164	-0.012091	0.020528	-0.048782	0.077231	-0.025985	0.099593	-0.011228
57	0.025978	-0.019721	-0.010562	0.04442	-0.031424	0.002931	-0.013918	-0.01326	-0.090679	0.013291	-0.005426	0.034182	-0.050319	0.040604
58	-0.005846	0.018008	-0.052461	-0.059726	0.066385	0.04604	-0.010641	-0.037605	-0.034561	0.09205	0.023697	0.053058	0.016969	0.04865
59	0.03795	0.014276	-0.011574	0.105004	-0.069442	0.109909	0.058271	-0.049262	-0.096016	0.082523	-0.025539	-0.013341	0.069418	-0.060175
60	0.093942	0.074555	0.01958	-0.032295	-0.034062	-0.01283	0.019749	-0.067956	0.023352	0.009908	-0.012326	0.009252	-0.026324	0.056961
61	0.135459	0.051089	-0.04122	0.009483	-0.057779	0.096977	-0.006202	-0.033885	0.045814	0.023956	-0.029743	0.006336	0.076463	0.016237
62	-0.057545	0.06158	-0.019796	0.00584	-0.021007	0.005818	-0.016651	-0.04107	-0.109873	0.043229	-0.009474	0.003267	0.037204	-0.005531
63	0.070035	0.0184	-0.056568	0.026179	-0.040158	0.070584	-0.057173	-0.019735	0.021697	0.001471	0.004149	0.001107	0.102003	-0.022179
64	0.009092	0.008976	-0.008655	0.040704	-0.090031	0.033806	-0.02536	-0.010299	-0.014634	-0.034076	0.035142	-0.013937	0.086724	0.010794
65	0.021491	0.025254	0.022395	0.061301	-0.068497	-0.011285	0.019394	0.005377	-0.110015	0.040322	-0.02895	0.04435	-0.017975	0.071365
66	0.035385	0.006245	0.024418	0.087431	-0.053089	0.060868	-0.008595	-0.07436	-0.097023	0.064818	-0.00676	0.027675	0.058086	-0.015482
67	0.009006	0.011803	-0.041554	0.02721	-0.060226	0.089073	0.084409	0.084185	0.106621	-0.008915	0.004413	0.105331	-0.013243	-0.078808
68	0.017152	0.031098	-0.10899	0.029347	0.026051	0.024679	0.037786	0.009575	0.050324	0.062461	-0.013123	-0.047191	-0.019056	-0.043173
69	-0.026977	0.056834	0.078454	0.053582	-0.037554	-0.07217	0.011894	0.010022	0.115211	-0.055173	0.043267	-0.004759	0.006181	-0.004637
70	-0.046641	0.057634	0.093013	0.077785	-0.06523	-0.074312	-0.007195	0.037934	0.037228	-0.062304	0.109096	-0.01438	-0.01033	-0.034745
71	-0.036061	0.012223	0.068868	-0.020123	-0.100658	-0.087083	-0.022678	0.049805	0.005943	-0.021443	-0.024361	-0.004716	0.019936	0.104676
72	-0.034193	0.014122	-0.00633	-0.132359	-0.183645	-0.016499	-0.034954	0.019917	-0.058542	-0.058055	-0.005455	0.029155	0.064683	0.031577
73	-0.069227	0.003612	0.018914	-0.204365	-0.178189	-0.05425	-0.038834	0.064363	-0.087593	-0.04283	-0.034057	-0.020471	-0.040156	0.134019
74	-0.001246	0.037864	-0.068349	-0.036533	0.013134	-0.089425	-0.022112	-0.05956	-0.140986	0.079977	0.07358	-0.071196	0.064103	-0.046949
75	-0.029212	0.07874	0.063506	0.083301	-0.061216	-0.108631	0.013267	0.018176	0.026683	-0.041695	0.017561	0.004715	-0.024054	0.032843
76	-0.062974	0.075037	0.065144	0.072529	-0.026383	-0.131951	0.047837	0.065056	-0.027018	-0.070349	-0.011773	0.02893	-0.025909	-0.009789
77	-0.032246	0.064903	0.07154	0.081135	-0.056491	-0.116073	0.011661	0.015424	0.045146	-0.051149	0.022189	-0.008769	-0.015274	0.018349
78	-0.027583	0.060025	0.075007	0.083029	-0.058029	-0.107338	0.008334	0.016862	0.040747	-0.042515	0.017481	-0.010599	-0.029756	0.020029
79	-0.010826	0.08886	0.074856	0.059296	-0.047459	-0.119408	0.015127	-0.018748	0.05302	-0.074917	0.008027	-0.006834	-0.008272	0.029383
80	-0.072736	0.07573	0.077836	-0.039813	0.050022	0.054018	-0.096433	0.06945	-0.034745	0.0502	0.098336	-0.095435	-0.10789	0.001687
81	-0.046559	-0.018227	-0.008894	-0.025929	-0.051715	-0.096504	0.044787	-0.020998	0.007707	0.020919	0.039015	-0.024355	0.003805	-0.069215
82	0.015539	-0.039516	0.036335	-0.008217	0.0658	-0.023888	0.020486	0.006539	0.010635	-0.008652	0.001223	-0.034752	0.009275	-0.011977

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
83	0.02289	-0.044516	0.048308	-0.004222	0.073798	0.008905	0.001123	0.003523	0.023168	0.016433	-0.013305	-0.007428	0.016473	0.013037
84	0.026397	-0.036459	0.061722	0.000013	0.069253	0.021453	0.00202	0.003495	0.024009	0.026368	-0.019737	0.024757	0.043048	0.010793
85	-0.038749	0.014261	-0.014204	-0.147655	-0.092778	0.119318	-0.025426	0.050137	-0.056433	-0.057107	0.019474	0.072064	0.07421	0.027529
86	-0.018279	-0.012998	-0.013524	-0.142559	-0.081151	0.034442	-0.05062	0.078047	-0.010114	-0.079603	-0.006676	0.040001	0.035901	0.055928
87	-0.010434	-0.034664	0.026701	-0.054115	-0.040116	0.042999	0.025725	0.040013	-0.001162	-0.05084	-0.003268	0.031574	0.009395	0.052443
88	0.027579	-0.027152	0.048388	-0.024272	0.070923	-0.003702	-0.01201	0.031795	0.020541	0.01567	-0.015465	-0.017719	0.015434	0.014635
89	0.034423	-0.037488	0.048205	0.002797	0.090855	0.011037	0.004555	0.004226	0.037401	0.032039	-0.01244	0.001007	0.012894	0.007945
90	0.03972	-0.016443	0.043132	0.004012	0.063756	0.04114	0.00899	-0.006671	0.033514	0.029457	-0.013391	-0.008317	0.040138	0.04598
91	0.015342	0.002832	-0.003288	0.006007	0.010033	0.028887	-0.014135	0.000436	0.023509	-0.028404	0.010841	0.005463	0.008117	-0.054761
92	-0.005078	0.031465	0.010352	-0.030872	-0.097701	0.020618	0.047366	-0.041607	-0.030026	-0.094868	0.044587	0.094475	-0.038904	-0.078756
93	0.055264	-0.003104	0.030411	-0.0617	0.035799	0.020544	-0.045303	-0.004919	0.018546	-0.012361	0.026951	0.028727	-0.016975	0.011175
94	0.025747	0.058091	0.058151	-0.010863	0.00578	0.034527	0.003438	0.023465	-0.000183	0.033013	0.026619	-0.045578	-0.045687	-0.04514
95	-0.093182	-0.130345	0.1029	-0.051587	0.052738	0.012142	-0.028551	-0.05858	0.065288	0.01953	0.077392	-0.042845	0.020447	-0.047366
96	-0.008602	0.010382	-0.033474	-0.047277	-0.040894	0.128133	-0.000571	-0.009867	0.043293	0.009782	0.131161	-0.063362	-0.019585	0.103118
97	0.00378	-0.051979	0.019427	-0.030699	-0.032659	0.046623	-0.015486	-0.005901	-0.053828	0.016287	0.047346	-0.038669	0.008852	0.030576
98	-0.050227	0.016218	0.016651	-0.008387	-0.026681	0.015879	0.015182	0.032084	-0.012784	0.015899	-0.034406	0.017183	-0.049207	0.024514
99	-0.006002	-0.002116	0.019785	-0.0614	-0.004259	0.030702	-0.013637	-0.047485	-0.016891	-0.044783	0.015691	-0.01094	0.022087	0.008851
100	-0.000504	0.046895	-0.017756	-0.05651	-0.010073	0.004397	-0.061277	-0.040784	0.031474	-0.010924	-0.006241	-0.053738	-0.015065	0.001623
101	-0.047125	0.038393	0.013269	-0.024264	-0.014894	-0.001625	0.006928	0.057459	-0.024491	0.074202	-0.007299	0.004444	-0.00185	-0.009553
102	-0.018475	-0.147461	0.02019	-0.139109	0.079541	0.098901	-0.065051	-0.041693	0.109475	-0.08018	0.087806	0.016041	-0.088025	0.049756
103	-0.005846	-0.094542	0.063276	-0.000577	0.08384	0.03697	0.071644	-0.009052	0.061043	-0.069604	0.070775	-0.017359	-0.015588	0.076852
104	0.00997	-0.07723	0.043708	-0.044006	0.042076	-0.000476	0.036004	-0.042129	-0.07933	-0.015462	0.069451	0.01647	0.013989	0.044998
105	0.016812	0.065587	0.026616	0.069501	0.065227	-0.030396	-0.040404	0.088367	-0.079702	0.000077	-0.17441	0.038717	-0.103434	0.218324
106	-0.064143	-0.025834	0.039479	0.005299	0.018919	-0.039209	0.040703	-0.026402	0.029722	-0.041993	0.021235	0.024691	-0.008093	-0.092667
107	-0.095551	-0.003953	0.015689	-0.098643	-0.02159	-0.015009	0.02631	-0.064322	-0.058457	0.021402	-0.017321	-0.070065	0.059086	0.002565
108	-0.039326	0.025007	-0.032646	-0.01792	0.015007	0.022446	0.069502	0.015038	-0.136029	0.03092	0.044485	-0.032984	-0.13733	-0.089836
109	-0.054256	0.092215	0.042699	0.037581	0.132867	0.087968	-0.029788	-0.124624	0.020052	0.017497	0.008482	-0.085607	0.020305	-0.087246
110	-0.058227	0.047563	0.074466	-0.008956	0.022766	0.053867	-0.12182	-0.084037	0.042535	-0.098541	0.03259	-0.023971	0.035246	-0.057242
111	-0.000143	-0.011331	-0.040898	-0.040843	0.011743	-0.021798	0.023434	-0.049689	-0.082331	0.043722	0.009979	0.047252	-0.062921	0.015042
112	-0.042376	-0.001892	0.033669	0.036262	0.010352	0.09714	0.033385	0.002392	-0.008421	-0.091906	-0.031885	0.00688	-0.088354	0.016781
113	-0.032879	-0.00386	0.040923	0.005339	0.001722	0.099153	0.060057	-0.035888	-0.075285	-0.039517	0.117111	0.013151	-0.043393	0.009151
114	0.040198	-0.035486	0.046232	0.053256	0.059736	0.0077	0.003176	0.123407	-0.045818	-0.026932	-0.018929	-0.05294	0.071933	-0.08505
115	0.012585	0.055979	0.027995	-0.013712	0.017072	-0.025387	-0.057861	-0.037558	-0.065361	-0.101332	-0.046231	0.12092	0.068677	-0.115862
116	-0.073635	0.084734	0.001067	0.013099	-0.043377	-0.089918	-0.031906	-0.025012	-0.088443	-0.012651	-0.132989	0.056429	0.063345	-0.048792
117	-0.045205	-0.012051	-0.089051	0.044717	0.182913	-0.037871	-0.03985	0.090289	-0.008694	-0.053033	0.0481	-0.010921	0.030983	0.240147
118	-0.134606	0.055223	0.022112	0.016725	0.014155	0.106655	-0.037479	-0.014051	-0.013307	-0.080397	0.060454	0.043882	0.065382	0.031126
119	-0.013651	0.155673	0.014774	0.020818	-0.017116	0.064659	-0.056587	0.007273	0.072565	0.002329	0.027663	-0.040567	0.070428	-0.057418
120	-0.021909	-0.015724	-0.03433	0.035394	0.059246	-0.042471	-0.060249	0.033309	0.032453	0.026479	-0.026795	0.021191	0.03952	0.060908
121	-0.048285	0.06475	0.022379	-0.005853	0.192262	0.00429	-0.199941	0.016276	-0.013294	-0.066392	0.016821	0.076185	0.065182	0.109355
122	-0.051372	0.048651	0.113746	0.00874	0.018834	0.037346	-0.031287	-0.031316	0.023968	0.022915	-0.000798	0.069508	0.046126	0.006979
123	-0.082122	0.140561	0.066997	-0.012772	0.04421	0.025787	-0.05525	-0.040929	0.013101	0.037324	-0.068148	0.006797	0.086567	-0.02355

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
124	0.035092	0.154127	0.036452	0.035274	-0.031727	0.058614	-0.048972	0.033172	0.008309	0.043672	0.011955	-0.074703	0.046257	-0.031442
125	0.003876	-0.051305	0.01478	-0.01618	0.008798	0.02867	0.00753	-0.030274	-0.001367	-0.094276	-0.038447	0.04501	-0.043777	0.04414
126	-0.075177	0.020436	0.107972	0.04186	0.067603	-0.057268	-0.000455	-0.015468	-0.029458	-0.014727	0.054916	0.085321	0.083572	0.080802
127	-0.076451	0.027187	0.015781	0.028503	-0.011412	-0.068781	0.051621	0.001446	0.111723	-0.036339	0.052465	0.037276	0.049115	0.016088
128	-0.043794	-0.007108	0.026699	0.031761	-0.032723	-0.002789	0.013292	-0.080725	-0.014074	-0.029453	0.030967	-0.066353	-0.03073	-0.033678
129	0.041214	0.120147	0.096819	0.086685	0.01112	0.133204	-0.057316	-0.026428	0.045344	0.066219	0.084801	0.079302	-0.079078	-0.006786
130	-0.082098	0.0409	0.103926	0.070167	-0.053161	0.091921	0.055442	0.043999	-0.078288	-0.070368	0.016172	-0.023754	-0.011101	-0.057012
131	0.020617	0.040091	0.091551	0.131792	0.059956	0.045356	0.042704	0.047592	-0.05712	-0.084343	0.056218	-0.092454	0.018434	0.197198
132	-0.051534	-0.051722	-0.008209	-0.013098	0.006332	-0.004144	0.010507	-0.011403	-0.045554	0.002479	0.053844	-0.087561	-0.041178	0.021004
133	-0.013744	-0.004966	0.09893	0.032827	0.050779	0.102423	0.09019	-0.111527	0.059348	0.004771	-0.095782	-0.151231	-0.012455	0.000933
134	0.026611	0.046998	-0.00808	-0.030961	0.119544	0.004233	0.041114	0.007226	-0.044058	0.073751	0.096866	0.276584	0.035842	0.063823
135	0.004309	-0.000773	0.005389	0.015697	0.003071	0.003346	-0.009875	0.022459	0.014313	-0.004988	-0.035876	-0.015454	-0.017763	0.003628
136	0.010006	0.147347	-0.004968	-0.018146	-0.023913	0.080185	0.033971	0.079257	0.023991	-0.060572	-0.085438	0.009224	0.021575	-0.041047
137	-0.074224	0.036996	0.042528	0.012438	-0.046138	0.036939	0.064469	-0.038449	-0.003813	0.010814	0.022905	0.029329	-0.032737	-0.034121
138	-0.019009	0.112732	0.069748	-0.050374	0.019335	0.069792	0.240202	-0.06644	-0.107054	0.057645	0.128452	0.062004	0.078173	-0.051132
139	0.012076	0.007826	-0.03826	-0.026425	-0.088166	0.000573	-0.095612	0.156778	0.136774	0.170132	0.021445	-0.019832	-0.06176	0.061138
140	-0.054233	0.023285	-0.06401	-0.0044	0.053669	0.063355	0.14745	0.044104	-0.10637	-0.096419	-0.067553	-0.039845	0.010221	-0.049439
141	-0.024524	-0.050734	-0.00317	-0.000188	0.027475	-0.020371	-0.00188	-0.017604	0.060311	-0.021152	-0.013981	0.021325	-0.0092	-0.050764
142	0.029365	0.105479	-0.05169	0.073979	-0.043823	0.124183	-0.057096	0.07088	-0.058341	-0.017437	-0.012606	0.024409	-0.031188	0.083303
143	-0.012304	0.038927	0.002122	0.011099	-0.008392	0.062737	-0.003071	-0.057955	-0.023711	0.031082	-0.033667	0.020759	-0.036888	-0.02723
144	0.063068	0.156644	-0.022205	-0.007265	-0.008393	0.102989	-0.058701	-0.002852	0.049847	0.003805	-0.040363	0.041889	0.048319	-0.044489
145	-0.017408	0.070793	0.023857	0.009675	0.001731	0.075591	-0.028976	-0.006469	0.055546	0.007074	0.014836	-0.066495	-0.050134	0.018625
146	-0.027173	-0.031334	-0.029217	0.031308	-0.009338	0.002865	0.010873	0.024943	-0.012865	-0.002185	0.002338	-0.010078	0.002615	0.020282
147	-0.019027	0.044328	0.102664	0.046876	0.142381	-0.025679	0.135068	0.103944	-0.124608	0.016366	0.067073	0.220584	-0.040394	0.145906
148	-0.02854	-0.045036	0.104744	0.061796	-0.00842	0.046375	0.153344	-0.021646	0.003178	-0.055244	-0.041869	0.01142	0.109584	-0.017738
149	-0.029213	-0.023526	0.016417	-0.011802	0.010285	-0.047215	-0.004363	-0.005474	0.001491	-0.020081	0.023958	-0.014662	0.043174	-0.016997
150	-0.007137	-0.006061	-0.011568	-0.000967	-0.023809	0.038486	0.022837	0.014599	-0.032471	-0.020718	-0.029286	0.013603	-0.03638	0.001489
151	-0.014831	0.074224	0.085011	-0.24256	0.014321	-0.105377	-0.024711	0.1384	-0.053098	0.037141	-0.00399	0.089077	0.045155	-0.114454
152	0.027939	0.083267	-0.052026	0.059675	-0.04934	0.048498	0.001356	0.047806	0.096247	-0.071876	-0.020503	0.02642	-0.01786	0.008092
153	0.030824	0.077647	-0.032202	0.049232	-0.075442	0.119455	-0.107832	0.035085	0.009714	-0.004424	-0.036266	0.065455	0.051533	0.041193
154	0.112458	0.091017	-0.007953	0.051653	-0.069773	0.087018	-0.041893	0.082449	-0.075712	-0.063121	-0.033803	0.068935	-0.018653	0.07391
155	0.063923	0.05654	0.04502	0.056849	-0.090157	0.104071	0.022404	0.025178	0.05377	-0.019096	-0.008454	0.001691	-0.000774	0.00724
156	0.022564	0.03908	-0.04821	0.017377	-0.028194	0.011161	0.029866	-0.051036	-0.011565	-0.03619	0.095149	-0.025976	0.019379	-0.009273
157	0.000563	-0.015189	-0.005782	-0.009392	-0.004513	-0.008312	0.02422	-0.007035	0.040835	-0.034168	-0.019239	-0.012235	0.072866	0.000162
158	0.007555	0.113588	0.122246	0.026377	0.039991	-0.028382	0.069642	-0.084888	0.011659	0.045052	-0.138885	0.068205	-0.094985	-0.228837
159	0.063272	0.157986	0.024208	0.057114	-0.009614	0.056769	-0.032307	-0.014821	0.063667	0.138115	-0.043616	0.000282	-0.172798	0.001613
160	-0.026772	0.12848	0.147288	0.115491	0.051042	0.041272	-0.021048	0.036073	-0.014952	-0.061174	0.087958	0.004134	0.066757	-0.052844
161	-0.002831	0.024234	0.051642	0.020138	-0.013124	-0.03177	0.062043	-0.121446	-0.013066	0.070625	-0.034395	0.040334	0.028521	-0.044039
162	-0.033187	0.092459	-0.054449	-0.004454	0.024567	0.035931	0.021761	0.076929	0.012545	0.091837	0.028621	0.036741	0.033342	-0.086363
163	0.028732	-0.001589	-0.03367	0.033264	-0.044232	0.02997	0.011135	0.052619	0.039714	-0.07017	0.038826	0.035272	-0.043505	0.045695
164	0.100389	0.126722	-0.011183	-0.044752	-0.024063	0.089316	0.074125	0.180494	0.093427	-0.111082	0.042142	-0.082017	-0.025644	-0.013943

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
165	0.070782	0.025479	0.089154	0.022628	0.044024	0.083284	0.016993	-0.001931	-0.056906	-0.063042	-0.023268	0.043463	0.036691	0.012838
166	0.079342	0.165102	0.076139	0.03714	0.032084	0.09202	0.097672	0.112755	-0.08266	0.104622	0.056935	-0.139225	0.042002	-0.068429
167	0.017455	0.039886	-0.044817	0.014319	-0.012229	0.066116	0.018717	-0.013782	-0.007901	-0.032897	0.055965	0.024623	-0.036967	-0.022169
168	-0.049187	0.004963	-0.006386	-0.01027	-0.083712	-0.004646	-0.098249	-0.018705	0.044974	-0.097518	0.00799	-0.020343	-0.043656	-0.017605
169	-0.068743	-0.03886	0.027597	0.080841	0.002251	-0.005826	-0.016136	0.098269	-0.010597	0.005503	-0.011615	-0.067987	0.037307	0.036451
170	-0.051415	-0.016028	0.04435	0.097021	-0.000466	0.007321	-0.006968	0.139797	-0.005111	0.021691	-0.015181	-0.082551	0.046978	-0.016269
171	-0.080528	0.011362	0.033439	0.064322	0.034089	-0.043406	-0.048599	0.050232	-0.030621	-0.000763	-0.039274	-0.075666	-0.008077	0.019291
172	-0.021433	-0.070171	0.079553	-0.012308	-0.019285	-0.032921	-0.020088	0.092679	-0.010376	0.012205	-0.024484	-0.025323	-0.036066	-0.05339
173	-0.020804	-0.052976	0.096186	-0.044836	-0.016222	-0.019693	-0.000748	0.006817	-0.006315	0.016878	-0.050597	0.015927	-0.042401	-0.012449
174	0.013434	-0.109402	0.103469	-0.057606	-0.040991	-0.01995	-0.033423	0.030037	-0.034107	-0.032994	-0.001149	0.002949	-0.106432	-0.080782
175	-0.072815	-0.090214	0.115026	-0.000349	-0.00042	-0.010801	0.037163	0.111139	0.032538	-0.060634	0.020562	0.002909	-0.073312	-0.039038
176	-0.036637	-0.046606	0.000712	-0.01737	0.008447	0.000229	0.050734	-0.011674	0.005099	0.004356	-0.010833	-0.105856	-0.033386	0.036836
177	0.073625	0.020345	0.021925	-0.045202	0.071472	-0.101616	-0.03439	0.072445	-0.029383	-0.00412	0.015639	-0.014316	0.025565	-0.062962
178	-0.039183	0.004463	0.088265	-0.007394	-0.002522	-0.009154	0.021728	-0.040099	0.020664	0.066945	-0.065384	0.03244	-0.047175	0.011439
179	-0.038283	0.044273	0.059815	-0.017077	-0.001364	0.024743	-0.011884	0.025792	0.019663	-0.005479	-0.048407	0.023433	-0.014105	0.040752
180	-0.034493	0.028111	0.070654	-0.002449	-0.006093	0.04853	0.009061	0.018171	0.008842	0.037319	-0.05591	0.052138	0.003113	0.03925
181	-0.028963	0.041511	0.068203	-0.019163	-0.004966	0.029434	0.008674	0.023176	0.006731	0.034572	-0.047388	0.038516	-0.017014	0.030601
182	0.003037	0.048103	0.077833	-0.051453	-0.011832	0.03171	-0.007026	0.015846	0.040766	-0.0073	-0.078101	0.005977	-0.027369	-0.001945
183	-0.024979	0.071822	0.074582	-0.049779	0.005924	-0.022871	-0.067077	-0.045058	0.027796	-0.062397	-0.057643	-0.00436	-0.044968	0.030615
184	-0.008903	0.034435	0.054071	-0.063506	0.008563	-0.022071	-0.078828	-0.096836	-0.027717	-0.008114	0.001005	-0.01928	-0.073025	-0.031555
185	-0.026167	0.006612	0.010508	-0.082065	-0.081366	0.025743	-0.124747	-0.05196	0.014253	-0.016688	0.06867	0.005007	-0.042781	0.081963
186	0.039262	-0.044163	0.104635	0.0143	0.033466	0.087916	-0.048508	0.004101	0.001224	0.070586	0.001337	0.079031	0.04691	-0.067823
187	0.043645	-0.072727	0.060409	-0.031422	0.026739	0.038187	-0.076233	-0.004881	0.030539	0.010981	-0.050364	0.063263	0.001789	-0.026803
188	0.062191	-0.09273	0.067559	-0.057495	-0.008067	0.05064	-0.092922	0.015114	0.01879	-0.049248	-0.026009	0.054309	-0.047829	-0.061855
189	0.027374	-0.074455	0.075276	-0.067472	0.034002	0.073632	-0.078786	0.089644	0.036707	-0.075266	-0.034399	0.042178	-0.077614	-0.039635
190	0.025191	0.033992	0.020225	-0.028849	0.030446	-0.033011	0.044838	0.010276	0.027099	0.013366	0.007424	0.005497	0.030667	0.01279
191	0.014344	-0.003276	0.003607	0.003297	0.066383	-0.031084	0.02801	0.01919	0.018935	0.016089	0.007419	0.001187	0.072215	0.009245
192	-0.020836	-0.010004	0.018375	0.000428	-0.049726	-0.05727	-0.035499	-0.044308	0.100634	-0.080606	0.003162	0.006385	-0.025292	-0.049596
193	0.007345	-0.042982	0.032035	-0.012452	-0.020062	-0.028821	-0.032648	-0.020021	0.118018	-0.026035	-0.015691	0.012348	-0.048169	-0.020344
194	-0.002499	-0.068459	0.089609	-0.025738	0.028125	-0.001341	-0.003356	0.032516	0.106786	-0.02902	-0.086087	0.074931	-0.001346	0.023117
195	0.030729	-0.000782	0.097407	-0.014156	0.016378	-0.014009	0.018569	0.099927	0.063964	0.079617	-0.058564	-0.013589	-0.001975	-0.016491
196	0.014076	0.010255	0.068576	-0.027834	0.000483	-0.001872	0.015839	0.089685	0.043994	0.040654	-0.026168	0.035404	0.009907	-0.047228
197	0.053704	-0.018363	0.024449	0.005889	0.009604	0.005521	0.047102	0.004696	0.049097	-0.015069	-0.003238	-0.01427	0.057706	0.005752
198	0.016056	-0.081736	0.112747	0.040019	0.040981	-0.027602	-0.020019	0.079918	0.009674	0.062285	-0.009665	-0.022224	-0.038203	-0.03106
199	-0.030934	-0.039036	-0.018111	-0.005515	0.057425	-0.045571	0.062146	0.100582	-0.083321	0.027628	0.084877	0.043716	0.081232	-0.030062
200	0.045823	-0.022403	0.090491	0.004378	-0.021453	0.048072	-0.015353	0.067578	0.003746	0.049807	-0.061563	-0.014645	-0.058361	-0.072241
201	0.031842	-0.002926	0.008964	-0.00149	0.051612	-0.052274	-0.057254	-0.038159	0.044537	0.04376	-0.062148	0.030647	0.062574	0.119783
202	0.051365	-0.065208	0.103012	0.048386	0.043119	-0.009112	-0.034975	0.102275	0.044536	0.073733	-0.048407	0.032948	-0.059718	-0.052064
203	0.058659	-0.019707	0.059066	0.100843	-0.032697	-0.119544	0.028497	-0.001497	0.063905	-0.012851	0.003738	-0.008912	0.068143	0.082105
204	0.051541	0.054166	-0.001326	0.069183	-0.077907	-0.125477	-0.058044	-0.037879	-0.009561	0.014151	0.028906	0.154955	-0.070884	0.03941
205	-0.018717	0.023905	-0.058687	-0.148639	0.021763	0.143814	0.239192	0.026434	0.10787	-0.016702	-0.01131	0.061618	-0.088151	0.107131

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
206	0.1514	0.004726	-0.030991	0.138086	0.073526	0.036251	-0.013944	-0.091364	-0.05495	-0.143672	0.026281	0.019773	-0.139485	0.061155
207	-0.00346	0.026099	0.072549	-0.007088	-0.085876	0.045727	-0.008416	-0.015094	0.015228	-0.196411	0.154428	0.192717	0.06371	-0.152975
208	0.095942	-0.022422	0.056337	0.139527	0.030706	0.061073	0.000582	-0.022446	0.148533	-0.094202	0.13951	-0.094885	0.0478	0.029541
209	0.017437	0.047005	0.169426	-0.06198	0.003546	-0.037719	0.129553	-0.034282	-0.019927	0.052918	-0.08006	0.062998	-0.013306	-0.036275
210	-0.020806	0.006753	0.123258	-0.069148	0.0444	-0.038654	0.182054	-0.019125	-0.029611	0.088916	0.081093	-0.040433	0.025533	0.118628
211	0.000553	-0.01067	-0.056983	-0.0568	-0.067269	-0.000432	0.059716	-0.029695	-0.111253	-0.061029	-0.002515	0.043836	0.015594	-0.011149
212	-0.012827	-0.054928	-0.059114	0.00239	-0.155453	0.139116	0.052471	0.176935	-0.11169	-0.171557	-0.00718	-0.108339	0.037292	0.113822
213	0.014291	0.071197	0.064804	-0.017219	0.052073	0.050441	0.136267	-0.140874	0.09518	0.064553	0.014602	0.022801	-0.043692	-0.013809
214	-0.027051	0.042815	0.047306	-0.000711	0.011703	0.027803	-0.039076	0.018881	0.011305	-0.008165	-0.042405	0.00845	0.001966	0.001775
215	-0.08832	0.056327	0.07875	-0.052278	-0.013083	0.064992	-0.052012	-0.046476	0.038621	-0.023044	0.012241	0.029169	-0.053855	0.10805
216	-0.138701	-0.009814	-0.045027	-0.006968	0.015076	0.018784	-0.036712	0.022328	-0.000152	0.001039	-0.011321	0.006127	-0.055343	-0.009532
217	-0.037993	-0.021456	-0.094906	-0.046863	0.076301	-0.077122	-0.006304	0.038267	0.025623	0.006351	0.103324	-0.102722	0.032045	0.025976
218	-0.022474	-0.017247	0.015442	-0.029662	0.006254	-0.011734	0.021046	0.008897	0.012116	0.010425	-0.003788	-0.068594	-0.0104	0.018088
219	-0.144444	-0.009955	-0.02715	-0.016514	0.054733	-0.011218	0.011228	0.026067	-0.030453	0.017186	-0.018812	-0.069266	0.015912	-0.031675
220	-0.009402	0.052748	-0.043405	0.002087	-0.021599	-0.054853	-0.027668	0.014456	-0.088432	0.050109	0.030839	-0.087284	0.031165	0.032341
221	-0.035846	-0.010663	0.034983	0.00034	-0.032666	-0.005359	0.04401	-0.015167	-0.086708	0.021385	-0.011354	-0.006245	-0.049596	0.054714
222	-0.070355	0.012723	-0.011154	-0.009367	-0.052709	-0.049376	0.10334	0.033046	0.113767	-0.025096	0.002925	0.023333	-0.024056	0.004458
223	-0.079582	0.003409	-0.008729	-0.008885	-0.041019	-0.057336	0.081522	0.007182	0.081274	-0.008063	-0.020598	0.003687	-0.04835	0.012393
224	-0.002213	-0.059277	-0.023722	0.076739	-0.012681	-0.047892	-0.055054	-0.019177	0.029176	-0.01412	0.012862	0.065274	-0.092319	0.005578
225	-0.010441	-0.061093	-0.021132	0.095886	-0.002046	-0.049587	-0.051956	-0.010625	0.036731	-0.011602	0.008148	0.054351	-0.09281	0.007001
226	-0.063849	-0.00631	0.03526	0.035676	-0.022105	0.014564	-0.092394	-0.038768	0.017163	0.037866	-0.047886	-0.042688	-0.002599	-0.005443
227	-0.105298	0.012574	-0.004245	0.086084	0.009742	-0.019908	-0.166379	-0.05555	0.035295	0.007809	-0.079887	0.004763	-0.092746	0.082861
228	-0.080882	-0.032697	-0.04235	0.098587	-0.070435	0.025209	-0.005325	-0.01054	0.108494	-0.05048	0.049331	0.091781	-0.054488	-0.094887
229	-0.01239	-0.132399	0.015616	0.052164	-0.082995	0.037829	-0.061784	0.017007	0.041263	0.196321	0.114447	0.118086	-0.009236	0.017493
230	-0.076358	-0.024934	-0.034008	0.014037	-0.061507	0.030314	-0.047438	0.016433	0.036376	0.033695	0.050238	0.121935	-0.029304	0.034271
231	-0.111749	0.05218	-0.050673	0.012708	-0.000714	-0.019698	-0.012659	-0.055324	-0.017151	-0.001238	-0.062684	-0.052861	-0.074409	0.031908
232	-0.012394	-0.042468	-0.026629	0.089026	-0.043245	0.013284	-0.010929	0.006755	-0.004018	-0.051581	0.050113	0.120155	-0.033532	-0.072234
233	-0.0914	0.006217	0.046525	0.015803	0.066004	0.011325	-0.04191	-0.03839	0.013324	-0.005301	0.023815	0.111221	-0.002252	0.000483
234	-0.183285	0.05541	-0.088194	0.043662	0.003683	0.082024	0.013671	-0.10971	-0.02945	-0.05715	-0.074086	-0.031679	-0.074086	-0.03605
235	-0.143295	0.032098	-0.100728	0.059693	-0.02447	0.042014	0.024947	-0.085946	-0.017706	-0.054935	-0.045026	0.01706	-0.08255	-0.000606
236	0.038087	-0.021433	-0.065306	-0.000364	-0.001865	0.052428	0.103711	0.001431	-0.006538	-0.035316	0.043737	0.004658	-0.03006	0.059363
237	0.113711	0.046141	-0.060486	-0.054939	0.077032	-0.010929	0.032282	0.030304	0.076996	-0.001863	0.032868	-0.02804	-0.021225	-0.03101
238	-0.065492	-0.00507	-0.05359	-0.030157	0.080612	-0.020412	0.055148	0.048381	0.020385	-0.044033	-0.004644	0.009446	0.022938	-0.045211
239	-0.100239	-0.042209	-0.013618	-0.003305	0.043758	-0.020431	0.06027	-0.004672	0.046291	-0.060306	-0.030809	0.020527	0.005187	-0.020766
240	-0.082822	0.042926	-0.003965	0.070891	0.071371	-0.021076	-0.021535	-0.018788	-0.087498	-0.009718	0.065428	0.053206	0.092404	0.009742
241	-0.082434	0.049748	-0.000062	0.032178	0.056281	0.013808	-0.029295	-0.03102	-0.052075	-0.026016	0.050981	0.064311	0.035987	-0.011236
242	-0.035819	0.044721	-0.060801	-0.003833	-0.049557	0.015445	0.07148	-0.059799	0.00795	0.002314	-0.023427	0.059303	-0.106424	0.051303
243	-0.076798	0.017513	-0.086826	0.025176	-0.114411	-0.063055	0.056594	0.012511	0.046049	0.043588	-0.012736	0.099695	-0.072486	-0.036009
244	0.03117	-0.030378	0.018737	0.067324	-0.015933	0.013571	-0.007288	-0.036946	-0.081959	0.03497	-0.000865	0.028269	-0.019185	0.024775
245	0.066811	-0.039187	0.011158	-0.024753	-0.001994	0.041458	-0.019595	-0.027122	-0.058896	-0.016743	0.0712	0.019598	-0.067955	0.018079
246	0.065419	0.090341	0.005978	-0.074289	0.003295	0.022293	0.019015	-0.025095	0.010695	0.001561	-0.020631	0.009962	-0.032684	0.049694

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
247	-0.022909	0.031592	-0.003414	-0.048928	-0.022245	-0.024346	0.057738	-0.007578	-0.007141	0.001727	-0.01237	0.028187	0.005419	0.074656
248	-0.040752	0.023022	-0.046927	-0.010405	-0.034335	0.002515	0.048952	0.003871	-0.021551	-0.002889	0.002075	0.047023	0.013613	0.048113
249	-0.080858	0.085313	-0.082894	0.080129	0.019626	-0.071038	0.071545	0.046882	0.057337	-0.043778	0.10037	0.063964	0.049344	-0.042107
250	-0.081684	0.075918	-0.047193	0.045907	0.05335	-0.008571	0.007905	-0.037631	-0.057047	0.01442	0.01735	0.014004	0.053001	0.006897
251	-0.059992	0.072793	-0.056591	0.093592	0.04393	-0.011748	-0.034515	-0.0267	-0.075676	0.00618	0.04783	0.015584	0.065846	0.013485
252	-0.037993	0.060247	-0.091251	0.028738	-0.024619	-0.030919	-0.027177	0.010989	-0.008618	0.03981	0.011591	0.015251	-0.089654	0.021085
253	-0.044037	-0.018545	-0.052096	0.015342	-0.127802	-0.016862	0.00739	0.015042	0.008908	0.012793	0.017249	0.061294	-0.069642	-0.040317
254	-0.01715	-0.01219	-0.014929	0.034844	-0.034427	-0.009469	0.05323	-0.00125	0.024431	0.010001	0.001531	0.045307	-0.014789	-0.008038
255	0.023923	0.014313	0.018906	0.052081	-0.04293	0.026958	-0.005221	-0.010834	-0.110217	0.038384	-0.016134	0.034877	-0.002199	0.034175
256	0.058405	-0.048779	0.072561	-0.00552	-0.102351	0.050211	-0.039342	0.0381	-0.139294	-0.000601	0.019288	-0.003264	-0.067541	0.003628
257	-0.036455	-0.008196	0.013544	-0.008711	-0.013282	0.02082	-0.013381	0.015219	-0.026345	-0.064297	-0.051129	-0.040596	0.0376	-0.008644
258	-0.000367	-0.048109	-0.004814	-0.027178	-0.030158	-0.017588	0.005984	0.041801	0.013354	-0.047425	-0.024689	-0.02894	0.05314	0.024306
259	-0.087154	0.064987	-0.0848	0.042542	-0.016451	-0.051456	0.070995	0.033258	0.111253	-0.002978	0.041331	0.045352	0.004281	-0.021087
260	-0.05931	0.083497	-0.115797	0.019989	0.016923	-0.027638	0.028953	0.040263	0.088254	0.046039	-0.007872	0.008332	-0.066214	-0.049669
261	-0.049654	0.102434	-0.09743	-0.000965	0.013184	-0.011372	0.001039	0.022567	0.035421	0.021813	0.02018	-0.011885	-0.009172	0.005684
262	0.016067	0.020598	-0.051791	0.002883	-0.028221	-0.002831	0.042405	-0.003765	0.00004	0.002676	0.004607	0.017724	-0.053339	0.015858
263	0.003971	0.007842	-0.079786	0.01801	-0.042345	0.002696	0.032514	0.002153	0.010899	-0.009801	0.000393	0.025496	-0.046562	0.014562
264	-0.031624	0.027705	-0.035566	0.051607	-0.059924	-0.020019	0.065886	0.021094	0.106825	-0.033649	-0.003343	0.039606	0.020564	-0.024155
265	0.002838	0.013663	-0.040816	0.020868	-0.034446	-0.039078	0.07951	0.068502	0.120858	0.000538	-0.05425	-0.002143	0.001507	-0.046267
266	0.02646	0.017367	-0.039748	-0.019147	-0.021369	-0.006524	0.025328	0.044135	0.02777	0.041823	-0.033234	-0.012813	-0.009205	0.005608
267	-0.044879	-0.094848	0.079418	0.072829	-0.083288	0.018138	-0.076606	0.012935	-0.038126	0.10687	0.045048	-0.006499	-0.097962	-0.034996
268	-0.057424	-0.010902	0.057313	0.032679	-0.013814	0.003773	-0.067183	-0.026036	-0.003045	0.0325	-0.053914	-0.028277	-0.02132	-0.000925
269	-0.044022	0.003584	0.032137	0.021985	-0.000025	0.013503	-0.079243	-0.017043	-0.02102	0.029423	-0.056195	-0.01656	-0.016873	-0.01358
270	-0.035976	0.014079	0.030359	0.048031	-0.005075	-0.000161	-0.108303	-0.028805	-0.004777	0.017501	-0.073502	-0.021521	0.000606	-0.007938
271	0.011184	-0.086057	-0.050656	0.019723	-0.025437	0.05614	-0.019547	-0.063689	-0.029751	0.164167	0.059496	0.080313	-0.012678	-0.052113
272	-0.008347	-0.108007	0.021554	0.061435	-0.082785	0.020577	-0.026127	0.005242	0.01762	0.162955	0.115844	0.040988	0.043543	-0.0223
273	0.023645	-0.022854	0.006273	0.024126	-0.050678	-0.024165	-0.025123	0.006649	0.00621	0.099619	0.058513	0.041805	0.057338	0.008181
274	0.027289	-0.01581	0.001443	0.023374	-0.047375	-0.015792	-0.029609	0.007698	0.001505	0.093553	0.053885	0.044763	0.059289	0.004594
275	0.004786	0.001166	-0.042725	0.05196	-0.041868	0.002394	-0.098904	-0.005095	0.023015	0.023258	0.044703	0.088742	0.026615	0.038555
276	0.016931	-0.079849	-0.046817	0.014929	-0.03779	0.066621	0.109228	0.010545	-0.01895	0.017336	0.083147	0.020405	-0.014701	0.048922
277	0.097283	-0.017989	0.011503	-0.043274	0.027823	-0.000574	0.062561	-0.006064	0.089349	-0.037085	0.018553	-0.02508	-0.039998	-0.017849
278	0.10879	-0.027945	0.014469	-0.034466	0.028762	0.003474	0.043686	-0.017859	0.101041	-0.051717	0.015641	0.015186	-0.040198	-0.025709
279	-0.071861	-0.04355	-0.015726	0.015943	0.043486	0.007181	0.049108	0.003575	0.023214	-0.059438	-0.022355	0.039345	0.03248	-0.063109
280	-0.056993	-0.034886	-0.011315	0.036858	-0.13503	-0.02136	0.044089	0.038803	0.053784	0.047925	0.04816	0.082425	-0.082132	-0.076703
281	0.095182	0.057077	0.072939	-0.024704	-0.044799	-0.017551	-0.009234	-0.053215	0.013225	0.015841	0.009394	0.020793	0.056403	0.037357
282	0.083656	0.003756	0.076182	-0.030944	-0.043236	-0.024156	-0.028277	-0.037099	-0.009348	0.003111	-0.024679	0.043289	0.035755	0.022396
283	-0.021675	0.017069	-0.006708	0.002667	-0.050098	0.002631	0.024788	-0.045544	-0.028373	0.014929	-0.011066	0.033948	0.042471	0.044376
284	-0.01451	-0.013543	0.024856	0.025268	-0.023624	0.034405	-0.030918	0.010928	-0.042029	-0.063943	-0.03037	-0.036176	0.050982	-0.034741
285	-0.016906	-0.02151	0.020873	0.01948	-0.016423	0.031919	-0.039774	0.001375	-0.041087	-0.074565	-0.063248	-0.014255	0.041845	-0.038573
286	-0.011833	-0.063264	0.046966	0.010214	-0.016953	-0.001735	-0.072433	0.044089	-0.01596	-0.058197	-0.019483	-0.030018	0.093229	-0.019081
287	-0.01933	-0.081929	0.03818	0.011879	-0.011096	-0.000652	-0.077641	0.039234	-0.014225	-0.050831	-0.034483	-0.002807	0.088286	-0.030273

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
288	0.039609	-0.047662	-0.068779	-0.041039	-0.027132	-0.005671	-0.036623	-0.024101	-0.019681	-0.058184	-0.013556	0.001324	0.07095	0.027421
289	0.05487	-0.018733	-0.041972	0.025563	-0.000484	-0.00619	0.017819	0.017286	-0.023066	0.020976	-0.012217	-0.022653	-0.012869	0.020507
290	0.108601	0.048711	-0.089362	-0.093324	-0.023504	-0.094129	-0.067757	-0.064178	-0.05301	0.003071	0.000274	0.008553	0.034879	-0.036102
291	0.104852	0.046278	-0.084646	-0.096211	-0.02555	-0.099695	-0.066342	-0.065387	-0.054058	0.005486	0.005767	0.006471	0.036849	-0.041244
292	0.071729	0.045463	-0.092697	-0.089835	-0.026809	-0.091542	-0.063612	-0.073235	-0.057135	-0.010926	0.007371	0.034244	0.051002	-0.026826
293	-0.023657	-0.010376	0.007876	-0.061834	-0.009543	-0.001596	0.06686	-0.099529	-0.016781	-0.08896	-0.038881	0.058718	-0.04165	0.089352
294	0.019953	-0.013749	-0.004023	-0.043184	0.017938	-0.011107	0.022155	-0.023862	0.029983	-0.006824	-0.03028	0.022673	-0.034494	0.053002
295	0.032763	0.007464	-0.008468	-0.045582	-0.038441	-0.022826	0.058353	-0.038539	-0.014204	-0.00396	0.040329	0.040015	0.025037	0.050768
296	0.045305	0.029383	-0.00071	0.000193	-0.036005	-0.061099	-0.002915	-0.024565	0.039399	0.002217	0.055224	0.074347	0.033602	0.079996
297	0.016483	-0.005659	0.001844	-0.051864	-0.041357	-0.029826	0.070864	-0.052203	-0.015544	-0.00788	0.041878	0.041637	0.03007	0.063528
298	0.08236	0.024329	-0.024616	-0.069121	0.058124	-0.023071	0.012346	-0.004972	-0.037423	-0.046202	0.072849	-0.003934	-0.01465	-0.108173
299	0.040212	-0.02948	0.031287	-0.019203	-0.026529	-0.080427	0.064456	-0.020544	0.000994	-0.046893	0.032826	-0.003529	0.044051	0.031735
300	0.009609	0.030633	0.005556	-0.11574	0.047142	0.056808	-0.055239	0.03697	-0.023596	0.06184	0.127944	0.048811	-0.003845	-0.14205
301	0.016978	-0.00012	-0.010502	-0.022496	-0.005024	-0.023142	0.066847	-0.031465	-0.008217	-0.10734	-0.020196	0.000331	-0.013398	0.017381
302	0.026348	0.017292	0.024366	-0.01502	0.021282	-0.029115	0.018383	0.007589	0.036229	-0.054721	0.022678	-0.024024	0.006014	-0.003538
303	0.042334	-0.070475	0.069392	-0.030744	-0.013627	-0.080157	0.026997	0.054254	0.06006	-0.029401	0.033467	-0.008157	0.00927	-0.033894
304	0.043952	-0.046107	0.064142	-0.016501	0.000531	-0.086261	-0.000199	0.047254	0.070097	-0.042115	0.061626	-0.024943	0.02411	-0.016254
305	0.047865	-0.011891	0.020605	-0.001357	-0.006701	0.032461	-0.066943	-0.101429	0.042511	-0.067739	0.05796	0.032814	-0.059795	-0.004091
306	0.083108	0.092505	-0.002748	-0.024382	-0.053997	-0.18755	0.063937	-0.062055	0.065975	0.000514	-0.022763	0.036183	-0.019666	0.146526
307	0.097526	0.010961	-0.0388	0.003582	-0.027795	-0.086296	-0.10626	0.048059	0.02479	0.013501	-0.079588	0.075027	-0.026978	-0.069879
308	0.060587	-0.077671	-0.091252	0.119607	0.092604	-0.10323	-0.019265	0.095124	-0.024131	0.008823	-0.198962	0.086425	-0.004188	-0.037319
309	-0.021376	0.037585	-0.017382	-0.032557	0.031102	0.046194	-0.011797	0.020996	0.059217	-0.018713	-0.059562	0.017465	0.023445	0.004777
310	0.015074	0.049211	0.024746	-0.012791	0.020413	0.001222	-0.043217	-0.001442	0.044992	-0.051878	-0.035523	-0.026655	0.057693	0.003993
311	0.003553	0.04465	-0.019524	-0.030864	-0.002171	0.031745	-0.023335	0.008049	0.061545	0.042944	-0.057953	0.073503	-0.027376	0.032035
312	0.008105	-0.002734	-0.042199	0.058826	-0.005146	-0.029872	-0.037697	0.011459	-0.028968	0.152439	-0.056612	0.094793	-0.045626	-0.022701
313	-0.004092	0.0342	-0.031589	-0.031315	-0.022506	0.044288	0.008877	-0.003219	0.061473	-0.007497	-0.098796	-0.018966	0.015919	0.037069
314	0.038106	0.011446	-0.032154	0.016146	0.056899	0.023513	0.071777	-0.013335	0.109453	0.048683	0.055653	-0.049699	-0.061366	0.004116
315	-0.000325	0.022466	-0.033703	-0.05853	0.012091	0.028114	-0.008535	-0.003544	0.06232	0.003245	-0.082604	0.020707	0.030955	0.026342
316	0.046224	0.035315	-0.022686	0.005758	0.025884	-0.010754	0.05023	0.03986	-0.053857	-0.154594	-0.071059	0.065793	-0.095831	-0.176557
317	-0.02776	0.038194	-0.045433	-0.076357	0.023383	0.072306	0.022346	-0.001721	0.053544	-0.033061	-0.097723	0.014428	0.000765	0.002971
318	-0.008614	0.065607	-0.051537	-0.077563	0.078519	0.028792	0.023344	-0.01567	0.102647	0.015642	-0.04717	0.036059	-0.000806	0.069059
319	-0.027219	0.012696	-0.028966	-0.066883	0.026691	0.03722	-0.015533	0.009714	0.054296	-0.015445	-0.081592	-0.000598	0.033532	-0.015266
320	-0.025831	0.03993	-0.017273	-0.061317	0.036885	-0.009779	-0.016976	-0.027654	0.045806	-0.050668	-0.04093	-0.00223	0.029963	-0.009263
321	0.112526	0.048442	-0.024498	-0.000716	-0.039429	-0.045687	-0.007757	0.003408	0.005439	-0.009049	0.028128	-0.05053	0.008347	0.053458
322	0.002734	0.034259	-0.112483	0.124618	0.207122	-0.022025	-0.006289	0.130415	-0.070876	-0.102948	0.124771	0.028836	-0.10467	-0.036
323	0.086322	0.105587	-0.03896	0.095795	-0.045001	-0.011104	-0.006468	0.041869	-0.032749	-0.011602	0.030884	-0.046813	-0.017683	0.025446
324	0.01809	-0.000809	0.02019	0.074913	0.024301	-0.037408	-0.000225	-0.02156	-0.020867	-0.089194	0.004232	0.067091	-0.001057	-0.030964
325	-0.033627	0.019832	-0.000801	-0.059444	0.023116	0.043183	-0.002284	0.037932	0.047322	-0.009163	-0.055396	0.047969	0.029767	0.011922
326	-0.028769	0.06313	-0.019388	-0.063227	-0.01311	0.016225	-0.042075	0.126014	0.060304	0.045705	-0.003586	0.069992	0.028342	-0.010376
327	0.037985	0.03801	-0.011897	-0.00418	-0.010329	0.042856	-0.017396	0.019366	0.036335	-0.006353	0.021333	0.038481	0.016738	-0.001836
328	0.125244	0.040764	-0.059758	0.003903	0.045087	-0.017114	-0.079998	0.041025	-0.017704	-0.081298	0.151247	0.058958	-0.126999	0.02626

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
329	0.046166	0.055439	-0.015399	0.015063	-0.029341	0.028883	-0.003737	0.053003	0.005057	0.016299	0.007383	0.009964	0.027637	0.030083
330	-0.001238	0.029404	0.023026	-0.049219	0.080212	0.049418	-0.111511	0.112353	0.039716	-0.023522	0.188677	-0.061095	-0.109337	-0.001265
331	0.000666	0.017511	-0.017596	-0.039785	0.00453	0.019276	-0.008818	0.020787	0.025002	0.02354	-0.048323	0.055677	0.007232	0.002546
332	-0.014124	0.101866	-0.018435	-0.182033	0.053112	0.072805	-0.109372	0.152679	-0.023141	0.020904	0.136461	0.004341	-0.121893	-0.071873
333	-0.029764	0.038887	-0.028914	-0.057856	0.055259	0.050909	-0.000982	0.015801	0.037797	-0.010666	-0.073084	0.055507	0.014683	0.005085
334	-0.027885	0.032846	0.01683	-0.046796	0.067538	0.024562	-0.015127	0.018463	-0.022487	0.064489	-0.004962	0.109331	0.001893	0.115796
335	-0.012236	0.027887	-0.014346	-0.037286	0.003295	0.044282	-0.033579	0.061845	0.022749	-0.000748	-0.068119	0.03764	0.028736	-0.030262
336	0.01391	-0.007695	-0.009804	-0.014838	0.072558	-0.013442	0.019925	-0.015916	0.035632	0.019639	0.011821	0.001006	-0.046788	-0.022694
337	0.089773	0.028577	-0.000465	0.030122	0.011279	-0.128696	-0.00867	-0.011466	-0.055452	-0.022364	-0.038377	0.063992	0.063264	-0.02579
338	0.080626	0.011568	-0.001557	0.077411	0.157321	0.025016	-0.024801	-0.092794	0.025608	-0.019038	0.122164	0.039434	0.003949	0.035173
339	0.073387	0.076029	-0.008279	0.048122	0.019051	0.036759	-0.03714	-0.026826	0.047811	-0.012045	-0.029742	0.032678	-0.024707	-0.018325
340	0.00827	0.120462	0.090222	-0.120626	-0.037126	-0.136588	-0.000582	0.012281	0.056724	0.064747	0.167571	0.023043	0.058747	-0.004185

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
1	-0.025438	-0.001181	0.030663	0.020583	-0.003984	-0.032363	0.026843	0.033794	0.033567	-0.000425	-0.019503	0.015899	0.020712	-0.014331
2	-0.015891	0.031646	-0.0397	0.012492	-0.005111	-0.004683	0.064029	-0.022883	0.057345	-0.04041	-0.075693	-0.023128	0.012371	-0.033377
3	-0.019822	-0.004761	-0.013238	0.008571	0.034577	0.011753	0.00843	0.016806	0.023266	-0.015577	-0.037728	0.011799	-0.011714	0.011507
4	-0.015385	-0.046192	0.063752	0.02753	-0.027359	-0.026015	0.066585	-0.013756	0.020016	0.008976	0.085835	-0.051784	0.094077	-0.066302
5	0.06859	-0.046748	0.044942	0.020115	0.102943	0.068336	0.038454	-0.100105	0.004458	0.108608	0.034782	0.046808	0.01226	0.121546
6	-0.018037	-0.011324	0.062248	-0.012072	0.014954	0.056542	-0.020117	-0.100815	0.024707	-0.088129	-0.017873	0.093286	0.000988	-0.036486
7	-0.007408	0.010194	0.041898	0.011574	0.002878	-0.003863	-0.023462	0.039425	0.064737	-0.106122	-0.125555	0.051972	-0.029474	0.018254
8	-0.128398	0.074753	0.083717	-0.135865	0.024778	-0.038923	-0.016499	-0.07169	-0.12916	-0.068616	-0.086173	0.049066	-0.007814	-0.025897
9	0.057106	-0.057294	0.003998	-0.062445	-0.045733	-0.067425	-0.001287	-0.004421	0.000151	-0.062853	-0.006356	0.013414	0.009819	-0.152004
10	0.052379	0.079234	0.049295	0.042165	0.012823	-0.01139	0.031692	-0.00254	0.033549	-0.008871	-0.05345	-0.049823	0.025753	0.001968
11	0.056589	0.123045	-0.028761	0.015238	0.013753	-0.021844	0.00146	0.121934	-0.003275	-0.018656	0.036307	0.068871	0.125124	0.010557
12	-0.057434	0.081054	-0.142379	0.131097	-0.086845	-0.035589	-0.0348	0.055894	-0.156455	-0.08009	-0.071501	0.126668	0.016571	-0.157436
13	0.006217	0.010015	0.023916	-0.018207	-0.003436	0.036559	0.071173	0.006771	-0.07831	0.002651	-0.0239	0.003171	-0.044007	0.029066
14	0.036115	0.046645	0.005233	-0.01251	-0.000406	0.018319	0.092265	0.046785	-0.07196	-0.038752	0.020432	-0.047655	-0.010055	0.001182
15	0.024074	0.002563	0.017559	-0.017185	0.022309	-0.040966	-0.001382	0.04433	0.029781	0.052585	-0.008445	0.002495	0.013409	-0.005105
16	0.094066	0.09989	0.018409	-0.025102	0.064857	0.087271	0.012313	0.133662	-0.099904	0.076513	0.067026	0.094226	0.046865	-0.085305
17	0.016594	-0.013913	-0.114874	-0.064248	-0.043774	0.0001	0.024797	-0.099054	0.013777	-0.041012	-0.060065	0.065732	-0.020393	0.095535
18	0.052548	-0.105065	0.000443	-0.044067	0.021076	0.034888	-0.044349	0.141074	0.011776	-0.028644	0.000425	-0.104903	-0.014532	-0.033985
19	0.000223	-0.021161	-0.012249	-0.059358	0.067696	-0.004544	0.024805	0.028504	0.092443	0.002791	0.015574	0.030272	0.018046	0.070666
20	-0.003132	0.026144	0.046275	-0.002249	-0.004925	-0.016142	-0.016062	-0.020923	-0.029314	0.015465	-0.021081	0.000594	-0.040367	-0.006005
21	-0.048329	0.0501	-0.129867	-0.014377	-0.086857	0.012914	0.03869	-0.028934	0.044904	-0.01074	-0.054939	-0.114281	-0.010267	0.076917
22	0.05419	0.023745	0.016327	-0.008801	0.074293	0.041217	-0.091127	-0.050532	-0.060091	-0.010492	-0.024569	0.041439	0.023374	0.030373
23	0.044918	0.077837	-0.002282	-0.078255	-0.069739	-0.000288	0.012491	0.03878	-0.094284	0.106591	0.014145	0.050187	-0.138233	-0.013786
24	0.106601	-0.028131	-0.091183	0.09028	-0.093412	-0.063339	0.049089	-0.012239	0.02881	0.039685	-0.058014	-0.080251	-0.082176	0.028428
25	0.083748	-0.018286	-0.036782	0.013683	0.011597	-0.043535	-0.011633	-0.016765	0.089661	-0.029495	-0.038883	0.002034	-0.049365	-0.110978
26	0.008141	0.018902	0.027443	0.003027	-0.000431	0.003168	-0.013496	-0.016251	0.009594	0.011237	-0.00743	-0.02729	-0.029966	-0.00716
27	0.008544	0.004639	0.036823	0.021903	-0.005177	-0.000435	-0.013817	-0.011209	-0.01541	0.006353	-0.006291	-0.00893	-0.019624	0.002792
28	-0.050962	-0.017579	0.057217	0.05037	-0.006032	-0.041951	0.01979	-0.027506	0.057137	-0.01007	0.044642	-0.001961	0.061857	-0.029874
29	0.025998	-0.061409	0.045164	0.075311	0.103481	0.043093	0.062549	-0.062161	0.08587	0.077341	0.13044	-0.051964	-0.04202	0.003114
30	-0.011562	0.056662	0.038822	0.081751	-0.019548	0.039954	-0.032791	0.010384	-0.068091	-0.014012	0.024439	-0.045829	0.009377	-0.012712
31	-0.009188	-0.018985	-0.043111	-0.00685	-0.001664	0.023736	-0.012091	-0.002074	0.044344	0.008913	0.007269	0.057446	-0.023303	0.050946
32	0.045235	0.011644	-0.070011	-0.048393	0.063801	0.07581	-0.106551	0.104655	-0.084293	0.033128	-0.09131	-0.102213	0.052104	-0.09137
33	-0.00726	0.033625	0.014322	-0.073979	-0.073145	-0.037736	0.103806	-0.012433	-0.043954	0.059679	0.048444	-0.02064	0.004433	0.013016
34	0.100377	-0.019705	-0.011323	-0.00453	-0.002235	-0.070106	-0.031233	0.004873	0.004048	-0.069397	0.090885	0.041619	-0.038159	0.00436
35	0.086835	0.020836	0.001709	0.047287	-0.049386	0.0628	-0.055954	-0.008461	0.011116	0.055894	0.025681	0.007177	-0.010014	-0.03184
36	0.051385	0.053077	-0.026086	0.099996	-0.051167	-0.030934	-0.045343	-0.007054	-0.110381	0.002375	-0.008316	-0.02262	-0.058733	0.068633
37	-0.007231	0.053305	0.007986	0.02327	-0.001125	-0.002491	-0.035275	-0.00598	-0.034016	0.023697	0.006419	-0.006104	-0.054024	0.015218
38	-0.028533	0.10334	-0.003512	-0.047484	0.057797	-0.042972	-0.071495	-0.054988	-0.086557	0.049613	0.077128	0.039927	-0.058046	-0.042365
39	-0.00226	0.003918	-0.071964	0.043748	-0.036042	-0.008187	0.068118	0.007952	-0.049481	0.05044	-0.031537	0.047674	0.005314	-0.022407
40	0.020433	0.048805	-0.020143	0.005681	-0.0296	-0.043066	-0.012544	0.013114	-0.005257	-0.02954	0.049945	0.038971	0.010306	-0.016836
41	-0.017988	0.030998	-0.076052	0.002518	-0.010567	-0.016423	-0.000799	0.035221	-0.014507	-0.031124	0.013651	0.048465	0.006866	-0.028775

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
42	0.019927	-0.023415	-0.035465	0.028668	-0.009598	0.00805	-0.018271	0.02344	-0.036772	-0.005987	0.009011	0.034777	-0.001513	0.005118
43	0.022457	0.029626	-0.015207	0.005056	-0.003694	-0.01069	-0.031499	0.010974	-0.004726	-0.045716	0.040817	0.037699	0.000911	-0.013705
44	0.017328	0.068872	-0.030459	0.001414	-0.006506	-0.015255	0.015276	0.004415	0.006967	0.039366	-0.010872	0.008104	0.046305	-0.045913
45	0.036116	0.038987	0.009059	0.008089	-0.011777	-0.024396	-0.056871	0.048514	-0.045504	0.003895	0.023504	0.066679	-0.03989	0.010914
46	0.000703	-0.022929	-0.079317	-0.04009	0.012882	-0.025186	0.021655	0.032845	0.059961	-0.053504	-0.024822	0.02833	-0.008037	-0.052077
47	-0.039193	-0.048135	0.053712	0.022063	-0.026143	-0.092588	0.087652	0.042782	-0.072384	0.106373	-0.021816	0.0177	-0.090037	0.046673
48	0.031125	-0.023152	-0.04088	-0.009251	0.008659	-0.020209	0.068578	0.01737	-0.023728	0.048011	-0.006879	0.039884	-0.051392	-0.105752
49	-0.017641	0.020241	0.059495	0.055853	-0.001404	0.057275	-0.029849	0.017592	-0.024806	-0.027715	0.021941	-0.054348	0.033519	-0.001978
50	-0.009088	-0.036285	0.020966	0.009507	0.027685	0.016668	-0.049489	0.017712	-0.008969	0.033518	-0.042531	0.052644	0.002157	-0.078523
51	0.002627	-0.046476	-0.030082	0.028086	-0.064932	0.025225	-0.024392	0.031632	-0.029351	0.042699	0.078774	-0.003724	-0.005251	0.024771
52	-0.073032	0.017896	-0.030063	-0.042542	0.026939	-0.023364	0.024499	0.002103	0.000959	0.021084	0.040446	0.013935	0.068178	-0.052638
53	-0.017835	0.005164	-0.070443	-0.041284	-0.013687	0.016978	-0.023958	0.025105	0.003874	-0.007758	0.037864	0.033169	0.04313	-0.017198
54	0.023452	-0.039803	-0.017814	0.025778	-0.025723	0.024148	-0.018995	-0.013388	-0.083545	-0.037015	-0.025394	-0.003845	-0.036542	-0.042248
55	-0.047069	0.020392	-0.016411	-0.033493	-0.01797	-0.03648	-0.010406	-0.014538	0.027284	-0.007915	0.090636	0.043778	0.001576	0.021493
56	-0.032358	0.001765	0.055585	0.030023	0.008774	0.060977	-0.0241	-0.023132	0.016402	-0.008894	0.028127	-0.008354	0.090369	-0.008308
57	-0.054495	0.074636	-0.012707	-0.023299	-0.058434	-0.038598	0.041719	-0.027936	0.005445	-0.015977	0.047521	-0.019755	-0.014523	-0.049052
58	0.067477	-0.008218	0.015027	0.03436	0.036516	0.031056	-0.003917	0.059563	-0.084016	-0.027253	0.0649	-0.030316	0.005892	0.000803
59	-0.046913	0.208478	0.008315	0.005222	-0.000416	0.012364	0.03761	0.009056	0.076908	0.005179	-0.02339	-0.06328	0.1648	-0.089471
60	0.068543	-0.075117	-0.020136	0.019676	0.02196	-0.02449	0.087633	-0.020896	0.010452	0.013158	-0.058679	-0.008483	0.014245	0.054423
61	-0.004932	-0.03249	-0.007219	0.04733	0.035273	0.053934	0.048983	0.015597	0.008316	-0.034476	-0.025001	0.051243	0.052637	-0.053489
62	0.078436	-0.066824	-0.080722	-0.050143	0.0995	-0.021453	0.007165	-0.010481	0.006539	0.004278	-0.039453	-0.027117	0.008261	0.041056
63	-0.000455	-0.008857	0.015555	0.061686	-0.003618	0.033446	-0.010979	0.009349	-0.02581	-0.008564	0.032345	-0.023485	0.024622	0.016915
64	0.004075	0.003384	0.031636	0.05914	-0.013398	0.042209	-0.026198	-0.003742	-0.048071	-0.050141	0.008412	-0.022488	0.052721	0.031016
65	-0.009573	-0.008269	-0.021717	-0.010173	-0.011339	-0.027612	0.053017	-0.053977	0.027865	-0.083721	0.031487	-0.043545	-0.001258	-0.00162
66	-0.114682	0.089086	-0.060055	0.035349	0.020826	0.009166	0.10524	-0.011718	0.009983	-0.005141	0.001471	-0.078808	0.067184	0.004985
67	-0.060602	0.026447	-0.016766	0.074265	0.106589	0.056801	0.079918	-0.035708	-0.010743	0.045454	0.053099	-0.018355	-0.025577	0.029483
68	-0.133572	-0.128848	-0.00426	-0.0968	0.00852	0.010223	0.020105	0.079099	-0.047169	-0.013814	-0.045887	-0.004546	0.085445	-0.019383
69	-0.026539	-0.036718	-0.053408	-0.026472	-0.01319	0.010076	-0.057029	0.063002	0.021992	-0.001573	-0.003723	0.039326	0.063341	0.040899
70	-0.001067	-0.013037	-0.008261	-0.034044	-0.041393	-0.023	0.014609	-0.053853	0.078699	-0.0365	0.024009	-0.042701	-0.040051	0.068577
71	-0.027331	-0.007276	-0.09109	0.014038	-0.022012	0.092586	-0.016045	0.047038	-0.093883	0.015079	-0.038988	0.040994	0.019187	0.078559
72	0.019379	-0.044213	-0.096196	0.003885	-0.060524	0.056921	-0.001411	-0.004087	-0.035286	-0.054092	-0.006444	0.036894	0.02653	0.094558
73	-0.192528	0.016371	-0.122267	-0.061984	0.022152	-0.005927	0.026973	0.086854	-0.015546	0.004741	-0.03662	0.072535	-0.0509	0.005409
74	-0.009528	0.009628	0.054917	0.049819	-0.009345	0.074373	-0.033816	-0.117641	0.039883	0.089219	-0.067891	0.085341	-0.050745	0.035713
75	0.007609	-0.016403	-0.001233	-0.011626	-0.01323	0.018705	0.044872	0.015473	-0.020289	-0.003686	0.034003	0.005697	-0.012204	0.022687
76	0.027461	-0.008075	0.015348	-0.009748	-0.003665	0.000961	-0.09419	-0.046306	0.003659	-0.010876	0.007433	0.029924	-0.013679	0.056142
77	0.000262	-0.020569	-0.020371	0.00327	-0.024667	0.024948	0.010928	0.009268	0.016269	0.007155	0.039818	0.015086	-0.006742	0.024832
78	0.005121	-0.024347	-0.003734	-0.013369	-0.023531	0.017364	0.025306	0.00376	0.002226	0.004524	0.042298	0.017482	-0.027016	0.018841
79	0.011081	0.000242	0.020312	-0.02921	0.004258	-0.004569	0.020789	-0.024632	-0.030486	-0.006087	-0.047949	0.000284	0.009515	-0.003714
80	0.041539	0.035616	-0.010885	-0.056309	-0.161413	0.045267	0.079411	0.068774	-0.028249	0.073085	0.091588	-0.078174	0.071854	-0.057887
81	-0.027766	0.03232	0.062203	0.043428	0.097014	-0.066615	-0.137544	0.041289	0.095523	-0.045444	0.059055	-0.137083	0.02667	0.013972
82	0.040935	-0.020411	0.049232	0.010954	-0.025601	-0.008005	0.00693	-0.038349	0.043442	-0.022846	0.010476	-0.060783	0.022482	0.010672

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
83	0.008486	-0.029398	0.037955	0.009382	-0.00211	-0.001791	0.000992	-0.015179	-0.019205	-0.033395	0.005256	-0.01154	0.026052	-0.007914
84	0.018142	-0.001026	0.027577	-0.009919	-0.012675	-0.004717	0.00798	-0.037284	-0.002145	-0.007841	0.029804	0.034074	0.011695	-0.006435
85	0.000284	-0.010219	0.027736	-0.047431	0.042973	-0.008156	-0.034324	0.022078	0.017976	-0.11994	-0.146978	0.06795	0.108222	0.02226
86	-0.039701	0.019853	-0.117279	-0.019308	0.059145	0.000369	-0.014901	0.091476	0.006535	-0.0535	-0.021672	0.077066	0.035859	0.113997
87	-0.093236	-0.016324	-0.079988	0.020913	-0.081406	0.027098	-0.002468	0.02782	0.001382	0.038388	-0.030962	-0.029751	0.032798	0.076729
88	-0.000316	-0.007483	0.079339	0.033777	-0.024511	0.00406	0.025686	0.000078	-0.00429	0.028115	0.034134	-0.033943	-0.001384	0.00296
89	-0.012445	-0.027153	0.050636	0.009035	0.008723	-0.012081	-0.002324	-0.029252	-0.009469	-0.003153	-0.009871	0.016133	0.015025	-0.018724
90	-0.019425	-0.049562	0.033657	0.00448	0.052964	-0.000417	-0.004623	-0.045305	0.002938	-0.002864	-0.024243	0.031035	0.051005	0.009509
91	0.014904	0.020421	0.049845	-0.031432	0.020578	-0.030975	0.042121	-0.075598	0.048411	-0.062761	0.051744	0.010342	-0.001393	-0.005758
92	-0.017235	-0.017082	0.001144	-0.026471	0.060521	-0.084992	-0.022481	-0.057503	0.003061	-0.045875	0.095531	-0.08766	-0.141472	-0.09304
93	0.018541	-0.088286	0.031126	0.009956	0.096005	0.021023	-0.039992	0.002235	0.011889	0.001423	0.030018	-0.057118	0.019637	0.006106
94	0.01561	0.044341	0.09191	-0.039441	-0.020021	0.001037	0.022107	0.026377	-0.026197	0.008721	-0.116912	-0.002705	0.007399	0.069136
95	-0.035035	0.046896	-0.012275	-0.046151	0.078727	0.045818	-0.026436	0.151371	0.001773	-0.01994	-0.046069	0.059746	0.019599	-0.077111
96	-0.016194	-0.008688	0.021097	0.068363	-0.056273	-0.012163	0.04638	-0.034698	-0.048917	-0.042294	-0.039813	0.078932	-0.146029	0.090344
97	0.006218	-0.041903	0.021372	0.05535	-0.079964	-0.059537	-0.026864	0.076321	0.006129	0.013959	-0.068726	-0.014974	-0.043536	0.022145
98	0.025787	0.050677	0.00582	0.013788	-0.006703	0.013714	-0.024316	0.000485	-0.019676	0.057702	-0.040945	-0.025277	-0.007303	0.013373
99	-0.032029	0.020006	0.01749	0.037953	-0.019599	-0.021298	0.013725	0.013035	0.014349	0.019426	-0.034239	0.027381	-0.051997	0.029631
100	0.008122	0.033353	-0.031342	0.041332	-0.016405	-0.004976	-0.060928	-0.039016	-0.01112	-0.00988	-0.039847	-0.027589	-0.057783	0.027868
101	0.000455	0.037414	0.027054	0.002723	-0.011783	0.059468	-0.046716	0.010231	-0.012131	0.078455	-0.022283	-0.001275	-0.02552	0.021948
102	-0.034479	-0.090766	0.04356	0.021951	-0.074859	0.051922	-0.087906	0.031667	0.059128	-0.070627	-0.004339	-0.034498	-0.032419	0.070342
103	-0.055349	-0.108108	-0.039825	-0.004001	-0.062405	0.134046	0.108319	0.149594	0.011658	-0.03297	0.064489	-0.103784	-0.056039	-0.024484
104	-0.017883	-0.003732	-0.069043	0.014398	0.03689	0.050454	0.075624	0.006872	-0.060121	-0.00054	0.100505	0.054724	-0.0572	-0.042384
105	-0.062709	-0.074054	-0.068493	-0.027046	-0.073095	-0.014761	-0.034363	-0.017582	-0.073007	0.064572	0.003378	-0.108761	-0.056567	0.029189
106	0.00965	-0.017372	-0.052968	0.043132	-0.013871	-0.01567	0.016508	-0.036579	-0.027161	0.043832	0.060041	-0.100366	0.082591	0.023843
107	0.000502	0.097611	-0.018596	0.01853	-0.054936	-0.045538	-0.037235	0.05072	0.027593	0.083611	0.029534	-0.028104	0.056203	0.060118
108	-0.015179	0.038197	0.053063	0.005769	-0.007305	0.161727	-0.080416	0.044954	0.008628	0.11516	0.047516	0.024549	-0.039912	0.004441
109	-0.046266	-0.128504	0.035807	-0.218939	-0.030554	0.068502	-0.038329	0.019874	-0.068148	-0.054204	-0.001096	0.00318	-0.028873	-0.046527
110	0.192702	-0.062094	-0.124112	0.075529	-0.196431	0.050222	0.04411	-0.02079	-0.112428	-0.024739	0.088965	0.167611	-0.005376	-0.09896
111	-0.021826	0.111096	-0.01578	0.024199	-0.060379	0.06093	-0.126089	-0.078494	0.072083	0.0645	0.097318	0.143976	0.034525	0.081928
112	-0.027912	-0.014423	-0.060701	0.094988	0.044398	0.148222	-0.079819	0.029399	-0.018785	0.016213	0.031519	0.065436	-0.016743	-0.027693
113	-0.072826	-0.009952	0.0192	-0.03405	0.035505	-0.022246	-0.110675	-0.045156	0.007261	0.071522	-0.095716	-0.059957	0.066488	-0.08709
114	-0.033668	-0.016158	-0.081199	-0.016045	0.100052	-0.002044	-0.073142	-0.092661	-0.049799	0.053133	-0.067726	-0.011351	-0.065811	-0.10344
115	0.036403	0.055138	-0.042067	0.031281	0.140298	0.062256	0.107444	-0.076642	0.0544	-0.013905	0.090868	0.076849	-0.045736	0.18268
116	-0.083908	-0.131815	-0.027259	-0.016025	-0.097454	0.206669	-0.173503	0.008068	0.006586	-0.020088	-0.017747	-0.032326	-0.0609	-0.097833
117	0.068987	0.045565	-0.036403	0.060912	0.057271	-0.020211	0.012384	-0.091542	0.014976	-0.064354	-0.029106	-0.019206	-0.119632	0.004589
118	0.027335	0.071331	-0.045542	-0.014476	0.015115	-0.071433	0.041947	-0.041736	0.082263	0.081356	-0.109589	-0.104826	-0.129858	-0.002848
119	0.003516	0.036508	0.005626	-0.029965	-0.049663	-0.019796	0.004065	0.024097	0.05504	-0.011418	0.016447	0.054894	-0.008882	0.096571
120	-0.055514	0.016345	0.03868	-0.07639	0.031396	-0.063047	-0.00724	-0.09483	0.011349	-0.044817	0.017745	-0.049009	-0.04464	-0.025981
121	0.121784	0.006042	0.105732	-0.103032	-0.012271	-0.054852	-0.024844	-0.091842	0.000588	0.011444	-0.010018	-0.027496	0.04847	0.048572
122	-0.00961	0.100569	-0.065095	0.007263	0.043726	-0.013917	-0.024069	0.043733	0.047838	-0.023066	-0.038601	-0.008447	0.025409	-0.07896
123	0.042144	0.15113	-0.046573	-0.005105	0.033929	0.019109	-0.085732	0.015586	0.08315	-0.025429	0.020293	-0.056106	0.079183	-0.027685

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
124	0.028448	0.081156	-0.011365	-0.00498	-0.021573	0.006359	-0.014678	0.019281	0.07634	-0.012236	-0.034247	0.028728	-0.030049	0.03401
125	0.072522	0.044548	0.018926	0.006903	-0.024449	0.029409	0.001119	-0.013552	-0.054647	0.0282	-0.061736	-0.040998	0.017144	-0.042583
126	0.069025	0.085709	0.017422	-0.02497	0.014686	-0.018995	-0.006947	-0.018534	0.095186	0.098401	-0.019209	-0.042265	-0.04042	-0.036844
127	0.052301	0.068385	0.009745	0.027088	-0.028636	0.017234	0.033794	-0.005598	-0.018523	0.050012	-0.028081	0.025018	-0.008603	0.006231
128	0.030289	-0.032519	-0.066337	0.01743	-0.014811	-0.045728	0.076394	-0.019332	-0.005799	-0.034396	0.047223	0.018488	-0.031567	-0.029837
129	-0.091305	-0.189865	-0.070752	0.268193	0.102521	0.073038	-0.037215	0.134251	-0.004821	0.043131	0.031364	0.0629	0.146595	0.130617
130	-0.098302	-0.117511	0.102946	-0.106337	0.182548	-0.003467	0.128157	0.055486	0.035736	-0.126135	0.083275	0.059375	-0.074854	0.086225
131	-0.02477	-0.124503	0.018247	-0.050184	-0.202437	0.0148	-0.088555	0.133777	0.107827	0.092545	-0.046443	-0.025186	0.035517	0.099732
132	0.01099	0.044412	-0.071659	-0.049537	0.00332	0.045208	0.024608	-0.000032	-0.060949	-0.045015	0.037597	0.039288	0.02933	0.085166
133	0.04489	0.019553	-0.006373	0.005337	-0.060463	-0.033253	0.101145	0.108132	-0.13643	0.01142	-0.04148	-0.047652	0.065699	0.055207
134	0.021529	-0.00493	0.112568	0.024301	-0.127307	0.15386	0.038881	0.070819	0.223073	-0.188523	-0.050556	0.162122	-0.06809	0.012891
135	-0.002602	0.039862	-0.004308	0.006188	-0.009167	0.02903	0.032327	0.004477	-0.053882	-0.030706	0.009759	-0.013211	-0.02038	-0.046618
136	-0.013805	0.015345	-0.100947	-0.025936	-0.109933	0.003369	0.00449	-0.052715	0.022286	-0.10274	-0.025472	0.014972	-0.035596	0.1032
137	-0.019718	-0.094743	-0.030671	0.004607	-0.021628	0.018838	0.039057	-0.036774	0.008814	0.103008	-0.130321	-0.030489	0.097506	-0.017231
138	-0.077451	-0.053336	0.121762	-0.038481	-0.007056	-0.125169	-0.071476	0.063842	-0.07403	0.024685	-0.025247	0.070211	-0.132316	0.018319
139	0.07055	-0.139661	0.060622	-0.209906	0.004923	0.174743	0.024846	-0.057217	0.054173	0.186758	0.147104	0.05294	0.091911	-0.035726
140	0.050295	-0.113994	-0.091452	0.031487	0.050311	-0.105073	0.036878	0.063151	0.152254	0.034441	0.019299	0.202098	0.043805	-0.01322
141	0.005529	0.034842	-0.005405	-0.007615	-0.005982	-0.025864	0.034709	0.075519	-0.095565	-0.012124	0.028837	0.005262	-0.083568	-0.075726
142	-0.024014	0.037723	0.057052	-0.033193	0.069037	-0.03119	-0.053589	0.074095	-0.044575	-0.011854	0.016195	0.005235	-0.028491	-0.064452
143	0.004312	0.081989	0.019353	0.031042	0.049344	-0.000469	-0.083556	0.108143	-0.058178	-0.040898	0.090984	-0.044961	0.019638	-0.087183
144	-0.012115	0.032569	-0.000364	0.079204	0.024803	0.012545	-0.033911	0.150623	0.035825	-0.007105	0.080694	-0.025083	0.046277	-0.008672
145	0.005223	0.034344	-0.08295	0.088347	-0.018405	-0.014301	-0.01265	0.037496	0.026287	-0.094155	-0.005777	-0.087259	0.042271	-0.021208
146	-0.01362	0.020315	0.035898	-0.035049	-0.00452	0.021579	0.021285	0.002545	0.012488	-0.016124	-0.003615	-0.026182	0.037399	-0.024523
147	-0.056451	-0.008451	0.155318	0.008516	0.092452	-0.079669	-0.055965	0.025477	-0.047235	-0.030142	0.076399	-0.058148	0.042934	-0.058295
148	-0.110534	-0.126612	-0.142992	-0.004018	0.073774	-0.028409	0.002878	0.048531	0.165035	0.179014	-0.029315	0.048566	-0.093451	-0.103166
149	-0.026849	0.020295	-0.052711	0.00125	-0.05201	-0.003196	0.045884	-0.001286	-0.029516	-0.002224	-0.003952	-0.001756	0.009538	-0.008193
150	-0.010474	-0.021723	0.013504	0.007443	0.077763	0.079394	-0.037054	-0.032151	0.028485	-0.026648	-0.033009	-0.071031	-0.057118	-0.137832
151	0.04152	0.028286	0.024259	0.153918	-0.021775	0.102571	0.159125	0.10133	0.027109	-0.080375	0.092425	-0.086708	0.036036	-0.088921
152	-0.031409	0.052258	0.000905	0.007656	-0.073212	0.010666	-0.015886	0.001729	0.006318	-0.005081	0.070884	0.078226	0.053502	0.009434
153	0.018519	0.004545	0.029906	-0.093842	-0.062673	0.035573	0.046668	0.035617	-0.011829	-0.067202	0.079118	0.022154	-0.005576	-0.053126
154	-0.032793	0.015595	0.051969	-0.048212	-0.054901	0.006799	-0.056006	-0.004466	0.00643	-0.083471	0.067243	0.009671	-0.010283	0.001811
155	-0.021703	0.04217	-0.016166	-0.099783	-0.050142	-0.019641	-0.032733	-0.058926	0.049096	-0.026314	0.129617	-0.001356	0.101234	0.157574
156	-0.040255	0.082779	0.161813	0.003026	-0.07424	-0.010791	-0.102434	0.043563	0.001184	-0.072786	0.13935	-0.010417	-0.028303	0.014292
157	0.079332	0.062409	-0.016684	0.022519	0.069276	-0.042558	0.006953	-0.072886	-0.020253	0.001863	0.033965	0.00543	0.010491	-0.054835
158	-0.020406	0.125	0.134822	-0.077041	-0.134131	0.033403	0.013625	-0.08701	-0.098808	-0.018543	-0.003117	0.143532	-0.010991	0.054805
159	0.011075	-0.167164	-0.042451	0.131225	-0.005213	-0.037692	0.016641	-0.171408	-0.040462	-0.023377	0.076449	-0.061579	-0.084318	-0.134954
160	0.098665	-0.103418	0.017772	0.100778	-0.191224	-0.14609	-0.087293	-0.060094	-0.019344	0.004582	-0.10408	0.068577	0.061924	-0.218558
161	-0.126116	-0.172397	-0.01653	-0.078368	-0.024138	0.036202	-0.059487	-0.006044	-0.060702	0.005684	0.05346	0.185247	0.057782	-0.029012
162	0.005534	-0.028729	0.029071	0.050178	-0.096421	0.09025	-0.058207	0.035261	-0.068877	0.058174	-0.0787	-0.065327	0.02532	-0.006997
163	-0.008823	0.058162	0.013775	0.051419	-0.028643	-0.026423	-0.040728	-0.000328	-0.060633	0.006861	-0.00452	0.061791	0.058038	-0.040966
164	-0.022378	0.008426	0.018315	0.0511	-0.02044	-0.046732	0.053378	-0.001844	-0.047121	0.116869	0.015147	-0.14542	-0.002903	0.0055

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
165	-0.021106	0.080251	-0.089566	-0.059705	-0.004349	-0.058747	0.064775	0.066269	-0.02064	0.037515	0.041639	-0.128918	0.166052	0.170792
166	0.012473	-0.003688	0.027168	-0.042789	0.031708	-0.006532	0.033481	0.111455	-0.014761	0.020724	-0.08293	-0.040515	-0.140362	-0.039255
167	-0.010539	0.027721	-0.026112	-0.054416	0.085987	0.021333	0.032944	0.007295	-0.018829	0.083736	0.043038	0.010054	0.04177	0.02252
168	-0.054425	-0.013559	0.047884	0.044912	0.027405	-0.146231	0.054785	0.095626	-0.024719	0.009154	-0.112146	0.011897	-0.005165	0.041036
169	-0.036689	-0.01481	0.068306	-0.022818	0.032134	0.042195	-0.023889	0.006491	-0.057766	-0.003368	0.020865	-0.016637	-0.016018	0.041568
170	-0.016705	-0.03603	0.063748	-0.009945	0.035392	0.038765	-0.032319	0.023188	-0.040889	-0.027749	0.017996	-0.021017	-0.048226	0.098278
171	-0.020709	0.026891	0.058424	-0.045283	0.045406	-0.003306	-0.041264	0.031995	-0.007054	0.026321	0.047017	0.011656	-0.027834	0.051076
172	0.005604	-0.029005	0.047779	-0.030935	0.019734	0.046743	0.024489	-0.014186	0.040389	-0.073919	0.002045	-0.041736	0.026786	0.00929
173	0.020285	-0.053937	0.029979	-0.027546	0.013198	0.053408	0.046402	-0.043856	0.011978	-0.0047	-0.045095	-0.009907	0.069723	0.044945
174	-0.018178	-0.119554	0.051017	-0.053694	-0.018424	0.002392	0.021911	-0.029129	-0.029593	-0.030275	-0.03988	0.046944	0.062745	0.02104
175	-0.06364	-0.082909	0.023528	-0.049154	-0.012701	0.055359	-0.011393	-0.147748	0.057087	-0.086092	-0.106264	-0.099849	0.095524	-0.030119
176	-0.064347	0.05566	0.062949	-0.060938	0.013768	0.025109	-0.055697	-0.064116	-0.031102	-0.002775	-0.009447	-0.058484	-0.025114	0.104414
177	-0.049331	-0.100705	0.038532	-0.04075	0.00113	-0.075138	0.157147	0.003548	0.022518	-0.036035	0.146566	0.111711	-0.102326	0.012485
178	-0.023621	0.010549	-0.031772	0.041135	-0.011917	0.00883	0.045505	-0.025715	0.014322	0.132058	0.008582	-0.040333	0.058256	0.015536
179	-0.008494	0.067512	0.014077	-0.002355	0.004358	-0.058225	-0.035367	0.005769	0.008793	0.066586	0.008931	-0.004108	-0.034783	0.017416
180	-0.006184	0.02388	0.007241	-0.00267	-0.003723	-0.009777	-0.002206	-0.006633	0.004322	0.0678	-0.025372	0.001474	-0.041383	0.030654
181	0.021453	0.04264	-0.000155	-0.018311	-0.005767	0.000798	-0.01612	-0.013173	-0.001755	0.049672	0.002249	0.004329	-0.024278	0.036691
182	-0.021914	0.042725	-0.015526	0.015697	0.007984	-0.033645	-0.026152	-0.037216	0.026042	0.003609	-0.018006	-0.001674	-0.062371	0.042459
183	0.004023	0.101467	-0.006268	0.009796	0.000368	-0.055005	-0.122567	-0.03187	0.06322	0.030582	0.024974	-0.01781	-0.074243	0.020167
184	0.021969	0.046026	0.011334	0.054777	0.001329	-0.023254	-0.199224	0.010732	0.074063	0.033879	0.066189	-0.001399	-0.005267	0.023585
185	-0.055744	0.032113	-0.080098	-0.035739	0.064518	-0.03295	0.016566	-0.036592	0.003577	-0.143926	0.000072	-0.00385	-0.063951	-0.117408
186	0.004999	-0.069175	-0.092791	-0.169576	0.098551	-0.048518	0.080872	0.02931	0.079061	-0.089984	0.039265	0.030891	-0.015043	-0.007338
187	-0.014504	-0.021225	-0.001081	0.032383	-0.026182	0.038092	-0.016442	-0.044659	0.024585	-0.007549	-0.050545	-0.060634	-0.049904	0.053745
188	-0.027741	-0.089317	0.042755	0.013081	-0.060418	0.013162	-0.069594	-0.040458	-0.004353	-0.02709	-0.033035	-0.041092	-0.048425	0.069306
189	0.007845	-0.11287	0.070929	-0.00306	-0.053477	0.032567	-0.19813	-0.081903	-0.020209	-0.029716	-0.060629	-0.041537	-0.088024	0.020207
190	0.025113	0.023976	0.011706	-0.038351	-0.019657	0.017859	-0.016454	-0.01918	0.027737	0.0083	-0.047082	-0.026409	-0.050535	0.011632
191	0.017788	0.019774	0.011466	-0.019298	-0.016573	-0.035677	0.008458	0.00581	0.035422	-0.026186	0.031461	0.06429	-0.066615	0.036239
192	-0.021124	0.070008	0.038187	0.086468	-0.066954	-0.043778	-0.031117	0.058726	0.038826	0.016988	-0.011875	0.045128	-0.041141	-0.038033
193	-0.028308	0.029244	0.025373	0.025308	-0.045716	-0.031152	-0.045895	0.009768	0.058378	-0.060963	-0.027425	-0.028008	-0.001952	0.007641
194	-0.038312	0.034392	0.099086	0.026486	-0.00366	0.035097	-0.060277	0.033662	0.046015	-0.072783	-0.078391	-0.104699	-0.031777	0.070671
195	0.0882	0.041025	-0.096589	-0.073827	0.007788	0.049675	-0.037166	0.017907	0.045789	-0.000665	0.002475	0.072752	0.054354	-0.056733
196	0.025064	0.013082	-0.039242	-0.037829	0.007279	0.083482	-0.013327	-0.03999	0.052366	-0.016867	-0.028944	0.060716	0.018086	-0.027091
197	0.001961	0.06098	0.000073	0.010962	-0.01233	-0.006875	0.065348	-0.060123	0.000726	-0.072425	0.007236	0.027493	-0.021784	0.003086
198	-0.006972	0.047247	-0.09303	0.009568	0.094013	-0.029267	-0.005945	-0.032779	0.12249	0.001707	0.035264	-0.043662	0.006876	-0.042724
199	-0.11829	-0.0891	0.028529	0.076641	0.018319	-0.125228	0.044528	0.031972	-0.189994	0.111581	-0.011289	-0.018097	0.127495	0.099188
200	0.060288	-0.02936	-0.02671	0.007931	-0.034413	0.024924	0.110872	0.030386	0.000128	0.058569	0.026041	-0.021495	0.065397	-0.049653
201	-0.179365	0.086452	-0.132792	-0.110226	-0.112493	0.102571	-0.077029	0.033097	-0.068729	0.163929	-0.080303	0.112319	-0.118784	0.027751
202	-0.005193	0.087845	-0.07472	0.049739	0.0531	0.015078	0.093661	0.012215	0.073221	-0.03196	-0.004014	-0.016099	0.05343	-0.003853
203	0.030235	-0.092832	-0.052037	0.104357	0.016179	-0.074852	-0.022765	0.019036	-0.008897	-0.038588	0.045789	-0.078033	0.00387	0.060175
204	-0.080526	0.001312	-0.077744	0.064503	0.143759	0.11608	-0.043812	-0.027319	0.050903	-0.023031	0.082545	0.007544	-0.073391	0.003519
205	0.164307	0.05408	0.104833	-0.019546	-0.035272	0.042631	0.120673	0.04954	0.02159	0.044899	-0.052891	0.041325	0.031628	-0.053845

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
206	-0.028519	0.064443	-0.009584	-0.090391	0.013816	0.214244	0.002254	0.167339	0.089753	0.050526	-0.107266	0.121892	-0.009189	0.00757
207	0.088745	0.047066	-0.04384	-0.130145	0.037478	0.062347	0.037114	-0.185338	-0.114702	0.134675	0.066704	-0.109546	-0.006972	0.087586
208	0.007984	-0.0076	0.000373	0.011729	0.054764	0.121848	0.050536	0.047925	-0.050036	-0.092032	0.146331	0.026791	-0.029616	0.070139
209	-0.063516	0.090345	0.115909	0.119356	-0.029654	0.075148	0.071232	0.025532	-0.142988	-0.166706	-0.058458	-0.024119	-0.028322	0.040361
210	-0.171403	-0.013339	-0.093892	0.135101	-0.166641	-0.000544	0.030247	-0.225954	0.069338	-0.081036	0.097706	0.016927	0.078738	-0.04576
211	-0.03897	0.01651	0.026644	0.024972	-0.107258	0.111492	0.050711	-0.024107	0.147948	0.062168	0.11018	0.005592	-0.101027	-0.042746
212	0.126763	-0.041372	0.002168	-0.045003	-0.021974	0.003558	-0.08532	0.015675	0.059903	0.099077	0.136431	-0.103184	-0.007154	-0.133427
213	-0.080845	-0.040174	-0.091878	0.031912	-0.064383	-0.202139	-0.161282	0.071274	0.182498	0.00992	0.081276	0.024414	-0.025448	0.117278
214	0.035591	0.049689	0.002959	-0.002113	0.008243	0.008031	-0.075066	-0.02216	0.013031	0.073533	-0.022829	0.017549	-0.054166	0.005599
215	0.011346	0.096203	0.014771	0.021064	0.028121	-0.054934	0.069775	0.02846	-0.054975	0.043878	0.073411	0.028208	0.030477	-0.07355
216	-0.014582	-0.009828	0.015565	0.053693	0.017261	-0.0498	0.059455	0.019325	-0.035537	0.05973	0.009776	0.000538	0.0029	0.025432
217	0.008725	0.020651	-0.000485	0.036891	0.013974	-0.030802	-0.041325	0.026357	0.066388	-0.027512	0.016531	-0.02136	0.01564	0.021901
218	0.031976	-0.010729	-0.017781	-0.035912	0.049204	0.046804	-0.001136	-0.025575	-0.010125	-0.033446	0.014117	0.03025	0.072115	-0.027207
219	0.022777	-0.007889	-0.014351	-0.024469	0.067146	0.054699	-0.056313	0.007564	-0.030728	0.00244	0.055023	-0.003824	0.068423	-0.012074
220	0.09044	-0.013615	0.009206	0.029432	0.043651	0.01251	-0.002966	-0.020382	0.06113	-0.070827	-0.04476	-0.008848	0.025738	0.056362
221	0.042965	0.064789	0.026259	-0.060193	0.012	0.000982	-0.004742	-0.042434	0.019865	-0.018557	0.015259	-0.007932	0.032536	-0.029134
222	0.062301	0.027984	0.078306	0.027999	-0.031426	0.029282	-0.027069	-0.003636	-0.021885	0.009105	0.025461	0.059801	0.044497	-0.020852
223	0.044659	0.016877	0.032361	-0.035966	0.008687	0.055508	-0.003909	0.000636	0.009395	-0.032672	0.012561	0.000749	0.044522	0.036772
224	-0.078248	0.053506	0.043066	0.04282	0.055852	-0.037903	0.061619	0.016226	0.014089	0.139455	-0.0196	0.080082	-0.07173	-0.017678
225	-0.074271	0.042734	0.019589	0.035142	0.051339	-0.06591	0.042492	0.036807	-0.001172	0.121207	-0.024739	0.069691	-0.034163	-0.010901
226	-0.01102	-0.014376	0.025369	0.021706	-0.00043	-0.00073	-0.046024	0.018572	0.003369	-0.070983	0.00152	0.027031	0.003412	-0.05333
227	-0.125749	-0.017969	0.084005	0.085627	0.05598	-0.00476	0.091558	0.006576	0.028188	0.038974	-0.068267	0.085992	-0.043128	-0.094308
228	0.047839	-0.01919	-0.028351	0.020149	-0.032058	-0.012752	-0.022278	-0.006682	-0.013655	-0.032698	-0.039111	-0.022934	0.011118	-0.00849
229	0.16117	-0.01272	-0.076569	-0.075207	-0.035023	-0.026861	-0.061754	0.071443	-0.084104	0.009387	-0.009732	-0.031759	-0.048964	0.078912
230	0.035847	-0.045764	0.045671	-0.010331	-0.039634	-0.043631	0.108597	-0.003852	-0.024044	0.079654	-0.076987	0.02686	-0.019022	-0.001205
231	-0.081758	0.016779	0.056988	-0.01831	-0.043754	0.025559	0.064244	0.033934	0.014282	-0.159262	-0.014863	-0.048672	-0.02626	-0.031358
232	0.031074	0.020869	0.004372	-0.01839	-0.051392	-0.054135	-0.021944	-0.046986	-0.00587	-0.005527	0.01492	0.051122	0.029331	-0.07908
233	0.009788	-0.071095	-0.092238	-0.075493	-0.047263	-0.070723	0.0411	0.003131	0.013826	0.029577	0.039062	0.05522	0.056367	-0.047734
234	-0.021969	-0.067756	-0.034878	-0.052552	-0.027107	0.018104	0.092254	-0.006842	-0.114192	-0.06401	-0.053484	-0.076349	0.066492	-0.01117
235	-0.067686	-0.035467	0.060973	-0.051405	-0.004426	-0.000336	0.071454	0.033945	-0.034796	-0.091561	-0.018705	-0.08407	0.066788	-0.027859
236	-0.028216	0.003589	0.059722	-0.009621	0.007364	0.017655	-0.011128	-0.020093	0.032109	-0.005342	0.003165	-0.013112	-0.004939	0.012529
237	-0.060192	-0.044528	0.017056	-0.020319	0.01988	0.000154	-0.019359	-0.007701	-0.045119	0.02591	0.008613	-0.02557	-0.038862	-0.003825
238	-0.01996	-0.016038	-0.0235	-0.035383	-0.035116	0.033401	-0.011021	0.02575	-0.007996	0.003956	0.052748	-0.014173	0.01011	-0.00564
239	-0.018152	0.022049	-0.07636	-0.02507	-0.034442	0.024353	-0.006239	0.014649	0.012636	-0.023154	0.078896	0.011432	0.060493	-0.021426
240	-0.04157	-0.028323	-0.060764	0.024853	-0.011943	0.053135	0.004277	0.03124	0.007063	0.020896	0.006102	-0.07142	-0.001658	-0.024353
241	-0.026029	-0.060539	-0.106986	-0.025002	-0.03046	-0.01141	0.008254	-0.007232	0.008131	0.042999	0.039618	-0.023754	-0.000671	-0.018897
242	-0.011399	0.000012	0.040995	-0.059831	-0.015831	-0.031588	0.035534	-0.016853	0.04156	-0.022802	0.024978	-0.024135	0.014245	0.021159
243	-0.066157	0.007011	0.002016	-0.073932	-0.025282	-0.055274	0.003514	0.032053	0.01195	-0.025547	0.035889	-0.022618	-0.009459	-0.067829
244	-0.043419	0.088514	-0.016079	-0.015588	-0.030863	-0.018363	0.040236	-0.010259	0.032791	0.012918	0.0221	-0.043116	-0.016827	-0.012007
245	0.008367	0.00649	-0.00417	0.020875	-0.019206	-0.04128	-0.006882	0.056465	-0.046758	0.032253	0.083457	-0.007006	-0.017793	0.02441
246	0.089087	-0.083417	-0.002186	0.033545	0.046276	-0.012815	0.028243	-0.018264	-0.073239	0.016374	-0.011917	0.023762	0.0144	0.029579

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
247	0.046078	-0.040553	-0.01466	0.012522	0.036737	0.00172	-0.000983	-0.011044	-0.001302	0.029987	-0.032701	-0.002175	0.045126	-0.006173
248	0.037941	0.009286	0.001948	0.006607	0.028971	0.027355	-0.017584	0.005148	0.03643	-0.017333	-0.024819	0.018161	0.053412	-0.048581
249	0.015459	-0.049071	0.024088	0.054002	-0.01548	0.049514	-0.038952	0.071913	-0.002032	-0.012367	0.021259	0.044088	0.015197	0.005589
250	-0.019298	-0.003269	-0.055918	0.013775	0.023004	0.058822	0.0486	-0.041809	-0.017065	-0.0015	-0.033818	-0.053888	-0.028565	0.041859
251	-0.075387	-0.004733	-0.049436	-0.036391	0.029996	0.073417	0.041468	-0.039634	-0.018207	-0.013607	-0.016177	-0.069309	0.003055	-0.001467
252	-0.070359	0.039029	-0.110604	-0.055033	-0.031994	-0.050113	-0.004128	-0.012482	0.012852	-0.078663	0.039692	-0.000139	0.021786	-0.034382
253	0.021184	0.01903	0.010498	0.001943	-0.050444	-0.0543	-0.0564	0.056052	0.001682	-0.010255	0.014283	-0.02024	-0.023152	0.053279
254	0.000002	-0.007243	-0.01801	-0.008058	0.03506	0.039865	0.013708	0.016974	0.018879	-0.015951	0.029303	-0.040652	-0.034624	0.056454
255	-0.005886	-0.02339	-0.001011	0.000519	0.02207	-0.012042	0.050232	-0.02823	-0.001681	-0.02868	0.000896	-0.071125	-0.044777	0.024004
256	0.078875	-0.086426	-0.043757	0.011536	-0.014435	-0.130742	-0.020789	0.033501	-0.061377	-0.045493	0.047044	0.0291	-0.049167	0.073631
257	0.030686	0.021639	0.028254	0.058429	-0.017915	-0.031237	0.010286	-0.044848	0.018104	0.00604	-0.001539	0.082401	0.05167	0.012485
258	-0.057685	0.009558	0.067563	0.069297	-0.042643	-0.007424	0.021671	0.00098	0.00878	0.067895	0.011784	0.029792	0.048625	-0.001858
259	0.014333	-0.022778	-0.004326	0.006941	0.003526	0.065195	-0.018004	-0.005268	-0.011567	-0.000054	-0.007887	0.015271	-0.016171	0.027176
260	-0.008295	0.008541	-0.150639	-0.027962	0.034303	0.026376	-0.040897	-0.014622	-0.015248	-0.048202	-0.080965	-0.036064	0.012993	0.035715
261	-0.025799	-0.017672	-0.114726	-0.043982	-0.005561	0.070464	-0.030851	0.00441	-0.024233	-0.067021	-0.067436	-0.03576	0.030011	-0.008713
262	0.024202	0.028639	-0.020923	0.002497	-0.030785	0.020572	-0.00807	-0.019501	0.018579	-0.019353	-0.03907	0.006603	0.047821	-0.030336
263	0.013137	0.041145	0.009558	0.014831	-0.026387	0.000235	-0.011289	-0.017477	0.04425	-0.027301	-0.022672	0.006921	0.042364	-0.004039
264	0.023408	-0.026245	0.047112	0.061625	0.025862	0.037403	-0.054206	0.015941	-0.015918	0.027315	-0.034005	0.007911	-0.074142	-0.007258
265	0.049021	-0.04494	-0.064714	0.028522	0.062757	0.010136	-0.082317	0.056257	-0.023549	0.019543	-0.050924	0.037138	-0.066859	0.003675
266	0.04035	-0.033595	-0.103463	-0.020882	0.030837	0.021152	-0.044873	0.057316	-0.019145	-0.020707	-0.011023	-0.010908	-0.065945	0.004251
267	0.031847	-0.017551	-0.07846	0.032487	-0.02237	-0.031101	-0.060895	0.081395	-0.048827	-0.034666	0.021075	0.034116	-0.032936	0.096687
268	-0.017488	-0.003926	-0.005753	0.026653	0.011742	-0.024263	-0.026084	0.004005	-0.001867	-0.043414	0.021405	0.017564	-0.002678	-0.028572
269	-0.016665	0.014498	0.021654	0.005507	0.022158	-0.017174	-0.028642	0.001058	0.012594	-0.048891	0.001937	0.004814	-0.028077	-0.03123
270	-0.050344	0.007107	0.017303	0.066184	0.034197	0.017558	0.020645	-0.00775	0.041478	-0.04045	-0.057334	0.01768	-0.00459	-0.042104
271	0.064708	0.056418	-0.053328	0.047585	0.054978	0.015118	-0.063847	0.134049	-0.0344	0.005764	0.025487	-0.060192	-0.077387	0.104362
272	0.134245	0.006814	-0.068873	-0.086625	-0.028546	0.010031	-0.090245	0.082444	-0.059011	-0.014068	-0.009057	-0.059728	-0.02461	0.058132
273	0.061176	0.000835	0.00686	-0.062385	-0.001143	-0.001251	0.016806	-0.027139	0.047907	0.013895	-0.076577	0.018099	0.038163	-0.017528
274	0.059584	0.000561	0.011655	-0.069314	-0.000213	0.001682	0.014798	-0.017629	0.056454	0.022599	-0.093486	0.012302	0.01929	-0.015258
275	-0.002354	-0.03966	0.079262	0.02551	0.027623	0.048894	0.11945	-0.005776	0.057599	0.101738	-0.146532	0.013777	-0.003802	-0.042516
276	-0.016281	0.008634	0.027299	-0.038081	-0.019683	0.030983	-0.026442	-0.008804	0.007959	-0.015832	0.01052	-0.033497	-0.015652	0.056298
277	-0.063528	0.019214	-0.015091	-0.024665	-0.010254	0.002154	-0.017285	-0.000361	0.008491	0.050847	-0.013126	0.015903	0.026118	-0.016684
278	-0.059081	0.057914	-0.026962	-0.033937	-0.02068	0.0257	-0.001611	-0.003006	0.017187	0.0391	-0.044449	0.011343	0.012791	-0.018308
279	-0.02256	0.053272	-0.066244	-0.050455	-0.027279	0.045526	-0.018668	0.019024	0.023506	-0.019638	0.030869	-0.021893	0.026771	-0.028342
280	-0.044723	0.005296	0.067146	-0.04481	-0.047904	-0.084172	0.023822	0.037922	0.007704	0.016021	-0.021942	0.009227	-0.064113	0.023139
281	0.067909	-0.073633	-0.002152	0.05112	-0.022856	0.010909	0.024289	0.03229	-0.052435	-0.016929	-0.051426	0.021742	-0.03407	0.022729
282	0.03213	-0.018637	0.007321	0.042009	-0.038042	0.006063	0.085827	0.007681	-0.026174	-0.002677	-0.077036	0.041371	-0.029117	0.00766
283	0.037271	-0.00352	-0.034327	-0.045189	0.033694	0.043499	-0.016207	0.020388	0.056647	-0.025493	-0.087007	-0.025418	0.00631	-0.057435
284	0.019027	0.02303	0.024136	0.025787	-0.011748	-0.021535	0.006833	-0.022208	0.016551	0.006397	-0.023617	0.037134	0.015524	0.017041
285	0.007132	0.038204	0.00855	0.035097	-0.009602	-0.005318	0.031708	-0.042987	0.020145	0.003226	-0.026145	0.063519	0.021364	0.010408
286	-0.089379	0.017901	0.050196	0.075612	-0.074659	-0.018887	0.035859	0.003184	0.016554	0.067672	0.033219	0.028082	-0.012239	0.036091
287	-0.092712	0.036229	0.048119	0.068151	-0.071719	-0.007193	0.038461	-0.001531	0.02967	0.05372	0.015877	0.01321	-0.010334	0.001574

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
288	-0.033529	0.004827	0.094775	0.048889	-0.034631	0.026489	-0.003745	-0.014011	0.007927	0.058158	-0.050386	-0.012098	-0.006211	-0.00292
289	0.034241	0.023927	-0.010786	0.038832	-0.011135	0.011138	0.017792	0.000012	0.032235	0.018056	-0.074673	-0.004235	0.043913	0.000361
290	-0.033648	-0.058309	0.041841	0.035057	-0.014177	0.01052	-0.01385	-0.015722	-0.024932	0.032622	0.011719	-0.056104	0.00841	0.005813
291	-0.03575	-0.058643	0.037967	0.038825	-0.010999	0.016383	-0.008033	-0.011591	-0.027644	0.033131	0.010776	-0.051167	0.00468	-0.000246
292	-0.033133	-0.065764	0.045847	0.03383	-0.023349	0.022692	-0.008884	-0.027178	-0.031385	0.015777	0.033888	-0.062027	-0.009905	-0.007926
293	0.069537	-0.063654	0.0371	-0.029176	0.017603	-0.032789	-0.000103	0.026845	-0.020817	-0.044462	0.065075	-0.043297	-0.044301	0.00165
294	0.02121	-0.042796	-0.004757	-0.013789	-0.01156	0.017499	0.016201	0.00479	-0.014486	-0.035359	-0.0194	0.003539	-0.001079	-0.058591
295	0.122685	-0.035679	-0.003333	-0.10157	0.002643	-0.040683	0.016314	-0.001565	0.04226	-0.014218	-0.028851	0.003937	-0.016737	0.015862
296	0.039419	-0.070763	0.00222	-0.071113	0.001987	-0.025774	-0.016056	0.011911	0.046788	-0.001886	-0.152219	-0.016244	0.065904	0.029611
297	0.106112	-0.03705	-0.036498	-0.077023	-0.043844	-0.024718	-0.009473	-0.016401	0.016819	-0.047302	-0.001448	-0.025388	-0.029116	0.038576
298	-0.069656	0.020407	-0.060303	-0.079259	-0.040872	0.062157	-0.034297	-0.069506	-0.061563	0.02308	-0.00562	-0.059082	0.025502	0.073559
299	0.010414	-0.017226	-0.075192	-0.057351	-0.034708	-0.003635	-0.032303	0.039255	-0.03086	-0.072299	0.057222	-0.053322	-0.071919	-0.038344
300	-0.08266	0.034602	-0.03058	-0.028686	-0.066112	0.088435	0.054536	-0.029621	0.049508	0.034469	-0.095107	-0.091703	0.04288	0.041555
301	0.081016	0.015312	-0.036711	-0.045394	0.007269	-0.019344	-0.024548	-0.011241	-0.035209	-0.043941	0.017086	-0.013382	-0.013472	-0.026617
302	0.039566	0.01124	-0.015339	0.027262	0.026465	0.031282	0.018835	-0.003339	0.011664	-0.009123	-0.000643	0.015685	0.024271	-0.024147
303	-0.065506	0.050353	-0.091079	-0.048306	-0.091554	-0.002953	-0.022127	0.01477	-0.053168	-0.035471	0.040166	-0.080803	-0.043308	-0.088872
304	-0.066893	0.024537	-0.067621	-0.044475	-0.073966	0.049551	-0.008229	0.037799	-0.041747	-0.025389	0.015522	-0.064574	-0.034655	-0.069789
305	0.10155	0.028515	-0.04155	0.000568	0.056154	-0.021098	0.007458	-0.057157	-0.015531	-0.044486	-0.014128	-0.015844	-0.005917	-0.015943
306	-0.017168	-0.039906	0.049418	-0.017429	0.092018	-0.062644	-0.006871	0.064776	-0.046313	0.082995	-0.055487	-0.095525	0.116844	-0.070727
307	-0.004033	0.017156	0.091365	-0.103033	-0.228199	-0.022906	0.134609	0.217929	0.186869	0.035198	0.004067	-0.104833	-0.029988	-0.016373
308	0.051726	-0.040267	-0.062116	-0.057926	-0.08923	-0.22015	0.005869	0.04143	0.024513	-0.017116	0.042204	-0.025739	0.172383	0.139523
309	-0.046459	-0.031754	0.018997	0.029672	0.039362	0.00602	0.007193	0.014377	0.024336	-0.048646	0.013497	-0.017978	-0.014476	0.017786
310	-0.075384	-0.022039	0.025614	0.040528	0.018163	-0.0396	0.021619	0.097551	-0.000889	0.054566	-0.047253	-0.064484	-0.081628	0.016253
311	-0.027687	-0.025701	-0.026439	-0.048322	-0.004357	-0.007196	-0.050403	-0.039273	0.062653	0.023408	0.014983	-0.048928	0.011646	-0.00467
312	0.017971	-0.05185	0.079647	-0.039113	-0.114165	0.029198	-0.062863	-0.042525	-0.106762	-0.018517	0.060076	-0.048999	0.037955	-0.077677
313	-0.017253	-0.016085	-0.039262	-0.000188	0.004647	0.013765	-0.032368	-0.035914	0.032586	0.040963	-0.010997	-0.022801	0.001176	0.040528
314	0.020031	0.021718	-0.123363	0.090747	-0.013442	0.149011	0.13851	-0.057361	0.055731	0.00479	0.008757	-0.180931	-0.167537	0.016503
315	-0.070615	-0.007459	-0.018954	-0.009391	-0.011478	-0.02706	0.000094	0.005682	0.001049	0.000946	0.012639	-0.061838	-0.0562	0.017394
316	0.068494	0.055116	-0.053771	-0.03544	0.122713	-0.041192	-0.003437	-0.098153	-0.023317	0.08462	-0.119903	0.016772	-0.070061	0.014703
317	-0.000122	-0.013614	-0.007285	-0.000415	0.046863	-0.004154	-0.017285	-0.013188	0.022492	-0.030068	-0.041474	0.00095	-0.034522	0.027355
318	0.034643	-0.005555	0.027812	-0.076435	-0.006717	0.016893	0.018996	0.001066	0.031784	-0.005387	0.048361	0.024799	-0.127676	0.056513
319	-0.081434	-0.005329	0.026689	-0.041745	-0.000718	-0.033143	0.0044	0.02018	-0.002857	-0.014614	0.020385	-0.033906	-0.048937	0.004404
320	-0.029332	-0.098802	0.038034	-0.061924	0.019185	-0.037207	-0.005568	-0.051289	-0.02825	0.044906	0.062673	0.083162	0.089285	0.001395
321	-0.031639	-0.032711	-0.095623	-0.010814	-0.111546	-0.04834	0.067527	-0.058811	0.028543	0.006734	-0.013005	-0.006513	-0.008586	-0.030095
322	-0.018558	0.065757	-0.032113	0.04903	-0.063521	-0.066999	0.066234	0.007781	-0.00169	-0.149867	-0.093872	0.019128	-0.075052	0.075612
323	-0.10804	0.036126	-0.034246	-0.035808	-0.034206	-0.023352	0.011177	-0.115225	-0.051545	0.080647	0.064701	0.004562	-0.035529	-0.009959
324	0.031298	0.005238	-0.048066	0.066024	0.085698	0.121413	0.005359	0.088412	0.052561	-0.01906	-0.020158	-0.054143	-0.005964	0.000893
325	-0.020137	-0.03699	0.006869	-0.003895	0.026561	0.004302	-0.033502	-0.004584	-0.011807	-0.056592	-0.068679	-0.045614	0.00722	0.00162
326	-0.017513	-0.021795	0.013476	0.105785	0.052872	-0.02067	-0.13097	0.034082	0.109929	0.021525	0.085316	-0.029409	0.010603	-0.04207
327	-0.031227	-0.017228	-0.002817	-0.061981	0.004147	0.010996	-0.00146	-0.013299	0.006714	0.037583	0.01549	-0.005506	0.005608	-0.011818
328	-0.055517	-0.000028	-0.012976	0.087902	0.02113	-0.019679	-0.105537	-0.111522	-0.028972	-0.034505	-0.123574	0.019071	0.236987	0.077935

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
329	-0.045458	0.01865	-0.0588	0.019314	-0.009818	0.011117	-0.053865	-0.060569	0.004629	0.049677	0.059647	0.008915	0.031416	-0.038061
330	-0.138368	0.059537	-0.096943	-0.036088	0.042468	-0.028202	-0.035826	-0.105446	-0.099882	-0.055458	-0.002502	0.050099	-0.034082	-0.069475
331	-0.047042	0.006128	-0.007896	0.011738	-0.029868	-0.025847	-0.029223	0.012366	-0.024605	0.045797	0.071751	-0.070613	-0.008289	-0.037153
332	-0.027121	0.022898	-0.005193	-0.034075	0.028361	-0.127792	-0.042045	0.027816	0.060052	-0.05379	-0.001843	-0.02117	0.049951	-0.05535
333	-0.013165	-0.000378	0.015987	0.012888	0.01773	-0.020467	0.012848	0.007364	-0.018286	-0.007274	0.023766	-0.006619	-0.002595	0.017971
334	-0.025154	0.034542	-0.019027	0.013763	0.061693	0.085963	0.077064	-0.010771	-0.185227	-0.097862	0.047947	0.018775	0.082007	0.064636
335	-0.033466	-0.033621	0.033798	-0.025224	0.003	0.00569	-0.006182	0.039759	-0.020799	0.015059	0.058584	-0.054859	-0.010747	-0.065597
336	-0.0262	-0.085204	-0.073143	0.046459	0.02726	-0.093092	0.033564	-0.008085	0.008449	0.04916	-0.018251	-0.016853	-0.036082	-0.045793
337	0.029206	-0.011629	0.009638	-0.039086	0.062418	-0.036245	-0.061512	0.087015	-0.133448	-0.056328	-0.038666	-0.077751	-0.078952	0.030219
338	-0.099583	0.094521	0.045333	-0.171412	0.047541	-0.00815	0.008569	0.042561	0.057597	0.029685	-0.042413	-0.043698	0.068288	-0.047529
339	-0.051328	0.028733	0.029852	-0.004748	-0.041866	-0.025941	-0.076018	-0.037329	-0.014561	0.01133	0.097844	-0.043315	0.023477	0.029147
340	-0.081292	0.027889	-0.050772	-0.07073	0.135028	-0.162046	0.00882	0.119116	-0.04801	-0.010333	0.014277	0.048667	-0.018883	-0.030871

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
1	-0.014117	0.007752	-0.006572	0.023947	0.00987	-0.00578	0.021539	-0.047136	-0.002522	0.019393	-0.003808	-0.030736	0.027639	0.030827
2	0.002377	0.007337	0.003252	0.01387	-0.009573	-0.023358	0.049448	0.005846	0.019571	0.043814	0.019208	0.005111	-0.004766	0.009652
3	-0.033576	-0.005446	0.016466	0.02818	-0.045699	0.05278	0.021933	-0.051306	0.018177	-0.011719	0.008568	-0.059111	0.009881	0.004426
4	-0.036764	-0.001359	0.018777	-0.05822	0.01423	-0.081212	-0.06017	-0.066376	-0.016736	0.025928	0.008029	-0.050284	0.041454	0.016824
5	-0.005499	0.077926	-0.176658	0.037268	-0.066731	0.009909	0.189314	0.084334	-0.069425	0.091744	-0.034335	0.089053	-0.03969	0.003247
6	-0.107433	-0.043788	0.070389	-0.035422	-0.02826	0.061094	-0.10537	0.115823	-0.03025	-0.042632	0.020849	-0.118552	0.03146	-0.046692
7	-0.015299	0.038441	-0.002508	-0.02361	-0.025156	0.018616	-0.05077	0.027918	0.055279	0.02739	-0.008421	-0.037694	0.003546	0.065656
8	0.098996	0.038362	0.012476	-0.025459	-0.026189	-0.054109	0.052944	0.131232	0.004385	0.068773	0.060385	-0.124261	-0.049085	-0.010957
9	0.011029	0.089774	-0.017078	-0.041019	0.079464	-0.105468	0.022335	-0.020691	0.045022	0.138928	-0.027367	-0.061745	-0.003394	-0.123098
10	-0.005002	-0.000697	0.005099	-0.034968	-0.062704	0.096351	-0.037712	-0.010647	-0.008017	-0.022226	-0.029527	0.041024	-0.020542	-0.023671
11	0.04049	-0.003781	0.034242	0.01294	-0.016067	-0.06834	0.09381	-0.063598	0.008705	-0.061288	0.15743	0.197265	0.011232	0.021309
12	-0.043547	0.127102	-0.055687	0.03516	-0.042325	0.036566	-0.025904	-0.161341	0.042394	-0.135589	-0.049677	0.025787	0.068426	-0.027201
13	-0.025549	-0.028942	-0.005999	0.055768	0.060001	-0.074983	0.016649	-0.064008	-0.078015	0.010784	0.038137	-0.026079	0.043772	-0.001826
14	-0.013814	-0.105014	-0.000278	0.032255	0.059566	-0.053894	0.041138	-0.027742	-0.096934	0.011432	-0.091533	-0.114834	0.005255	-0.151209
15	-0.007823	-0.001428	0.043445	0.033046	0.055421	0.001734	0.014552	-0.049943	-0.032379	-0.027327	0.000654	0.01807	0.012382	-0.048994
16	-0.039201	0.128124	0.023731	0.151942	-0.05885	0.015724	0.049679	0.097447	-0.172525	-0.009611	0.024587	0.066184	-0.042693	-0.001249
17	-0.122702	-0.04865	0.063796	-0.017752	-0.003941	0.079644	-0.053084	0.028797	-0.112106	0.016547	-0.108213	0.115798	0.055533	-0.090418
18	0.099075	-0.03748	-0.05908	-0.012552	0.064555	-0.027201	0.122584	0.16091	-0.023917	-0.013797	-0.107761	-0.047814	-0.003685	-0.077728
19	-0.068431	0.004269	0.080388	0.016629	0.017525	0.024944	0.022496	0.017091	-0.061615	-0.101571	0.071088	0.049684	-0.046038	0.028946
20	-0.047059	0.002174	-0.029327	0.006227	-0.024544	-0.036014	0.026787	0.032546	-0.009807	-0.05498	-0.003445	-0.001342	0.004799	-0.021042
21	-0.025706	0.036369	-0.045817	-0.133687	0.039283	0.047154	-0.098922	-0.03103	-0.074953	-0.006389	-0.025751	0.049073	0.04477	0.067224
22	-0.063932	0.092828	0.064715	-0.041779	-0.046527	-0.080688	-0.069272	-0.031435	0.002461	0.043286	0.054983	0.00717	-0.135256	0.017411
23	-0.087425	0.056054	0.006438	-0.01358	0.040164	-0.0258	-0.005376	0.032127	-0.034526	-0.048194	0.166876	-0.040957	0.030422	0.02907
24	-0.019529	-0.046618	-0.058528	-0.034177	-0.009447	-0.021016	0.020661	0.023024	0.016166	-0.008499	0.026879	-0.110063	-0.060484	0.008095
25	0.01453	0.01467	-0.095024	-0.066123	0.01611	-0.076884	0.097747	0.024958	-0.084721	-0.00821	-0.05391	0.039317	-0.028881	-0.075203
26	-0.012354	-0.005616	-0.035528	0.012619	-0.024406	-0.018907	0.024176	0.014103	-0.034738	-0.044881	-0.013605	-0.000712	0.016972	0.016286
27	-0.016882	-0.01721	-0.013464	-0.001753	-0.014245	-0.004358	0.007722	0.023278	-0.021063	-0.035279	0.019372	0.016868	0.048509	-0.011385
28	-0.038896	0.022348	0.019024	-0.035709	-0.026243	0.03568	-0.076895	-0.103412	-0.068021	0.064417	-0.047647	-0.03937	0.024884	0.066895
29	0.114037	-0.022704	0.047054	0.014093	-0.062746	0.077753	-0.056839	-0.074384	0.064692	0.104592	-0.008537	-0.096202	0.19324	0.048395
30	0.077007	0.008445	-0.011048	-0.003123	0.098774	0.054067	-0.026078	0.004593	0.01689	-0.004345	0.008982	0.024847	-0.013344	-0.104054
31	0.050648	-0.033371	-0.038472	-0.013359	0.050555	0.044863	0.019605	-0.003046	-0.030302	0.030363	0.009442	0.050565	-0.061103	-0.074768
32	-0.056602	-0.061444	0.020308	-0.004279	-0.010178	0.038663	-0.012594	-0.0148	0.063107	-0.018121	0.007825	0.00622	-0.128485	-0.012435
33	0.100642	-0.003802	0.014595	-0.021352	0.136386	0.008814	0.055898	0.004472	-0.04648	0.045159	0.015238	-0.024237	0.001622	0.005631
34	0.02719	-0.005045	-0.012874	0.036114	0.010011	-0.032662	-0.032537	-0.035667	-0.009766	0.053387	0.043774	0.059432	-0.037634	0.023665
35	0.033942	-0.007913	0.071286	-0.019862	-0.01909	-0.043243	0.037109	0.001358	0.002488	-0.003486	0.117391	-0.153038	-0.060973	-0.039413
36	-0.028865	-0.011249	-0.055464	-0.034728	-0.0475	0.048814	0.015514	0.093215	-0.051203	0.002568	0.110894	-0.040465	-0.011775	0.07186
37	0.008672	-0.057886	-0.004879	0.038366	-0.04292	0.101581	0.074651	0.087904	-0.004656	0.084264	0.006183	0.026336	0.050252	-0.021765
38	-0.022409	0.046538	0.020795	-0.04734	0.112211	-0.083387	0.062397	0.084953	-0.027341	-0.068901	0.110054	0.029342	-0.016969	0.163455
39	-0.03147	0.080146	-0.038954	-0.032551	0.014752	-0.005122	0.043399	0.039886	0.061617	-0.045861	0.003226	-0.02982	-0.008112	-0.005138
40	0.043378	-0.005801	-0.048502	0.039247	0.017084	0.000518	0.014687	-0.017587	0.035948	0.028959	-0.044362	0.000443	0.039251	0.004531
41	0.022673	0.007481	-0.03168	0.029539	-0.027864	0.010091	-0.004083	0.002202	0.030323	0.027064	-0.029065	-0.004903	0.047017	0.038335

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
42	0.026107	0.073244	-0.040797	0.037064	0.017162	-0.024957	-0.012929	0.013663	0.03945	-0.003743	-0.007672	0.0016	0.030265	0.040842
43	0.032392	-0.015738	-0.03679	0.043681	0.005256	0.002191	0.015936	-0.022213	0.020754	0.042253	-0.029069	-0.013404	0.029567	0.047268
44	0.062372	0.025752	0.031194	0.044223	-0.02735	-0.001177	-0.052481	-0.04507	-0.025461	0.054624	0.018987	-0.014624	-0.04389	-0.034617
45	-0.01496	-0.044921	0.012583	-0.002551	-0.023693	0.049179	-0.005552	-0.07229	0.025504	0.03682	-0.009854	-0.032758	-0.048956	-0.025047
46	-0.054713	-0.066459	0.092598	-0.004601	0.03479	-0.036758	-0.057793	0.003944	-0.076798	0.021849	0.053204	-0.06627	0.042342	-0.076507
47	0.021317	-0.028094	0.029031	0.021682	-0.086777	0.020861	-0.032386	-0.020667	-0.068773	0.012899	0.013868	0.006717	0.011205	-0.061487
48	-0.065129	-0.035578	-0.026862	-0.011747	-0.012335	0.032588	0.0881	0.102899	0.197046	0.071225	0.018307	0.007638	0.065319	0.087431
49	0.035271	0.032757	0.014723	-0.013179	0.072794	0.03921	-0.041715	0.014727	0.006321	-0.04615	0.005753	0.082751	0.002214	-0.104915
50	-0.00715	-0.019596	0.039818	0.018128	0.005186	0.014465	-0.023339	0.026574	-0.050068	0.011997	-0.010979	-0.018397	0.018863	-0.043889
51	-0.022079	-0.018614	-0.046252	-0.09678	0.067869	0.002742	0.006437	0.05268	-0.039761	0.024795	0.026293	0.046407	-0.01347	-0.022236
52	0.033307	-0.045998	-0.049537	-0.078807	-0.004213	-0.047073	-0.023778	0.016813	0.030186	-0.006013	0.023222	0.047576	0.013299	-0.058921
53	-0.054468	0.001336	0.051242	-0.012483	0.012265	0.031338	0.031793	0.02173	-0.008462	0.026116	0.022139	0.003075	-0.031417	0.013962
54	0.045602	0.018634	0.004519	0.006306	0.023887	-0.033654	-0.016358	0.051898	-0.023541	-0.017595	-0.01588	-0.055493	-0.024524	0.047705
55	-0.063255	-0.00902	-0.022839	-0.038353	0.014921	-0.014152	-0.016359	-0.038413	-0.018424	0.017924	0.035563	0.008371	-0.024589	-0.00352
56	0.009322	-0.053747	-0.019811	0.031006	0.042154	0.010264	0.025944	0.004508	-0.037354	0.010031	0.027176	0.028022	-0.047492	-0.050194
57	0.058013	0.027539	-0.016822	0.00087	0.061266	0.00462	-0.007924	0.004275	0.002408	-0.040959	-0.01866	0.002233	0.089897	0.010878
58	-0.000289	0.013522	-0.072558	-0.064959	-0.07227	0.041716	-0.003279	0.079515	-0.039736	0.015328	-0.020033	-0.044043	-0.0229	0.018386
59	0.038771	0.03613	0.012436	0.046829	-0.035347	0.064911	-0.148728	-0.012003	-0.02315	-0.053999	0.052819	0.092493	0.034399	-0.062578
60	0.014035	-0.021756	-0.054823	-0.026272	-0.113699	-0.073805	0.02092	-0.027398	0.014024	0.013083	0.060361	-0.027357	-0.055124	-0.005487
61	0.037648	-0.025058	-0.054003	-0.057778	-0.05772	-0.004056	0.01551	-0.002473	0.027866	-0.000386	-0.002409	-0.025582	-0.018945	0.093029
62	0.026201	0.058996	0.046378	0.047705	-0.071467	0.071924	-0.019838	-0.069446	-0.062712	0.024472	0.050313	-0.084803	-0.028209	-0.02705
63	0.041541	0.007951	0.014761	0.003657	-0.032639	0.007645	0.037051	-0.003313	-0.025081	0.016879	-0.004479	0.043117	-0.003709	0.128031
64	0.048816	-0.002406	-0.046817	0.009219	0.081482	0.05649	0.008304	0.027085	-0.026121	-0.076795	-0.034328	0.016276	-0.036553	-0.097112
65	0.025643	0.051016	-0.036985	-0.006825	-0.03642	-0.037582	-0.008828	-0.024931	0.023996	-0.010892	-0.004618	0.012194	0.04361	0.021293
66	0.069682	-0.065442	-0.041615	0.017246	-0.009659	-0.101978	0.006736	0.033284	0.030918	-0.025146	0.095328	0.082279	-0.068089	0.028658
67	0.018548	0.025502	-0.014932	-0.01849	-0.012215	-0.089723	0.039065	-0.002724	-0.103578	0.031301	-0.018945	0.014459	-0.065319	0.058106
68	-0.06576	0.052773	-0.079751	-0.070445	-0.066638	-0.129149	0.011312	-0.121454	-0.040682	-0.047306	-0.017299	-0.067787	0.087764	0.049225
69	-0.053746	0.01283	0.071903	0.004703	-0.040779	0.026894	-0.038032	-0.012532	-0.003212	-0.051984	-0.107124	0.013355	-0.023852	-0.017221
70	0.09708	0.026946	0.006158	-0.056557	-0.073984	0.022016	-0.022446	-0.050296	0.058944	-0.000086	0.072489	0.00125	-0.036764	0.072824
71	0.059204	-0.021909	0.009682	0.012733	-0.018051	0.025076	0.006608	-0.006926	0.060682	-0.047891	-0.052086	0.039693	0.021469	-0.006802
72	-0.035867	0.013655	0.082526	-0.005752	-0.007058	0.005503	-0.057229	-0.054842	-0.004417	-0.008797	-0.047691	0.014646	-0.021224	-0.032596
73	0.032975	0.016266	0.002703	0.084233	0.062955	-0.032512	-0.013784	-0.022809	0.07547	0.081423	0.062033	-0.067176	-0.14061	0.116098
74	0.040299	0.006786	-0.03874	-0.012099	-0.043051	0.052258	0.037369	-0.055506	-0.037068	0.035504	0.027121	0.103141	-0.001282	-0.048028
75	0.046893	-0.006423	0.01138	-0.0396	0.006848	0.014351	0.028991	-0.02276	0.006115	0.016586	0.016236	0.020456	-0.002651	0.053323
76	0.067133	-0.008884	-0.003793	-0.04577	-0.048593	0.0114	-0.025172	0.016475	0.010563	0.039353	-0.066295	0.070873	-0.021313	0.034346
77	0.048011	0.002467	0.031209	-0.039213	-0.022235	0.031043	0.02997	-0.007872	0.049492	0.000583	0.006509	0.037245	0.012801	0.067565
78	0.037737	0.023584	0.001971	-0.064158	-0.001952	0.043014	0.050525	0.012439	0.040676	-0.000596	0.040763	0.036642	-0.015246	0.089561
79	0.086355	-0.031587	-0.048054	0.028676	0.054809	-0.018976	-0.019255	-0.000904	-0.040558	0.019602	0.026206	0.011528	0.013074	-0.037757
80	0.138599	-0.069991	-0.097642	-0.045903	-0.013121	0.000402	0.009527	0.025152	-0.030928	-0.075791	-0.063127	0.017374	-0.023063	0.02556
81	-0.076935	0.123602	0.025469	-0.002573	-0.097404	-0.011784	0.081378	0.028951	0.009971	0.156562	-0.046897	-0.005086	0.049816	-0.041775
82	-0.018233	-0.02089	-0.016293	-0.041239	0.032753	-0.05967	-0.041462	-0.050299	0.017154	-0.001307	-0.005432	-0.012365	0.040025	-0.01784

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
83	-0.017099	-0.021793	-0.011121	-0.047258	0.005272	-0.020491	-0.014238	-0.019847	-0.025251	-0.053642	0.028124	0.003104	0.051171	0.00442
84	0.019748	0.01142	0.006897	0.014059	-0.019937	-0.003684	-0.034934	0.053591	0.029733	-0.024849	0.013926	-0.044006	0.044025	0.003173
85	0.069947	0.092118	0.032499	-0.00426	0.151415	-0.026443	0.052398	0.033685	-0.072028	0.132535	-0.011236	0.0457	0.066897	-0.114668
86	0.027275	-0.058951	-0.010599	0.031589	0.015553	0.069909	0.027561	-0.02328	0.040197	-0.056233	0.015594	0.010029	-0.028097	-0.006214
87	0.07456	-0.043055	-0.065574	-0.005782	-0.036501	0.041847	0.015655	-0.013094	-0.130772	-0.029644	-0.01587	-0.06172	-0.087351	-0.048009
88	-0.04711	-0.016818	-0.006283	-0.010258	-0.011359	-0.00937	0.029719	0.056958	-0.005751	-0.027052	0.028713	-0.012375	0.051698	-0.025068
89	-0.034303	0.004904	-0.025551	-0.031551	-0.011003	-0.015798	-0.00708	0.016029	-0.026897	-0.075536	0.013386	-0.001351	0.01975	-0.012771
90	-0.033213	-0.003315	-0.047474	-0.021452	-0.036536	-0.015135	-0.017833	0.000121	-0.060094	-0.058787	-0.02699	0.0187	-0.035289	0.00543
91	-0.010062	0.005503	0.003071	-0.000348	0.064329	-0.001768	-0.014593	-0.004639	0.049667	-0.034649	-0.002461	0.007171	-0.014772	-0.035577
92	-0.100051	0.181535	-0.009143	0.004324	0.067348	-0.028942	0.070985	0.019251	0.176152	-0.00405	-0.024783	-0.058772	0.002129	0.055124
93	0.04609	-0.003307	0.010215	-0.05661	-0.005062	-0.039892	-0.055988	0.054698	-0.001281	-0.028305	0.021939	0.035463	0.011708	0.078147
94	-0.050352	0.075252	0.016917	0.069639	-0.005944	0.005287	-0.004699	-0.031795	0.082331	0.051575	0.082298	0.040513	-0.007907	0.070938
95	-0.034063	-0.012985	-0.056163	0.066541	-0.085017	-0.08202	-0.084088	-0.122316	-0.086976	0.030899	-0.004701	-0.126695	-0.086519	-0.038142
96	0.134995	-0.119093	0.010678	0.00794	-0.072751	-0.029328	0.073703	-0.001977	0.065213	0.122401	-0.018044	0.04618	0.033108	-0.03865
97	0.025582	0.027579	-0.052308	-0.005155	0.011535	-0.049288	-0.020257	-0.009947	-0.024812	0.023219	0.008254	0.037985	-0.041218	0.0683
98	-0.040958	0.003861	0.000666	-0.000476	0.021967	0.023772	-0.006852	0.006727	0.003463	0.021126	-0.031108	-0.040381	-0.03685	-0.023532
99	-0.025285	0.012743	-0.005316	-0.022996	-0.001671	-0.015421	0.00704	-0.029901	0.014305	0.04032	-0.047565	0.035668	0.028336	-0.002697
100	-0.002027	0.026707	-0.008619	-0.028228	0.009776	0.048948	-0.038167	-0.029571	-0.080747	0.053466	-0.004443	-0.021817	0.033936	0.036873
101	0.009676	0.062607	-0.018925	-0.017839	-0.019561	0.000524	-0.029993	0.05478	0.028577	0.012788	0.015427	0.000148	-0.057288	-0.026665
102	0.080638	-0.002717	0.008621	0.056816	-0.044009	0.071272	-0.018736	-0.048209	-0.035777	0.132124	0.000234	-0.026543	-0.0219	0.072628
103	-0.118366	0.112766	-0.048945	0.077307	-0.026898	0.069615	-0.021391	-0.041857	-0.103115	-0.077866	0.149287	-0.026824	0.019986	-0.008897
104	0.041942	0.032961	-0.034071	-0.028835	-0.06116	0.062907	-0.021644	0.062072	-0.031461	0.060102	-0.016602	0.011433	-0.07173	-0.005902
105	0.023221	0.083141	0.073602	-0.1666	-0.05863	0.072414	0.105129	0.0748	-0.00037	0.063146	0.050966	-0.121313	0.056705	-0.078493
106	0.01302	-0.132337	-0.023274	0.147338	0.113253	0.108165	-0.001251	0.02008	0.033226	-0.019401	0.092932	0.038621	0.01972	0.085715
107	-0.042854	-0.005738	-0.040768	-0.006352	-0.02426	-0.073658	0.004564	0.073965	0.03152	0.015525	-0.020833	0.114812	0.027316	0.155148
108	0.117503	-0.033945	-0.066172	-0.010022	0.016256	-0.0026	-0.097185	0.007639	0.029767	-0.019763	-0.057007	-0.042183	0.111257	-0.079122
109	-0.043971	0.057544	0.107811	-0.034371	0.004157	0.113567	0.029986	-0.087485	0.056825	0.154945	-0.156762	0.009265	-0.113444	-0.050572
110	0.016564	-0.004332	-0.080524	0.00933	0.177381	-0.132897	-0.023625	-0.026601	0.151548	-0.03764	0.043292	-0.022369	0.101458	0.034173
111	0.108488	-0.025363	-0.078003	0.116008	0.038875	-0.094512	-0.033632	-0.109566	0.057522	0.024399	0.006632	-0.131197	-0.033651	-0.069757
112	-0.01983	-0.068945	0.122268	0.104566	-0.122782	0.082789	-0.025059	0.171502	-0.008814	-0.064052	0.012645	-0.04364	0.095091	0.055005
113	-0.074178	-0.012111	-0.057619	0.067012	0.082461	-0.011926	-0.010139	-0.07417	0.155922	0.082929	-0.056731	-0.022547	-0.073246	0.017728
114	-0.111157	-0.070185	-0.035995	-0.164662	0.045486	0.156554	0.069133	-0.028918	0.048679	0.077467	-0.02355	0.256715	0.041627	-0.067241
115	0.047208	0.093722	-0.048582	-0.066623	-0.001916	0.023985	-0.068866	0.037725	0.088556	0.019265	0.135375	-0.023578	-0.004646	-0.047251
116	-0.029623	-0.072081	0.040129	0.003344	-0.009327	-0.13048	-0.045229	-0.083769	-0.098187	-0.008205	-0.02988	-0.058227	0.026582	0.062291
117	0.011853	-0.048559	0.001262	0.160365	-0.045591	-0.014024	-0.116047	0.041739	0.028684	0.066031	0.014853	0.020861	-0.010002	-0.054045
118	0.138824	0.090886	-0.00655	-0.035025	-0.063968	-0.039899	-0.133943	-0.084309	-0.06607	0.003963	-0.079655	0.036036	-0.065236	-0.074274
119	-0.047368	-0.0222	-0.018613	0.070801	-0.015285	-0.024693	-0.080338	0.051682	-0.006366	-0.037295	-0.048965	0.031711	-0.045121	0.033102
120	0.010268	-0.018939	-0.051364	0.141201	0.081905	-0.027514	-0.087327	0.018115	-0.021414	-0.057515	0.02749	0.03273	-0.013183	-0.060997
121	-0.091084	-0.036635	0.089558	0.027524	0.075059	0.087592	0.051228	-0.193238	-0.035038	-0.06689	0.121929	0.031271	0.072733	0.011526
122	0.02507	-0.013879	0.009868	-0.060553	-0.027147	0.024218	-0.070103	0.048506	0.072039	0.037259	0.046818	-0.076421	0.029444	0.018566
123	0.001815	0.052393	-0.05176	-0.062447	0.021891	-0.03353	-0.058086	0.023038	0.049542	-0.011242	0.070309	-0.029807	0.029122	0.014821

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
124	-0.048939	0.008927	-0.048446	0.07318	-0.049324	0.000325	-0.04754	0.088558	-0.033168	-0.034146	-0.007592	-0.017034	0.00154	0.086112
125	0.039641	0.014458	0.019826	-0.000798	0.006966	-0.025917	0.103764	0.062826	0.00339	-0.060766	-0.106049	-0.055297	-0.0052	-0.101025
126	-0.010575	0.036203	0.028901	-0.000207	-0.018696	0.018154	0.000039	-0.100056	0.055992	-0.013487	-0.025696	0.017385	-0.05264	0.023584
127	-0.030779	0.031922	-0.011511	-0.002209	-0.024482	0.005006	0.045703	-0.015855	0.045717	-0.037904	-0.055756	0.001211	-0.024273	0.052989
128	0.047278	-0.040304	0.029458	-0.082721	0.011097	-0.030798	0.028265	-0.04221	0.008594	0.019747	0.01226	0.014222	-0.004816	0.049781
129	0.064936	0.087827	0.069292	0.083861	0.109224	0.01194	0.107547	0.034047	0.043321	0.006101	0.043949	-0.062143	0.070731	-0.093597
130	-0.001971	0.022106	0.03408	-0.040006	0.033953	0.042525	0.026094	-0.025465	0.01477	-0.022266	0.115767	-0.04825	-0.013335	0.096224
131	-0.030078	0.078007	-0.013558	-0.061839	0.059293	-0.154739	-0.065168	0.062509	-0.121718	0.011887	0.036878	-0.048514	0.030829	0.066924
132	0.008309	-0.008713	0.020222	-0.010168	0.084192	-0.059892	-0.112766	0.032342	0.008714	-0.069046	-0.019295	-0.024633	-0.011356	-0.021238
133	-0.033415	0.025563	-0.023223	0.085492	0.057017	0.000968	-0.021692	-0.073153	-0.070369	0.100529	-0.041546	-0.000051	0.005014	0.028749
134	-0.09229	0.111913	0.007177	-0.095609	-0.132709	-0.066032	0.065594	0.046864	-0.025854	-0.02192	0.011179	0.000467	-0.113122	0.017195
135	0.014966	-0.070493	-0.010848	0.026226	-0.005218	0.045342	0.011901	0.030036	-0.030962	-0.021601	-0.046745	0.043956	-0.053027	0.005837
136	-0.036015	0.011947	-0.116051	-0.004978	0.148834	-0.062333	-0.01802	-0.095606	0.01146	0.079659	-0.042967	-0.071473	-0.035019	-0.022603
137	-0.000282	0.058481	0.027914	-0.047089	0.010351	0.018228	0.007634	0.018455	-0.076891	-0.019217	0.058467	0.010887	-0.029426	0.063348
138	-0.016717	-0.094571	0.111382	-0.031061	0.016328	-0.095737	0.01776	-0.049935	0.019863	-0.1702	-0.071703	0.021837	-0.025956	0.096946
139	0.097221	0.044594	-0.031597	-0.010355	0.03256	0.017988	-0.154701	-0.087248	0.18508	0.076865	0.024929	0.072578	0.118053	0.054487
140	0.064214	-0.107846	0.191676	-0.057318	0.1468	-0.008023	-0.10163	0.083135	0.073055	0.032165	0.007639	-0.07117	-0.025713	0.051026
141	-0.013549	-0.064111	0.06598	-0.052903	-0.048981	-0.033009	0.018863	-0.048939	-0.001393	-0.036347	0.064441	-0.022844	0.06369	0.018393
142	0.011506	-0.004683	-0.027774	0.024656	0.050504	0.067969	-0.011594	0.004117	0.002254	0.029533	0.117695	0.005346	-0.003141	-0.017588
143	0.004562	-0.03724	-0.018449	-0.128223	-0.004375	0.062738	-0.011145	0.142228	0.051895	0.10032	0.012263	-0.024625	0.062059	0.010066
144	-0.078245	-0.12977	-0.102084	0.00777	-0.039511	-0.029634	-0.033619	-0.007778	-0.000976	-0.006191	0.032496	-0.008698	-0.058621	0.016042
145	-0.043894	0.030338	-0.093302	-0.057716	0.040299	0.006334	-0.073818	-0.088748	0.099668	0.059834	-0.057672	0.0411	-0.216294	-0.004649
146	0.021066	-0.060625	-0.006149	0.066137	0.069999	-0.046321	0.005549	0.009534	-0.064175	-0.008943	-0.073205	0.003892	-0.015608	0.025426
147	-0.086705	-0.002036	-0.085743	0.001849	0.160618	-0.04951	-0.116988	0.036505	-0.006747	0.047572	0.004963	0.11845	-0.03459	0.092025
148	0.176894	-0.171569	-0.107036	0.021075	0.000906	-0.014755	-0.052233	-0.009332	-0.073263	0.071646	0.072601	0.100417	-0.056836	0.049088
149	0.004013	0.022014	0.018301	-0.077911	-0.060827	0.015618	0.024029	0.009661	0.029278	0.074912	0.131299	0.029814	0.038664	-0.09351
150	0.012202	0.066622	-0.019418	0.006961	0.105231	0.030666	0.049405	0.08701	0.012803	-0.090342	-0.128845	-0.077547	0.020375	0.131676
151	0.022491	-0.021945	-0.058071	-0.074951	-0.057117	-0.015513	-0.107289	0.108095	0.049142	0.115679	-0.031995	0.047865	0.03079	-0.026794
152	-0.055913	0.022115	0.030132	0.02237	-0.025547	-0.031123	0.038535	-0.006043	0.044576	-0.101556	-0.021052	0.02344	0.085689	-0.037186
153	0.012451	0.050318	-0.050745	0.053898	-0.009305	-0.047688	0.023802	-0.034442	-0.004587	-0.051453	-0.014014	0.012462	0.144693	-0.067008
154	0.037137	0.011555	-0.016811	0.015997	0.070004	-0.028679	-0.007019	-0.028928	-0.010248	0.049718	0.050891	-0.083385	-0.105425	0.052636
155	0.077341	-0.020707	-0.033146	0.004601	0.041614	0.005335	0.073105	-0.017585	0.007668	-0.115628	-0.06902	-0.057133	-0.053206	-0.056528
156	0.028725	-0.01146	-0.058141	-0.051706	-0.033276	0.000292	0.034989	-0.091361	-0.030085	0.083909	-0.026936	-0.002886	0.01993	0.075826
157	0.005214	-0.053544	0.039281	0.086028	0.069158	0.001015	-0.016145	0.039061	0.015165	-0.00583	-0.02602	-0.026287	-0.015714	0.029795
158	0.14309	-0.069425	-0.163728	-0.0652	0.042272	0.051168	0.019848	-0.013869	-0.056516	0.071735	0.036814	0.029566	-0.008901	-0.004337
159	0.011283	0.060118	0.078407	-0.127315	0.049079	0.056586	0.010715	-0.047225	-0.018383	-0.065581	0.0058	0.042233	-0.098205	0.048111
160	0.079224	0.08886	0.090639	0.141664	-0.12011	0.036238	-0.019673	-0.066738	0.074658	0.090893	-0.017464	0.10684	0.160626	-0.046318
161	0.018134	-0.032269	-0.033768	-0.03168	-0.121218	-0.063191	0.020359	0.076314	-0.009085	-0.019592	0.023472	0.15878	0.093414	0.022078
162	-0.012332	-0.013273	0.086694	0.075251	-0.006405	-0.055756	-0.1057	-0.014672	-0.044826	-0.023457	-0.008976	-0.047682	0.046299	0.012989
163	-0.022864	0.014132	0.031655	0.039904	-0.062053	0.046943	-0.002564	0.036305	-0.047248	-0.050872	0.037114	0.016597	0.019576	0.036741
164	-0.058138	0.04856	0.028411	-0.050801	-0.016482	0.014049	-0.047913	0.038669	-0.033377	0.154016	-0.004463	-0.080178	-0.022408	-0.014759

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
165	0.111624	-0.136622	0.086	0.056355	-0.253509	-0.108163	0.171276	-0.069487	0.114951	0.039346	-0.087359	0.005415	0.059156	-0.084031
166	0.02863	-0.135518	0.049397	0.205525	-0.008783	0.077503	0.068054	0.014554	0.044327	0.040867	0.100709	-0.058287	-0.047741	-0.132796
167	-0.119043	-0.06203	-0.110138	-0.089961	0.048963	0.027961	-0.06817	-0.116392	0.072631	0.019451	-0.034013	-0.096635	-0.115563	-0.068508
168	-0.034667	0.017373	0.068286	-0.057663	0.011859	0.0047	-0.029944	-0.00582	-0.103537	0.061509	0.003159	0.023639	0.106063	0.073793
169	-0.018047	-0.00982	-0.006075	0.028781	0.026748	-0.020888	0.022775	0.058559	0.065753	-0.039483	-0.044726	0.014762	-0.004928	-0.014009
170	-0.033897	-0.005563	-0.000447	0.023384	-0.011836	-0.073428	0.041552	0.026281	0.054626	-0.02548	-0.02262	0.067462	0.017228	0.046394
171	-0.053588	0.012196	0.041461	-0.025087	-0.002215	-0.04111	0.045748	-0.024142	0.048601	-0.061184	0.012997	0.02809	0.080651	-0.013852
172	-0.006657	-0.016208	-0.011858	0.021215	0.021476	-0.01589	-0.000862	-0.006313	0.002234	0.00179	-0.06573	0.05822	-0.015655	-0.033369
173	0.02699	0.019579	0.042114	0.032907	0.013178	-0.020245	0.075089	-0.069126	0.032294	0.045918	0.027628	0.050238	-0.006877	-0.061192
174	-0.016339	-0.038378	-0.020349	0.02438	0.012087	-0.036998	0.035801	-0.006346	0.061485	-0.004569	0.029762	0.016112	-0.051245	-0.027099
175	-0.008032	-0.003876	-0.078199	0.027077	-0.086274	-0.080366	0.04595	0.115694	0.133811	-0.03487	0.013093	-0.073746	0.041795	0.009746
176	-0.033488	-0.057863	-0.034875	-0.036182	-0.060964	-0.149935	-0.052213	-0.060101	-0.033117	-0.008235	-0.000858	0.006378	0.116052	0.071322
177	-0.065341	-0.013197	-0.144431	0.117306	-0.063191	0.097005	-0.091722	-0.047633	-0.078603	-0.035878	-0.123225	-0.066172	-0.104512	0.05612
178	-0.051088	0.032089	-0.017913	0.068354	-0.018317	0.013101	0.003303	0.010823	0.052873	-0.056627	-0.000753	-0.032958	-0.026144	0.118203
179	-0.031058	-0.015215	-0.001498	-0.016712	0.032885	0.02984	-0.009483	0.006381	0.020292	-0.0415	-0.03516	-0.042995	-0.021517	-0.011554
180	-0.023669	-0.008231	0.011426	0.012525	0.03313	0.018858	-0.020032	-0.005132	0.048438	-0.036917	-0.001956	-0.007552	0.006007	-0.015293
181	-0.050391	0.007353	0.001933	0.018912	0.018204	0.008864	-0.022361	0.003683	0.025707	-0.020837	-0.011616	-0.016952	0.000609	-0.013569
182	-0.026201	0.000896	-0.005996	0.00505	0.008852	0.026014	-0.053597	-0.030397	-0.026712	0.002601	0.016956	0.003297	0.035186	0.037624
183	-0.003966	-0.007099	0.019451	-0.067136	0.017816	0.04873	0.020894	-0.061028	-0.032906	-0.034187	-0.01715	-0.066165	-0.001247	0.00319
184	0.025883	-0.048269	0.084479	-0.045385	0.006541	0.045081	0.008668	-0.073949	-0.032881	-0.112733	0.086742	0.066897	-0.039	-0.086697
185	0.046916	-0.086849	0.056799	-0.002348	-0.065761	-0.018007	0.014044	0.071591	0.032216	-0.082086	0.028772	0.018655	-0.003237	0.058239
186	-0.014466	0.030185	0.110583	-0.011868	0.092814	-0.054004	-0.024635	0.031744	-0.065632	0.038195	0.072343	0.029143	0.038473	-0.072093
187	0.057917	-0.021714	0.00749	0.007038	0.018022	0.050864	-0.026326	-0.034173	-0.038695	0.016505	0.009308	0.028118	-0.067737	-0.055431
188	0.054443	-0.08855	-0.006145	0.008449	0.019236	0.031679	-0.047738	-0.036093	0.009303	-0.002015	0.003116	0.042243	-0.055155	-0.002398
189	0.071987	-0.04917	-0.056744	-0.040513	0.02628	0.050322	-0.11268	0.005561	0.019598	-0.02965	0.015217	-0.044872	0.014016	0.003554
190	-0.01422	0.006284	-0.004233	-0.083309	-0.022063	-0.02669	-0.036207	0.028561	0.023329	-0.008508	0.094656	0.021259	-0.005051	-0.045999
191	0.035439	0.022567	0.034737	-0.028451	-0.00841	0.009757	-0.046725	0.079341	-0.025862	0.024927	0.037456	-0.00858	-0.044889	-0.104206
192	-0.038763	-0.110529	0.070703	-0.058557	0.028804	0.067781	0.010744	0.034741	-0.067545	0.051394	-0.016293	-0.068735	-0.056744	0.095867
193	-0.04856	-0.054907	-0.011696	-0.00582	-0.008378	-0.059832	0.000261	0.025276	-0.089264	0.036819	0.061431	0.042694	-0.0106	-0.031649
194	0.057892	-0.015147	0.027567	-0.042918	0.024821	-0.020477	-0.027847	0.076884	0.105889	-0.043378	-0.053556	-0.04985	-0.004323	-0.012181
195	0.009713	0.007177	-0.005297	-0.079096	0.023158	-0.056375	-0.007971	0.004606	-0.068252	0.024035	0.033132	0.010535	-0.030199	-0.035705
196	-0.024764	-0.042572	0.010396	-0.048352	-0.010524	0.00366	-0.071277	0.062513	0.003252	0.014714	0.068781	0.004189	-0.037404	-0.029271
197	-0.004624	-0.017022	0.017702	-0.133161	-0.046465	-0.045836	-0.066827	0.045959	-0.053411	0.039313	0.105106	0.022305	-0.014888	-0.055207
198	0.045971	-0.017067	0.033606	-0.002079	-0.094846	-0.062919	-0.000671	-0.068217	-0.130067	-0.097679	-0.016183	-0.005172	-0.020538	0.108309
199	-0.046376	0.012659	0.008988	-0.11376	0.075642	0.046316	-0.050583	0.036084	0.079525	-0.053673	0.181772	-0.048689	-0.027729	-0.09017
200	-0.051502	0.060266	0.03981	-0.031197	-0.034256	0.03087	0.06491	-0.068883	-0.065572	-0.00629	-0.169375	-0.05017	-0.000763	-0.008502
201	0.064624	0.000782	0.082867	-0.03187	-0.072443	-0.085702	-0.014703	-0.020328	0.018523	0.091946	-0.101659	0.025681	0.082702	0.094293
202	-0.005285	-0.007081	0.105165	-0.002502	-0.0178	-0.049325	0.090515	-0.049657	0.026326	0.085431	-0.038169	0.00201	-0.036772	0.05975
203	0.088613	-0.011767	-0.059776	-0.063382	-0.00886	0.140832	-0.076721	-0.05219	0.042646	-0.068549	0.021401	-0.024833	-0.012528	-0.005757
204	-0.166808	-0.062652	0.185139	0.076336	0.008979	-0.109436	-0.048212	-0.007329	-0.023113	0.069048	-0.116774	0.054252	0.056703	-0.118638
205	0.088036	-0.047572	0.181521	-0.143193	-0.023722	0.020466	-0.122741	-0.000623	0.087566	-0.089114	-0.067705	-0.021416	-0.03597	-0.015437

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
206	-0.05238	0.044278	-0.171066	-0.037272	0.029478	0.177284	-0.090245	0.072467	0.022584	0.017478	-0.022878	0.105116	0.047144	-0.012468
207	-0.159918	-0.064149	-0.073463	0.03125	-0.034636	0.033957	-0.103773	0.103942	-0.115433	0.045018	0.044454	-0.061505	0.140107	0.013799
208	0.095257	0.050276	0.069183	-0.02846	-0.059011	-0.014783	-0.011091	-0.058376	0.042357	-0.123395	-0.078058	-0.007772	-0.068908	-0.021187
209	-0.015342	-0.15527	0.101013	0.016889	0.094885	0.023536	0.069003	-0.083539	-0.023008	-0.021962	0.045646	0.055915	-0.028437	0.067841
210	-0.054537	0.059394	-0.070746	0.037397	0.083321	0.023282	0.115869	-0.029654	-0.139374	-0.047268	-0.011781	-0.125678	0.105761	-0.06193
211	0.000192	0.067822	0.076065	-0.006887	0.135519	0.06658	0.246074	-0.020949	-0.015931	0.105137	-0.006799	0.046711	-0.063627	-0.030437
212	-0.009391	0.019233	0.002044	-0.035657	-0.108703	-0.096673	0.063745	-0.046401	-0.150503	-0.007418	0.140068	0.05878	-0.139739	0.076368
213	-0.096863	0.168116	-0.070665	0.167101	-0.069285	0.097073	-0.058448	0.167749	0.117956	-0.0367	-0.044543	0.033596	0.010057	-0.048835
214	-0.008318	0.020315	0.053771	-0.003943	0.08172	0.055907	0.001765	0.008418	-0.00569	-0.005576	-0.012285	-0.0441	-0.005521	0.019434
215	0.019302	0.055056	0.008749	0.047125	0.022852	-0.032391	0.026959	0.184851	-0.042416	-0.067847	-0.085472	-0.008806	-0.078156	-0.112537
216	-0.007685	0.023055	-0.006834	0.010067	-0.012554	-0.030131	-0.057091	-0.004717	-0.015315	0.014747	0.028826	0.005039	0.056586	-0.0308
217	0.065829	0.051136	0.022174	-0.040918	0.101738	0.018832	-0.01	0.037246	0.063845	-0.055679	-0.108448	0.014227	-0.03002	0.059784
218	0.013716	0.003985	0.024691	-0.008191	0.08056	-0.017554	0.000367	0.029202	-0.02557	0.025009	-0.005518	0.048216	-0.011879	0.003945
219	0.012691	0.030416	0.004496	0.050447	0.049441	0.024763	0.003741	-0.04562	-0.024018	0.027361	0.023661	0.01467	-0.001504	0.03775
220	0.032332	0.066182	0.023091	0.023877	0.01383	0.044799	-0.025349	0.009834	-0.035314	-0.070964	-0.057224	-0.036647	-0.015425	0.004199
221	0.052645	0.049168	0.070328	0.038508	0.049358	0.020434	-0.003718	-0.07252	0.003839	0.020169	-0.0265	-0.012112	0.066875	-0.002683
222	0.01316	-0.000521	0.031241	0.012671	0.016725	0.081497	0.050533	-0.041227	-0.028032	0.012795	-0.006941	-0.022328	-0.021782	0.030542
223	-0.023219	0.078597	0.002446	0.052792	0.003598	0.010299	0.029425	0.012654	0.003592	0.040573	0.046093	-0.04837	0.066668	-0.04388
224	-0.014523	0.015675	-0.009304	0.020813	-0.009388	-0.060099	0.067053	-0.076744	0.062645	0.027868	0.039312	-0.032355	-0.106047	-0.060818
225	0.002821	0.057083	-0.009141	0.026041	-0.002538	-0.054561	0.077862	-0.100915	0.084698	0.03003	0.02267	-0.061998	-0.128463	-0.051102
226	0.016024	-0.014026	0.007174	-0.011727	-0.038791	-0.018404	0.008595	0.00097	-0.032502	0.015682	0.044488	-0.097614	-0.006093	-0.011801
227	0.0088	-0.016671	-0.132523	-0.018097	-0.010535	-0.030676	-0.025376	0.022367	0.044841	-0.03505	0.005418	-0.071569	-0.061847	-0.033221
228	0.032743	0.0705	0.074668	-0.007802	0.016044	0.04722	-0.022706	-0.001341	-0.029483	-0.010069	0.10697	0.018149	-0.003224	-0.014531
229	-0.066658	0.026088	0.008469	-0.007215	0.011554	0.011208	0.018652	0.019875	-0.027373	-0.018801	-0.084615	0.03169	-0.076102	-0.028176
230	-0.046694	-0.032745	-0.007929	0.000575	-0.033566	0.009015	0.040004	0.032476	-0.028833	0.024564	-0.013167	0.006363	-0.006607	0.003135
231	0.019364	-0.025844	-0.051297	0.005058	-0.024283	-0.0119	-0.023962	-0.008699	0.019894	0.053247	0.102311	0.077938	0.004031	-0.113816
232	0.09326	-0.062952	0.079122	-0.029405	-0.064281	-0.047823	0.029136	-0.007776	-0.097396	-0.016749	0.053855	-0.073661	-0.006494	-0.093823
233	0.023978	-0.036837	-0.00557	0.005299	-0.036094	0.001621	0.008996	0.022753	-0.072418	-0.000948	-0.101046	0.012045	-0.030701	0.019246
234	-0.027698	0.060155	-0.015493	0.006941	-0.071132	0.045513	-0.021643	0.048683	-0.040325	-0.030113	-0.005716	0.038686	-0.003242	0.041074
235	-0.041586	0.024999	0.01819	0.070553	-0.043923	0.072454	-0.024086	-0.019125	0.000282	-0.016281	-0.045612	0.104856	-0.067021	0.016043
236	-0.015238	-0.080195	-0.05743	-0.019506	-0.071136	-0.003514	0.037223	-0.031207	-0.015865	0.000655	0.035907	-0.015423	0.112936	-0.067907
237	0.042601	0.006949	0.029309	-0.02431	-0.020732	-0.036307	-0.05704	-0.003382	0.020397	0.017622	-0.033871	-0.04167	-0.022867	-0.043581
238	0.018614	0.048568	0.046473	-0.030413	-0.015203	-0.015486	-0.020101	-0.020052	0.013404	0.030668	-0.009062	0.018188	-0.058122	-0.007437
239	-0.008343	0.022066	0.008586	0.008344	0.001108	-0.009478	0.01187	-0.026293	0.006844	0.026554	0.050903	0.045575	-0.043795	0.034314
240	0.019809	-0.102547	0.013298	-0.024584	-0.025859	-0.041695	-0.002899	-0.011587	0.09235	-0.012306	-0.003396	0.004717	-0.031396	-0.059174
241	-0.0454	-0.106519	0.002766	-0.015599	-0.018265	-0.009091	0.004425	0.03896	-0.003506	0.009823	-0.067165	0.00156	-0.019756	0.023192
242	0.027821	-0.000956	-0.036253	0.043734	-0.046311	0.082625	-0.009047	-0.000369	-0.035016	-0.009126	0.011336	0.053122	0.025035	0.015595
243	0.088457	0.100498	0.014722	0.074025	0.008729	0.051262	-0.005696	0.015419	-0.051126	-0.027207	-0.046606	0.08463	0.012594	0.027196
244	0.058134	0.033838	-0.001904	0.009277	0.04535	0.018589	-0.017576	-0.01371	-0.018766	-0.044057	-0.007768	0.043663	0.061718	0.008278
245	-0.038706	-0.105936	-0.046096	-0.017805	0.054313	0.049428	-0.011678	0.02889	0.042892	-0.02147	-0.023329	0.052057	0.035309	0.043004
246	0.00433	0.017156	-0.043156	-0.007299	-0.042349	-0.008867	0.014787	-0.021834	-0.010553	0.01106	0.00244	-0.024294	-0.022404	0.035376

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
247	0.005372	0.018002	-0.023636	0.014633	-0.015819	0.029374	0.035594	-0.060935	0.01178	0.006287	0.015947	-0.01115	0.016108	0.017968
248	0.020703	-0.018783	0.02359	0.021165	-0.00239	0.026499	0.018289	-0.057705	-0.028646	-0.032018	0.003741	-0.049394	-0.006544	-0.021331
249	0.002547	-0.144429	0.007475	-0.072345	-0.021784	-0.087986	0.06322	0.015906	-0.032861	0.011743	-0.06341	0.030299	0.004832	0.031138
250	0.003232	-0.024938	-0.043157	-0.029981	-0.042191	-0.065168	-0.004033	0.010634	0.059472	-0.006918	0.015209	-0.048255	0.007096	-0.055019
251	-0.014775	-0.03834	0.031215	0.018299	-0.051542	0.030644	0.004718	-0.04289	0.081272	0.010999	-0.009086	-0.033149	-0.023288	0.004656
252	-0.054474	-0.1185	-0.027294	-0.039287	0.033224	0.061964	0.001069	0.073352	-0.003585	0.002665	-0.034852	0.025703	0.023329	0.043208
253	0.037364	0.018443	0.019174	-0.027935	-0.030235	-0.035874	0.019812	0.100024	0.012755	-0.050526	-0.038577	-0.022935	0.027863	-0.007047
254	-0.033515	0.080528	-0.056243	0.065794	0.002507	-0.047705	0.043018	0.031253	-0.020425	0.001186	0.059002	0.055093	0.041463	-0.042246
255	0.035469	0.057173	-0.02846	0.024146	-0.009513	-0.022741	-0.009367	-0.010094	-0.019883	-0.020838	0.010728	0.05919	0.029529	0.013571
256	-0.042874	-0.083613	0.026064	-0.037434	-0.03417	-0.050123	-0.064026	0.06945	-0.013306	-0.018301	-0.0797	0.112871	0.007971	-0.023321
257	-0.07036	-0.016952	-0.009146	-0.059659	-0.061681	-0.030582	-0.046382	0.032225	0.052895	0.004012	-0.066292	-0.046591	0.03427	0.022156
258	-0.060748	0.008719	-0.031403	-0.007187	0.030763	-0.012739	-0.000166	-0.020648	0.058196	0.019331	0.013455	-0.024912	0.003314	-0.007155
259	-0.020951	-0.04262	-0.044099	0.014986	0.007953	0.035293	0.051304	-0.029212	0.012386	0.00917	-0.008831	0.006242	0.003434	-0.007165
260	-0.063529	-0.059197	-0.081546	0.028719	0.068128	0.074007	0.048463	-0.023204	0.03238	-0.045302	-0.001251	-0.083419	0.048653	-0.007739
261	-0.034133	-0.028557	-0.074739	-0.040816	0.018799	0.039866	-0.013276	-0.041419	0.061382	0.017113	0.041083	-0.018751	-0.01312	-0.010943
262	-0.014922	-0.04733	-0.038039	-0.033694	-0.03195	0.034151	0.033668	-0.020191	0.05814	0.021853	0.02947	0.009565	0.007992	0.018688
263	-0.009135	-0.043005	-0.029652	-0.016687	-0.016314	0.068185	0.034897	-0.003341	0.024055	0.023209	-0.012304	0.019082	0.03645	0.020594
264	-0.031465	-0.028036	-0.039217	-0.013726	0.03349	-0.009461	0.028922	-0.016616	-0.046453	0.021647	-0.022701	0.044299	-0.029938	-0.025056
265	-0.043313	0.061491	-0.093594	-0.014862	0.055188	-0.072632	0.039401	0.041591	-0.051592	0.068859	0.075068	0.05815	0.000265	-0.062308
266	-0.00359	0.088344	-0.029487	-0.015463	0.036359	-0.0514	0.004987	-0.003694	-0.04165	0.045408	0.105977	0.054349	0.046115	-0.003754
267	0.049034	0.067693	-0.021505	-0.036345	0.014897	-0.075407	-0.030942	0.006142	-0.003497	-0.086473	0.026391	-0.004585	-0.027232	-0.092216
268	0.022806	-0.024486	-0.00301	-0.034149	-0.028015	-0.008742	0.018057	0.028214	-0.036234	-0.002214	0.056888	-0.052279	-0.01298	-0.022778
269	0.033534	-0.010394	0.015141	-0.002938	-0.038118	0.003043	0.017556	0.031515	-0.037445	-0.011039	0.015266	-0.063526	-0.008481	-0.026412
270	0.030992	-0.040033	-0.052088	-0.008045	-0.018804	0.000591	-0.009092	0.026709	-0.029072	-0.044359	0.050695	-0.073147	0.001822	0.013388
271	-0.002574	0.00679	0.010586	-0.083131	0.059468	-0.013285	0.088197	-0.146684	-0.013274	0.078246	0.002231	-0.060722	0.115918	0.074953
272	-0.036945	-0.006129	-0.02105	-0.013507	0.019996	-0.005097	0.010091	-0.034809	-0.00124	0.012287	-0.016666	0.019475	-0.069309	-0.020869
273	-0.034284	-0.091107	-0.019575	-0.001854	0.029961	0.042069	0.066431	0.050393	-0.007031	0.00121	0.001459	-0.035786	-0.025149	0.008631
274	-0.038601	-0.080494	-0.018977	0.010655	0.028286	0.044808	0.048631	0.04826	-0.008331	0.005518	-0.010944	-0.036433	-0.021876	0.018632
275	0.001211	-0.067312	-0.095134	0.028727	0.017357	0.044773	-0.007406	-0.014524	-0.05804	-0.08215	-0.013252	-0.010269	0.032248	0.029401
276	-0.05215	-0.089363	-0.066545	-0.033379	-0.059692	0.01427	0.010569	-0.038233	-0.001385	0.000937	0.046094	-0.00718	0.072419	-0.069747
277	0.018851	-0.013014	-0.004382	0.04321	0.032589	0.004229	0.001621	0.002172	0.009756	-0.029442	0.07445	0.043941	-0.01415	-0.012187
278	0.00462	-0.000482	0.011329	0.093824	0.01743	-0.007915	-0.004492	-0.022038	0.005782	-0.040215	0.073413	0.039085	-0.010145	-0.013533
279	-0.016648	0.025397	0.044213	0.046401	0.020922	0.002354	0.02454	-0.041783	-0.016354	-0.003214	0.076315	0.03133	-0.032753	0.028091
280	0.121303	0.044991	0.002543	0.027811	-0.007262	0.019285	-0.000439	0.077339	-0.049325	-0.006158	-0.035919	0.067297	0.006208	0.004186
281	-0.03191	0.016661	-0.01464	0.051958	0.008265	0.039896	0.050483	-0.035353	-0.000627	0.056644	0.038892	0.000285	-0.003112	0.029989
282	-0.078498	0.011003	0.009765	0.069867	0.006285	0.046651	0.086686	-0.055377	-0.004004	0.063884	0.019518	0.025712	0.034628	0.063538
283	-0.036944	0.005306	0.026434	0.082779	0.007784	0.07045	0.047671	-0.082887	-0.010255	0.006375	0.040853	-0.008733	0.052111	0.037388
284	-0.074245	-0.026488	0.017196	-0.038922	-0.035305	-0.012545	-0.038064	0.019087	0.026812	0.021094	-0.050731	-0.024431	0.01358	-0.020131
285	-0.088744	-0.016595	0.037331	-0.040075	-0.046132	-0.018118	-0.015493	0.026709	0.025131	0.017441	-0.058648	-0.02332	0.04715	0.033048
286	-0.110663	0.038721	0.003428	0.007765	0.038757	-0.001007	-0.042255	-0.000762	0.028503	0.075484	-0.050533	0.013085	-0.008615	0.006847
287	-0.089143	0.022953	0.011406	0.025274	0.038283	0.007902	-0.02728	-0.001078	0.014374	0.052923	-0.045093	0.016833	0.023746	0.047053

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
288	-0.036191	-0.003836	0.005669	0.047822	0.028463	0.038593	-0.003032	-0.032869	0.026889	0.00046	0.070169	-0.059456	-0.020987	0.00826
289	-0.01769	-0.021918	-0.037315	0.015507	-0.045984	-0.010162	0.028513	-0.026089	-0.018313	-0.016546	0.042276	-0.000853	0.039042	0.055317
290	0.042497	0.031985	0.024863	0.012311	-0.039677	0.013927	0.000977	0.006905	0.017023	-0.078499	-0.003043	0.001531	-0.046413	0.02564
291	0.04145	0.032795	0.024851	0.011609	-0.03238	0.010181	-0.001323	0.006084	0.018431	-0.073594	-0.006572	0.004636	-0.038608	0.021913
292	0.038356	0.052485	0.045261	-0.001462	-0.039868	0.010683	-0.00775	0.021028	0.015971	-0.051039	-0.018843	0.003737	-0.057797	0.02773
293	0.010439	-0.036127	-0.135594	0.053113	-0.033614	-0.107822	0.031371	-0.013143	0.02014	0.051375	0.011104	-0.004845	0.047994	-0.092643
294	0.025718	-0.023009	-0.029914	0.020376	0.050451	0.002285	0.013038	-0.011383	-0.034856	-0.021602	0.037264	0.02856	-0.000337	0.004385
295	0.005638	-0.071046	-0.048805	0.025743	-0.016233	-0.00057	0.035804	0.028323	0.069485	0.002295	0.020552	0.031264	-0.009952	0.029994
296	0.101032	-0.026438	-0.01756	0.021967	0.052129	0.100405	0.015169	0.038902	0.017673	-0.098981	0.057816	-0.00683	-0.04107	0.081242
297	-0.016114	-0.084733	-0.050399	0.070593	-0.016375	0.007661	0.004259	0.028375	0.089552	0.000305	0.038134	0.023557	-0.003347	0.028667
298	0.047831	0.089669	0.058267	-0.001337	0.045289	0.050884	0.04414	0.048017	-0.044035	-0.070304	0.00854	-0.063309	0.036222	-0.007726
299	0.024144	-0.018345	-0.040843	0.022756	-0.06739	0.031388	0.03744	-0.007197	0.064382	0.028342	0.074635	-0.019077	0.031659	-0.033559
300	-0.053882	0.094365	0.075231	0.014409	-0.114013	-0.075069	-0.032621	0.051529	0.045814	-0.03804	0.065736	0.02911	-0.034114	-0.038992
301	0.004891	-0.009648	-0.020127	-0.01912	-0.103224	-0.003674	0.030598	-0.008601	0.045756	-0.027734	0.009648	0.001216	0.016984	0.021522
302	0.027418	0.018317	-0.024143	-0.027545	-0.082716	0.044295	0.004489	-0.019142	0.040323	-0.062911	0.012671	0.010666	-0.014434	0.095959
303	0.040709	0.093163	-0.007207	0.014915	-0.009993	0.05741	0.013818	-0.014981	0.055078	-0.014913	0.020497	-0.0111	-0.014535	-0.008548
304	0.067515	0.04314	-0.001075	0.015052	-0.054388	0.058759	-0.004813	0.021136	0.077653	-0.028554	0.07038	-0.056585	-0.06902	0.01389
305	0.013265	0.096355	-0.0998	0.011094	-0.050818	-0.103164	-0.077966	-0.028297	-0.050572	0.158271	-0.004514	0.009771	0.071991	0.084181
306	-0.051073	-0.019751	-0.074969	-0.051809	0.050898	-0.182411	-0.117353	-0.026618	0.060848	-0.026973	-0.054732	0.022712	0.005632	-0.121638
307	-0.092231	-0.059795	0.073452	-0.052554	0.094736	-0.026889	-0.063829	0.021187	0.077378	-0.028268	0.034284	0.057435	0.051236	-0.025224
308	0.011469	-0.019763	-0.00385	0.019889	-0.002069	0.072918	0.023337	0.069507	-0.081742	0.094759	-0.014109	-0.127242	-0.041538	0.084961
309	0.076666	0.019816	-0.007215	0.00769	-0.022642	-0.003003	0.020125	-0.030182	0.024725	-0.025941	0.027748	0.082784	0.052664	0.00607
310	0.116684	0.081281	-0.061168	-0.023786	0.096198	0.012676	0.054645	-0.028531	-0.012561	-0.0763	-0.090136	0.116571	0.078152	-0.012588
311	-0.018472	-0.052337	-0.030471	0.008981	-0.015244	-0.006247	0.058687	0.013925	0.010625	-0.032767	0.009227	0.000413	0.007756	0.002282
312	0.084708	-0.039699	0.019235	0.277894	-0.066908	-0.017669	-0.133321	0.110058	-0.011676	0.122477	0.047039	-0.040219	-0.165787	0.100898
313	-0.028237	0.007993	-0.028732	0.042605	-0.010025	-0.034736	0.007768	0.017571	-0.04239	0.004777	-0.083511	0.005036	-0.105904	-0.020232
314	-0.000247	-0.082113	0.158284	0.167797	0.191534	-0.165719	-0.006929	0.110752	-0.008783	0.0539	-0.055115	0.099567	0.016654	0.066676
315	0.046903	0.024474	0.023314	0.028639	-0.007192	-0.022204	-0.028119	0.004237	0.027234	0.042026	0.041676	0.02084	0.016807	-0.004119
316	0.158359	0.114843	-0.048179	0.022106	0.030629	-0.141347	-0.008876	-0.045437	0.003025	-0.170813	-0.108081	0.034865	-0.000371	0.063411
317	-0.002401	0.004701	0.029691	0.019744	-0.020161	-0.020123	0.025281	0.001084	0.026904	-0.029623	0.021453	0.078156	0.05438	-0.024518
318	-0.003141	-0.015161	0.098866	0.052409	-0.006804	-0.001108	-0.008195	-0.088437	0.023659	-0.096778	0.036095	-0.084479	0.072702	0.014761
319	0.004098	0.033559	0.069172	0.026011	-0.018982	-0.01213	0.021921	-0.004341	0.042761	-0.011884	0.010156	0.042827	0.052555	-0.042874
320	-0.046475	0.018859	0.013012	0.0685	0.028361	-0.041861	0.026954	-0.001695	-0.00103	-0.077817	0.002378	0.003518	-0.074016	-0.018207
321	-0.067322	-0.084321	0.044906	-0.036883	0.05156	0.065037	0.003783	-0.013243	0.029954	-0.078269	0.052709	0.016087	-0.022025	-0.012617
322	0.045898	0.085859	-0.016249	0.026596	0.015216	-0.047087	-0.067246	-0.032298	-0.015565	0.005802	0.051965	0.059434	-0.040888	0.045253
323	-0.040613	0.017292	0.079863	-0.026451	-0.02301	-0.049107	-0.034705	0.062946	-0.021687	0.021323	0.018848	0.003746	-0.066475	-0.053928
324	0.024786	0.00377	-0.054674	-0.016041	0.058128	-0.016982	0.003506	-0.060855	-0.051455	-0.04311	0.060109	-0.162625	0.129358	0.130772
325	0.042622	0.003022	-0.0245	-0.028553	0.044165	0.067939	-0.03689	-0.038942	-0.052898	-0.068115	0.025174	0.04354	0.016581	-0.011516
326	0.010155	-0.092215	-0.070668	0.000734	0.003488	0.0628	0.02553	-0.084197	-0.119096	0.027243	-0.011981	0.06237	0.007201	-0.044619
327	0.02301	0.056889	0.022343	-0.050677	-0.027832	0.077415	-0.00719	-0.029794	-0.00424	-0.00956	0.029804	0.002429	-0.037204	-0.003933
328	0.073967	-0.034434	0.113337	-0.007464	0.08804	-0.157886	0.005227	0.088372	-0.045373	0.153173	0.055	0.068216	-0.009126	0.116983

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
329	0.005699	0.016166	0.075113	-0.031465	-0.076657	0.081031	-0.004647	-0.080191	-0.024322	0.023688	0.001266	0.05256	-0.016302	0.004767
330	-0.07082	-0.067843	-0.098966	-0.032371	-0.028724	-0.004758	0.063905	-0.041236	-0.044066	-0.038151	-0.064007	0.014214	-0.001855	0.021143
331	0.04929	0.003901	0.00056	0.003814	0.017792	0.004045	-0.037728	-0.038155	-0.043037	0.00916	0.057083	0.035032	-0.018713	-0.046255
332	-0.060146	-0.098419	-0.079211	0.046641	-0.037213	-0.056777	0.183216	-0.070148	0.038552	-0.060815	0.014857	-0.02774	0.039594	0.069893
333	0.030734	-0.048402	0.020172	-0.046068	-0.026369	0.000569	-0.034555	-0.048251	-0.045683	-0.088173	0.050077	0.037635	0.01865	-0.031384
334	0.015227	0.015739	0.073516	-0.095679	0.005777	0.088444	-0.106648	-0.075927	-0.032646	0.098106	-0.102828	0.056472	-0.091935	0.110499
335	-0.019947	-0.003681	0.022544	0.000292	-0.020188	-0.015254	-0.014419	-0.009871	-0.083921	-0.061615	-0.022981	0.047343	0.003136	-0.07077
336	0.024303	-0.003614	0.032265	-0.058493	-0.046302	-0.018982	-0.035636	0.007412	-0.010824	0.000127	0.086555	0.036404	0.01707	-0.095933
337	0.000891	0.006944	0.034298	-0.011801	-0.034783	-0.042494	0.017774	-0.02437	0.040934	-0.011678	-0.02044	0.011227	0.028994	0.060127
338	0.113519	0.017598	0.044096	-0.144905	0.057116	0.081976	0.176627	0.111496	-0.060694	0.074825	-0.061085	-0.098613	0.038532	0.079952
339	-0.095908	-0.068709	0.071401	0.030595	-0.045302	-0.011024	-0.004054	-0.034066	0.089275	0.049663	0.059042	0.040669	-0.092975	-0.015455
340	0.113488	-0.010944	0.000186	0.073126	0.027947	0.101568	-0.17423	-0.02718	-0.104091	0.092499	-0.055888	-0.129007	0.200205	0.004049

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
1	-0.054715	0.011905	0.014341	-0.020284	0.07073	-0.124344	0.164221	0.002368	-0.058005	0.080075	0.000044	-0.025475	0.039348	-0.005293
2	-0.007568	-0.013698	-0.002308	0.026203	0.211189	-0.092968	-0.211613	-0.04018	0.049116	-0.057183	0.060286	0.031191	-0.032572	0.07929
3	-0.015209	-0.007974	0.057555	-0.007441	-0.036383	0.034811	0.098329	0.028042	0.000101	-0.025347	-0.000176	-0.00543	0.008302	0.01695
4	-0.008358	0.01097	-0.003389	-0.018954	0.015222	-0.035402	-0.072999	0.040577	-0.034974	0.00482	-0.040571	-0.006765	0.016198	-0.0292
5	-0.032719	0.021704	-0.123165	-0.053327	0.065541	-0.046124	-0.014063	-0.039702	0.012219	0.182219	0.015825	0.002181	0.034799	0.009931
6	0.038688	0.059239	-0.077204	-0.096328	0.061341	-0.020443	0.123992	0.064995	0.061984	-0.031137	0.058867	0.060366	-0.045772	0.032428
7	-0.088479	-0.024757	0.160743	-0.02549	-0.158814	0.116544	0.085552	0.040744	-0.043097	-0.010667	-0.033164	-0.060809	-0.036919	-0.051392
8	0.08561	-0.148607	-0.075453	0.01636	0.019172	-0.008706	-0.148106	0.028049	-0.079716	0.003662	-0.080863	-0.09816	0.059363	-0.024446
9	-0.082826	0.04032	-0.012	0.039487	-0.181825	-0.044366	0.047693	0.053796	-0.012139	0.089867	-0.018913	-0.034123	0.011312	-0.020567
10	-0.023697	-0.027095	0.01852	0.079126	-0.074336	-0.009677	0.049861	0.023689	-0.09058	0.05754	-0.020381	-0.019758	-0.024083	-0.059089
11	0.052119	-0.10629	-0.063371	0.030322	0.134048	-0.096645	0.0084	0.010514	0.088568	0.006195	0.001937	0.079756	0.018288	0.004282
12	-0.134065	-0.02872	-0.00253	-0.042346	-0.044533	-0.001227	-0.01368	-0.075784	-0.06339	-0.092348	0.001731	-0.029521	-0.082719	-0.020956
13	0.090733	-0.002702	0.017672	0.004231	0.165934	-0.134662	-0.037596	0.002932	-0.03278	-0.033554	-0.017022	-0.013644	-0.002949	-0.00551
14	-0.016982	0.022391	-0.028746	-0.060032	-0.023311	-0.010395	0.005524	0.058602	0.01883	0.037729	0.023231	0.018776	0.062719	0.020787
15	0.031841	0.01278	0.0667	-0.078753	0.129094	-0.004429	-0.013298	-0.012413	0.04014	-0.040022	0.024723	-0.049579	-0.002882	0.042107
16	0.08112	0.191659	0.08272	0.029995	-0.06434	0.051898	-0.051333	0.031676	0.028048	0.036475	0.018284	0.027248	0.027322	0.04947
17	0.036687	0.081759	0.080453	0.012609	0.050791	-0.087999	-0.102394	0.026681	-0.027319	0.02243	-0.01499	-0.027496	0.058815	0.014644
18	-0.034623	0.080695	-0.064681	0.079008	-0.055734	0.033785	-0.006928	0.065629	0.056702	-0.040164	-0.010527	-0.001633	0.010493	0.022537
19	0.022564	0.083455	-0.05068	0.04149	-0.032792	-0.058129	0.041325	-0.011584	-0.082944	-0.002268	-0.099736	-0.035149	0.093579	-0.021026
20	0.003436	-0.039131	-0.00875	-0.02895	0.01474	-0.070815	-0.000936	0.046141	-0.01493	0.0261	-0.045593	-0.043065	0.014213	-0.005101
21	0.063819	-0.015726	-0.064181	0.131667	-0.099203	0.090447	0.109607	0.014819	0.084996	0.073649	0.052489	0.014821	-0.021056	0.038946
22	0.03779	-0.158435	0.007588	0.069041	-0.011088	0.003785	-0.090779	0.003569	0.043603	-0.029007	-0.00543	0.049146	-0.009631	0.033887
23	-0.187901	-0.054924	-0.018825	-0.128927	0.126611	-0.113603	-0.057046	0.011724	0.018287	-0.011185	0.015213	0.022159	-0.101231	-0.070563
24	0.045377	-0.111325	-0.009913	0.046365	0.031424	-0.048081	0.027582	-0.024493	-0.141063	-0.03133	-0.103014	0.018034	0.023253	-0.057112
25	-0.05151	0.020848	0.133052	0.133973	-0.12656	0.119382	-0.003962	-0.150277	-0.042876	-0.002814	0.016697	-0.059433	-0.021084	0.043721
26	0.029491	0.002125	-0.021843	-0.06214	0.057775	-0.059631	0.16764	-0.024866	0.000043	-0.052977	-0.054115	0.078084	-0.105808	-0.034277
27	0.002353	0.008792	-0.016402	-0.000607	-0.075919	0.089134	0.083401	-0.051005	0.009968	-0.011766	0.007627	-0.002239	0.045398	0.029651
28	-0.105535	0.019113	0.086319	0.110932	0.055139	0.002892	0.084024	0.003462	-0.030384	-0.009531	-0.054953	0.052726	0.034491	0.040115
29	0.014249	0.240109	0.096676	-0.021346	-0.188837	0.043935	-0.731307	0.007217	-0.010346	0.004727	-0.021788	0.02508	-0.021623	-0.021333
30	-0.005242	0.005255	-0.052702	-0.034194	0.08804	-0.044768	-0.029347	0.042471	0.014666	0.004499	-0.035793	-0.097731	0.004002	-0.121602
31	0.005698	-0.037636	-0.004362	0.063646	0.022786	-0.017631	0.002646	-0.038609	-0.052517	-0.030026	0.005436	0.015318	0.006104	0.01813
32	-0.055089	0.040575	0.036773	0.004569	0.078676	-0.095758	-0.039975	-0.028582	-0.049184	0.048295	0.006181	0.036514	0.068142	-0.060007
33	-0.040454	-0.010288	0.04715	-0.038748	-0.085286	0.045947	0.041567	0.061989	0.026453	-0.027107	0.011246	0.050072	0.006175	-0.038167
34	-0.004058	-0.033006	-0.010391	-0.093737	-0.051238	-0.02443	0.015016	-0.004625	-0.025775	-0.04096	0.007671	-0.062006	0.010593	0.024944
35	-0.091551	-0.123801	0.068676	-0.001034	-0.17418	0.155086	0.007831	-0.010182	-0.01561	-0.013426	0.011084	-0.039751	0.073317	0.009106
36	0.045079	-0.029686	-0.019066	-0.15553	-0.173147	0.046686	0.010538	0.027193	0.088794	-0.04292	0.057356	-0.006177	-0.020492	-0.026133
37	-0.014484	-0.032335	-0.043202	0.033773	0.056549	-0.03858	0.014448	0.007218	0.041869	-0.103717	-0.01509	-0.052954	0.039181	-0.025719
38	-0.033847	-0.03113	0.157107	0.01775	0.008325	-0.009661	-0.035496	-0.061846	-0.098694	0.039759	-0.027557	0.099499	0.00859	-0.055552
39	0.141356	-0.004147	0.025729	0.035468	-0.070295	-0.090868	-0.010966	0.107855	0.034678	0.109939	-0.043054	-0.065517	-0.027565	-0.038188
40	0.016488	0.032012	0.033443	-0.012665	0.535203	0.748207	-0.017847	0.014449	-0.020871	0.03339	-0.026141	-0.01683	-0.000724	-0.036829
41	0.00377	0.015913	-0.014066	0.040083	-0.148381	0.039722	0.060163	0.099032	0.037418	0.001971	-0.052562	-0.02253	0.084298	0.026459

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
42	0.012731	0.038294	0.012149	-0.014611	0.020433	-0.075285	0.011846	-0.037578	-0.060808	-0.014239	-0.030181	0.060832	0.021983	0.070805
43	0.018529	0.006643	0.037871	-0.002981	-0.026118	-0.070314	0.049407	0.152554	-0.002269	0.061775	0.006594	-0.045666	0.058141	0.022013
44	0.025308	0.032692	0.010139	0.012693	-0.091225	0.015105	0.052309	0.003824	-0.064057	-0.030556	-0.106299	-0.065039	-0.020906	-0.144054
45	0.049124	-0.012652	-0.035355	0.036132	-0.003911	-0.056627	0.015199	0.011724	-0.000432	0.051604	0.053837	0.045824	0.04224	0.064241
46	-0.020379	0.038704	-0.075424	-0.010989	0.074974	-0.080185	-0.021866	-0.051215	-0.004915	-0.005533	0.033216	0.001971	-0.036611	-0.104989
47	0.043296	-0.023712	-0.009266	0.088258	0.033215	-0.004633	-0.01036	-0.056647	0.050615	-0.058382	0.040639	-0.032364	0.019273	0.07564
48	0.015963	0.006931	-0.0578	-0.058784	-0.075083	0.031473	0.04172	0.044759	-0.04175	0.053135	-0.047654	0.054908	-0.027107	0.098993
49	-0.022393	0.032501	-0.055951	-0.047654	0.045852	-0.049503	-0.036987	0.05087	0.008609	-0.011641	-0.035815	-0.095372	-0.014039	0.0752
50	-0.015233	-0.00287	-0.08047	-0.021912	0.062326	-0.023163	-0.028294	0.048534	0.025074	0.102743	0.066275	0.029652	0.015486	0.074489
51	-0.047764	0.010243	0.054411	0.017407	-0.012634	0.028932	-0.024557	0.060894	0.049526	-0.001549	-0.039443	-0.012684	0.026815	0.02988
52	-0.015718	0.009526	-0.033768	-0.008955	-0.073755	0.065808	0.021957	-0.053765	-0.034831	-0.001911	0.018689	-0.003015	0.006776	-0.014017
53	-0.041929	0.043753	-0.044929	-0.032214	0.055673	-0.029158	-0.050153	0.064112	0.131777	-0.037895	0.049816	0.059448	0.048949	0.026799
54	0.014536	0.117108	0.011026	-0.072048	0.028776	-0.038725	0.003816	0.013575	-0.090598	0.018505	-0.089785	-0.03933	0.012256	-0.038328
55	0.020371	0.039394	0.040174	0.026452	0.01749	0.003758	-0.008617	0.004016	0.004699	0.001458	-0.01427	-0.02452	-0.036338	-0.04243
56	0.004681	-0.037493	-0.041321	-0.009986	0.013778	-0.026418	-0.042568	-0.026949	0.003659	-0.026464	-0.062209	-0.053988	-0.057229	-0.143641
57	0.06478	0.010423	-0.004504	-0.008576	0.056075	-0.068442	-0.006992	0.044428	-0.001541	0.121271	-0.039369	-0.026652	-0.043665	-0.114382
58	0.054073	-0.008855	0.051965	-0.001477	-0.010587	0.002347	0.008435	-0.029736	-0.009728	-0.036761	0.07647	0.040024	-0.034786	-0.05222
59	-0.075171	0.068951	-0.005651	0.065349	-0.053365	0.000926	0.015531	0.078931	-0.014887	0.066999	0.024655	0.005126	-0.03812	-0.122251
60	-0.028286	0.002983	0.013119	0.056597	0.069227	0.02117	-0.002727	0.86511	-0.044586	-0.046133	0.008383	0.016733	-0.030682	-0.004154
61	-0.104571	-0.008872	0.128385	0.029158	0.01244	-0.033626	0.02626	-0.045525	0.867553	0.016024	-0.065926	-0.020015	0.009693	-0.047619
62	-0.01878	-0.045649	-0.043413	-0.031855	0.025766	0.035967	-0.020751	-0.049115	-0.001372	0.835211	-0.00244	-0.005734	-0.028309	0.010967
63	-0.013733	0.003553	0.013442	0.061946	0.002615	-0.027335	-0.001917	0.010082	-0.064707	-0.007231	0.905289	-0.038905	0.006752	-0.049671
64	0.059009	-0.015099	0.025135	0.010758	-0.048253	0.022229	-0.024159	0.001101	-0.020873	-0.007844	-0.025042	0.893509	0.005219	-0.020363
65	0.053161	-0.047232	0.024331	-0.030358	0.018679	0.002486	-0.002438	-0.021577	0.012087	-0.02922	0.01354	0.007317	0.897772	-0.036785
66	-0.04611	0.012042	-0.008708	-0.061349	-0.023959	0.007852	-0.020319	-0.002454	-0.039757	-0.001038	-0.035944	-0.031757	-0.040304	0.835579
67	-0.041185	-0.006127	-0.05533	-0.038305	-0.003354	-0.021421	0.040965	0.007118	-0.03322	0.003377	-0.041792	-0.005442	-0.000883	-0.068187
68	0.119316	-0.087116	-0.086497	0.039397	-0.06638	0.039459	-0.037415	-0.001795	-0.003023	-0.012875	-0.006329	0.024078	-0.039562	-0.016659
69	-0.066947	-0.088643	0.052785	-0.096556	-0.045727	0.04355	-0.04379	0.019298	-0.016807	0.001771	-0.001714	0.003988	0.013022	0.003202
70	-0.005943	0.019564	0.024313	-0.045885	-0.025595	0.029433	0.021949	-0.012002	-0.00951	-0.005383	-0.009034	0.019715	-0.01062	-0.03179
71	-0.005616	-0.128581	-0.0706	0.076659	-0.036848	0.04067	-0.021074	0.008061	0.002755	0.018074	0.000319	-0.019294	-0.003458	-0.003486
72	-0.014967	-0.057921	-0.012348	0.066882	-0.040564	0.050012	-0.006922	-0.002657	0.008721	0.002455	0.002912	-0.022504	-0.00663	0.023889
73	0.017571	-0.017688	-0.065846	-0.118333	-0.031708	0.038902	0.01213	0.001781	0.024126	-0.00146	0.033687	0.019625	-0.008645	-0.02511
74	0.100794	-0.001051	0.049417	0.076587	-0.024297	0.033738	0.013248	0.009639	0.021606	-0.013075	0.000132	-0.006224	-0.005903	0.006551
75	0.01329	-0.009879	-0.021428	0.027547	-0.021182	0.025971	0.002711	-0.009606	-0.01387	-0.005754	-0.018879	0.00231	-0.012396	-0.024824
76	-0.077355	0.033756	0.00936	0.012269	0.040112	-0.046996	-0.006234	0.011651	-0.00414	-0.000722	-0.013995	0.013012	-0.003635	-0.001293
77	0.011862	-0.035979	-0.024003	0.026035	-0.031053	0.03418	-0.003182	-0.0007	-0.014716	0.002256	-0.02095	0.0062	-0.009297	-0.024041
78	0.003812	0.000748	-0.044879	0.038482	-0.08531	0.07569	0.014749	-0.000657	-0.013671	0.00572	-0.015621	0.008786	-0.007825	-0.026457
79	0.050739	0.026672	0.001151	-0.072291	-0.031643	0.031568	0.013211	-0.0129	0.003509	-0.006142	0.008804	-0.009746	-0.005786	-0.022273
80	0.067098	0.009945	0.152968	-0.049695	0.026808	-0.040321	0.019697	0.003225	-0.027652	0.029017	-0.007346	-0.0431	0.003636	-0.029636
81	-0.037188	-0.064204	0.134638	0.152435	0.033454	-0.026918	0.026388	0.010456	-0.009024	-0.006548	-0.015534	0.01604	-0.008728	0.021574
82	-0.022942	0.051689	-0.036019	-0.024823	0.027803	-0.024697	0.029225	-0.0028	0.005724	0.018684	0.018073	0.01051	0.002304	0.004013

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
83	0.00325	0.068667	0.014513	0.022636	0.023371	-0.013247	0.036276	0.004183	-0.006918	0.025243	0.004811	-0.001892	0.00298	0.009144
84	0.009829	0.005753	-0.004708	0.060156	0.003395	0.001418	0.045003	0.005877	-0.000096	0.018917	0.009701	0.007657	-0.001952	0.013966
85	-0.040995	-0.067886	0.036793	-0.039792	0.011054	-0.01444	0.000625	0.017582	-0.012562	0.000258	0.011023	-0.020841	0.008207	0.012921
86	-0.05498	-0.063342	-0.016368	0.048858	-0.019527	0.005194	-0.008231	0.015412	-0.011374	0.019705	0.00238	-0.008009	0.007945	-0.005036
87	-0.046332	-0.00145	0.045584	0.015097	0.057449	-0.046708	-0.011853	-0.005699	-0.011922	0.010291	0.000588	-0.014584	0.008617	0.002213
88	-0.016213	0.045584	-0.013025	-0.024683	0.021234	-0.003312	0.041892	0.001916	0.002528	0.023602	0.010448	0.000744	0.009785	0.00473
89	0.00368	0.012919	-0.03055	0.022551	-0.049582	0.057691	0.024758	0.008485	0.001388	0.02409	0.016228	0.003579	0.004627	0.006763
90	0.026011	-0.016124	0.030376	0.006947	-0.025795	0.037637	0.014856	-0.003724	-0.017372	0.007356	0.003368	-0.009753	-0.00671	-0.000288
91	0.087969	-0.005612	-0.027481	0.04589	-0.020456	0.016281	0.022993	0.007159	0.015026	0.015713	0.018502	-0.010555	-0.013821	0.001478
92	-0.002587	0.105976	0.00785	0.060152	0.005054	0.008677	0.031387	0.022383	0.024089	0.03321	0.022944	0.034701	-0.011374	0.017196
93	0.088337	-0.069971	0.016992	0.00409	0.043823	0.001865	0.028349	-0.009861	-0.015899	0.00919	-0.012435	-0.008339	-0.012777	-0.002839
94	0.038874	0.073438	-0.020221	-0.037974	-0.027119	0.06471	0.040638	-0.014894	0.007068	0.005589	0.011457	0.017881	0.006308	-0.011914
95	-0.009287	-0.039843	-0.061719	0.009389	-0.0187	0.018243	-0.056611	0.023247	0.016401	0.008218	0.016193	0.016663	0.040167	0.00483
96	-0.008627	0.068151	-0.040407	-0.104366	-0.063017	0.006759	0.066674	-0.010122	-0.009862	0.030293	-0.0139	0.005855	0.015356	-0.030202
97	0.024133	0.067229	0.154916	0.000191	0.002939	-0.020749	-0.000185	-0.001268	-0.010607	0.02459	-0.006318	-0.007902	-0.008877	-0.009457
98	0.019678	0.037736	0.01156	0.028266	-0.000434	-0.00731	0.025535	0.009701	0.004212	0.006111	0.001559	-0.017899	0.012285	-0.00465
99	-0.002012	0.017216	0.075055	-0.035348	-0.002978	-0.012208	0.005084	0.006145	0.001912	0.020376	0.006457	0.006855	-0.005362	-0.000262
100	-0.104336	0.040932	-0.025964	-0.021902	-0.014547	-0.00123	0.008425	0.014573	-0.010737	-0.007039	-0.021808	-0.001196	0.023012	0.005459
101	0.057797	0.004131	0.003545	0.05893	0.021824	-0.007745	0.014406	0.006472	0.003719	-0.003965	-0.002615	-0.021476	0.009882	-0.01301
102	-0.042189	-0.042379	0.085304	0.079714	-0.01917	-0.02464	0.06582	0.020154	-0.020292	0.039093	-0.032027	0.022411	0.021694	0.037662
103	0.054206	-0.029632	0.065986	0.111921	-0.011078	-0.012572	-0.031232	0.016961	-0.000119	0.017524	-0.014583	-0.020887	0.014787	0.015502
104	-0.007318	-0.06945	0.089865	-0.062637	-0.023991	0.000552	-0.013847	0.016557	-0.009462	-0.012799	0.001727	-0.008267	-0.025468	-0.018719
105	-0.056824	-0.035786	-0.12354	-0.014141	0.02452	0.020167	0.02567	-0.029647	0.022513	-0.032854	0.023723	0.017855	-0.034238	0.026429
106	0.045701	0.029443	-0.089073	0.077673	0.000734	-0.002816	-0.002708	-0.003853	0.029081	-0.018054	-0.008648	-0.027208	0.016903	-0.008263
107	-0.051071	0.032208	-0.048477	0.002234	-0.025243	0.02804	-0.023725	0.001252	0.001384	-0.005895	-0.018622	-0.00112	0.013427	-0.02587
108	0.067633	-0.089441	0.036342	0.015315	0.015119	-0.024214	0.036069	0.017031	0.007152	0.000674	0.014885	-0.01599	0.013682	0.035305
109	-0.139813	0.113425	-0.026434	0.037187	0.026288	0.007534	0.007503	0.0055	-0.004665	-0.057191	0.001696	0.020394	0.023473	0.042246
110	0.015431	-0.024305	0.061269	0.139026	0.044912	-0.055015	-0.053888	-0.006002	-0.024668	0.04208	-0.010481	-0.027866	0.016114	0.010278
111	-0.011423	0.152506	0.018105	0.026234	-0.024457	-0.028299	0.057183	-0.001583	0.006653	-0.005565	0.011138	-0.01057	0.000561	-0.001134
112	0.070955	-0.088	0.02106	-0.057393	-0.045079	0.018459	0.041221	0.031793	-0.01202	0.012911	-0.018604	-0.015759	0.024583	0.022518
113	0.056676	0.003206	-0.096222	-0.007942	-0.059477	0.037688	-0.017578	0.009233	0.029188	-0.009993	0.027546	0.001917	0.012168	-0.001675
114	0.098861	-0.139017	0.140248	-0.128835	-0.023103	0.003229	-0.027943	0.067257	0.002604	0.030566	0.005297	-0.01663	0.022322	0.010935
115	0.041503	0.024318	-0.05195	0.108578	0.048956	-0.054422	0.028361	-0.028834	-0.000672	-0.053877	-0.015439	-0.022432	-0.015661	-0.022828
116	0.036509	0.022232	0.09555	0.051607	-0.025873	0.019517	0.022194	0.010792	-0.016815	-0.00577	-0.012174	-0.010565	-0.015564	0.014478
117	-0.030441	-0.019355	0.108514	0.040115	0.035603	-0.057864	0.022604	0.001947	0.023584	0.020626	0.015237	0.022103	-0.013631	0.025001
118	0.050417	-0.012628	0.065421	-0.132637	-0.019085	0.030543	0.008914	0.01389	0.029428	-0.058348	0.0156	0.006758	-0.002008	-0.001912
119	-0.022734	-0.032711	-0.028477	-0.041677	-0.022491	0.050949	-0.056606	0.012016	0.019513	-0.010217	-0.001851	-0.003172	0.011996	0.007302
120	0.041642	-0.036513	0.016239	-0.009935	-0.036323	0.019559	-0.011832	0.042086	0.050755	0.023904	0.028317	-0.004923	-0.005047	0.001667
121	0.096512	0.021046	0.065046	-0.073568	-0.025275	0.023395	0.013763	0.022993	0.039463	-0.021114	0.002316	-0.016669	-0.015521	0.029603
122	0.029268	0.056463	0.010597	0.059294	0.056507	-0.03569	0.014895	-0.025157	-0.029549	-0.004169	-0.001155	0.004035	0.021975	0.009783
123	-0.027822	-0.053776	-0.091467	0.023446	-0.003472	0.038045	-0.057111	-0.002762	-0.004122	-0.032883	0.000086	-0.01218	0.009299	-0.001557

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
124	-0.030286	0.021941	-0.002963	-0.003143	-0.007553	0.03577	-0.025612	-0.00391	-0.007753	-0.030904	-0.014013	-0.005999	0.007556	0.005649
125	0.032884	-0.085056	-0.048376	0.024919	0.020947	-0.036409	-0.074758	0.012659	0.024872	0.008489	0.011958	-0.025477	0.001475	0.016207
126	-0.048099	-0.012595	-0.003765	-0.042434	0.020547	0.005254	-0.008519	0.003384	0.030204	-0.018565	0.022027	0.021409	-0.012023	0.007901
127	-0.00087	0.050133	-0.01129	0.00729	0.019581	-0.004883	-0.017375	-0.002594	0.02361	0.010484	0.009392	0.007636	-0.002659	0.021275
128	-0.02547	-0.079084	0.000348	0.005395	0.00767	0.006659	-0.028286	0.002991	0.002333	0.003146	0.004072	0.012767	-0.009622	-0.013718
129	0.015195	-0.049149	0.121745	-0.009541	0.00534	0.023935	0.048501	-0.001656	-0.038731	0.005684	-0.016253	-0.034514	0.009152	-0.012899
130	0.019002	0.052403	-0.089043	0.011991	0.02193	0.003539	-0.016176	-0.000761	0.003315	-0.03818	-0.003994	-0.001037	-0.013471	-0.024975
131	0.08448	0.072928	-0.060486	-0.009669	-0.006304	0.044666	-0.013425	-0.03447	0.027504	0.013381	0.015629	-0.013124	-0.016093	0.015817
132	-0.120987	-0.05346	0.074858	-0.048673	-0.027815	0.047184	-0.03663	0.020907	0.006219	0.011973	0.029208	-0.011539	0.011877	0.001373
133	0.101192	0.000967	0.008588	-0.01396	-0.066453	0.040258	0.007882	-0.00438	0.016719	-0.002816	0.001765	-0.011792	-0.007165	-0.004565
134	0.123848	0.047056	-0.01089	-0.080974	0.033322	-0.019236	-0.048257	-0.004604	-0.01818	0.012836	-0.005025	0.015487	-0.014061	0.002069
135	0.000138	0.011968	-0.058735	-0.044345	-0.088253	0.059854	0.003346	0.022589	0.005679	0.014367	0.003257	-0.005288	0.011087	-0.008952
136	0.000874	0.117185	-0.075802	0.008102	-0.001672	-0.00567	-0.002459	-0.003686	0.019296	-0.001948	0.019808	0.017592	-0.003327	0.020632
137	0.037553	-0.016235	-0.053	0.065169	-0.021034	0.057438	-0.028741	-0.00133	0.014182	-0.031371	0.004003	0.001792	0.003976	-0.008121
138	0.07993	0.044853	0.080561	0.009026	0.014235	-0.019706	-0.037409	0.025191	0.028465	0.032923	0.005621	-0.001321	0.007415	0.014003
139	-0.11761	-0.016513	0.000266	-0.086807	0.041954	-0.017365	0.129425	0.00192	-0.029264	-0.006161	0.004408	0.030877	0.005865	0.016287
140	0.012711	-0.144267	0.019733	-0.010484	-0.000753	-0.010808	0.026843	0.013472	-0.005648	0.003367	0.035973	0.032452	-0.00729	0.007513
141	-0.13155	-0.081762	-0.032744	0.016036	-0.01715	0.044097	-0.016028	0.020241	-0.002246	0.032152	0.006345	0.038245	0.033271	0.009953
142	-0.032367	0.037294	0.101185	0.011775	0.024406	-0.037362	0.031991	0.024255	-0.017235	0.00199	-0.012908	0.002634	0.00102	0.006659
143	0.076423	-0.008839	-0.017342	0.010901	0.035124	-0.033682	0.004279	0.008352	-0.024154	0.008626	-0.015857	-0.013818	0.010949	0.009705
144	0.001249	-0.016666	-0.008974	0.026042	-0.02997	0.031539	-0.026932	-0.024409	-0.05287	0.000736	-0.036407	-0.013513	0.02448	-0.016724
145	0.106458	0.015092	0.085525	-0.068602	0.042685	-0.04222	-0.045577	-0.01665	-0.021891	0.00163	0.000574	-0.029189	0.005502	-0.005363
146	-0.050297	-0.066653	0.034801	-0.088418	-0.033963	0.007629	-0.023847	0.034206	0.003094	0.01258	0.007297	-0.005632	0.000766	-0.014712
147	-0.073448	-0.147684	-0.019546	-0.01597	0.000462	-0.028511	-0.060526	0.054968	0.029908	0.054764	0.014013	0.007797	-0.030349	-0.018074
148	-0.029773	0.119007	-0.062464	0.016792	0.031563	-0.052192	0.051666	0.009942	-0.008694	0.003612	-0.002995	0.029676	0.018651	-0.061731
149	0.086345	0.007674	0.022199	-0.018022	-0.00693	0.00602	-0.009367	-0.001077	0.019395	-0.005699	0.018066	0.006084	0.000821	-0.001988
150	0.09893	0.009332	0.019665	-0.041137	0.008974	-0.009293	0.028978	0.051475	0.002637	0.015055	-0.000898	-0.016875	-0.005414	0.017878
151	-0.060396	0.012144	-0.007674	-0.079553	0.027458	-0.006793	0.05498	-0.002016	-0.01804	0.029707	-0.000109	0.013176	-0.000127	-0.021105
152	0.034244	0.07284	-0.021942	-0.011779	-0.018998	0.005657	0.009632	0.020021	0.01442	0.039174	0.002718	0.007981	-0.010796	0.016492
153	-0.120514	-0.099782	0.012706	-0.021162	0.015799	-0.033088	-0.026774	0.01463	-0.024173	-0.006436	-0.012768	0.004131	-0.02109	0.002491
154	-0.015156	0.033894	-0.022819	0.030653	-0.005897	-0.000421	0.000089	-0.009099	-0.011802	0.002908	-0.012899	0.002867	-0.032278	-0.002295
155	0.014489	-0.030548	0.106087	-0.072324	-0.019024	-0.019685	-0.022667	-0.00228	-0.006876	-0.016063	0.003909	-0.041126	-0.03602	-0.003238
156	0.05673	-0.077967	-0.114327	0.057596	0.000842	0.001741	-0.046962	0.010539	0.009562	0.024756	-0.02864	-0.009113	-0.012414	0.018711
157	-0.054547	-0.005638	0.059471	0.01696	-0.006859	0.010465	0.009552	0.01823	-0.003062	0.001714	-0.002525	-0.008819	0.014667	0.006354
158	-0.049831	-0.101461	0.056924	0.059987	-0.007106	0.011194	-0.040176	-0.013354	-0.008361	0.016493	0.013803	-0.002499	-0.016717	0.002749
159	0.066725	0.089628	0.014005	-0.016708	0.001197	0.034797	0.059885	-0.001782	-0.000173	0.004042	-0.001839	-0.002118	-0.022632	0.008698
160	0.086828	-0.066347	-0.176672	0.081143	0.028402	-0.028947	-0.035661	0.019543	0.044313	-0.010766	-0.00791	0.020442	-0.01094	0.025624
161	-0.1056	-0.043744	0.077766	-0.056608	-0.020602	0.027243	-0.014582	0.018139	-0.037497	0.024203	-0.006493	0.019279	-0.001265	-0.025615
162	0.084969	-0.072752	0.012653	-0.066424	0.038329	-0.008206	-0.038235	0.031458	0.025391	-0.004271	-0.006021	0.007538	0.023949	0.031318
163	0.002566	0.092992	0.004203	0.025569	0.03088	-0.015059	0.003203	0.02231	0.002177	0.018748	-0.019533	0.000551	0.010817	0.020191
164	-0.060228	-0.059827	0.020782	-0.017527	0.064213	-0.007718	0.005183	-0.031079	0.006432	-0.02125	0.002164	0.03338	0.003756	0.044758

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
165	0.043603	0.082675	0.093796	-0.056459	-0.025298	-0.021963	0.063321	-0.036458	-0.004802	-0.019769	-0.014832	0.020342	-0.062469	-0.074572
166	-0.058952	0.01516	-0.026505	0.05182	0.006663	0.040007	0.02323	-0.025341	0.019159	-0.0469	0.022982	0.008187	0.018752	-0.0033
167	0.019779	-0.100256	0.001689	0.017917	-0.011799	0.01982	-0.032151	-0.01526	-0.007254	-0.021399	0.025564	-0.010375	0.009194	0.009437
168	-0.017823	0.033136	-0.031522	0.023401	-0.003974	0.003043	-0.00785	0.000372	-0.004662	-0.023568	-0.034022	-0.003525	0.02728	0.010686
169	0.008077	-0.008911	0.026644	0.031055	0.006143	-0.018732	-0.017708	0.021419	0.00408	0.017281	-0.004207	-0.046083	0.014647	-0.007965
170	0.021939	-0.018456	0.011463	0.026908	0.03839	-0.036903	-0.003509	0.009443	-0.003551	0.022346	-0.019577	-0.032329	0.009232	-0.019389
171	-0.054947	-0.024069	-0.01214	-0.031016	-0.042062	0.024394	0.0272	0.023758	0.008854	0.007372	0.009185	-0.016267	0.018511	-0.001159
172	-0.00058	-0.047688	0.074348	0.060027	-0.055535	0.023839	0.00452	0.023908	0.014628	0.020738	0.010398	-0.02168	-0.008175	0.00936
173	0.038437	-0.048962	0.020677	0.042546	-0.00507	-0.004693	-0.003959	-0.002702	0.0213	-0.021539	0.004833	-0.010537	-0.028927	-0.011237
174	0.014385	-0.031208	-0.007189	0.013038	0.008109	-0.016832	-0.036718	-0.013709	0.005466	-0.010775	0.010166	-0.008931	-0.001882	-0.005453
175	-0.012914	0.046468	0.019488	-0.030854	0.050237	-0.033052	0.005235	-0.017371	0.003327	0.017384	0.032687	0.016661	-0.003213	-0.002724
176	-0.049431	0.093555	-0.041361	0.091288	-0.010579	0.003066	0.036845	-0.006919	0.009365	0.021067	-0.003231	0.013114	0.005925	0.001443
177	0.015315	-0.095105	-0.103107	-0.001676	-0.031046	0.010659	-0.015593	-0.005885	0.011131	-0.015028	-0.001119	0.00437	-0.010291	0.015748
178	-0.078081	-0.010877	-0.011684	-0.000036	0.031059	-0.01015	0.006834	0.007477	-0.010771	-0.000463	-0.015371	0.000782	0.006599	-0.042892
179	-0.015546	0.007778	0.015681	0.010112	0.031517	-0.034753	-0.000292	0.017564	0.004356	0.008342	-0.000751	-0.01718	0.01458	-0.002449
180	0.018495	-0.007313	-0.008548	0.025644	-0.00993	-0.000791	0.011113	0.016215	0.004924	0.00493	-0.002209	-0.01354	0.004697	-0.020983
181	0.005435	-0.009662	0.011228	0.042041	0.019635	-0.022262	0.003381	0.006034	0.000488	0.0008	-0.003506	-0.01653	0.006281	-0.006824
182	-0.001528	-0.008796	0.027932	0.024805	-0.00735	0.009235	0.028312	0.005898	-0.004499	0.014662	-0.007179	0.002962	0.002092	-0.002016
183	-0.086342	-0.023794	-0.014783	-0.035883	-0.022656	0.024471	-0.011136	0.013867	0.009686	-0.000079	0.007088	-0.002509	0.013495	0.022079
184	-0.06815	0.019286	-0.065517	-0.062771	-0.045769	0.027488	-0.043109	0.039921	0.020537	-0.007398	-0.00827	-0.03241	0.037122	-0.004708
185	0.057664	-0.007244	0.064337	0.13898	0.007511	-0.00047	-0.024856	-0.011519	-0.028333	-0.008132	-0.027861	-0.025275	-0.021402	-0.02867
186	-0.059628	0.016556	-0.072082	-0.072638	-0.042412	0.039548	0.001753	0.019936	0.011413	-0.051739	0.009627	0.017104	-0.004523	-0.030471
187	0.008307	-0.018855	0.037471	0.008932	0.016704	-0.000609	-0.023317	0.018028	0.016835	0.00295	-0.010496	0.000674	-0.014141	-0.010957
188	-0.000561	-0.038031	0.028249	0.018856	0.010011	0.009423	-0.021599	0.009563	0.002032	0.018788	-0.018452	-0.000371	-0.00329	-0.003554
189	-0.037521	0.06621	0.019303	0.019445	0.02873	-0.025623	0.024798	0.023535	-0.006897	0.033638	-0.011558	0.000134	0.033069	0.041612
190	0.017339	-0.024749	-0.057416	-0.027338	0.015449	0.016371	-0.043281	-0.016732	0.019136	-0.01318	0.023133	0.000724	0.002971	-0.000083
191	-0.019361	-0.0137	-0.009491	-0.016523	-0.015681	0.001125	-0.018978	0.007451	0.020823	-0.008286	0.023661	-0.002739	0.006182	0.008425
192	-0.004607	-0.025903	0.077462	-0.084218	0.005233	-0.003857	-0.032214	0.016899	0.006507	0.038191	0.001318	0.007394	0.01142	0.024207
193	-0.089352	-0.028742	-0.06564	0.032867	-0.001747	0.021288	-0.067546	-0.001952	0.021149	0.018901	0.002843	0.014539	-0.001949	-0.005538
194	-0.052892	-0.015697	0.016397	0.053887	-0.001144	-0.001746	-0.00334	0.01369	0.008109	0.028881	0.002416	-0.004506	-0.007221	0.006407
195	0.088433	0.044057	0.058025	0.064351	0.010681	0.001705	-0.010012	0.008248	0.003157	-0.010254	0.005857	-0.00393	-0.006994	0.015022
196	0.06016	0.03925	0.047908	-0.023155	0.006207	0.006996	0.011032	0.001878	-0.012251	-0.00267	0.004465	-0.011158	0.010225	-0.006597
197	0.074732	-0.070887	-0.002711	-0.076588	-0.024529	0.04011	-0.035977	-0.019656	-0.000042	0.005387	0.015061	-0.009217	-0.008963	-0.015214
198	0.006456	-0.031039	0.026551	0.063894	0.046926	-0.024954	-0.010736	0.012898	0.010873	-0.009911	-0.008587	0.020789	-0.014147	0.001348
199	-0.072043	0.168819	0.090209	0.133803	0.018334	-0.001879	0.021692	0.017864	0.017456	0.023867	0.011255	-0.008203	0.04364	0.001415
200	-0.145907	-0.087334	-0.004429	-0.041927	-0.008212	0.017416	0.006789	0.005741	-0.011964	-0.008192	0.005003	0.0179	0.006505	0.030847
201	-0.010814	0.063907	-0.021999	0.011404	0.006884	-0.012906	-0.011978	0.022623	0.003789	0.015277	-0.008617	0.044446	0.00314	-0.004013
202	0.031236	-0.019912	-0.060127	-0.021826	-0.001549	0.005047	0.011003	0.004649	0.011134	0.007434	-0.001691	0.032417	-0.010193	-0.020398
203	0.008795	-0.027789	0.023481	-0.033326	0.042359	-0.039722	0.008805	-0.023559	0.000836	-0.00486	0.0008	-0.044343	-0.019198	0.017398
204	0.021079	0.075214	0.031322	0.041709	0.002087	0.02842	0.056475	0.004128	0.015283	-0.000056	0.003144	-0.003515	-0.021202	-0.006414
205	-0.022875	0.087135	-0.048827	0.08384	-0.020789	-0.006487	0.054689	-0.022833	-0.009227	0.02634	0.016002	0.019477	0.019474	0.052299

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
206	0.045916	-0.018336	-0.030908	-0.042939	-0.026307	-0.014306	-0.045967	-0.011119	-0.043547	0.009777	-0.00522	-0.034738	0.009021	-0.003625
207	0.035418	0.014292	0.008256	0.028977	-0.029359	0.056899	0.030925	-0.003365	0.03522	-0.021649	-0.007234	-0.008483	0.01541	0.020659
208	0.061119	-0.026538	-0.062467	0.005337	0.006854	0.003565	-0.004978	-0.023708	-0.006815	0.010623	-0.015527	-0.04948	-0.00854	0.00547
209	0.00711	0.042196	0.086609	-0.085558	-0.037001	0.039207	0.007826	0.01206	0.000122	0.056593	-0.005456	-0.028045	-0.002294	-0.020104
210	0.00176	-0.032443	-0.044838	-0.013899	-0.005805	-0.009833	0.001912	0.02062	0.028613	0.005448	0.036118	-0.021072	-0.021777	0.019447
211	0.070781	-0.07565	-0.002469	0.036156	0.021059	-0.005591	0.009118	0.031936	0.018845	0.011116	-0.004974	-0.014855	-0.008498	0.00314
212	-0.020496	-0.080401	0.016926	0.12907	0.001424	0.006075	0.022799	-0.009611	-0.012788	-0.019935	-0.036027	-0.017434	-0.025472	-0.002221
213	-0.037838	-0.058868	-0.024179	0.020636	-0.026481	-0.012154	-0.054635	0.025219	0.021227	-0.007377	0.008055	0.018458	-0.005613	-0.000551
214	-0.02769	0.023052	-0.018909	0.000853	-0.050764	0.034278	0.025424	0.039478	0.007784	0.001585	-0.006869	-0.011163	0.02765	0.005477
215	-0.072544	0.095074	-0.089939	0.026012	-0.051853	0.047186	0.00677	0.001629	0.003482	-0.006361	0.004987	-0.049006	0.024017	-0.030068
216	0.042565	0.04015	-0.023217	-0.020626	-0.053223	0.046314	0.040315	0.005375	0.008715	-0.038025	-0.00402	-0.004107	0.023405	0.003242
217	-0.036089	0.051682	-0.022564	-0.043239	0.0628	-0.051579	-0.026602	0.028597	0.021592	-0.007249	0.001054	-0.016225	0.017316	0.034491
218	0.026559	0.044928	-0.068437	0.01409	-0.036709	0.029306	0.019339	-0.016596	-0.005658	-0.003596	0.007145	-0.025129	0.02266	0.016256
219	-0.004403	0.005178	-0.008886	-0.059502	-0.034344	0.013383	0.019387	0.030888	0.005918	-0.052356	-0.007183	-0.02346	0.0267	0.018953
220	-0.024866	0.056538	-0.014921	0.013558	0.015665	0.009158	-0.006339	-0.036842	-0.007623	-0.092137	-0.005327	-0.048689	-0.022066	0.021631
221	0.096476	-0.028485	-0.029007	-0.031184	-0.051873	0.01689	0.032573	0.019469	0.04245	-0.031728	0.021144	-0.008395	-0.054404	0.006252
222	0.023627	0.016406	-0.010589	-0.014186	-0.006185	-0.015261	0.008409	0.00665	0.017176	0.003217	0.004754	-0.013005	-0.002826	0.042499
223	-0.02556	0.003499	-0.009634	0.075448	-0.012184	0.010508	0.016878	-0.01888	0.017169	-0.028911	0.017414	-0.002967	-0.021315	0.031514
224	0.050497	0.02995	0.01101	0.040251	-0.027484	0.025884	0.005298	-0.015576	0.012519	-0.004773	0.017195	0.008837	0.013159	-0.012446
225	0.0941	0.002143	0.049282	0.070217	-0.056814	0.045705	0.02114	-0.014968	0.014728	-0.005497	0.02278	0.005579	-0.000668	-0.004883
226	-0.015239	0.004634	0.003442	-0.009352	0.036181	-0.017322	-0.005845	-0.003008	0.000065	0.005897	0.012017	0.005059	0.00459	0.012963
227	0.009123	-0.041803	0.033483	-0.002195	0.058787	-0.036112	-0.027756	-0.01633	-0.011823	0.009305	0.02784	0.002121	-0.003137	-0.018847
228	0.009486	0.00193	0.01402	-0.074651	0.014866	0.01195	-0.012117	0.007594	0.015845	0.011762	0.011004	-0.004947	0.023889	0.021484
229	0.051595	0.008766	-0.033053	0.032833	0.027626	-0.014674	-0.048739	0.026262	0.037467	-0.003602	-0.005812	-0.017188	0.019324	0.023109
230	0.023751	-0.022215	0.003987	0.096805	-0.04227	0.041346	-0.015686	0.004402	0.005528	-0.023147	-0.012806	0.006673	0.016124	0.001403
231	0.021695	0.017639	0.098607	0.112547	-0.005758	0.01952	0.005675	-0.002464	0.012835	0.02391	0.022318	0.003568	-0.026649	-0.013464
232	-0.017794	0.006031	-0.006789	0.070641	0.037852	-0.039089	-0.018722	-0.017453	-0.006473	0.007776	-0.000327	-0.003846	0.016045	0.013141
233	-0.031239	0.04708	0.047598	0.016111	0.044517	-0.050081	-0.004681	-0.018117	-0.027366	0.002823	-0.003909	0.010594	0.01172	0.003831
234	0.029985	-0.043063	0.075865	-0.081638	0.008551	0.014451	-0.00718	-0.012914	-0.02422	-0.019069	-0.005596	-0.014033	-0.000025	-0.011658
235	-0.049095	0.012986	0.109986	-0.010933	-0.001997	-0.00636	0.008018	0.000325	-0.022933	0.008187	-0.005209	-0.013059	-0.003086	-0.012014
236	-0.023636	-0.023259	-0.0194	0.03477	-0.014508	-0.01121	0.022282	-0.021923	-0.028234	0.012707	-0.006464	-0.001565	0.01739	0.009425
237	0.064634	-0.062219	-0.024277	-0.038756	0.001887	-0.007968	0.013313	-0.013639	-0.0036	0.035434	0.008412	0.025864	0.02714	0.024158
238	0.026382	-0.008794	0.000127	-0.021532	-0.030781	0.020155	0.005917	0.037114	0.015291	-0.00267	-0.00439	0.015821	0.01868	0.010863
239	-0.022947	0.05773	0.029299	0.001583	-0.022522	-0.00194	0.005806	0.037711	0.004387	0.000398	-0.010972	0.01073	0.016	-0.005522
240	-0.026509	0.007504	-0.029291	-0.017334	0.074863	-0.036613	-0.030949	-0.003745	0.008659	-0.007549	0.005544	-0.001833	-0.026495	-0.05401
241	0.006326	0.0772	-0.016877	-0.022928	-0.007842	0.013345	0.017171	-0.016099	-0.016594	-0.00391	-0.00378	0.000898	0.000241	-0.029953
242	-0.021119	0.026285	-0.039518	0.009789	0.045382	-0.033137	0.03585	-0.035736	-0.018502	-0.006074	-0.005773	-0.003497	-0.000749	0.006795
243	-0.014591	0.050532	-0.021109	-0.095463	0.059519	-0.05892	0.01166	0.02207	0.009137	-0.008303	-0.002739	-0.004329	-0.003155	0.002791
244	0.039655	-0.041197	-0.013495	0.029408	-0.073596	0.05084	0.007692	0.0362	0.025831	0.012668	0.002208	0.004799	-0.051509	-0.042044
245	0.014408	-0.058043	0.015958	0.087328	-0.033371	0.004639	-0.020756	0.002221	-0.019559	0.018547	-0.024512	-0.018865	-0.005165	-0.012478
246	-0.03289	0.012118	0.023338	0.017755	0.066081	-0.032955	0.012663	-0.072217	-0.053937	-0.041639	-0.02498	-0.009895	0.00149	0.011614

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
247	-0.021039	-0.014488	0.0254	0.001764	0.026434	-0.017879	-0.001835	-0.029099	-0.02939	-0.059202	-0.014991	-0.016119	0.000701	0.009852
248	-0.008906	-0.056298	0.015506	0.001358	-0.036116	0.010914	-0.023861	-0.005752	-0.022657	-0.050785	-0.008251	-0.02734	-0.00033	0.009291
249	-0.03076	0.031759	-0.034545	0.025121	0.043247	-0.027145	-0.032405	-0.012133	-0.005343	0.023347	-0.010358	-0.00244	-0.010731	-0.00694
250	-0.0692	-0.011302	-0.002132	-0.003393	0.023036	-0.000157	-0.001752	-0.022737	-0.001039	-0.014984	0.015616	0.011169	-0.032464	-0.045284
251	-0.018138	-0.04774	-0.00132	-0.011863	-0.017682	0.025313	-0.000945	-0.004672	-0.001319	-0.022879	0.003013	0.007044	-0.04535	-0.049502
252	0.027416	-0.012257	-0.009583	0.061267	-0.00388	0.008025	-0.025714	0.009644	-0.002846	0.018853	0.000442	-0.004527	-0.029794	-0.019105
253	0.027272	0.020928	-0.006607	-0.001299	-0.043771	0.041491	0.005643	-0.008435	0.009254	0.034082	0.011675	-0.011202	0.001214	0.010501
254	-0.035247	-0.001063	0.032388	0.039348	0.011162	0.000005	-0.004712	-0.002765	0.009454	-0.020802	-0.002629	-0.000574	-0.038604	-0.025871
255	0.008046	-0.05689	0.006904	0.00425	0.004923	0.002248	-0.011989	-0.002723	0.006509	-0.038797	-0.011871	-0.004938	-0.071345	-0.050484
256	0.059155	-0.019225	-0.085258	0.003484	-0.040093	0.027801	-0.051572	-0.009577	0.021114	-0.037097	-0.010377	-0.022791	-0.051794	-0.029455
257	-0.00022	-0.023458	0.049471	0.043602	0.034687	-0.040377	-0.010428	-0.004901	-0.008324	0.016768	0.003881	0.000558	-0.007711	0.015573
258	0.019295	0.019758	0.034745	0.007538	-0.018764	-0.007338	0.002643	-0.004143	-0.009916	0.021988	0.003879	-0.015693	0.010253	0.00148
259	-0.035155	-0.022341	0.017714	-0.033662	0.001865	0.010119	-0.005178	-0.00221	0.007994	0.007466	0.013792	0.005185	-0.014553	0.009656
260	0.010503	0.016792	0.021195	0.06998	-0.00716	0.018074	-0.006296	0.00915	0.015136	0.003539	0.021439	0.005557	-0.017757	0.010146
261	0.060781	0.003835	-0.010002	-0.007902	0.021352	0.003889	-0.030119	-0.00333	0.001066	-0.013948	0.007413	-0.006697	-0.022246	-0.012472
262	-0.015705	0.001199	-0.029329	0.047389	0.023259	-0.01675	-0.014989	-0.01498	-0.019097	0.008844	-0.008472	0.00031	0.006396	-0.000685
263	-0.044534	-0.05192	0.007932	0.002396	0.001381	-0.013894	-0.004561	-0.000925	-0.021976	0.017602	-0.007328	-0.004071	0.006534	0.007815
264	-0.033588	0.059123	0.010395	-0.068756	-0.007851	0.021051	-0.000595	0.005687	0.01016	0.003241	0.004421	-0.003709	-0.004439	0.006304
265	-0.029751	0.117085	0.059696	-0.007801	-0.003702	0.022442	0.007817	0.001855	0.010782	-0.016849	0.010173	0.009808	-0.009411	0.008029
266	0.076917	0.036356	0.062786	0.009624	0.008146	0.006261	-0.001096	0.004558	0.003906	-0.04423	-0.013038	-0.000626	-0.031825	-0.003936
267	-0.037707	0.066639	-0.09535	0.012898	0.002646	0.021367	-0.023067	0.009441	0.03361	0.018133	0.022178	-0.010513	0.018806	-0.005405
268	-0.027455	0.058987	0.040914	-0.035615	0.009181	-0.000309	0.019519	0.002728	0.002978	0.01466	0.017766	0.003149	0.002749	-0.001399
269	0.013545	0.037338	-0.002792	-0.000326	-0.005005	0.012591	0.022456	0.004756	0.010759	0.007453	0.014932	0.003873	-0.004674	0.001092
270	-0.017627	-0.008157	-0.000692	-0.015255	0.024934	-0.009625	-0.009505	-0.004077	-0.008759	0.007128	0.009848	0.000236	-0.004046	-0.018804
271	-0.042619	-0.006192	-0.043158	-0.037899	0.023662	-0.040115	0.020999	0.023647	-0.009021	0.014612	-0.024117	0.023766	0.029193	0.008997
272	-0.001439	-0.008022	-0.027458	0.00602	0.027027	-0.00971	-0.053151	0.024992	0.034127	0.000898	0.002049	-0.011373	0.017851	0.011103
273	-0.047197	0.029026	0.04358	0.020352	-0.032177	0.028743	-0.010319	0.007336	0.005553	0.002885	0.015958	0.002703	0.004375	-0.002198
274	-0.037015	0.031225	0.043427	0.021232	-0.02506	0.034136	-0.004063	0.006804	0.005513	0.000183	0.013874	0.005859	0.003647	-0.001097
275	-0.065739	-0.06243	-0.03622	0.045074	0.001772	0.01239	-0.041436	0.009132	-0.015495	-0.025663	-0.018574	-0.006703	0.017753	-0.020979
276	0.005015	0.004948	-0.023718	0.001435	0.016187	-0.03886	0.008274	-0.013176	-0.015058	0.01709	-0.002545	-0.009997	0.026027	0.008806
277	0.033642	0.006671	0.010045	0.007169	-0.007608	-0.005944	0.010141	-0.000695	-0.005937	0.05942	0.005148	0.016463	0.040192	0.005662
278	0.0112	-0.025106	-0.017618	0.037978	-0.050698	0.03116	-0.008223	0.001671	-0.002208	0.061742	0.005081	0.025324	0.038549	-0.000158
279	-0.032157	0.025172	-0.006766	-0.064016	0.015031	-0.028421	-0.028343	0.052559	0.012595	-0.012572	-0.015907	0.00948	0.027551	-0.01164
280	0.012538	0.095393	0.0306	-0.148489	0.034259	-0.023637	0.016286	-0.005358	0.010783	0.020379	0.017337	0.006052	0.012644	0.006274
281	-0.048901	0.027524	0.018704	-0.000913	0.023346	-0.002828	-0.006771	-0.066028	-0.048165	-0.037358	-0.022891	-0.020435	0.006242	0.00598
282	-0.063259	0.023148	-0.007655	0.015777	0.007943	0.004599	-0.003865	-0.05266	-0.043544	-0.025703	-0.021119	-0.002085	0.001171	-0.006562
283	-0.06673	-0.040631	-0.044228	-0.065388	0.002156	0.004125	-0.029868	-0.003955	-0.025403	-0.082678	-0.019422	-0.01218	0.005145	-0.006063
284	-0.026358	-0.005757	0.003634	-0.01059	0.004022	-0.008616	-0.011647	0.003228	0.006433	0.007937	0.010588	0.000692	-0.001303	0.003356
285	-0.033032	-0.005419	-0.005998	0.015692	0.002122	-0.006704	-0.000866	0.006002	-0.002585	0.016247	0.002292	0.011736	-0.004799	-0.001016
286	0.017607	0.00713	0.018714	-0.023123	0.00797	-0.018123	-0.007942	0.013868	0.010022	0.023851	0.000905	-0.006841	0.002815	-0.004315
287	0.009629	-0.011995	-0.017735	-0.022433	-0.000259	-0.00624	-0.01591	0.027147	0.009331	0.028152	-0.004755	0.001859	0.002595	-0.012797

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
288	0.004304	-0.003458	-0.05919	-0.082246	-0.031661	0.027924	-0.011217	-0.000497	-0.003025	-0.006125	-0.007041	-0.013508	0.023013	-0.004794
289	-0.036127	0.041732	-0.004195	0.018656	0.021235	-0.024673	-0.004155	-0.012639	-0.019314	-0.006698	-0.017144	0.005866	0.004228	-0.009082
290	-0.042773	-0.013098	-0.032731	-0.047829	-0.033486	0.038787	-0.015411	0.004062	-0.00583	-0.004471	-0.026093	-0.009377	-0.00064	-0.02171
291	-0.040467	-0.0222	-0.03438	-0.05029	-0.0139	0.02586	-0.007416	0.004718	-0.005508	-0.005456	-0.025055	-0.009539	0.000608	-0.020537
292	-0.037835	-0.016051	-0.035854	-0.061482	0.025839	-0.008432	-0.019287	0.009083	-0.002233	-0.013132	-0.031736	-0.011711	-0.001646	-0.016651
293	-0.013049	-0.030802	0.010916	-0.136569	-0.014996	-0.041671	0.01835	-0.017103	0.014563	0.006589	0.025238	-0.005991	-0.024422	-0.010714
294	-0.037324	0.033123	-0.025124	-0.049928	-0.031928	0.012645	0.006986	0.004041	0.001768	0.016352	0.012338	-0.004715	0.004918	-0.001842
295	-0.047197	-0.00453	0.031473	-0.029271	-0.001513	-0.013022	-0.005506	-0.014766	0.005232	-0.007544	0.013321	0.005297	-0.012558	-0.006061
296	-0.028896	-0.011104	0.000252	0.059836	0.002409	0.006671	-0.059079	-0.01964	-0.001255	-0.023988	0.000248	-0.02198	-0.012486	-0.004798
297	0.032867	0.044167	0.001289	0.003699	-0.043667	0.018374	0.020555	-0.019443	0.019293	-0.002495	0.016713	-0.005054	-0.019316	-0.004005
298	-0.086157	-0.074917	0.018359	0.032221	-0.021525	0.001473	-0.044728	0.013798	-0.000314	-0.017523	-0.008697	-0.02642	0.012838	0.003947
299	0.041871	0.038138	0.036337	-0.029217	-0.04778	0.011514	0.029679	-0.014565	0.01127	0.002298	0.020886	-0.005325	-0.020061	0.005265
300	-0.022011	0.010952	0.054592	-0.072567	0.067154	-0.032165	-0.031164	0.005121	-0.013542	-0.010027	-0.01357	0.001296	0.029333	-0.059636
301	-0.026174	-0.001949	-0.001135	-0.020251	-0.061168	0.016301	0.016821	-0.008122	0.001567	0.006228	0.009117	0.004021	-0.012637	0.006075
302	-0.062587	0.054529	0.003052	-0.003051	0.003654	0.001539	0.01498	-0.011364	-0.020833	-0.00306	-0.010407	0.000315	0.003438	0.001296
303	0.066901	0.024599	-0.010328	0.00617	0.034116	-0.033064	-0.021975	0.005486	0.026923	0.016721	0.019563	-0.003186	-0.005896	0.020489
304	0.021086	-0.031879	0.00897	-0.067501	-0.016167	0.02541	-0.025073	-0.009309	0.010844	0.006849	0.025189	-0.001592	-0.002049	0.005957
305	-0.008773	-0.035278	0.042841	-0.100637	-0.033872	0.014645	0.029941	-0.02015	-0.009767	-0.008959	-0.00303	0.024626	-0.021978	-0.002033
306	-0.030877	0.008524	-0.00908	-0.04706	-0.009026	0.0202	-0.020143	-0.050297	0.009867	0.005429	0.043459	-0.021775	-0.01565	-0.01124
307	0.042146	-0.040141	0.037431	0.050263	0.000628	0.000352	-0.027827	-0.013631	0.003004	0.0669	0.014081	0.005027	0.004449	-0.002752
308	0.037103	-0.024494	0.042436	-0.047566	0.021652	-0.080069	-0.000786	-0.000306	0.004973	-0.003118	-0.01124	0.014329	-0.030703	0.003701
309	-0.019351	-0.028566	-0.049854	0.025926	-0.044079	0.025014	0.022653	0.005218	-0.007669	0.013792	-0.00656	0.005907	-0.006332	-0.014472
310	-0.144474	-0.00961	-0.01082	0.117576	-0.049093	0.031597	-0.01159	0.015377	-0.007701	0.022254	-0.009448	-0.014179	0.007742	-0.007968
311	0.01765	-0.013063	0.040254	-0.068624	-0.03134	0.015938	0.01081	0.002526	-0.001127	0.009411	0.013117	0.006261	-0.0114	-0.008423
312	-0.016651	-0.005127	-0.084379	0.14429	-0.011854	0.014616	0.004648	-0.016144	0.013245	-0.018649	-0.019508	0.006908	-0.016292	-0.013264
313	0.060357	-0.080358	-0.001344	-0.035848	-0.005361	0.002165	-0.027531	-0.015761	0.005963	-0.019855	0.00863	-0.015891	-0.014446	0.001644
314	-0.039318	-0.103098	-0.027144	0.073351	0.007562	-0.017014	-0.002896	-0.012111	0.012439	0.023857	-0.001923	0.003481	0.008651	-0.031414
315	0.073089	0.02679	0.006681	0.010832	0.012707	-0.016275	0.02065	-0.015371	0.004764	0.003065	0.00114	0.008394	-0.012422	-0.005908
316	0.100097	-0.035842	-0.020525	0.0162	0.023809	-0.050139	-0.007402	0.00747	0.024309	0.003194	0.010505	0.008077	-0.007463	-0.001813
317	-0.054955	-0.060574	-0.009711	0.08107	0.010341	-0.021807	-0.014103	0.000619	-0.00514	0.0042	-0.002957	0.009724	0.000525	0.003483
318	-0.047347	-0.132353	0.082668	0.030701	0.030068	-0.017275	0.004644	-0.010378	0.002929	0.008169	0.017993	0.030143	-0.004732	0.052162
319	0.070913	0.022854	0.015002	0.076125	-0.015597	0.000377	0.034241	0.003217	0.012044	0.011844	0.004987	0.005445	-0.007408	0.006725
320	-0.025454	-0.004432	0.135251	-0.001956	-0.010185	-0.004782	-0.041485	-0.003282	-0.005976	-0.008567	0.010518	-0.016657	0.002407	0.012532
321	0.003021	0.068678	-0.006439	-0.051938	-0.003624	0.006468	-0.005039	-0.025845	-0.000157	0.019159	0.022699	-0.012213	0.001346	-0.006223
322	-0.243054	0.020135	0.060037	0.049799	-0.018925	-0.023747	-0.058996	0.012095	-0.017229	0.030084	-0.005019	0.038361	0.018585	-0.014285
323	-0.085883	-0.009092	0.103659	0.033268	0.006499	0.000292	0.023036	-0.020914	-0.012447	0.005599	0.009216	-0.003854	-0.002987	-0.008346
324	-0.030051	0.058912	-0.040645	-0.090227	-0.011374	-0.000251	0.049531	0.004185	-0.016024	-0.019813	-0.00316	0.002782	-0.000017	-0.002899
325	0.044718	0.083094	-0.099451	0.023911	-0.024401	0.019914	0.004467	0.012317	0.013648	-0.005441	0.00024	-0.016844	0.00564	0.007573
326	0.006274	-0.042554	-0.110237	-0.006216	0.008538	-0.019363	-0.014286	0.029448	0.006623	-0.009899	-0.018889	-0.015747	0.006528	0.004855
327	-0.043393	0.015499	0.043682	-0.014567	0.025325	-0.01882	0.002801	-0.003309	-0.015414	-0.01555	-0.00341	-0.001533	0.006412	0.011826
328	0.018594	-0.030378	-0.006933	-0.05224	-0.060209	0.028872	-0.026941	-0.025365	-0.023394	0.021136	-0.024996	-0.017614	-0.007783	-0.050692

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
329	-0.002882	0.028009	0.084903	0.047828	0.031213	-0.032991	0.031134	0.002356	-0.023838	-0.009362	-0.024221	-0.00771	-0.009708	0.009212
330	-0.110447	0.061321	-0.08409	0.080018	0.045337	-0.036709	-0.045714	0.022816	-0.01201	0.018354	-0.006917	0.003425	0.035393	-0.0112
331	0.014213	0.038836	-0.009942	-0.086299	0.008301	-0.025008	0.012869	0.010591	0.009444	0.000336	0.001839	-0.006862	0.005273	-0.008877
332	0.097166	0.037476	-0.03102	-0.083765	-0.051524	0.028996	0.010722	0.009178	-0.003121	0.008556	0.00555	0.014934	0.005107	-0.027677
333	0.036923	0.035689	-0.049665	-0.001379	-0.012891	0.003902	0.004675	0.004962	0.006162	0.002625	-0.002914	-0.005278	0.003244	-0.004507
334	0.018324	0.080687	-0.168868	0.124254	0.000464	-0.005427	0.022751	-0.003116	-0.01012	-0.024209	-0.042984	-0.016629	-0.016587	-0.0052
335	0.018895	0.036982	0.002728	-0.006783	-0.065019	0.051448	0.0337	0.017023	0.003404	0.007499	0.002329	-0.011217	0.003046	0.002294
336	-0.07037	-0.090707	-0.150681	-0.043001	-0.048527	0.0543	-0.035796	-0.016083	0.021037	-0.023085	0.032767	0.030996	0.019693	-0.006215
337	0.012281	-0.01621	0.019435	0.026682	0.021902	-0.025749	-0.025178	-0.004974	0.00833	-0.003648	-0.01489	-0.011642	-0.022493	-0.000407
338	0.000206	-0.023061	0.019001	0.08241	0.027556	-0.035165	-0.019288	-0.001777	-0.020731	-0.01982	-0.012154	-0.004248	-0.001844	0.008193
339	-0.020307	-0.019421	-0.03771	-0.05173	0.004841	-0.014778	-0.020623	-0.005525	0.003323	0.017058	-0.012598	-0.009977	0.009096	-0.021392
340	0.14654	-0.075606	0.146172	0.024242	0.057099	-0.034928	0.053253	0.00367	0.024747	-0.039543	0.019827	-0.001083	-0.024685	0.060453

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
1	-0.000522	-0.012269	0.001736	-0.017976	-0.079141	-0.075484	-0.042734	0.090379	0.033455	0.084822	0.038747	0.02253	0.001446	-0.156524
2	0.063464	-0.063413	0.018892	0.018081	-0.027699	0.037345	-0.043809	-0.012525	0.023955	0.009337	0.029219	0.011625	0.030384	0.084847
3	-0.019109	0.021646	-0.019841	0.00479	-0.179469	-0.161725	-0.185124	-0.010748	0.006108	-0.012111	-0.002176	0.011988	0.021656	-0.002142
4	0.003982	-0.123909	-0.034148	-0.04774	-0.033524	-0.103995	-0.078211	-0.052493	-0.031053	-0.05478	-0.020137	-0.005948	-0.06583	0.075439
5	-0.068853	0.065538	-0.001561	0.020031	-0.059173	-0.042753	0.031929	-0.06712	-0.026151	-0.038864	-0.019459	-0.040569	-0.034559	0.040051
6	-0.053345	0.02987	0.017776	0.031716	0.048529	0.005508	-0.043114	0.086272	0.047566	0.040497	0.042456	0.054921	0.05419	0.010235
7	0.021606	0.009431	-0.066338	-0.050243	-0.042581	-0.031521	-0.056152	-0.032166	-0.018789	-0.054351	-0.019286	-0.025996	-0.058747	-0.035918
8	-0.005598	-0.009743	-0.015155	0.034778	-0.078571	-0.067813	-0.086889	0.048958	0.027292	0.069337	0.025249	0.033089	-0.016832	0.030096
9	-0.044829	-0.091375	0.086816	0.053107	0.071572	0.059864	0.029954	-0.003492	0.071112	0.048449	0.080526	0.068645	0.028163	0.009752
10	-0.032176	-0.031508	-0.023663	0.050596	-0.007208	0.133655	0.028947	-0.035078	-0.011103	-0.031791	-0.009493	0.004229	-0.008211	-0.006031
11	0.050198	-0.011811	0.06941	-0.006795	-0.07306	-0.027636	-0.103652	-0.115135	-0.009052	-0.009094	-0.018908	0.000026	0.035495	-0.060974
12	0.006432	-0.028703	0.003684	0.064866	-0.09508	-0.125332	-0.050368	0.037381	0.028747	-0.001273	0.034254	0.042979	0.047475	0.092448
13	-0.025919	0.026995	-0.080485	-0.067735	-0.063314	0.062532	0.190709	0.034945	-0.117409	-0.123572	-0.099636	-0.074771	-0.102977	-0.164738
14	-0.055291	0.019341	-0.101996	-0.064017	0.006964	0.01426	-0.087397	0.109121	-0.084014	-0.042562	-0.056381	-0.062253	-0.103934	0.053114
15	0.07257	-0.024199	-0.030983	0.024032	-0.009561	-0.077133	-0.105206	-0.084935	0.003145	0.030491	0.001306	0.006231	-0.029515	-0.06049
16	0.051162	0.055849	-0.053966	0.002934	-0.021339	-0.012488	-0.080024	0.02634	-0.029237	-0.052661	-0.017867	-0.033538	-0.070884	-0.051385
17	0.040733	-0.051323	-0.08748	0.020948	0.058537	0.023949	0.067452	0.040934	0.019262	-0.000101	0.017424	0.037464	-0.00821	0.013977
18	0.012825	-0.112922	0.02806	0.046619	-0.046	0.000628	0.01911	0.002038	-0.013113	-0.02847	-0.00766	-0.022992	0.028746	-0.045122
19	-0.073732	-0.02532	0.068942	0.000971	0.060096	-0.007517	-0.001965	-0.107446	0.029869	0.03845	0.032103	0.029843	0.052247	0.001169
20	-0.056355	0.021164	-0.058417	-0.057451	-0.026781	0.007094	-0.010689	0.102715	-0.032961	-0.051658	-0.044898	-0.048971	-0.046743	0.019486
21	0.002614	0.031614	0.053923	-0.101107	0.001108	0.01654	-0.036441	-0.058745	-0.040228	-0.057091	-0.039705	-0.056479	-0.045157	-0.000913
22	-0.135259	-0.155232	-0.031218	0.05585	-0.079877	-0.02945	-0.049098	0.017695	-0.012855	-0.017471	-0.012775	-0.020632	0.023398	0.120118
23	0.012479	-0.028402	-0.021324	-0.041023	0.024978	0.013535	-0.010844	-0.040742	-0.011002	-0.022029	0.000878	0.0101	0.004884	-0.051225
24	-0.043966	-0.006797	-0.037661	-0.017584	0.040423	-0.013942	0.023087	-0.003084	-0.013322	-0.022113	-0.012524	0.001211	0.00549	0.02342
25	-0.012795	0.01441	0.030114	0.035338	-0.005419	-0.082612	0.1019	-0.023933	0.018203	0.020096	0.022293	0.018249	0.011624	-0.013744
26	-0.03249	-0.043017	0.052599	-0.007662	0.025403	0.028603	0.013398	-0.010461	0.01149	-0.003944	0.017948	0.038346	-0.035926	0.038598
27	0.138527	0.008182	0.047526	0.064193	-0.055938	-0.013456	0.096713	-0.075413	0.028497	0.034	0.0212	0.008981	0.002165	0.050653
28	-0.022381	-0.01215	-0.018422	0.015689	0.061859	0.047527	0.205425	0.03715	0.005161	-0.029291	0.004152	0.009632	0.034553	0.156684
29	-0.0124	0.024981	0.041692	-0.016549	-0.003888	-0.008876	-0.008299	-0.003464	0.006941	0.00818	0.001356	0.009296	0.01838	-0.044861
30	-0.173397	0.00448	0.020092	0.076279	-0.010169	0.016035	0.01648	0.070017	0.043169	0.017953	0.051023	0.062766	0.036546	-0.013134
31	-0.051738	0.075494	0.032342	-0.021144	-0.009834	-0.034511	0.006094	-0.106958	0.000406	-0.01494	-0.000419	-0.016258	0.002035	0.050551
32	0.047587	0.163053	-0.008149	0.07551	-0.048314	0.011021	-0.080387	0.05842	0.020034	-0.011797	0.016997	0.027306	0.004862	-0.019383
33	0.008293	0.032981	0.004374	0.004199	0.037482	0.045572	0.006436	-0.050275	0.004498	0.002761	0.018646	0.006445	-0.03322	0.02864
34	-0.021514	0.002635	0.007484	-0.04405	0.043015	0.077599	0.027692	0.055423	0.002678	0.056151	0.009107	-0.018309	-0.030462	-0.088295
35	0.009941	0.026854	-0.033966	-0.065047	-0.036229	-0.009607	0.00563	-0.05331	-0.033751	-0.02597	-0.036448	-0.046868	-0.041576	-0.044059
36	-0.006884	0.044869	0.029255	0.038972	0.058053	0.028182	-0.035897	0.055684	0.037663	0.041708	0.045795	0.028927	-0.016363	-0.010764
37	0.010225	0.036243	0.055258	0.006438	-0.016303	0.079788	0.026777	-0.029288	-0.005017	-0.024347	-0.000388	-0.021698	-0.05213	0.069666
38	-0.074442	-0.000308	0.031326	-0.010141	0.049369	0.058066	-0.042751	0.084619	0.006865	0.041172	0.007992	-0.001899	0.040496	0.055575
39	0.032582	-0.030724	0.071826	0.07343	0.009833	0.013189	0.010188	-0.010155	0.024867	0.076933	0.026922	0.036921	-0.000381	0.044898
40	-0.021861	0.006329	0.017578	0.006753	0.022143	0.031794	0.00178	0.011618	0.007485	0.017683	0.006788	0.014724	-0.009495	-0.004941
41	-0.019252	-0.053769	-0.008027	0.025583	-0.004554	-0.017142	-0.032285	-0.002951	-0.002682	0.056251	-0.002388	-0.018937	0.028449	0.000288

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
42	0.054987	-0.119616	-0.018633	0.058878	0.069685	0.067336	0.046713	0.070604	0.040483	0.063655	0.033518	0.050103	0.051682	0.029208
43	-0.031988	0.107948	0.0905	0.162393	0.030704	-0.016164	0.065145	-0.035249	0.119232	0.033557	0.113089	0.132081	0.114053	0.007156
44	-0.114788	-0.096614	-0.120125	-0.139806	-0.08138	0.02144	0.027611	0.009066	-0.154806	-0.036542	-0.175545	-0.171788	-0.136762	-0.000716
45	0.02006	0.050334	-0.179953	-0.154387	-0.039331	-0.000468	0.043697	0.044033	-0.08032	-0.203046	-0.121443	-0.084398	-0.079655	0.033962
46	0.033074	0.051152	0.106739	-0.013136	-0.010573	0.020843	-0.079439	0.042706	-0.091368	-0.049176	-0.043373	-0.058351	-0.121004	0.019184
47	-0.045166	-0.0674	-0.024575	0.053363	-0.028216	-0.042558	-0.001023	0.006576	-0.029141	0.042199	0.017677	0.034462	-0.081628	0.031178
48	0.017701	-0.05895	-0.044326	-0.045891	-0.079401	-0.005128	-0.082687	0.028013	-0.113877	-0.055587	-0.124183	-0.17226	-0.02217	0.032622
49	0.107968	0.115962	-0.02216	-0.00911	-0.017716	-0.082724	0.088841	-0.088485	-0.009764	-0.054454	-0.011512	0.00398	-0.018754	0.10465
50	0.064726	-0.06834	-0.030961	0.068872	-0.059294	0.025858	0.026105	-0.083157	0.004	0.016306	-0.017056	0.022752	-0.06324	0.01524
51	0.079407	0.004221	-0.055484	-0.010583	-0.104162	-0.024469	0.147113	-0.000982	-0.036344	-0.031964	-0.050423	-0.043313	-0.00817	-0.112401
52	-0.003695	-0.031143	-0.054192	-0.005325	-0.011172	0.041538	-0.052979	0.084232	-0.017486	0.008102	-0.002519	-0.019279	-0.081369	0.005617
53	-0.007984	0.031756	-0.074493	-0.014915	-0.003457	-0.015811	-0.032414	-0.013849	0.008622	-0.064928	-0.002999	-0.002465	-0.043149	0.139671
54	-0.066683	0.041477	0.02989	-0.009658	0.054931	0.087159	0.068658	-0.100632	-0.011521	-0.078017	0.005272	0.004695	-0.054825	-0.16413
55	-0.041792	-0.009777	0.009449	0.058756	0.061563	-0.01659	0.011226	0.023423	0.014229	-0.021825	0.029677	0.024985	0.027301	-0.086758
56	0.000461	0.006186	-0.031937	-0.048111	-0.012614	0.019709	-0.045283	0.015406	-0.020889	0.030534	-0.036163	-0.009283	0.000666	-0.009591
57	-0.053524	-0.123667	0.018826	-0.00957	-0.001859	0.022434	0.021903	0.072832	0.008987	-0.007704	0.00489	0.025498	-0.019423	-0.052287
58	0.00046	-0.137914	-0.043958	0.027041	0.039522	0.06898	0.023517	-0.045947	0.017098	0.036603	0.016235	0.016838	-0.003577	-0.004362
59	0.004342	-0.047388	-0.06016	-0.033723	-0.027993	-0.042989	0.047927	-0.055468	-0.006428	0.056725	-0.014996	-0.071828	-0.007117	-0.01558
60	0.007569	-0.003763	0.015386	-0.01269	-0.00466	-0.016128	0.005718	0.002923	-0.009452	0.007433	-0.004731	-0.009654	0.004179	0.008638
61	-0.038019	-0.003619	-0.014461	-0.016895	0.004901	0.009396	0.017563	0.013487	-0.013551	-0.004948	-0.01197	-0.008486	-0.0073	-0.032825
62	0.018884	-0.018827	-0.000665	-0.003003	0.006051	-0.008422	-0.001496	0.011458	0.007491	0.007837	0.010193	0.009551	0.016224	0.035643
63	-0.039113	-0.020165	0.002091	-0.014056	-0.004166	-0.00137	0.013898	0.003532	-0.011902	-0.000997	-0.013583	-0.009989	-0.001659	-0.013064
64	-0.005745	0.003631	0.00453	0.006774	-0.020585	-0.028421	0.02128	-0.006643	0.004146	0.019797	0.008911	0.006668	-0.022888	-0.042528
65	0.006335	-0.025335	0.010591	-0.004533	0.002228	0.001762	-0.012568	0.001993	-0.008121	-0.000711	-0.003651	0.000229	-0.004089	0.000057
66	-0.062101	-0.00879	0.008181	-0.004807	0.013215	0.031618	-0.017035	0.024489	0.000824	0.009642	0.007022	0.01572	-0.022159	-0.041409
67	0.829351	-0.042757	0.012442	-0.000704	0.03292	0.028586	-0.012169	0.04122	0.005006	0.006354	0.012545	0.010296	0.009968	-0.00285
68	-0.02741	0.772923	-0.024511	0.013177	0.011901	0.030382	0.009347	0.006107	0.000204	0.048341	0.000852	-0.004236	0.012006	0.021157
69	-0.010274	-0.035724	0.835537	-0.083298	-0.053737	-0.013662	0.014759	0.039533	-0.07332	-0.072624	-0.088753	-0.078681	-0.069567	0.00772
70	-0.001999	0.001053	-0.080012	0.841012	-0.027393	0.004351	-0.019296	0.006088	-0.097041	-0.084297	-0.107092	-0.113636	-0.084059	-0.016594
71	0.02002	-0.017619	-0.055671	-0.024469	0.834609	-0.103575	-0.075421	-0.008638	-0.051131	-0.032743	-0.060262	-0.05872	-0.035706	-0.027069
72	0.025267	0.015353	-0.022294	0.005663	-0.108347	0.829123	-0.092405	-0.017836	-0.000088	0.008087	-0.004628	-0.002616	0.015636	0.000631
73	0.0017	-0.010168	0.000555	-0.008889	-0.056972	-0.069466	0.735969	0.021052	-0.007482	0.026829	-0.004563	-0.015146	-0.012881	0.01917
74	0.056974	0.022251	0.046016	0.005897	-0.01467	-0.029912	0.006991	0.823437	0.007385	-0.014587	0.004818	0.003238	0.0088	0.003099
75	-0.007159	-0.016086	-0.067673	-0.09476	-0.055781	0.000057	-0.013985	0.002032	0.895386	-0.075135	-0.105139	-0.1116	-0.088511	-0.002286
76	-0.004988	0.038266	-0.062827	-0.088743	-0.039423	0.000626	0.007054	-0.019776	-0.082674	0.859512	-0.08663	-0.079459	-0.076463	0.010332
77	-0.003377	-0.015248	-0.085668	-0.104755	-0.064635	-0.002398	-0.00573	0.000327	-0.104398	-0.081729	0.885001	-0.117044	-0.082353	-0.000836
78	-0.001973	-0.018857	-0.077662	-0.110831	-0.066326	-0.001847	-0.018238	0.000581	-0.110034	-0.073535	-0.117602	0.863587	-0.082053	0.000885
79	0.0052	-0.010564	-0.067321	-0.084973	-0.043618	0.010019	-0.015597	-0.007813	-0.088055	-0.068348	-0.081965	-0.086461	0.872489	0.005545
80	0.00104	0.02728	-0.000384	-0.025604	-0.007004	0.017892	0.001169	0.020766	-0.012419	0.004114	-0.007443	-0.005723	-0.017637	0.748459
81	0.007466	0.023652	-0.036063	-0.040484	0.010172	-0.004996	0.040749	-0.027471	-0.025798	-0.060869	-0.036102	-0.021781	0.001061	0.015899
82	0.011209	-0.001657	-0.012573	-0.012609	-0.02949	-0.020225	0.011441	0.019585	-0.001516	-0.005205	-0.00098	-0.002888	-0.012672	-0.025

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
83	0.01245	-0.012152	0.002781	0.006562	-0.032198	-0.017572	0.015625	0.014665	0.007761	0.01491	0.010786	0.002151	0.003516	-0.031719
84	0.023316	0.008266	0.005844	0.005337	-0.046809	-0.025737	0.003994	0.008968	0.010028	0.012705	0.007096	0.000354	0.012185	-0.024755
85	-0.009092	0.037187	-0.011401	0.023128	-0.023306	-0.074056	-0.069024	0.011949	0.011325	-0.006109	0.022224	0.029041	-0.026913	0.00644
86	-0.008976	0.014453	-0.025468	0.009646	-0.099835	-0.101961	-0.100455	0.020685	0.003687	0.002674	-0.000987	0.002024	0.012605	-0.006038
87	-0.019662	0.007073	0.001232	0.004605	-0.070932	-0.068157	-0.074114	0.012895	0.012768	0.005739	0.017848	0.018492	0.011354	-0.073787
88	0.000724	0.002955	0.003454	0.010718	-0.028485	-0.003477	0.007191	0.021409	0.010963	0.022317	0.011149	0.000317	0.008484	-0.03699
89	0.008288	-0.032355	-0.011454	0.006637	-0.039674	-0.010534	0.017756	0.007139	0.008958	0.022979	0.007737	-0.00992	0.008505	-0.020915
90	0.003233	-0.034681	-0.020439	0.005983	-0.047032	-0.026369	0.005154	-0.005718	0.00851	0.013445	0.009853	-0.000949	0.002363	-0.029087
91	0.011333	-0.004278	0.002919	-0.006634	-0.034706	-0.038476	-0.001404	0.001031	0.003032	0.020946	0.00286	-0.007079	-0.002657	-0.017019
92	0.003337	0.040847	0.005976	-0.038349	-0.005657	-0.031286	-0.053002	0.020991	-0.014977	-0.004884	-0.018444	-0.036282	0.003393	0.034366
93	-0.001995	-0.016251	-0.01465	-0.014713	-0.054173	-0.040103	-0.017122	0.019622	-0.004581	0.007519	-0.008409	-0.013011	-0.003341	-0.040409
94	0.008244	-0.011365	-0.001674	-0.023478	-0.021526	-0.017525	-0.034012	-0.004486	-0.004456	0.011915	-0.00114	-0.017825	-0.01118	-0.016349
95	-0.004319	-0.059259	-0.026109	0.016527	0.017862	0.004629	-0.016724	0.013303	0.033071	0.041748	0.034939	0.043701	0.014935	-0.007443
96	-0.010554	0.020007	0.012489	-0.043354	-0.014462	-0.00877	-0.0535	-0.027856	-0.007659	-0.000502	-0.00991	-0.013457	-0.017934	-0.011302
97	0.018374	0.019649	0.001964	-0.016152	0.020195	0.005484	-0.02331	-0.020791	0.000482	-0.007639	0.004104	0.000098	-0.004604	-0.033624
98	-0.021767	0.025984	0.017734	0.017025	-0.004589	-0.016997	-0.011145	-0.006726	0.010212	-0.002234	0.01529	0.015846	0.003338	-0.04409
99	0.002555	0.012234	-0.016865	-0.009921	0.008767	-0.00273	-0.015974	-0.01843	-0.0022	-0.007536	-0.003851	-0.00008	-0.008391	0.004767
100	-0.007058	0.024007	-0.008702	-0.002516	-0.001088	-0.02729	-0.012778	-0.013953	0.005873	-0.011591	0.003894	0.005125	-0.000332	0.000589
101	-0.024081	0.016097	0.026683	0.006146	-0.007564	-0.009348	-0.012265	-0.030713	0.006931	-0.011639	0.008523	0.007237	0.00883	-0.053065
102	0.007931	0.016906	-0.018982	-0.037185	0.00194	-0.022244	-0.031701	0.005896	0.005242	-0.003014	-0.005751	-0.001391	0.021432	-0.016015
103	-0.005398	-0.03787	-0.007226	-0.001022	0.004121	0.003228	0.025817	0.016324	-0.003232	0.051595	-0.004575	-0.005721	0.01448	-0.028628
104	-0.007134	0.039928	-0.002589	0.002328	-0.000064	0.001698	-0.012342	-0.030696	0.004287	-0.005188	0.002682	0.004493	0.017097	-0.036395
105	0.031188	-0.01569	0.021704	0.008686	-0.044856	-0.008427	-0.037573	0.032484	-0.01275	0.001637	-0.011481	-0.025512	0.017954	-0.008006
106	-0.005132	0.012804	0.031049	0.004423	-0.000978	0.012554	0.005431	0.035703	-0.002928	0.018339	-0.005134	-0.006454	-0.005585	0.005316
107	0.010726	0.013119	-0.003017	0.000122	-0.01336	-0.004318	-0.039163	0.019149	-0.003615	-0.012533	-0.012462	-0.014923	0.011717	-0.016967
108	0.021939	-0.014651	0.028356	0.006708	0.004987	0.034523	0.013536	-0.038902	0.006179	-0.006997	0.006348	0.010884	0.001679	-0.062523
109	0.040955	-0.022398	-0.041237	-0.013055	0.030796	-0.001881	0.016406	0.024354	-0.003183	-0.018081	0.00024	-0.00477	0.01286	0.008629
110	0.038057	0.027636	0.000052	-0.001262	-0.026834	-0.027759	0.011287	0.033892	-0.020955	0.024	-0.025854	-0.023402	-0.025825	-0.065106
111	0.019705	0.027576	0.041184	0.003063	0.022811	0.016397	-0.04446	-0.03734	0.01653	-0.00837	0.022839	0.02441	-0.007746	-0.002693
112	-0.008944	0.00559	-0.021705	0.008389	-0.016597	0.009947	0.02067	0.015302	0.010319	0.008632	-0.006278	0.001146	0.014426	0.013191
113	0.028522	-0.031589	-0.003184	-0.007839	0.028204	0.029143	-0.035685	0.00601	0.009761	0.011069	0.010366	0.007012	-0.011005	0.022089
114	0.008263	-0.005329	-0.005185	0.001812	0.000768	0.026412	0.032128	-0.0592	0.011064	-0.00214	0.004891	0.004848	-0.003107	-0.023156
115	-0.016249	0.040125	0.052241	-0.025514	-0.00462	-0.025419	-0.004025	-0.028685	-0.00577	-0.014114	-0.006008	-0.006729	-0.00073	0.061194
116	0.009693	-0.061921	-0.013683	0.009766	-0.026409	-0.05095	-0.039305	-0.025021	-0.008346	-0.00941	-0.007089	-0.007315	-0.009873	0.00423
117	0.0521	0.084825	0.022339	0.003045	-0.00649	-0.002213	-0.000356	-0.037956	0.015252	-0.019317	0.017283	0.031947	-0.003278	0.028617
118	0.002948	0.043307	-0.011294	-0.047902	0.003546	-0.009471	-0.01935	-0.020046	0.014743	-0.015409	0.011975	0.020946	-0.012384	-0.044466
119	0.023675	-0.010336	-0.044956	-0.011146	-0.021434	-0.031342	-0.008158	0.00224	0.004247	-0.003964	-0.00396	-0.001144	-0.000662	0.013156
120	0.042998	0.014018	0.004116	0.012321	-0.00815	0.004449	-0.008213	-0.032671	0.010174	-0.002325	0.013231	0.015939	-0.026344	0.026618
121	0.057147	0.004013	-0.013879	-0.001765	0.021583	0.004658	0.05254	-0.015609	0.001005	0.028153	0.006399	0.00392	-0.019564	-0.005881
122	0.033495	0.048524	0.013401	-0.012066	0.011912	0.017205	0.013873	0.019378	0.002696	-0.001802	-0.000592	0.008198	0.004575	-0.009847
123	0.040665	0.010396	-0.010024	0.000514	-0.00983	0.001489	0.025627	0.024943	0.003871	0.00048	-0.003421	0.002531	0.000805	-0.004518

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
124	0.028052	0.006723	-0.010423	-0.006462	-0.002935	0.001088	0.006028	-0.008114	0.007638	-0.001817	0.003298	0.000709	0.004032	0.002407
125	0.012396	0.019607	-0.00391	0.02958	-0.032371	-0.006128	0.049054	-0.002902	0.005152	-0.008671	0.003291	0.015463	-0.010799	-0.019684
126	0.02088	0.054838	-0.009732	-0.016484	0.009821	0.016003	0.007563	-0.001182	0.002801	-0.008184	-0.001727	0.005904	0.008168	-0.004614
127	-0.017023	0.001831	0.001222	-0.002302	-0.003192	-0.000095	0.011928	-0.004071	0.00336	0.005847	-0.00161	-0.000958	0.014141	0.00935
128	0.02011	0.013127	-0.010513	-0.017902	-0.022218	-0.029031	-0.007315	-0.010781	-0.01588	-0.006993	-0.022864	-0.017813	0.002294	-0.021357
129	-0.024069	0.006854	-0.05051	0.004462	-0.025101	0.002495	0.013464	0.01819	-0.007386	0.019877	-0.014237	-0.003089	-0.004578	-0.007575
130	-0.029942	-0.028519	0.013057	-0.039538	0.016286	0.010373	-0.033981	0.026324	-0.030929	-0.015347	-0.024437	-0.035887	-0.010036	0.045578
131	0.034421	-0.0556	-0.01477	-0.006096	-0.000296	-0.006289	-0.025702	0.025274	-0.010449	0.011629	-0.007857	-0.017834	-0.016866	-0.019359
132	0.031439	0.029298	-0.036199	0.00615	-0.036342	-0.041332	-0.015943	0.009467	0.004179	-0.00949	0.002427	0.005619	0.00265	-0.025484
133	0.011617	-0.041834	-0.000962	0.0402	-0.014731	-0.013403	0.009167	0.010409	0.004535	0.039239	0.015598	0.015998	-0.014533	-0.038904
134	-0.019223	0.007883	0.000026	-0.024507	0.031174	0.004744	0.010393	-0.030679	-0.001762	-0.009852	-0.002795	-0.008007	0.023415	0.009678
135	-0.001819	0.017033	-0.00435	0.010543	-0.029079	-0.005864	0.004976	-0.014231	-0.005465	-0.010296	-0.005248	-0.011869	-0.005706	-0.009757
136	-0.000079	-0.014528	0.017469	-0.002142	-0.01841	-0.044905	-0.065423	0.000042	-0.0067	-0.016505	0.004106	-0.001133	-0.021191	0.040162
137	-0.00564	-0.024503	-0.002687	0.002121	-0.021479	-0.03358	0.000137	-0.0283	-0.000453	0.001208	-0.004716	-0.008349	0.009135	-0.014394
138	0.016504	-0.025937	-0.000282	-0.001393	0.036928	0.023196	0.003958	-0.027195	0.000971	-0.008001	0.004754	0.002545	0.010109	0.011818
139	-0.014965	-0.002237	-0.009169	-0.015796	-0.007245	-0.001401	-0.033968	0.021268	-0.002308	-0.013006	-0.009712	-0.001189	0.005582	-0.067076
140	0.001704	0.020418	-0.030804	0.020484	-0.000428	-0.024033	-0.033684	0.026083	0.009264	-0.012474	-0.002459	0.010297	0.020679	0.031431
141	-0.010505	-0.003395	-0.007162	0.010765	-0.010826	0.003519	0.023229	0.026522	0.002945	0.01142	-0.003344	-0.004401	0.03065	0.01076
142	0.019222	0.039706	0.035763	0.009069	0.035595	0.040326	-0.014778	0.004767	-0.002674	-0.007704	0.01329	0.008721	-0.01076	0.017608
143	0.022944	0.036707	0.030356	0.024707	0.00967	0.023951	0.041448	0.005154	0.002141	-0.010353	0.001554	0.00558	0.017254	-0.021306
144	-0.010917	-0.015454	-0.000825	0.021342	0.004407	0.007933	0.021658	0.025045	0.009235	0.019717	0.010164	0.011833	0.018549	-0.003293
145	0.018754	0.028277	-0.005374	-0.020197	0.006858	-0.009102	-0.017979	0.007689	0.004889	-0.000995	0.006914	0.015705	-0.002927	-0.063279
146	-0.008868	0.010196	-0.024476	0.016042	-0.009441	0.004087	-0.003185	0.002758	-0.000602	-0.01731	0.002087	0.010528	-0.016469	-0.018107
147	-0.017472	0.019918	-0.01091	0.009941	0.014561	0.050942	-0.016001	0.047657	-0.027218	-0.049197	-0.010817	-0.012798	-0.028225	0.000492
148	-0.051638	0.022817	0.033277	0.003504	0.008514	0.027648	-0.061391	-0.017689	0.016844	-0.025748	0.013929	0.025466	-0.010098	0.010732
149	0.027206	0.012782	0.017556	-0.009255	-0.00795	-0.012793	0.011081	-0.046191	0.002084	0.004495	-0.004198	-0.00048	0.005422	-0.00406
150	-0.003168	0.003148	0.005384	0.010799	0.006255	0.024518	-0.006475	-0.012619	-0.00019	-0.006069	-0.001716	-0.00365	-0.011822	-0.002959
151	-0.043994	0.059917	0.015726	-0.009786	0.017336	-0.015061	-0.032135	0.031298	0.000148	-0.009572	0.001213	0.00912	0.002726	-0.071305
152	-0.013653	-0.026091	-0.009247	0.01742	-0.000191	0.000012	0.029088	0.010569	0.008187	0.011047	0.001971	0.006488	0.010701	0.029913
153	0.000455	0.001629	-0.000412	0.032177	-0.003665	0.002789	0.024776	0.036411	0.010938	0.010895	0.013025	0.025889	0.011336	-0.005073
154	0.00817	0.015272	0.030036	-0.006444	0.002074	-0.012596	-0.05643	0.016235	-0.016957	-0.013414	-0.00187	-0.013251	-0.011206	0.026284
155	0.007076	-0.001567	-0.040792	-0.020152	-0.02157	-0.007321	0.021871	0.021838	-0.010621	-0.018634	-0.012342	-0.005199	-0.016775	-0.040748
156	0.018149	-0.029222	0.017755	-0.009762	-0.007954	-0.014545	0.008113	-0.039263	-0.018476	-0.014002	-0.018974	-0.018719	0.009748	-0.003906
157	0.008302	0.061767	-0.008353	0.009824	-0.00119	-0.003448	0.021796	-0.003403	0.000182	-0.017838	-0.001061	0.006575	-0.01445	0.02142
158	0.008295	-0.006972	0.031813	-0.000294	0.008724	0.035704	0.038237	-0.052952	-0.019448	-0.04006	-0.009009	-0.020698	-0.022811	-0.054695
159	-0.00205	0.012869	0.016387	-0.019557	0.020453	0.001639	0.018449	-0.01652	-0.011997	0.011187	-0.009448	-0.028964	0.007102	-0.036747
160	0.047106	0.01237	-0.003304	-0.012629	0.005748	0.009573	0.081817	-0.028864	0.00331	-0.028302	-0.014126	0.012904	-0.013289	-0.010403
161	0.015444	-0.024263	-0.047405	0.005014	-0.028252	-0.005058	0.010009	-0.043026	-0.007615	-0.04866	-0.021784	-0.014355	-0.0001	0.008794
162	0.002708	-0.037906	-0.002934	0.024954	-0.004823	-0.005491	0.02707	-0.021941	0.023029	0.010976	0.021426	0.036355	0.016388	-0.007186
163	-0.007818	0.022171	0.015922	0.014129	0.009852	0.008063	0.022245	-0.009633	0.009594	-0.010861	0.00949	0.011619	0.012272	0.02069
164	-0.040205	-0.017206	0.001942	-0.009876	0.032658	0.00942	-0.00957	0.043661	0.004853	0.011833	0.008379	0.007447	0.018877	-0.00303

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
165	-0.009914	-0.001759	-0.00536	-0.006574	0.001904	0.014159	0.052899	0.014725	0.00995	-0.020534	0.005625	0.041066	0.00562	-0.0467
166	0.028331	0.005744	0.033504	0.012573	0.039517	0.051204	0.007439	-0.000197	0.016876	0.034106	0.02917	0.023243	-0.000155	0.007196
167	0.000312	-0.031596	-0.002863	0.019748	-0.005432	-0.021091	-0.001945	-0.013256	0.014392	0.02151	0.019527	0.019583	0.023973	-0.018351
168	-0.013375	-0.020565	0.008818	0.00444	0.015504	-0.006204	-0.020851	0.021925	0.008541	0.018597	0.006117	0.005998	0.010993	0.031657
169	-0.006087	0.004859	0.016565	0.015067	-0.020859	0.003229	0.00834	0.000279	0.008777	-0.006047	0.008398	0.010243	0.0048	-0.037369
170	-0.034915	-0.015433	0.019692	0.002492	-0.014788	0.006517	0.010084	0.004583	0.003321	-0.012957	0.002556	0.005121	0.008827	-0.02817
171	0.003497	-0.003067	-0.003543	0.010336	-0.007603	0.014237	0.015198	0.004955	0.007761	0.000379	0.001432	0.000057	0.013317	-0.016723
172	0.016565	0.002356	-0.00251	0.001969	-0.000155	-0.014334	0.01764	-0.014734	0.007639	-0.005157	0.005892	0.008851	0.00262	-0.028353
173	0.00566	-0.012687	0.01604	0.009423	0.003675	-0.001817	0.011072	-0.018466	0.009211	0.010355	0.00858	0.018555	-0.000927	0.000241
174	0.013408	-0.025426	0.003647	-0.003358	0.007715	0.01227	-0.007266	0.007717	0.007757	0.003631	0.005036	0.002942	0.000514	0.000097
175	0.008869	-0.015651	-0.009853	-0.050827	0.025006	0.047148	0.023978	0.019694	0.001507	-0.036833	-0.010542	-0.003245	-0.020014	-0.003399
176	0.011532	-0.03993	0.019311	0.003445	-0.012525	-0.01392	0.006942	-0.026659	0.002966	-0.020611	0.003922	0.003334	0.005766	0.012643
177	-0.015305	-0.051236	0.000971	-0.002682	0.004815	0.001039	-0.04997	-0.013569	0.000253	0.018388	0.002774	-0.008266	0.014307	-0.008454
178	-0.03427	0.015112	-0.004103	0.011829	-0.005503	0.011474	-0.018078	0.025599	0.008976	0.003016	0.002221	0.010938	0.015198	-0.047926
179	-0.016663	0.030924	0.001017	0.011249	0.000839	0.003821	-0.010555	0.020313	0.007836	-0.005836	0.008441	0.013522	0.000903	-0.042066
180	-0.020665	0.013518	0.005261	0.012074	-0.013816	-0.003754	-0.008643	0.008541	0.006037	0.003426	0.005427	0.008799	0.000157	-0.029635
181	-0.016896	0.022913	0.005982	0.014718	-0.010751	-0.011851	-0.002929	0.009176	0.006175	-0.002152	0.007409	0.012279	0.002956	-0.039757
182	-0.020191	0.014857	0.000901	-0.000916	-0.002992	-0.016214	-0.018803	-0.00038	0.002994	-0.004107	0.001505	0.003759	-0.002366	-0.013452
183	0.010572	0.037851	-0.028612	-0.011569	-0.007177	-0.014608	-0.012192	0.013577	-0.00196	-0.011511	-0.009139	-0.00905	-0.0026	-0.016509
184	0.029138	0.048528	-0.037939	-0.006096	0.001577	-0.008779	0.033126	-0.00561	0.008586	-0.014053	-0.003632	0.001267	-0.002018	-0.007282
185	0.030674	0.015339	0.000264	-0.018559	-0.010246	-0.020955	-0.02078	0.006193	-0.006811	0.014685	-0.014423	-0.010242	0.001672	-0.02471
186	-0.013111	-0.013665	-0.036291	0.00562	0.042116	0.016994	0.008489	0.069566	0.010517	0.025694	0.012776	0.010711	-0.001372	0.057439
187	-0.003128	0.014281	0.008311	0.004442	0.003177	-0.007071	0.005526	-0.012919	0.018746	0.00763	0.018676	0.024776	0.007697	0.006719
188	0.005587	-0.001239	-0.007631	-0.017599	-0.010033	-0.012684	-0.007011	0.002724	0.00482	-0.008757	0.000085	0.00095	0.000463	0.005512
189	0.014421	0.017141	-0.003394	-0.036396	0.005635	0.010467	0.012974	0.006182	0.002648	-0.043858	-0.001894	-0.00764	-0.015207	-0.000345
190	0.007544	-0.000658	-0.001159	-0.00553	-0.003452	-0.006648	0.019903	-0.012815	0.002416	-0.006701	-0.001431	-0.001946	-0.002449	0.007213
191	0.004443	0.04212	0.00237	0.008783	0.00042	-0.011274	0.018036	-0.017387	0.01482	-0.011165	0.012082	0.012997	0.012285	0.007671
192	-0.013152	0.020292	-0.01126	0.010837	0.027786	-0.002101	-0.01786	0.015195	0.019117	0.028589	0.012297	0.013516	0.025617	0.000318
193	-0.016979	-0.017088	-0.004686	0.01961	0.021133	0.000378	0.015625	0.031961	0.023876	0.020105	0.019579	0.022125	0.019489	0.037919
194	0.005202	-0.002762	-0.026134	-0.015334	-0.005954	0.016563	0.022221	0.048934	-0.000548	-0.01924	-0.00961	-0.004039	-0.004621	0.028338
195	0.010365	-0.024193	-0.023062	-0.003821	0.009752	0.009915	0.028185	-0.005034	-0.017731	-0.014725	-0.013061	-0.013985	-0.026798	-0.024512
196	-0.01181	0.000816	-0.017698	-0.016623	0.017577	0.004501	0.015455	-0.008337	-0.003158	-0.014776	-0.004325	-0.003916	-0.018674	-0.011297
197	-0.008512	-0.002468	0.001734	-0.008119	0.00161	-0.015922	0.027396	-0.019749	0.00152	0.007272	0.000558	-0.000823	-0.004596	0.001197
198	-0.006882	-0.013589	-0.011058	-0.012801	0.020698	0.030614	0.027188	0.008725	0.000023	-0.010227	-0.004041	0.005358	0.015217	-0.0198
199	0.025136	0.011308	0.039861	-0.000604	0.025838	0.015676	0.006086	-0.024877	0.003512	-0.006085	0.013003	-0.001008	0.018278	0.025284
200	-0.017206	-0.013727	-0.036736	0.022969	0.004875	-0.006284	0.022359	0.046764	0.009431	0.019979	0.009462	0.010952	0.032878	-0.051352
201	0.004411	-0.024726	-0.005948	0.033208	-0.084889	-0.038537	-0.081073	-0.039889	0.008067	-0.012925	-0.002698	0.007443	0.025889	-0.003579
202	-0.029638	-0.013513	-0.004253	0.000751	0.016688	0.02605	-0.001847	0.033781	-0.001999	0.015933	-0.003596	0.002651	0.014868	0.007151
203	0.025336	0.015879	0.001744	-0.024967	-0.033355	-0.02703	0.006973	0.013777	-0.004379	-0.000188	-0.009249	-0.002706	-0.007172	-0.011206
204	-0.021211	0.03819	-0.034498	0.031829	-0.020781	-0.059187	0.009256	-0.036949	-0.002877	-0.019903	-0.005042	0.01504	-0.00155	0.084918
205	-0.012172	0.029609	0.014162	0.014654	0.018962	-0.015782	0.052934	0.04718	0.012722	0.007161	0.014051	0.015589	0.032411	-0.026264

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
206	0.004523	-0.010513	0.000656	0.034318	0.000246	0.032786	0.032086	-0.014829	0.012127	0.011762	0.012276	0.012208	-0.004992	-0.010874
207	-0.03795	0.02164	0.020415	-0.016158	0.002806	-0.05553	0.041586	-0.017411	0.007378	0.007774	0.010213	0.004774	-0.004699	0.018961
208	-0.030029	-0.03874	-0.026317	-0.024298	-0.024725	-0.019205	0.048942	0.039664	-0.008362	0.030698	-0.013292	-0.011186	0.006893	-0.01404
209	-0.001695	0.013885	0.007804	0.007892	0.002308	0.000222	-0.014351	-0.001527	-0.020588	0.012182	-0.005301	-0.011637	-0.032218	0.00655
210	0.017231	-0.007235	-0.004426	0.009993	-0.009781	-0.002559	-0.022211	-0.034982	-0.005722	0.017098	-0.008461	-0.00548	-0.009239	-0.033961
211	-0.010644	0.061609	0.04166	0.020741	-0.002285	-0.03212	-0.054004	-0.068533	-0.00704	0.014161	-0.009556	-0.009695	0.020413	-0.007734
212	-0.030587	-0.008164	0.033988	-0.003525	0.026746	-0.024669	-0.025513	0.021901	0.000204	0.010099	0.007286	-0.005536	0.027608	-0.036492
213	0.025119	0.007954	-0.099561	-0.035585	-0.001551	0.029158	0.021425	0.038019	-0.002109	-0.039989	-0.032516	-0.019125	0.004028	0.038849
214	-0.010099	0.032746	-0.010645	0.001839	-0.007395	-0.006899	-0.006655	-0.001074	-0.00024	-0.006936	-0.002622	-0.007518	-0.006913	-0.010278
215	-0.032544	0.073236	-0.005961	0.029449	0.000673	0.003071	-0.002889	0.054991	0.008156	0.009661	0.012778	0.005498	-0.008913	-0.067105
216	-0.009612	-0.018025	0.022654	-0.000531	0.007607	0.020014	-0.011524	0.010908	0.011367	0.021883	0.010164	0.000909	0.013043	-0.01192
217	0.031351	0.006039	-0.023584	-0.016171	0.01286	0.019975	-0.013743	0.020824	0.001274	-0.010576	-0.006696	-0.003959	0.002583	0.00729
218	0.007592	0.015043	0.019625	0.01976	-0.003835	-0.010967	0.002035	-0.002939	0.004513	0.009066	0.007475	0.00118	-0.001966	0.00097
219	-0.000297	-0.013184	0.01045	0.007824	0.015135	0.022368	-0.012155	0.015781	0.010602	0.008228	0.011842	0.007609	0.005555	-0.008293
220	0.037069	0.010171	0.003196	0.004835	0.004987	-0.013808	0.022587	-0.009368	0.010323	0.000758	0.011689	0.008593	0.008866	0.00889
221	0.023147	-0.004876	0.020871	0.016603	0.01217	0.005296	-0.000033	-0.012117	0.007594	0.015879	0.011208	0.0163	-0.004331	-0.002575
222	-0.030981	-0.006741	0.010626	0.008545	0.017471	0.005427	0.014369	0.004739	0.003523	0.0082	0.004459	0.002376	0.008026	0.00301
223	-0.011685	-0.019906	0.01412	0.012822	0.011949	0.000405	0.021993	0.016348	0.008749	0.015145	0.008019	0.007262	0.013066	0.027755
224	-0.010423	-0.011286	0.020464	-0.001646	0.015828	0.037002	-0.029313	-0.02587	0.001943	0.025724	0.003542	-0.008813	0.008459	0.017804
225	0.000427	-0.030556	0.014438	-0.006647	0.009411	0.030961	-0.033348	-0.024488	0.000064	0.032469	0.001117	-0.013439	0.010882	0.006139
226	0.025277	-0.001926	-0.004441	-0.007409	0.010969	0.005304	-0.003447	0.010998	-0.002286	0.001404	0.000283	0.000144	-0.008108	0.005592
227	0.008314	-0.011687	0.009834	0.003928	0.004519	0.050705	-0.035531	-0.005672	-0.001721	0.007056	0.001281	-0.000597	-0.015637	-0.018906
228	-0.021666	0.016502	-0.011341	-0.024315	0.013501	-0.020599	0.019126	0.028384	0.008636	0.01342	0.00455	0.001412	0.00567	0.012315
229	0.013111	0.017306	-0.004298	0.008246	-0.038903	-0.042895	0.013655	0.011249	0.006302	0.009921	0.011222	0.004971	0.025854	-0.020089
230	-0.009832	-0.003729	0.016594	-0.007416	-0.022905	-0.013942	-0.007333	-0.008034	-0.008604	0.008044	-0.007962	-0.018288	0.010758	-0.019889
231	0.046508	0.002156	0.032016	-0.006875	-0.002991	-0.023369	-0.022317	-0.02189	-0.007701	0.00256	0.000333	-0.000667	-0.015964	-0.025046
232	-0.003893	0.019959	0.013396	-0.006827	0.017996	-0.005897	0.04619	0.004703	0.003948	-0.004734	0.007715	0.009549	0.005684	-0.014561
233	-0.005644	0.037207	-0.023839	-0.001482	-0.000314	-0.005466	0.008322	0.0218	-0.002898	-0.021853	-0.003841	0.003616	0.007673	-0.062698
234	0.001385	-0.028897	-0.012836	-0.008193	-0.00801	-0.022724	-0.006218	0.020112	-0.001868	0.006425	0.000673	-0.001593	-0.004381	-0.052715
235	0.000626	0.012444	-0.016063	-0.001367	0.008529	-0.023912	-0.005224	0.020268	-0.000726	-0.012046	0.004318	0.00806	0.001696	-0.032882
236	0.000765	-0.019879	0.008613	-0.006401	-0.001591	0.010648	0.033929	-0.013924	-0.006027	-0.005911	-0.005618	-0.004559	-0.004918	0.001649
237	-0.008981	-0.028946	-0.009438	-0.010278	-0.010605	-0.00426	-0.005998	-0.016044	-0.003239	0.000661	-0.004912	-0.003673	-0.005014	-0.000917
238	-0.017573	-0.023889	-0.010827	-0.020455	-0.001172	-0.00592	-0.022387	0.013933	-0.006041	-0.008458	-0.009899	-0.012079	0.00485	-0.010925
239	-0.017525	-0.000369	-0.007074	-0.014764	0.007739	0.001305	-0.024876	0.033906	-0.006256	-0.007893	-0.009633	-0.00966	0.000551	-0.003939
240	-0.007958	-0.005577	-0.00008	0.005925	0.00278	0.007232	0.006509	0.012913	0.013893	0.004159	0.012084	0.028879	0.012457	-0.016688
241	-0.01368	0.003474	-0.021838	-0.005964	-0.007196	-0.011702	-0.005134	0.011917	-0.001409	-0.003308	-0.004638	-0.005115	0.008106	-0.033782
242	-0.000508	0.027148	0.015903	-0.002517	-0.002772	-0.015207	-0.009576	0.003171	-0.006901	-0.016702	-0.003426	-0.002082	-0.001773	-0.018935
243	-0.035261	0.010152	-0.007207	-0.002929	0.015146	0.007162	-0.03876	0.026313	-0.002461	-0.021053	-0.001084	0.003619	-0.007309	-0.011392
244	0.006865	-0.005085	0.011348	0.011347	-0.010703	0.006007	0.000348	-0.013972	-0.001488	0.015661	-0.000727	-0.000974	0.000952	-0.016405
245	0.014397	0.011172	0.006629	0.019152	-0.023607	-0.00252	0.011995	0.009986	-0.001522	0.01586	-0.004578	-0.008842	0.023384	-0.039414
246	-0.011106	0.015386	0.017804	0.008562	-0.001544	-0.007818	0.008042	0.001082	-0.001748	-0.005178	0.004045	0.002998	0.004456	-0.016338

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
247	0.003925	0.001795	-0.010021	-0.008431	-0.007588	0.003187	-0.000627	0.001159	-0.015769	-0.0182	-0.016141	-0.011597	-0.01421	-0.003329
248	0.00338	-0.009404	-0.019508	0.002624	-0.003253	-0.003702	0.014791	0.006171	-0.005246	-0.001613	-0.005354	-0.001429	-0.006016	-0.003254
249	-0.058401	-0.04863	-0.010724	0.00931	0.005544	-0.002975	0.032152	0.013315	0.000467	-0.008732	-0.000433	0.004341	0.016973	0.00201
250	-0.015692	-0.020476	0.008846	0.001275	-0.000408	-0.000496	0.003921	-0.005768	0.012538	0.00713	0.01377	0.019395	0.010739	0.000165
251	-0.004645	-0.040113	-0.012603	-0.006704	-0.008707	-0.009581	-0.007275	-0.009539	0.002659	0.014392	0.001341	0.007776	0.012181	0.0004
252	0.01716	-0.031055	-0.021738	0.007301	-0.024923	-0.02625	-0.022899	0.005611	-0.011703	0.000914	-0.01342	-0.015204	0.003881	-0.029437
253	0.001894	0.004364	-0.01557	-0.017986	-0.026256	-0.035521	-0.008156	0.010804	-0.006917	-0.006135	-0.012648	-0.022775	0.005916	-0.016135
254	-0.041788	-0.019122	0.011863	0.016526	0.017914	0.016432	0.015897	0.012318	0.013202	0.013928	0.01431	0.014981	0.014347	0.028728
255	-0.012405	-0.012908	0.018227	0.009275	0.001156	0.006464	0.000609	-0.004279	0.00253	0.003145	0.007013	0.010158	0.004052	-0.000476
256	0.010317	-0.011297	-0.014395	0.014931	-0.028271	-0.033506	0.010607	0.018773	0.003065	-0.009988	0.000331	-0.002987	0.014342	0.001713
257	0.012649	0.005443	-0.005349	0.002054	0.004603	-0.011726	0.020686	-0.009075	0.004541	-0.020148	-0.000674	0.00895	0.007683	-0.001149
258	-0.000154	-0.008893	-0.011372	-0.001058	0.006583	0.009938	-0.007969	-0.012672	-0.008841	-0.002052	-0.01112	-0.012237	-0.010397	0.006663
259	-0.04559	-0.039308	-0.011552	0.0039	0.001675	-0.003558	0.006097	0.000815	0.007527	0.010481	0.005712	0.005514	0.012531	0.012075
260	-0.009637	-0.075363	-0.010919	0.018807	-0.007175	-0.011183	0.002088	0.001307	0.014256	0.02895	0.014554	0.012796	0.010601	0.011483
261	0.005991	-0.077206	-0.020397	-0.008395	-0.010581	-0.019961	-0.023795	-0.003751	-0.003662	0.014022	-0.002216	-0.001054	-0.012437	-0.004693
262	0.016583	-0.005203	0.00451	-0.007877	-0.005869	-0.008962	0.004813	-0.009131	-0.009899	-0.010449	-0.010952	-0.008626	-0.004147	-0.007039
263	0.007376	0.008788	-0.007645	-0.00373	-0.010377	-0.014291	0.006154	-0.005734	-0.005149	-0.012749	-0.008579	-0.004409	0.001232	-0.010126
264	-0.059365	-0.019469	0.00255	0.018048	0.023361	0.011347	0.011658	0.003208	0.018356	0.009304	0.021235	0.015394	0.007346	0.039339
265	-0.048628	-0.042305	0.000592	0.020322	0.041737	0.032848	0.009166	0.003693	0.015517	0.004653	0.020203	0.007897	-0.00251	0.070272
266	-0.006987	-0.053665	-0.007784	-0.000847	0.014855	0.015364	-0.006564	-0.002764	-0.008973	0.007803	-0.005998	-0.012383	-0.013247	0.034575
267	0.014592	0.011686	-0.00532	-0.016512	-0.028488	-0.018619	-0.015169	0.023903	-0.004838	-0.00533	-0.002474	-0.013642	0.000629	-0.007057
268	0.017514	0.021804	-0.00157	-0.012757	0.013309	0.011569	-0.004791	0.006398	-0.004425	-0.00773	-0.001107	-0.005686	-0.012547	-0.005989
269	0.015497	0.008827	0.001874	-0.009353	0.008604	0.008939	-0.000126	-0.002491	-0.003952	-0.005716	-0.000499	-0.005641	-0.011229	0.000611
270	0.007222	-0.003895	0.002218	-0.004435	0.005699	0.021862	-0.004568	-0.001087	-0.001917	0.000236	0.000051	0.000354	-0.017076	0.006508
271	-0.012245	0.000242	0.015929	0.012436	-0.0064	-0.004051	-0.002331	0.005064	-0.000146	0.017294	0.00526	0.005559	0.033079	0.020796
272	0.021188	0.005593	-0.002803	-0.000167	-0.024055	-0.036719	0.005895	0.010206	0.007177	0.009533	0.012694	0.010828	0.01566	-0.010823
273	0.023169	0.022228	-0.00218	0.00021	-0.000997	-0.008896	0.010694	-0.018446	0.000616	0.000929	0.003905	-0.001187	-0.004481	0.000846
274	0.021161	0.018169	-0.00283	-0.001204	0.000358	-0.008335	0.006091	-0.019012	0.001053	0.00081	0.004647	-0.000417	-0.005607	0.004071
275	-0.018676	-0.016478	0.00592	0.007544	-0.016268	0.016063	0.009452	-0.013494	-0.001826	0.007972	0.000042	0.001338	-0.010765	-0.002754
276	0.005849	-0.011224	0.013387	-0.009715	-0.008583	-0.004749	0.020872	-0.011821	-0.001241	-0.002879	0.001718	0.002216	0.002103	-0.004905
277	-0.001757	0.008433	-0.004816	-0.005717	-0.001832	0.010951	-0.006457	-0.013048	-0.006528	0.002232	-0.009002	-0.00838	-0.01839	0.005466
278	-0.005965	0.003077	-0.013364	-0.003854	-0.01503	-0.001199	-0.002594	-0.009103	-0.005486	0.010665	-0.009742	-0.009162	-0.015097	0.019325
279	-0.027448	-0.004116	-0.007944	-0.007836	0.020527	0.018198	-0.017027	0.044368	0.003948	0.00167	0.002241	0.007418	-0.001665	0.015377
280	-0.031591	0.03634	-0.006675	-0.032797	0.016513	0.019384	-0.026058	0.009224	-0.00893	-0.029131	-0.007447	-0.014074	-0.015404	-0.021898
281	0.0077	0.03279	-0.000017	0.002675	-0.011487	-0.016076	0.003588	-0.005075	-0.011043	0.004607	-0.008153	-0.011565	-0.006374	0.017558
282	-0.006429	0.029462	0.000795	0.01309	-0.011127	-0.009497	-0.001669	-0.007212	-0.011224	0.006334	-0.009664	-0.012717	0.001372	0.024971
283	0.005743	-0.009454	-0.030243	-0.000582	0.000282	0.009956	0.0003	0.024315	-0.007242	0.000057	-0.009883	-0.002142	-0.014599	0.035965
284	0.004717	0.009203	-0.006107	0.005783	0.01	-0.011918	0.017701	-0.001377	0.012477	-0.008383	0.010143	0.016286	0.007215	0.015619
285	-0.005464	0.006235	-0.004768	0.010941	0.001359	-0.017017	0.013182	-0.001549	0.009295	-0.008668	0.004723	0.01058	0.013604	0.022625
286	-0.012618	0.007699	-0.012473	0.005071	0.009165	-0.000097	-0.023562	-0.007502	0.002097	0.000826	-0.001366	0.001112	0.005949	0.014226
287	-0.018226	0.002559	-0.015208	0.007112	0.002206	0.005697	-0.018193	-0.003327	-0.00078	-0.001508	-0.006258	-0.002326	0.004547	0.017805

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
288	0.01153	-0.008466	-0.010072	-0.001883	0.003576	0.002737	-0.020986	-0.020466	-0.001571	0.01278	-0.003408	-0.008082	-0.015475	0.051735
289	0.009144	-0.011771	0.004722	0.002911	0.011179	0.018151	0.021465	-0.013981	-0.002821	-0.008042	-0.001373	0.001288	-0.004791	0.013481
290	0.017367	-0.010926	-0.016495	-0.008937	-0.012876	-0.025322	-0.01971	-0.032205	-0.002887	0.000013	-0.008984	-0.010357	-0.004673	0.02018
291	0.015364	-0.010559	-0.015501	-0.006621	-0.011386	-0.023676	-0.023076	-0.032449	-0.002548	0.000174	-0.008362	-0.007808	-0.00542	0.021156
292	0.010845	0.002114	-0.008777	-0.008842	-0.007187	-0.028806	-0.02907	-0.023445	-0.001299	-0.005417	-0.006377	-0.002736	-0.001447	0.021339
293	-0.003029	0.009878	0.01582	0.007355	0.017819	0.010829	-0.01568	0.023274	0.012394	0.003371	0.01827	0.026076	-0.02855	0.001471
294	-0.006992	0.005348	0.005879	0.010524	0.00703	0.008003	-0.009885	0.015841	0.00215	0.008181	0.00726	0.002426	-0.017381	0.003173
295	0.021699	0.03354	0.006242	-0.012307	0.00149	-0.011973	-0.007535	0.002919	0.001048	-0.012501	0.000752	0.004029	-0.012	0.004813
296	0.026153	0.002044	-0.020707	-0.027337	-0.028844	-0.014919	-0.004353	0.009826	-0.021303	-0.018325	-0.023024	-0.023888	-0.032092	0.010548
297	0.034832	0.026397	0.013856	-0.015583	-0.018547	-0.034937	-0.019446	-0.004381	-0.001592	-0.001617	-0.003129	-0.005687	-0.01285	0.011593
298	-0.017813	-0.017768	-0.013479	-0.006528	0.003595	-0.000684	0.021772	0.005054	0.005151	0.005113	0.000477	-0.000413	0.00896	-0.019347
299	0.022464	0.003855	0.011091	-0.025508	-0.00541	-0.007774	-0.014789	0.001758	-0.005258	0.009813	-0.008035	-0.012116	-0.010596	0.002245
300	-0.056856	0.00738	-0.002822	-0.016012	0.045873	0.008537	0.012279	0.007207	0.041741	0.017146	0.033284	0.049703	0.033401	-0.068378
301	0.002656	0.001	0.003488	-0.015966	0.001055	-0.008277	0.014319	0.011428	0.00033	-0.00757	-0.00343	-0.00558	-0.002338	0.005724
302	-0.015837	0.006716	-0.000673	-0.026527	0.0127	0.015933	0.016514	0.014772	-0.004186	-0.011096	-0.00937	-0.011073	0.003032	-0.008136
303	0.003322	-0.00664	0.001536	-0.024043	-0.001606	0.011485	-0.019021	0.022939	-0.008022	0.009748	-0.012011	-0.013904	-0.003837	-0.02215
304	0.005916	-0.016248	-0.02274	-0.044049	-0.010358	0.012759	-0.028706	0.03042	-0.010777	0.016058	-0.019359	-0.026191	-0.006242	-0.02298
305	-0.011497	0.008756	0.000579	-0.023008	0.024705	-0.005374	-0.007757	0.008237	0.005824	0.004028	0.008162	0.009287	-0.017086	0.005193
306	0.013052	-0.034697	-0.022892	0.028154	-0.010645	-0.008026	-0.002173	0.024795	0.000974	0.001931	0.008958	0.019768	-0.046783	0.00884
307	0.030994	0.001444	0.006091	0.025571	0.004661	-0.021343	0.007293	0.045212	0.014713	0.056654	0.009095	0.013063	0.029545	-0.053712
308	0.000505	-0.012624	0.024827	0.027906	0.01023	0.004557	-0.000328	0.037345	0.019153	-0.007684	0.024708	0.030024	0.023252	-0.009315
309	-0.029607	-0.018305	-0.006461	-0.012729	-0.016023	0.002991	0.001651	0.014538	-0.01028	-0.010961	-0.015198	-0.015038	-0.006132	0.014223
310	-0.022877	-0.002811	-0.01983	-0.001275	-0.029222	0.008727	0.001008	0.02101	-0.018888	-0.014712	-0.021545	-0.026282	-0.015168	-0.012249
311	-0.011022	-0.013956	-0.020337	-0.006329	-0.000916	0.011423	-0.002339	0.01438	0.001358	-0.000122	-0.002374	-0.002481	-0.00683	-0.013303
312	0.01864	0.029574	0.06197	0.033438	-0.006477	-0.017872	-0.025247	-0.003686	0.018148	-0.008359	0.027457	0.02206	0.027116	-0.007075
313	-0.022908	-0.027112	-0.019435	0.016357	-0.024336	-0.022347	-0.023692	0.002066	0.009231	0.002987	0.008351	0.011359	-0.001573	0.000594
314	-0.049842	0.044427	-0.001841	0.02971	-0.040694	-0.026107	-0.002316	0.03925	0.001109	0.032766	-0.004363	0.00623	0.00962	-0.000698
315	-0.010866	-0.006661	0.011915	-0.002977	-0.002204	-0.000135	-0.024255	0.00509	-0.000888	0.002097	-0.001602	0.001244	-0.004525	0.016677
316	-0.050043	-0.016233	0.020399	-0.010736	0.001237	0.026606	0.014942	-0.029061	-0.002244	-0.044089	-0.000633	0.002875	-0.032566	0.009341
317	-0.021082	-0.003759	-0.00131	0.016984	-0.005731	-0.006141	0.019973	0.012382	0.01036	-0.009933	0.004831	0.013753	0.011679	0.035332
318	0.009039	-0.010489	-0.021513	-0.000383	-0.011956	-0.008279	0.008554	0.024225	-0.001555	0.019201	-0.00644	-0.000471	0.017707	0.014974
319	-0.00671	-0.019363	0.006598	0.008241	0.00793	0.004927	0.007866	-0.001401	0.0048	0.00723	0.000844	0.002895	0.009694	0.02062
320	0.002467	-0.006531	-0.03397	0.008274	0.021725	0.010105	0.014605	0.00122	0.002404	-0.00856	0.001024	0.00292	-0.008851	0.004111
321	0.026163	0.016754	-0.001363	0.000392	-0.013795	-0.031166	-0.018231	-0.004321	0.003785	0.02906	0.001519	-0.002834	-0.000365	-0.010023
322	-0.027303	0.042635	0.011486	-0.038638	0.03983	0.04275	0.01848	0.02554	-0.001411	-0.041614	0.00308	-0.002677	0.016341	-0.00063
323	-0.002465	0.028983	0.004044	-0.00789	0.002259	-0.012944	-0.014222	-0.018286	-0.003718	-0.009673	0.000289	-0.005547	0.006502	-0.015508
324	-0.03746	-0.020761	0.004707	0.001173	0.009574	0.021855	0.004248	0.034976	-0.001213	0.01386	0.000836	-0.000072	-0.008911	0.031743
325	-0.018019	-0.026377	0.002117	-0.002733	-0.007728	-0.005193	0.006584	0.009875	-0.005502	-0.009136	-0.000517	-0.00735	-0.02046	0.022723
326	-0.060795	-0.017489	-0.009665	8.011656	0.008451	0.01355	0.009596	0.00914	0.004276	-0.013411	0.003803	0.011264	0.002917	-0.008657
327	-0.013871	0.009866	-0.005654	-0.016782	0.016781	0.004143	0.005804	0.007687	0.000094	-0.006791	0.000522	-0.000352	0.00836	-0.011091
328	-0.039179	-0.001558	-0.011742	-0.008727	0.006588	-0.013797	-0.014002	0.00444	-0.002395	-0.018098	-0.002031	0.001758	-0.024603	0.004737

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
329	-0.013289	0.019557	0.004772	-0.00533	0.005035	-0.012818	0.012397	-0.023074	0.001512	-0.013508	0.000306	0.008306	0.019721	-0.024522
330	-0.048833	-0.016935	0.003139	0.004355	0.00486	0.021213	-0.007567	0.004448	0.012786	-0.009398	0.013985	0.010741	0.022634	-0.061727
331	-0.026046	0.011616	0.009011	0.004819	0.021734	0.02159	-0.009259	0.017676	0.005345	0.000174	0.010518	0.012063	-0.007171	-0.013143
332	-0.041591	-0.05387	-0.004227	-0.01893	0.049524	0.056525	-0.021324	0.029192	0.01204	0.028184	0.010319	0.002245	0.006031	-0.080954
333	-0.026067	-0.02103	0.005986	0.005607	0.004126	0.007638	0.024373	0.011982	0.001595	-0.000442	0.00448	0.00385	-0.001869	0.004735
334	-0.029267	-0.003614	0.024514	0.014876	-0.043608	-0.056049	-0.029035	0.003136	-0.029395	-0.029023	-0.012738	-0.016863	0.011011	0.005701
335	-0.031632	-0.022745	-0.010584	0.014839	0.016824	0.009157	0.026338	0.014032	0.005557	0.007546	0.009617	0.002887	0.001763	-0.0104
336	-0.015991	-0.013858	-0.004946	0.004931	0.004841	0.018237	0.022116	0.020599	0.017754	0.015383	0.007247	0.005299	0.025106	0.025096
337	0.011421	-0.019882	0.013776	0.009805	-0.018619	-0.01452	0.010439	-0.00449	-0.00285	-0.011331	0.001161	0.004026	-0.001858	0.037041
338	0.010867	-0.01501	0.011255	0.003156	0.034493	0.062505	0.042285	0.022347	-0.005328	0.013632	-0.002461	-0.00539	0.010927	-0.043419
339	-0.005496	0.001887	-0.000364	0.00491	0.018672	-0.001972	0.007453	0.027423	0.018509	0.015587	0.015518	0.021054	0.017989	0.009717
340	0.027683	-0.015515	-0.007478	-0.000746	-0.010228	-0.027034	-0.059204	-0.016578	0.001564	0.020836	0.006021	0.024531	-0.020487	-0.042121

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
1	0.066818	-0.210412	-0.217454	-0.174249	-0.096732	-0.086756	-0.186418	-0.201214	-0.180807	-0.17117	-0.169824	-0.050161	-0.180162	-0.131196
2	0.026226	0.007784	-0.031672	-0.007383	0.118568	0.027493	-0.036946	0.001103	-0.04509	-0.064564	-0.033201	-0.049424	0.016612	-0.03759
3	-0.007067	0.067203	0.025445	-0.01962	-0.10449	-0.176888	-0.111812	0.016777	0.025765	-0.008044	0.035135	0.022507	-0.018592	0.001181
4	-0.071011	-0.024685	-0.015477	0.029021	-0.181552	-0.071092	-0.055954	0.071784	0.011214	-0.049055	0.01787	-0.047051	-0.031536	0.025153
5	0.039677	-0.012742	-0.014193	-0.00336	-0.006065	-0.033136	-0.011012	-0.052147	-0.02681	-0.046194	-0.000454	0.002415	-0.003862	-0.039346
6	0.058812	0.0183	0.013233	-0.011302	0.003909	0.020924	0.006997	-0.016163	0.015934	0.026273	0.021894	-0.002215	-0.009695	0.080101
7	0.021064	-0.04676	-0.017496	-0.016814	-0.048999	-0.039901	-0.005272	-0.021013	-0.01994	-0.060979	-0.039677	0.061395	-0.010279	-0.150413
8	0.013002	0.062974	0.020849	-0.042301	-0.167557	-0.067033	-0.047293	0.010035	-0.001244	-0.011057	-0.018367	0.045443	-0.002137	0.047844
9	0.012308	0.034621	0.034886	0.023245	0.032216	0.136267	0.059792	0.022139	-0.002567	0.014115	0.028259	0.013469	0.036514	0.030503
10	-0.042682	0.037947	-0.009105	0.032921	-0.000789	-0.007177	-0.021744	0.007354	-0.015609	-0.035146	0.091766	0.220504	0.042893	0.088278
11	-0.048703	0.00267	0.01622	0.011495	0.059116	-0.045702	0.012002	0.007364	0.031251	0.040496	0.01595	0.089012	-0.006325	-0.020433
12	0.106786	0.012114	-0.007915	-0.007718	-0.056268	-0.082927	-0.02962	0.023147	-0.013561	-0.015471	0.043267	0.046123	0.039179	0.042022
13	-0.017626	-0.045031	-0.027875	-0.021177	-0.012662	0.022819	-0.009298	-0.016651	-0.009989	-0.030766	-0.031457	0.015095	-0.051848	0.001202
14	-0.083866	-0.017964	0.044515	0.070609	-0.104138	0.026796	0.039735	0.013075	0.052715	0.081276	0.042193	-0.023928	0.107646	-0.01201
15	0.018617	-0.008374	-0.007583	0.038636	0.027199	0.041551	0.047113	-0.018084	-0.001884	0.002728	0.00076	-0.01296	-0.042902	0.005664
16	0.037963	0.052362	-0.003026	0.008997	-0.02819	-0.060569	-0.029683	-0.01409	0.001705	0.00185	0.045503	-0.008003	-0.021797	-0.066566
17	0.053201	0.014558	0.001202	0.021872	-0.029346	0.022486	0.035556	0.020683	0.007069	-0.023732	0.001982	0.123513	0.031446	0.02001
18	-0.04003	-0.023731	-0.014535	-0.011728	0.016302	-0.047547	-0.028496	-0.045448	-0.027131	-0.001799	-0.008676	0.006476	0.002313	0.060198
19	-0.027084	0.032377	0.041477	0.058535	0.019426	0.004143	0.003501	0.0296	0.048268	0.037263	0.033002	0.040109	0.041462	0.028354
20	-0.138405	-0.072872	-0.045173	-0.076353	0.056813	0.004551	-0.026795	-0.090219	-0.066421	-0.038997	-0.059157	-0.135956	-0.059168	-0.015852
21	-0.01494	0.00224	0.006252	-0.005275	0.055151	0.082025	-0.023896	0.017964	-0.000149	0.020043	0.023218	-0.059262	0.016125	0.036577
22	-0.02746	-0.001569	0.010673	-0.046407	-0.017899	-0.031204	-0.023958	0.011166	-0.047336	-0.061812	-0.049971	-0.02653	-0.086244	-0.009925
23	-0.039609	0.001915	0.015878	0.021507	0.019826	0.019518	-0.031122	0.008992	0.041783	0.040412	0.035196	-0.019202	0.042366	-0.015284
24	0.026114	0.010487	0.036083	0.066463	0.029036	0.009244	-0.017864	0.036589	0.054357	0.02715	0.052206	0.060479	-0.011135	0.071761
25	-0.056147	-0.020775	0.002915	0.013317	-0.125812	-0.01209	0.001092	0.026867	-0.00434	-0.00923	-0.043364	-0.028	0.002059	0.012383
26	-0.030918	-0.093914	-0.057209	-0.041902	0.041732	0.051907	0.013448	-0.04752	-0.021622	-0.046304	-0.048004	-0.031176	-0.057983	-0.087721
27	-0.024912	-0.05413	-0.074996	-0.099931	0.069309	-0.010199	-0.002575	-0.06798	-0.090711	-0.096505	-0.062509	0.03059	-0.075396	-0.016359
28	-0.114031	-0.030089	-0.074628	-0.05331	0.067184	0.059534	0.113257	-0.048643	-0.060168	-0.031384	-0.020008	-0.038384	-0.049414	-0.012391
29	-0.001146	-0.055104	-0.03372	-0.02997	0.031825	0.007269	-0.028897	-0.046833	-0.013998	-0.008735	-0.017073	-0.029384	-0.036682	-0.014191
30	0.09664	0.007063	0.002157	0.03326	0.026734	0.005027	-0.035208	-0.012599	0.006009	0.001624	0.016726	-0.000093	0.007737	0.000669
31	-0.018432	-0.013945	-0.029594	-0.057932	-0.060192	-0.092519	-0.134924	-0.04405	-0.050207	-0.0468	-0.072062	-0.087883	-0.011603	-0.006066
32	-0.02909	-0.014083	-0.01679	-0.015276	0.00395	-0.041083	-0.067149	-0.024023	-0.003299	-0.013537	0.038787	-0.075509	-0.043973	0.004653
33	0.008382	-0.021258	-0.032317	-0.045151	-0.101871	-0.042185	0.025429	-0.003906	-0.029858	-0.018977	-0.058888	0.000326	-0.034119	-0.044527
34	0.09602	-0.018296	-0.027845	-0.020477	0.046781	-0.015565	-0.02937	-0.036004	-0.054861	-0.046855	-0.031018	0.019411	-0.024863	0.057034
35	0.007486	-0.008201	0.011487	0.009263	0.032507	0.029255	0.052569	0.014199	-0.008851	0.014979	0.011215	-0.020539	0.01016	-0.051818
36	0.042926	0.028691	0.030013	0.015866	-0.067504	0.025401	0.043339	0.018827	0.005558	0.010111	-0.012422	-0.000201	0.007931	-0.014515
37	0.024801	-0.052731	-0.047702	-0.031649	-0.104774	0.033153	-0.016824	-0.099872	-0.052677	-0.016024	0.017236	0.059054	-0.018934	-0.106253
38	0.111213	-0.001864	-0.012903	-0.015345	0.069326	0.034808	0.030968	-0.017296	-0.007473	-0.003309	0.054853	0.03927	-0.004967	0.008104
39	0.055463	0.005804	-0.026658	-0.033403	0.002948	-0.017971	0.068267	-0.013748	0.002084	0.029109	-0.065553	-0.125198	0.028786	0.024909
40	-0.009607	0.00283	0.00466	-0.003715	-0.016473	0.017075	0.005583	-0.001253	-0.002716	0.000237	0.00036	-0.001567	-0.003209	-0.000592
41	0.1557	-0.008093	-0.016099	-0.01727	0.117553	0.005948	0.004391	-0.004496	-0.041109	-0.01957	-0.02769	0.068119	-0.007816	-0.048639

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
42	-0.059033	0.019916	0.026206	0.001703	0.009118	0.083169	0.001735	0.010648	0.028753	0.045675	0.097355	-0.01031	0.098744	-0.009589
43	-0.096408	-0.021676	-0.008216	0.002605	-0.047248	-0.057656	-0.016546	0.015999	0.027718	0.023922	-0.018194	-0.020945	0.064992	0.066625
44	-0.07185	0.03751	0.024131	0.034486	0.073914	0.045261	0.019901	0.033898	0.026194	0.007926	0.009106	0.080701	-0.018712	-0.005422
45	-0.084671	-0.039029	0.02545	0.002297	0.090907	-0.013415	0.003119	0.027572	0.030595	0.039492	0.007281	0.007623	0.057902	0.055445
46	0.145138	-0.026718	0.00081	-0.006232	0.043008	0.039559	0.030801	0.014366	0.040264	0.07542	-0.015519	0.033586	0.080158	0.017987
47	0.02474	0.00956	-0.009148	0.023122	0.01877	0.001831	-0.110555	-0.015636	-0.008879	-0.03138	0.009342	0.110844	0.026231	0.043753
48	-0.024954	0.033139	0.000508	-0.010266	-0.002489	-0.012301	0.092492	-0.004297	-0.02812	-0.008996	-0.017042	-0.149643	-0.043484	0.020606
49	-0.077468	-0.022706	0.002812	-0.007146	-0.069505	0.049564	0.000355	0.01308	0.029833	0.010224	-0.020808	-0.004328	-0.034109	0.079019
50	0.082791	-0.014138	0.015076	-0.008223	-0.056468	0.035361	0.062306	-0.001378	-0.012022	0.000961	-0.006176	0.103014	-0.012139	0.011073
51	0.043634	-0.021423	-0.036239	-0.03218	0.109228	0.02506	-0.067982	-0.024206	-0.034901	-0.013488	0.058055	0.130706	0.000978	0.094135
52	0.047765	-0.023472	-0.013973	0.008443	0.057174	-0.03419	-0.064598	-0.004124	-0.020161	-0.044098	0.010279	0.002341	-0.042423	0.072109
53	0.105336	-0.046167	-0.012018	0.017795	-0.018879	-0.022428	-0.019064	-0.008035	-0.024327	-0.011354	-0.004907	0.011785	0.058985	0.010013
54	0.058289	0.034037	-0.009467	-0.023416	0.050488	0.119198	-0.02986	0.002095	-0.000336	-0.042409	0.02623	0.054487	0.006812	0.026346
55	-0.073822	-0.015786	-0.025179	-0.00527	-0.064735	0.052672	-0.046557	-0.026221	-0.011726	-0.036232	0.001992	0.069715	-0.007262	0.06085
56	0.028343	0.036279	0.058249	0.025426	0.029881	-0.018425	0.031148	0.020166	0.031852	0.003733	-0.017556	0.078448	-0.011651	0.033786
57	0.056917	-0.029217	-0.019612	0.031002	-0.042572	-0.047138	-0.028694	0.012916	0.016089	0.040577	-0.02048	0.023519	-0.063936	0.018904
58	-0.059107	-0.028447	-0.012867	-0.006966	0.047989	0.053434	0.063606	-0.031942	-0.03605	-0.039175	-0.004671	-0.013285	-0.018364	0.006874
59	-0.006308	-0.022391	-0.026422	-0.053469	0.026256	0.007227	-0.007471	-0.044799	-0.111854	-0.070147	-0.068045	-0.082259	0.069809	-0.063058
60	0.027331	-0.000321	-0.003179	-0.001247	0.032464	0.001956	-0.013252	0.000067	-0.002366	-0.00984	0.013047	0.011041	-0.00126	-0.007159
61	-0.0127	0.009995	0.000546	0.003901	-0.025448	-0.008613	-0.02547	0.005778	0.00951	-0.009412	0.020154	0.029431	-0.011297	0.018352
62	0.004333	0.002273	0.003458	-0.000985	0.008472	-0.005298	-0.004455	0.014403	-0.001206	-0.00799	0.006032	0.023382	-0.004867	-0.001968
63	-0.015539	0.010065	0.004008	0.00334	-0.01518	0.001587	-0.001332	0.007651	0.011614	0.000189	0.005465	0.030633	-0.027805	0.007319
64	0.024358	0.001268	-0.004284	0.002429	-0.039587	-0.008108	-0.022162	0.001042	-0.006384	-0.012126	-0.020869	0.031577	-0.005449	0.004986
65	0.018645	0.004548	0.005368	0.002589	0.016175	0.0215	0.012954	0.007909	0.010343	0.002888	-0.001882	-0.008721	0.003151	0.010559
66	0.040988	-0.001211	0.003173	0.013047	-0.012807	0.000587	-0.008308	-0.000488	0.013312	0.003227	0.0081	0.062506	-0.004152	-0.008978
67	0.003004	0.014186	0.016703	0.020324	-0.015568	0.0115	-0.021162	0.003628	0.007596	-0.000723	0.007533	0.001511	-0.014413	0.005522
68	0.004963	0.005134	-0.004183	0.019366	0.030876	0.033899	0.026605	0.008019	-0.026979	-0.025506	0.008547	0.030189	-0.013253	-0.003366
69	-0.039469	-0.001626	0.008405	0.011721	0.015604	-0.019751	-0.019494	0.006738	-0.004917	-0.015756	0.011574	0.023909	0.001749	0.007985
70	-0.019998	-0.01541	0.008594	0.005417	0.047807	0.006932	-0.001593	0.006575	0.008774	0.015362	-0.004548	-0.023506	-0.001521	-0.023323
71	0.019888	-0.01049	-0.020065	-0.029802	-0.018995	-0.095999	-0.065904	-0.014154	-0.026434	-0.033438	-0.016577	0.017386	-0.033437	-0.019181
72	0.008092	-0.013266	-0.009331	-0.014674	-0.074248	-0.106565	-0.057612	-0.001198	-0.002357	-0.012569	-0.029343	-0.039104	-0.018121	-0.021475
73	0.049177	0.033003	0.040167	0.031587	-0.039449	-0.078088	-0.022441	0.024468	0.030662	0.023815	0.019047	-0.03167	0.013174	-0.029309
74	-0.026925	0.005068	0.005857	0.006565	0.003827	0.006447	0.009055	0.015532	0.003702	-0.008084	-0.006599	0.011658	0.008841	-0.009482
75	-0.011028	0.000359	0.007966	0.005774	0.040962	0.005679	0.004374	0.007317	0.005556	0.006571	0.002106	0.00587	-0.001484	-0.001337
76	-0.050107	-0.005508	0.01268	0.012034	0.014064	0.002794	-0.00129	0.022879	0.025191	0.015803	0.018877	-0.002119	0.001433	0.015183
77	-0.025969	0.000563	0.011112	0.003271	0.047002	0.000699	0.009427	0.008056	0.004948	0.007747	0.002039	0.003299	-0.004636	-0.000243
78	-0.014605	-0.004463	-0.000102	-0.00603	0.05667	0.00127	0.006431	-0.004845	-0.01527	-0.004787	-0.011267	-0.023995	-0.004239	-0.016925
79	0.017985	-0.02021	-0.007957	-0.001507	0.008842	0.010719	-0.009133	-0.003918	-0.00953	-0.011884	-0.008565	0.02624	-0.006328	-0.015646
80	0.066746	-0.004889	-0.009682	-0.005568	0.018936	0.011986	-0.053952	-0.021695	0.00389	-0.004819	0.003806	0.060037	-0.02232	0.000195
81	0.757605	-0.005387	0.016063	0.007305	-0.030202	0.002131	0.007509	0.010128	0.029921	0.020518	0.001463	-0.087991	-0.008206	0.010572
82	0.016124	0.911836	-0.070472	-0.050945	-0.004909	-0.025054	-0.04379	-0.064414	-0.056442	-0.047413	-0.052974	-0.01729	-0.045151	-0.051007

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
83	0.027992	-0.063131	0.920357	-0.058471	-0.004272	-0.028929	-0.052657	-0.064569	-0.068168	-0.063468	-0.050053	-0.014141	-0.052	-0.041801
84	0.014963	-0.050406	-0.063952	0.922271	-0.003632	-0.032008	-0.048536	-0.059779	-0.064788	-0.058939	-0.057194	-0.028823	-0.050216	-0.038724
85	-0.044307	-0.012011	-0.002608	0.001304	0.744067	-0.088447	-0.042343	0.00343	0.015459	-0.00292	-0.01401	-0.022811	-0.024264	-0.031503
86	0.009941	-0.004398	-0.016047	-0.019519	-0.095225	0.839201	-0.077619	-0.006047	-0.010653	-0.026233	-0.0283	-0.020796	-0.036106	-0.024529
87	0.032957	-0.021019	-0.034868	-0.028839	-0.038345	-0.089265	0.844395	-0.029188	-0.023397	-0.04411	-0.007974	0.020262	-0.03111	0.000581
88	0.025088	-0.059573	-0.069632	-0.061094	0.011721	-0.018395	-0.051363	0.917299	-0.070009	-0.057567	-0.046573	-0.013918	-0.0463	-0.046822
89	0.029893	-0.056622	-0.075946	-0.065351	0.011332	-0.021783	-0.050966	-0.070113	0.909676	-0.080705	-0.056903	-0.021214	-0.048388	-0.045562
90	0.025956	-0.046396	-0.067482	-0.05405	-0.006741	-0.032024	-0.068552	-0.051798	-0.076307	0.907912	-0.04826	0.002454	-0.05671	-0.035222
91	0.02274	-0.060286	-0.05773	-0.05981	-0.018168	-0.039866	-0.024963	-0.049493	-0.059473	-0.054812	0.904332	-0.060402	-0.053125	-0.059958
92	-0.067148	-0.036084	-0.021045	-0.03748	-0.001177	-0.024142	0.008127	-0.029884	-0.019018	0.001788	-0.071907	0.758085	-0.020924	-0.055422
93	0.015572	-0.046063	-0.059954	-0.051276	-0.026503	-0.043863	-0.03857	-0.047705	-0.055516	-0.06623	-0.053233	-0.016565	0.887683	-0.042517
94	0.030664	-0.046421	-0.042188	-0.030086	-0.017026	-0.019696	-0.004618	-0.045016	-0.041254	-0.032434	-0.040276	-0.036807	-0.02214	0.86076
95	-0.013494	-0.00918	-0.006677	0.00333	-0.00532	-0.012562	-0.0202	0.008297	-0.008731	-0.012738	0.014949	0.047879	0.009256	0.001769
96	0.042102	0.011404	0.021227	0.014058	-0.014529	-0.007422	-0.001354	0.005815	0.017548	0.02255	0.021541	0.023299	0.02627	-0.016954
97	-0.023257	0.004982	0.004388	0.018366	-0.011464	0.008311	-0.011562	0.009673	0.016229	0.008255	0.025147	-0.003965	0.010241	-0.010996
98	-0.005357	-0.001748	0.00487	0.004123	-0.01705	-0.009555	-0.019618	-0.001547	0.008138	0.004325	0.003743	-0.003416	0.005454	-0.024284
99	-0.017387	0.00541	0.012331	0.015716	-0.016521	0.000596	0.00694	0.00737	0.015942	0.011025	0.011682	-0.010731	0.018564	-0.000655
100	-0.017432	-0.006773	0.007144	0.018397	-0.019014	-0.020092	-0.010488	0.007474	0.014126	0.015627	0.020084	0.002634	0.011327	-0.004664
101	-0.022567	0.004605	0.007689	0.000422	-0.021317	-0.003929	-0.005505	0.000206	0.006349	0.003139	0.001613	0.000122	-0.012911	-0.035162
102	-0.062517	0.008957	0.014624	0.005234	-0.036772	-0.031932	-0.040268	0.019392	0.021932	0.014764	0.023161	0.002027	-0.009407	0.01758
103	-0.023631	0.009923	-0.006703	0.001477	0.04048	0.003756	-0.026588	-0.005628	-0.00382	-0.001078	0.014699	0.00816	0.001987	0.014311
104	-0.016044	0.018459	0.01334	0.000028	0.024739	0.001784	-0.017606	0.009606	0.010014	-0.00319	0.014077	0.01355	0.004201	0.039024
105	0.034349	0.013246	-0.001897	-0.011179	0.031111	0.019661	-0.036506	-0.028129	-0.016499	0.00103	0.037367	0.013483	0.003596	0.028905
106	0.036173	0.004466	0.003116	-0.006004	0.045111	-0.001046	0.016946	0.00476	0.007784	0.021408	-0.01496	0.0049	-0.001318	-0.005025
107	-0.022209	0.007694	0.014596	0.010021	0.008687	0.00007	0.023661	0.00171	0.013342	0.016071	0.018881	-0.001404	0.008859	-0.008155
108	0.020749	0.021998	0.018981	0.006494	0.028874	0.045558	0.015813	0.014891	0.014978	0.021474	0.014917	0.039159	-0.006045	0.02876
109	-0.012889	-0.0157	-0.004733	0.004033	-0.010924	0.023938	0.018446	0.014824	0.00595	0.00291	-0.007236	-0.042207	0.026761	-0.024688
110	0.063871	-0.00749	-0.009937	-0.028892	-0.028847	-0.008329	0.035731	-0.003573	0.004892	0.024133	-0.026683	-0.0275	-0.002734	0.010384
111	0.027576	-0.000274	0.008569	-0.009619	0.019683	0.015058	-0.010859	0.014232	0.013181	0.014904	0.001005	0.01417	0.041832	0.020224
112	0.016002	0.05062	0.014349	-0.007334	0.046372	0.015604	0.006701	0.005595	-0.00164	-0.004341	0.026694	0.038879	-0.015895	0.034237
113	0.001855	-0.004324	0.021116	0.019834	-0.004649	0.02976	0.03197	0.024114	0.010821	0.01198	-0.004309	-0.044105	0.025979	-0.036094
114	-0.010147	0.016158	-0.001892	0.024549	-0.030403	0.025704	0.022186	0.003548	-0.007426	-0.021164	-0.002562	0.014307	-0.018708	0.007908
115	0.00957	0.001325	0.004862	-0.023785	-0.012919	-0.023844	0.03317	0.012371	0.012005	0.012788	-0.040929	-0.023491	-0.028911	0.001061
116	-0.000289	-0.00619	-0.02019	-0.001785	0.01477	0.016827	-0.030968	-0.003466	-0.014962	-0.017019	0.010353	-0.009392	-0.017761	0.029198
117	-0.016179	0.000989	0.002966	-0.016842	0.007231	-0.006554	-0.004847	0.003786	0.012226	-0.003992	0.006168	0.014269	0.000135	0.038085
118	0.017643	-0.014971	0.011244	-0.000735	-0.020531	0.002715	-0.047029	0.013422	0.006387	-0.006656	-0.006071	-0.008699	-0.004985	0.001435
119	0.0293	0.002085	0.007588	-0.007036	0.016714	-0.020719	0.0056	0.005322	-0.004944	-0.013376	-0.018786	0.006616	-0.000381	-0.019626
120	0.000988	-0.009465	-0.005594	-0.013656	0.001528	-0.001645	0.010258	-0.00022	-0.014257	-0.017076	-0.026337	-0.004592	-0.002801	0.010273
121	0.06843	-0.026494	-0.037436	-0.015655	-0.017054	0.001766	0.024836	-0.030365	-0.031847	-0.030923	-0.033329	0.034852	-0.011173	-0.030632
122	-0.026979	0.006914	0.000615	-0.014413	-0.001855	0.002468	0.001515	0.009005	0.014817	0.019251	0.007111	-0.003633	0.00248	0.015175
123	-0.020909	-0.013821	-0.006782	-0.015538	-0.016897	-0.007573	0.017404	-0.002207	-0.005726	0.001768	-0.013626	0.008663	-0.010517	0.006002

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
124	0.010562	0.007146	0.002042	-0.009544	0.038075	0.004478	0.004767	0.001023	-0.006495	-0.011892	-0.002442	0.007377	0.005062	-0.015868
125	-0.002906	-0.007018	-0.000663	-0.011227	-0.015851	-0.003758	-0.022363	-0.002659	-0.003741	-0.004423	-0.003246	0.022117	-0.002786	0.027629
126	0.012846	-0.006582	0.007104	-0.005259	0.028642	0.019657	-0.000813	-0.000685	0.006009	0.006045	0.003067	-0.013915	0.022923	0.013539
127	0.012791	0.005511	0.005927	-0.001509	0.046391	0.011344	-0.000938	0.000516	0.002366	0.00697	-0.003062	-0.027792	0.025993	0.001229
128	-0.002759	-0.007765	0.003599	0.004024	0.016251	-0.014762	0.004372	0.011982	0.011971	0.011948	-0.005582	-0.013195	0.000419	0.011689
129	-0.029836	0.03193	0.004737	-0.006148	-0.064757	-0.030268	-0.034512	0.000578	0.003143	-0.011899	0.021221	0.008318	-0.023173	0.011011
130	0.022485	-0.003831	-0.003661	0.005492	0.000942	-0.017836	0.036455	0.010609	0.003882	0.0066	-0.019335	-0.044206	-0.011575	-0.036648
131	0.062422	-0.011646	-0.007503	0.005952	-0.001251	0.041675	-0.021833	-0.012664	-0.012007	-0.012123	0.035524	0.047371	0.000242	-0.014206
132	0.01171	-0.012602	-0.006424	-0.000552	-0.007775	-0.040933	-0.013684	0.002297	-0.002571	-0.003663	0.000071	0.014059	0.008582	0.007274
133	0.028958	-0.018159	-0.013358	-0.002799	0.000541	0.00987	-0.01162	-0.00445	-0.005723	-0.017438	0.001396	0.044247	0.015985	-0.056569
134	-0.004333	-0.002439	-0.009987	-0.016899	-0.034895	0.014466	-0.013175	-0.014852	-0.021709	-0.026289	-0.010317	-0.012226	-0.016918	-0.023605
135	0.023014	-0.007273	-0.008363	-0.006908	0.035039	-0.013615	-0.014845	-0.007682	-0.019138	-0.016098	-0.010648	0.00755	0.00852	-0.004275
136	0.031241	-0.026698	0.001025	0.002539	-0.037013	-0.042615	-0.030829	0.012838	0.009014	0.008386	-0.021031	-0.053289	0.027935	-0.02401
137	0.000508	-0.005141	-0.003146	0.00031	-0.013924	-0.009551	-0.028777	0.007238	-0.0075	-0.012216	0.002926	-0.001814	-0.008694	-0.028908
138	0.019619	0.027166	0.004828	0.015202	0.032426	0.035847	0.034468	0.018675	0.000812	0.000661	0.006981	-0.055642	0.007522	-0.006877
139	0.0441	-0.010719	0.017828	0.001447	-0.01282	0.009622	0.052256	0.005743	0.02985	0.030829	0.013804	0.032263	-0.010008	-0.021729
140	0.008808	-0.011294	0.004674	-0.017258	-0.062096	-0.056625	0.006716	0.007274	0.002362	-0.006088	-0.024487	0.001704	-0.037348	0.007774
141	-0.015656	-0.0027	-0.010836	-0.008495	0.03229	-0.018845	0.005524	-0.016163	-0.016078	0.010342	0.006388	-0.020593	0.00938	0.005984
142	-0.007043	0.03723	0.012902	0.015868	-0.031518	-0.006534	0.009265	0.020095	0.029444	0.018348	0.012716	-0.022431	0.008505	0.007684
143	-0.063889	0.008912	0.00051	-0.004388	0.00298	0.004524	0.023294	0.002134	0.015717	0.020371	0.000764	-0.011545	-0.0215	0.007967
144	-0.000429	0.010036	-0.00086	-0.000389	0.029847	-0.025329	-0.013461	-0.001514	-0.00477	-0.012722	-0.003256	0.019112	-0.015144	0.011482
145	-0.013142	-0.012156	0.008244	0.02845	0.005334	-0.00852	-0.01729	0.027185	0.027017	0.002446	-0.00797	-0.002317	-0.001396	-0.019908
146	-0.005239	-0.010544	0.003483	0.007096	-0.015951	-0.009591	-0.020512	0.001775	0.003167	-0.006754	0.005467	0.027319	0.007315	0.014774
147	-0.009378	0.003945	0.000948	0.003662	-0.034935	0.032473	0.021273	-0.002824	-0.000742	-0.010088	0.006562	-0.019904	-0.024385	0.016326
148	0.04038	-0.004114	0.0022	-0.001841	-0.004338	-0.026942	-0.054843	0.021567	0.016875	-0.001914	0.023981	0.029237	-0.011289	0.032913
149	-0.034733	-0.011476	-0.00745	-0.006624	-0.000514	-0.007713	-0.001416	-0.009229	0.000359	0.009997	-0.005497	0.004145	0.006913	-0.016623
150	-0.01826	0.003563	0.005618	0.002349	0.009264	0.020458	0.013058	0.010003	-0.000093	-0.004464	-0.008596	-0.060491	-0.019642	0.016177
151	-0.016786	-0.017648	0.007623	-0.007369	-0.030789	0.00588	0.009211	-0.029544	0.019324	0.033932	0.004353	-0.007114	-0.023609	0.013781
152	0.027354	0.007751	-0.004035	-0.007785	0.018533	-0.005749	0.010411	-0.006927	-0.006067	-0.000106	-0.019706	-0.029959	0.018598	-0.000269
153	0.010667	0.01656	0.011791	-0.003587	-0.048882	-0.015727	0.002663	0.004304	0.016648	0.017598	0.006662	-0.002151	0.019215	0.038734
154	0.030549	0.003435	0.002522	-0.002866	-0.015685	-0.014983	-0.02082	0.008742	0.009413	0.003826	-0.011861	-0.035043	0.00308	-0.003334
155	0.021583	0.000559	0.000571	-0.006235	0.011778	-0.025725	-0.049686	0.00877	0.002011	-0.017807	-0.021138	0.01764	0.010427	0.027139
156	-0.042431	-0.009437	0.006364	0.007328	0.017057	0.001062	0.015074	0.009163	0.012387	0.016078	-0.017446	-0.021983	-0.000104	-0.015561
157	-0.033059	-0.009991	-0.000289	-0.014985	0.000958	-0.012201	0.008537	0.002661	0.003887	-0.000977	-0.016366	-0.020441	0.004537	0.015889
158	0.045957	0.02016	0.005555	-0.003458	0.023261	0.048599	0.001125	0.014136	0.000366	0.008446	-0.001244	0.047157	0.036894	-0.003464
159	0.047735	0.001692	-0.015371	0.003378	0.078922	0.059912	0.018062	-0.002463	-0.019525	-0.016796	-0.018905	-0.061813	-0.015868	0.00034
160	-0.007638	-0.017815	0.003936	-0.025763	-0.044113	0.048651	0.048021	0.006487	0.009792	0.025231	-0.005499	-0.004433	0.01084	-0.038036
161	-0.022352	0.020918	-0.005187	-0.003212	-0.007127	0.000343	0.004662	0.007952	-0.008015	-0.019232	0.03119	0.016669	-0.000898	0.027022
162	0.003851	-0.005334	-0.003136	-0.001179	0.009095	0.018407	-0.010997	-0.0059	-0.002694	-0.00017	0.015498	0.044319	-0.019177	-0.017759
163	-0.002713	0.013874	-0.005242	-0.003145	0.016293	-0.007642	-0.010249	0.003245	0.004018	0.001871	0.003674	-0.01006	0.010402	-0.004251
164	-0.022561	-0.002263	0.018699	0.011747	0.023634	0.024326	-0.022285	-0.012418	0.017423	0.017733	0.011351	-0.024005	-0.001091	-0.009666

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
165	-0.010146	0.001745	0.011258	-0.004902	0.019452	-0.009315	-0.025178	0.007715	0.034526	0.013322	0.028264	0.053571	0.02019	0.018628
166	0.03513	0.014278	0.006592	-0.003739	0.027527	0.019286	0.015349	-0.007449	0.000543	0.01196	0.005906	0.013457	0.0292	-0.039483
167	0.01059	-0.00879	0.007318	0.009587	0.026553	-0.033873	-0.015309	0.014119	0.00113	-0.012406	-0.024289	-0.00862	0.004386	-0.012605
168	-0.0105	0.019079	0.016984	0.027576	-0.018217	0.005292	0.020139	0.015661	0.017025	0.02595	0.024553	0.014014	0.007941	-0.000304
169	-0.006105	-0.00315	-0.005562	-0.004115	0.000246	0.00395	0.003681	-0.008987	-0.006054	-0.006391	-0.001924	0.010203	-0.004254	-0.007052
170	-0.009656	-0.001671	-0.004846	0.00542	-0.005755	0.007708	0.018109	-0.006863	-0.001244	-0.00327	0.005154	0.010203	-0.016441	-0.024538
171	-0.003686	-0.004537	-0.007245	0.002102	0.014548	0.009624	0.030047	-0.017354	-0.015887	-0.002167	0.002229	0.002742	0.0101	-0.007655
172	-0.025346	0.000237	0.005862	0.006046	-0.005734	0.020226	0.01601	0.01168	0.004916	0.002463	-0.004499	0.007701	0.009399	0.022197
173	-0.000534	0.007636	0.011761	0.011808	-0.019985	0.025627	0.019216	0.017932	0.016181	0.011479	0.010714	0.04792	0.013145	0.016351
174	0.026248	-0.004053	-0.00274	0.005361	0.009998	0.016665	0.014896	0.003298	-0.00684	0.000589	-0.000113	0.030024	0.002185	-0.001535
175	-0.033393	-0.023233	-0.003204	-0.003586	0.024335	0.042064	0.003713	-0.006436	-0.001012	0.011224	0.014257	-0.015508	0.011678	0.006408
176	-0.018778	-0.030676	-0.021811	0.001608	0.035882	0.004849	0.011979	-0.00577	-0.008702	-0.002324	0.007913	0.001284	0.008777	-0.019948
177	0.061892	0.015152	0.02095	-0.004974	0.090783	0.018023	0.008035	0.004281	-0.016723	-0.02072	-0.014585	0.007727	0.005543	0.024006
178	0.011545	0.009709	0.016532	0.002778	0.038513	0.007062	-0.008488	-0.000102	0.013615	0.009133	0.027142	0.015903	0.010576	-0.005674
179	0.00638	0.006314	0.008536	0.002473	-0.006858	-0.013191	-0.012557	-0.000958	0.008958	0.005647	0.003938	-0.000706	0.003329	-0.001751
180	0.020324	0.004316	0.005211	-0.004907	-0.013592	-0.011865	-0.005385	-0.003009	0.000226	0.000266	0.001214	0.007569	0.000179	-0.017888
181	0.005443	0.004302	0.005094	-0.003785	-0.014903	-0.01021	-0.005817	-0.001464	0.005836	0.001878	0.001738	0.004964	-0.000897	-0.015011
182	-0.00011	0.007782	0.008458	0.006614	-0.014866	-0.014105	-0.001965	0.006686	0.00844	0.005251	0.00707	-0.005302	0.000785	-0.013244
183	0.001458	0.00011	0.006719	0.00841	0.008576	-0.018548	-0.0143	-0.00085	0.000723	0.006729	0.005621	-0.013734	0.013283	0.015618
184	0.012384	-0.011616	-0.011788	0.012248	0.003623	-0.022935	0.007504	-0.003415	-0.008744	0.001653	-0.00283	0.033307	-0.005338	0.006482
185	-0.016806	0.033894	0.010927	0.003937	0.010328	-0.023186	0.024596	0.028167	0.015855	0.011831	-0.010093	-0.017917	-0.017956	0.036971
186	0.017758	-0.007639	-0.007913	-0.009824	-0.065745	0.00159	0.03996	-0.001511	-0.012688	-0.002999	-0.013139	0.008215	-0.008902	0.008683
187	0.020119	0.00409	0.002614	0.003167	-0.013157	-0.006572	-0.026229	0.009103	0.0062	-0.00016	0.00791	0.040474	-0.007474	0.0206
188	0.031388	-0.003103	-0.003141	0.001937	-0.000626	-0.015926	-0.019284	0.005394	-0.002788	-0.00151	0.000961	0.027919	-0.020665	0.00618
189	0.016398	-0.022142	-0.019569	-0.008059	-0.005726	-0.00475	-0.020024	-0.005609	-0.01434	-0.000049	0.007529	-0.00156	-0.025344	0.000239
190	0.002893	-0.023116	-0.011356	-0.003841	-0.001144	-0.004906	0.013234	-0.012467	-0.013032	-0.003041	-0.007956	0.010062	-0.011765	-0.035378
191	-0.019431	-0.016933	-0.009582	-0.021149	-0.01902	-0.018992	-0.009857	-0.013734	-0.014904	-0.010542	-0.016355	0.003746	-0.003674	-0.008468
192	0.010213	0.019833	0.013809	0.017189	0.040461	0.005869	-0.017595	-0.000182	0.011856	0.015666	0.012169	0.009972	0.015847	0.020497
193	-0.007815	0.000939	0.00059	0.012763	-0.001611	0.001549	-0.001361	-0.001172	-0.001314	0.008942	0.010305	0.025903	0.010947	0.019108
194	-0.024434	-0.007622	-0.000686	-0.009432	0.001743	0.00238	0.002439	-0.003171	-0.004077	0.009386	0.002898	0.002713	-0.005905	0.017756
195	-0.009584	0.000028	-0.01213	-0.006112	-0.014811	0.019151	0.011932	0.009384	-0.004547	-0.014313	-0.003032	0.042577	-0.009953	0.012156
196	0.007614	-0.00488	-0.006359	-0.003611	-0.009393	0.010411	0.011743	-0.000503	-0.004281	-0.006746	-0.004812	0.03677	-0.01157	-0.014114
197	0.004596	-0.021007	-0.015913	-0.00771	-0.006381	0.004474	0.00315	-0.015153	-0.018917	-0.016362	-0.016917	0.034518	-0.012973	-0.021639
198	-0.016223	0.013346	-0.000026	0.003468	0.054647	0.028351	0.00262	0.020403	0.004227	-0.008673	0.017644	0.030503	-0.009589	0.053936
199	-0.035894	0.000352	-0.015332	-0.004513	0.005909	-0.010329	-0.007904	-0.014103	-0.004438	0.0136	0.00886	-0.038853	0.019507	-0.008563
200	0.018407	0.005436	0.010362	0.00316	0.012209	0.027949	-0.018815	-0.006918	0.00074	0.000084	0.020977	0.011341	0.029576	0.031053
201	0.023828	0.005433	-0.006069	-0.019069	0.018161	-0.034283	-0.043108	-0.002397	-0.006994	-0.010316	0.032024	0.032827	0.004476	-0.009847
202	0.002905	0.008898	0.013296	0.00527	0.015201	0.031235	0.029214	0.007884	0.011424	0.012213	0.009592	0.028347	0.011687	0.004665
203	0.02564	-0.005182	-0.007398	-0.003133	0.043934	-0.012731	-0.025248	0.005852	0.004104	-0.001191	0.003483	0.016519	-0.01364	0.023069
204	-0.056382	0.004796	0.007646	0.006894	0.021749	-0.001286	0.030064	0.012818	0.015096	0.004491	-0.008683	-0.036685	0.00211	0.029671
205	0.059633	-0.013149	-0.006266	-0.016726	-0.000453	0.002059	0.010492	-0.00028	0.001526	0.012732	-0.013239	0.005216	0.003682	-0.009466

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
206	0.084842	0.02922	0.015126	0.022792	-0.005084	0.003996	0.01539	0.026251	0.011371	-0.002561	0.018486	0.079218	0.003004	-0.017372
207	0.011754	0.003813	0.006981	-0.020329	0.028082	0.005643	-0.009041	-0.00628	0.003018	0.008231	-0.022467	-0.058624	-0.008846	-0.00312
208	0.06566	-0.008395	-0.01817	-0.014853	0.044339	-0.002894	0.007296	-0.000092	-0.018092	-0.022825	-0.036232	0.007867	-0.024448	-0.006062
209	0.062491	0.009863	-0.013569	0.017689	0.019928	0.029059	0.010111	-0.008222	-0.001103	0.006957	0.011543	0.03176	0.031657	-0.019866
210	-0.026547	-0.011905	-0.003608	-0.009248	0.011946	0.022605	-0.05978	-0.017143	-0.014189	-0.010449	0.005104	-0.008202	0.056005	0.053622
211	-0.043915	0.019245	0.039382	0.017453	-0.044779	-0.005622	-0.009579	0.011584	0.037712	0.035482	-0.016244	-0.055697	0.021879	0.020137
212	-0.018224	0.01215	0.006375	0.017849	-0.015566	0.001555	-0.02208	0.005354	0.016203	-0.000728	0.00043	-0.025352	-0.021135	0.025497
213	-0.111935	0.020817	0.032229	-0.010429	0.021159	-0.015364	0.010759	0.01555	0.006216	0.00248	0.002917	-0.055702	0.007448	-0.005035
214	0.006365	-0.001032	0.002852	-0.004711	-0.017717	-0.010389	-0.002791	-0.004752	-0.006163	-0.000529	-0.003042	-0.011349	0.002443	-0.014329
215	0.024062	0.009591	0.005161	-0.017434	-0.02292	-0.003888	-0.013555	-0.01762	-0.011346	-0.005955	-0.012726	-0.016325	0.014884	0.012556
216	0.012847	-0.000833	-0.003612	-0.009147	0.026003	0.022773	0.005247	-0.014907	-0.019307	-0.00351	-0.004251	0.006079	0.000059	-0.006388
217	-0.010833	-0.01192	0.003654	0.009346	0.00482	0.002947	0.027164	0.007047	0.008135	0.011713	-0.009194	-0.010366	-0.01004	0.019098
218	0.010732	-0.005683	-0.006308	0.002782	-0.021081	0.010078	0.018847	0.005168	-0.006405	-0.004535	-0.006059	0.015119	0.002483	0.004858
219	-0.005883	0.000941	-0.002552	0.005577	-0.005959	0.01845	0.015393	0.004186	-0.003572	-0.002773	0.002295	0.017318	-0.000935	0.007108
220	0.010617	-0.014608	-0.009541	-0.001713	0.012743	0.008648	0.010924	0.003199	-0.008491	-0.010458	-0.010692	0.018588	0.001348	0.002319
221	0.017624	0.002612	0.009426	0.004136	-0.002068	0.034515	0.034049	0.015061	0.011444	0.012668	-0.007261	0.012598	0.018908	0.004619
222	0.008567	0.011751	0.007208	0.008661	0.020237	0.021234	0.000867	0.005576	0.007443	0.011442	-0.000405	0.004089	0.024452	0.004308
223	-0.035659	0.00594	0.005829	-0.001262	0.004327	0.017767	0.014144	0.002602	0.005034	0.016178	-0.000159	-0.01203	0.024524	0.005972
224	0.013484	0.012703	0.008539	-0.001467	0.059578	0.027642	0.010039	-0.002593	-0.012298	-0.00294	-0.0124	-0.018915	0.025057	-0.016304
225	-0.003093	0.015426	0.008353	-0.005335	0.055875	0.025341	0.004633	0.002216	-0.016258	-0.010144	-0.019517	-0.034599	0.02321	-0.02104
226	-0.015544	0.002993	-0.005579	0.000664	-0.003362	0.006685	0.000607	0.000546	0.002556	0.003891	0.011518	0.009315	0.007675	0.01071
227	0.03214	0.019171	0.008887	0.006022	0.03978	0.019346	-0.002449	0.003018	-0.003067	-0.008735	0.011349	0.0283	0.010636	0.021662
228	0.00441	-0.000841	-0.004943	0.002492	-0.031705	-0.005839	-0.007115	0.000101	0.002165	0.015178	-0.012151	-0.033591	-0.003773	-0.033563
229	-0.014685	0.015659	0.000142	-0.003754	-0.009428	-0.02154	-0.014955	0.011832	0.00021	-0.003956	0.002476	-0.007589	-0.009182	-0.010325
230	-0.005472	0.01988	0.011552	-0.012127	0.007501	-0.000946	-0.018663	0.000385	-0.007824	-0.005225	-0.000625	-0.009333	0.003726	-0.003963
231	-0.025915	0.001454	-0.005592	0.002536	-0.028751	-0.010522	0.002416	0.005561	0.013457	0.011326	-0.016355	-0.023644	0.006591	-0.014546
232	0.004899	-0.005052	-0.01554	-0.021136	-0.014867	0.007353	-0.03259	-0.007724	-0.007118	0.003621	-0.014268	0.002619	0.000416	0.02189
233	0.007543	0.008538	0.001257	-0.011494	-0.011344	-0.008542	-0.044653	0.005355	0.005971	-0.006502	0.011732	0.00498	0.0027	0.042936
234	0.017573	0.011639	0.001044	0.012994	-0.018113	0.002934	-0.01863	0.005409	0.00573	-0.007107	0.005994	-0.003456	-0.010397	-0.022137
235	-0.01662	0.008447	0.007178	0.020239	-0.026039	-0.010291	-0.010993	0.015738	0.023631	0.006536	-0.003961	-0.034529	0.011348	-0.022736
236	-0.019104	-0.008768	-0.006873	-0.002608	-0.00142	-0.00196	-0.01386	-0.009597	-0.006528	-0.00272	0.004113	0.011911	0.005141	0.003547
237	-0.003412	-0.011934	-0.003037	-0.004376	0.002307	-0.002308	-0.00656	-0.00893	-0.013782	-0.013218	-0.0076	-0.007554	-0.033761	-0.016009
238	-0.015495	-0.007839	-0.001066	-0.007371	-0.012211	-0.002147	-0.008844	-0.004342	-0.006813	-0.004497	-0.013136	-0.023139	-0.019395	-0.006661
239	-0.016885	-0.000129	-0.00187	-0.004227	-0.009554	-0.009297	-0.00946	0.003896	0.006133	0.005215	-0.006808	-0.024301	0.001815	0.005921
240	0.031276	-0.013011	-0.00534	-0.001118	0.010418	-0.010145	-0.015112	-0.008116	0.008393	0.007953	0.002704	0.023231	-0.009844	0.020096
241	0.026752	-0.011213	-0.00962	-0.01092	0.025888	-0.011502	-0.031851	-0.015875	-0.012574	-0.013139	-0.00597	-0.009323	-0.007922	0.011764
242	0.009998	0.008688	0.010583	0.007641	-0.008015	-0.010869	-0.009686	0.011886	0.020775	0.014411	0.00199	-0.008216	0.006452	-0.01285
243	-0.007294	0.016389	0.019925	0.018342	-0.023499	0.006476	0.002723	0.017682	0.028696	0.029888	0.002329	-0.036177	0.00772	-0.006551
244	0.021836	0.007789	0.004129	-0.006668	0.0075	0.00518	0.002306	0.002792	-0.0016	0.001486	-0.011166	-0.002319	0.006678	0.00832
245	0.016538	0.008466	-0.003868	-0.008492	0.034136	-0.022282	-0.002094	-0.006539	-0.00791	-0.003593	-0.011995	0.001626	-0.016982	0.009659
246	0.016642	0.00205	-0.002465	0.001486	0.002284	-0.002211	-0.010843	0.001909	0.002539	-0.008889	0.016123	0.012359	-0.013786	-0.001238

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
247	-0.017761	0.001891	0.007305	0.007502	-0.005215	-0.00186	-0.003711	0.011012	0.010767	0.003053	0.016459	0.016152	0.004531	0.005375
248	-0.010081	0.000292	0.00187	0.000677	-0.014125	-0.007714	-0.011884	0.007726	-0.001673	-0.005702	-0.001588	0.023168	0.005285	0.014072
249	0.013918	-0.006477	-0.011916	0.003157	0.012714	-0.002095	-0.013922	-0.01043	-0.006048	-0.004291	-0.00284	0.006472	-0.015185	0.019251
250	0.014672	-0.007376	-0.001026	-0.000422	0.010746	-0.004366	-0.01425	-0.007435	0.00033	0.001096	0.006216	0.003435	0.003575	0.013769
251	0.017712	-0.001361	0.003425	0.00213	0.024362	-0.007918	-0.0059	0.000039	0.002511	-0.002728	-0.005715	0.001867	0.002719	-0.002088
252	0.003751	0.011585	0.001193	0.003639	0.017796	-0.031178	-0.003417	0.006164	0.002408	-0.001174	-0.01859	-0.006624	-0.007715	0.008472
253	-0.017496	0.003872	0.00061	-0.007742	0.002521	-0.012216	-0.009813	-0.010818	-0.009087	0.007174	-0.010962	-0.048656	-0.004246	-0.01562
254	-0.026623	0.011412	0.004673	0.004581	-0.004491	0.006718	0.005075	0.000595	0.00492	0.00579	0.001927	-0.019649	0.00368	0.009012
255	0.016052	0.006742	0.005405	0.004848	-0.00014	0.011704	0.007126	0.007227	0.007326	0.000359	0.002895	0.005453	-0.008241	0.00728
256	0.043703	-0.00738	-0.011232	-0.004776	0.023621	-0.012264	0.020852	-0.003688	-0.017834	-0.015488	-0.013574	0.022058	-0.025567	-0.005209
257	-0.023389	-0.001801	0.005741	-0.002772	0.001281	0.005723	0.015607	0.004419	0.011324	0.003843	0.002181	0.003116	0.009059	0.011782
258	-0.022099	-0.011296	0.003303	0.0045	0.009142	0.008175	0.008541	-0.010943	0.000871	0.006503	-0.001012	0.00256	0.024091	-0.012272
259	0.00913	0.008872	0.006216	0.011936	0.013132	-0.007989	-0.012478	0.00055	0.001299	0.00231	-0.000317	-0.0114	0.011701	0.00208
260	0.000879	0.011413	0.000355	0.010019	0.010886	-0.036588	-0.010205	0.0114	-0.002309	-0.001437	-0.008635	-0.023184	0.006794	-0.003609
261	0.01836	-0.00325	-0.001654	0.016913	-0.011169	-0.027848	0.000532	0.011754	0.005914	-0.000212	-0.008061	0.008544	-0.011576	-0.02501
262	-0.002543	0.002317	0.006708	0.008405	-0.002226	-0.006408	0.008117	0.011967	0.015931	0.015171	0.003759	0.004902	0.00836	-0.010643
263	-0.017596	0.005709	0.01122	0.008868	-0.017928	-0.015834	-0.004217	0.009156	0.015897	0.012191	0.002571	0.001628	0.00961	-0.002968
264	0.017353	-0.001197	-0.004418	0.013641	0.01128	0.011744	-0.011399	-0.006838	-0.008644	-0.005942	0.00069	-0.017329	0.009379	-0.001883
265	-0.026905	0.005688	-0.00655	0.014146	-0.01118	0.015711	0.012991	-0.00058	-0.00864	-0.004116	0.008335	-0.028584	0.006216	-0.002875
266	-0.023336	0.008179	-0.004127	0.010744	-0.010784	0.00955	0.02753	0.008221	0.000502	0.000045	0.003311	-0.001395	-0.01864	-0.008228
267	0.021626	0.004081	-0.00765	0.001885	-0.004396	-0.016781	-0.003747	0.003778	-0.007259	0.009273	0.010029	-0.007134	0.0098	-0.006911
268	-0.007212	0.004828	-0.0079	0.000435	0.007573	0.008125	-0.005705	-0.003913	-0.000613	0.001047	0.012529	0.001297	0.012293	0.015058
269	-0.008465	0.003544	-0.006471	-0.005706	0.003631	0.007053	0.000421	-0.00396	-0.006639	-0.00391	0.00017	-0.005145	0.003412	0.006026
270	0.015241	0.006038	-0.002996	0.002538	0.009852	0.002213	-0.003866	0.000537	-0.002215	-0.003553	0.012022	0.029849	0.003397	0.015934
271	-0.048714	0.00775	0.007339	0.019797	-0.025674	-0.02566	0.005692	0.010912	0.023881	0.033675	0.032324	-0.017386	0.005672	-0.003988
272	-0.018327	0.004662	0.000373	0.00745	-0.019451	-0.0231	-0.007258	0.015885	0.011848	0.008735	0.00749	-0.002592	-0.000514	-0.015599
273	-0.01127	0.004867	0.001147	-0.004965	-0.007979	-0.010325	-0.009572	0.002366	-0.000815	-0.005128	0.002224	-0.000478	0.017914	0.003441
274	-0.009388	0.005258	0.002927	-0.004572	-0.009318	-0.009079	-0.008055	0.003485	-0.000185	-0.005452	0.002375	-0.002951	0.014654	-0.002943
275	0.040546	0.012169	0.010577	0.001611	0.005177	-0.008123	-0.018386	0.006893	-0.003816	-0.008927	0.013527	0.048556	0.000432	0.016389
276	-0.012943	-0.011631	-0.009562	0.00186	-0.000926	-0.013406	-0.022688	-0.007097	-0.000201	0.002005	0.004751	0.014071	0.006256	-0.011704
277	0.003726	0.00523	0.001303	0.004125	-0.010193	-0.01235	-0.005806	0.002389	0.00086	0.000277	0.000778	-0.000016	-0.003124	-0.013759
278	0.007259	0.004697	0.001499	-0.003022	-0.010673	-0.020997	-0.009532	0.001244	-0.006652	-0.002639	-0.004476	-0.004301	0.003305	-0.019546
279	-0.000176	-0.00182	-0.00156	0.001977	-0.024132	-0.007822	-0.007382	0.001978	0.008287	0.010038	-0.003024	-0.005323	-0.001969	-0.0032
280	0.008969	0.009897	0.012128	0.01129	-0.00505	0.017394	-0.012452	-0.000032	0.012763	0.0235	0.009209	-0.027503	0.015565	-0.027033
281	0.005686	-0.000204	-0.001222	0.002943	0.000857	-0.003839	-0.005932	-0.002718	0.002846	0.003635	0.018266	0.008377	0.016002	-0.017699
282	0.004704	-0.000934	0.001336	0.002812	0.001578	-0.004673	0.000846	-0.007356	0.001705	0.00744	0.016265	0.007216	0.032122	-0.024716
283	-0.008	-0.001437	0.008076	0.013459	-0.020237	-0.008738	0.009052	0.012095	0.010415	0.009895	0.016307	0.026999	0.01538	-0.007951
284	-0.005503	-0.007468	0.003474	0.002099	-0.006341	0.002643	0.011615	-0.000272	0.006553	0.004669	0.000549	0.00314	0.015135	-0.001551
285	-0.007038	-0.00487	0.001681	-0.00405	-0.006663	-0.002148	0.013124	-0.002867	0.003483	0.002367	-0.000915	-0.00557	0.01312	-0.000806
286	-0.017903	-0.006361	0.012273	0.008072	0.005344	0.011876	0.009263	-0.009561	0.00949	0.012313	0.001466	-0.000545	0.026518	-0.011245
287	-0.017057	-0.009038	0.00895	0.003402	0.0035	0.005327	0.008822	-0.011561	0.004749	0.011448	0.000434	0.002703	0.021324	-0.010958

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
288	0.01426	-0.017854	0.001312	0.005379	0.006268	-0.004447	0.007138	-0.015024	-0.008064	0.00324	-0.002252	0.018609	0.012624	-0.031325
289	0.000447	-0.00248	-0.001213	0.008178	0.013821	0.008565	0.007874	0.004164	0.007664	0.005023	0.019791	0.032332	0.012332	-0.006098
290	0.011416	-0.001871	0.006119	0.006275	0.021477	-0.003954	0.009872	-0.003815	-0.004046	-0.000634	0.00006	-0.002498	-0.017985	0.004012
291	0.009521	-0.000584	0.00828	0.008683	0.016959	-0.003497	0.013304	-0.001744	0.000041	0.00279	0.001139	-0.001419	-0.018598	0.005073
292	0.005011	-0.000818	0.010362	0.008056	0.009313	0.000162	0.009697	0.000006	0.008534	0.008375	0.000418	-0.009096	-0.024101	0.011147
293	0.010529	-0.001808	0.011179	0.010794	-0.014906	0.018781	0.007667	0.001457	0.015477	0.012124	0.017785	0.000918	0.00751	0.029814
294	0.033057	0.000271	-0.003929	0.007387	-0.011561	0.003949	0.002863	0.000926	-0.003999	-0.000281	0.01006	0.012295	0.008495	0.008338
295	0.00446	0.005811	0.013925	0.004544	-0.011797	-0.012352	0.016822	0.016049	0.019397	0.012007	0.006888	-0.010991	0.00455	0.001102
296	0.022084	0.012324	0.005865	0.003053	-0.022316	-0.035039	-0.011436	0.024057	0.006448	-0.001515	0.008426	0.022211	-0.011074	-0.003757
297	0.011041	-0.004151	0.002084	-0.009146	0.012124	-0.019554	0.01156	0.006593	0.005148	0.005227	-0.010735	-0.029974	0.003198	-0.018004
298	-0.01459	0.015944	0.013415	0.010293	-0.012595	0.004547	-0.007783	0.007532	0.002961	0.013723	0.011225	0.004889	0.002597	0.0196
299	-0.017552	-0.00113	-0.003905	-0.006681	0.033947	0.000689	0.00186	-0.004014	-0.000499	0.011253	-0.002807	-0.039382	0.01124	-0.000433
300	-0.02345	-0.007886	0.009062	0.013688	-0.045275	0.002848	-0.005617	-0.010168	0.014662	0.01723	0.014764	0.019518	-0.016629	-0.048782
301	-0.000249	0.003513	0.002067	0.00053	0.021733	0.004755	0.015036	0.006045	0.000515	0.004498	0.001321	-0.03009	0.007988	0.007151
302	0.013928	0.003426	-0.000639	0.002534	0.037437	0.008366	0.012213	0.006087	0.002447	0.003256	0.008051	-0.007766	0.004749	0.002084
303	-0.015383	-0.000535	-0.000158	-0.001951	0.033077	0.011809	-0.00143	-0.001509	0.003971	0.021769	-0.007759	-0.040377	0.011898	-0.008337
304	0.01061	-0.000113	-0.001757	-0.005814	0.057087	0.005903	-0.01255	-0.011004	-0.011129	0.007255	-0.002171	-0.012429	0.005361	-0.012928
305	-0.013989	-0.002589	0.01068	0.006534	-0.025939	0.03035	0.024248	0.015751	0.015537	0.006342	0.011135	-0.021829	-0.006826	-0.007936
306	0.011669	-0.024692	-0.006451	0.014831	0.008774	0.027478	0.021056	-0.003996	-0.005358	-0.010227	0.00853	0.017788	-0.005483	0.009367
307	0.032778	-0.015897	-0.00185	-0.00801	0.009989	0.004626	0.019848	-0.032358	-0.001006	0.027802	-0.023398	0.013301	-0.008144	-0.023894
308	-0.011789	-0.000347	-0.001634	-0.018467	-0.001583	-0.003264	-0.047133	-0.006922	0.001872	-0.011866	0.011946	0.052697	-0.016615	0.021034
309	-0.011013	0.000909	-0.001387	-0.002074	-0.030633	-0.022098	0.009998	0.001052	-0.006246	-0.002656	-0.005347	-0.010902	-0.012691	-0.003384
310	-0.012354	0.010498	0.008868	0.00873	-0.039158	-0.020523	-0.004362	0.005506	-0.000765	0.008506	0.009408	-0.033212	0.009041	0.022756
311	-0.003441	0.007815	0.00211	0.001509	0.007526	-0.003097	-0.012511	-0.004202	-0.007406	-0.012358	0.004187	0.000022	-0.005004	0.011587
312	-0.000066	0.00377	0.001434	-0.03526	0.045368	0.026154	-0.003161	0.002484	0.000331	0.002546	-0.004618	0.005895	-0.009793	-0.028755
313	-0.000104	0.00531	0.009075	0.007016	-0.00381	-0.011577	-0.029489	0.007661	-0.004631	-0.027049	-0.002643	0.023061	-0.011635	0.006446
314	0.003459	-0.016426	0.00339	-0.008846	0.02076	0.001979	0.005297	-0.012842	0.002153	0.009385	-0.015643	-0.001561	-0.026068	0.005073
315	-0.019695	0.00167	0.00437	-0.000328	-0.007813	-0.006152	0.005623	0.001911	0.007451	0.008975	-0.000331	-0.009085	-0.009411	-0.010258
316	0.042315	0.003081	0.009219	0.005014	-0.01247	0.016948	0.027101	0.031624	-0.000612	-0.00616	-0.018437	-0.041167	-0.03289	-0.004456
317	-0.032786	0.012354	0.008063	0.007303	-0.047649	-0.027954	0.018194	0.013973	0.009202	0.006378	0.004551	-0.006094	-0.00641	0.009058
318	0.003508	0.016158	0.004252	-0.009939	0.019194	-0.018183	0.00707	-0.001644	-0.003585	0.000388	0.001053	-0.006189	-0.002026	0.019246
319	-0.040914	0.006194	0.002733	-0.001766	-0.012798	-0.003511	0.02709	0.000465	0.000313	0.008199	-0.012457	-0.030604	0.000613	-0.00851
320	-0.012332	0.010471	0.002512	0.003939	-0.000043	0.006947	0.009296	0.006152	-0.004357	-0.01749	-0.003084	-0.002279	0.008283	0.023515
321	0.064938	-0.014178	-0.013162	0.002461	0.039957	-0.017941	-0.014044	-0.01572	-0.011365	-0.004183	-0.013999	0.001707	0.015987	-0.014358
322	-0.006111	0.000313	0.005722	0.012941	-0.015322	0.002775	-0.006581	0.010008	0.007524	0.023168	0.018675	-0.027479	0.029284	-0.002234
323	-0.007865	0.015282	0.007331	0.002569	0.036098	0.025422	-0.014573	-0.003757	0.003361	-0.002306	-0.001894	-0.026142	0.017162	0.01004
324	0.027389	-0.023674	-0.020314	-0.00721	0.021852	-0.010272	-0.01242	-0.01372	-0.012081	0.000237	0.007939	-0.01131	-0.01174	-0.000587
325	0.022183	-0.012345	-0.017556	0.001394	-0.035858	-0.025279	-0.004729	0.002208	-0.01584	-0.011361	-0.010374	0.003609	-0.013356	-0.01657
326	-0.027784	0.001945	0.005024	0.015916	-0.028886	-0.025368	-0.018929	0.002887	0.002793	-0.004015	0.003261	0.033005	-0.019386	0.0295
327	-0.005822	0.010866	0.006976	0.008064	-0.007877	-0.002742	-0.008542	0.010252	0.011495	0.006302	0.005876	-0.009709	0.004256	-0.000074
328	-0.000289	-0.004961	0.002163	0.020553	-0.092326	0.00297	0.009271	0.010069	0.005364	-0.005448	0.013654	0.053773	-0.036931	-0.030633

	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ
329	-0.02702	0.016703	0.005015	0.00744	0.006282	0.000979	-0.017118	0.014898	0.019367	0.00307	0.007519	0.001641	0.006282	0.015714
330	0.001421	-0.002569	-0.010188	0.013991	0.007524	-0.038489	-0.021	0.001655	-0.01049	-0.008458	-0.000395	-0.023383	0.009533	-0.00406
331	0.008224	-0.000705	0.000942	0.009599	-0.001541	0.009731	-0.007318	-0.004228	0.006831	0.010919	0.008452	0.014797	0.000989	0.00579
332	0.000158	-0.005103	-0.003981	0.013117	-0.011675	-0.019391	0.015974	-0.019774	-0.020544	-0.009282	-0.015291	-0.034711	-0.015504	-0.044562
333	0.030733	-0.003734	-0.015089	-0.002783	-0.000665	-0.012737	0.001097	-0.006192	-0.015179	-0.011355	-0.007088	0.025378	-0.014272	0.002688
334	0.026538	0.008669	0.00209	0.006342	-0.013346	-0.024874	0.008625	0.031638	0.018095	0.002432	0.002678	0.026369	-0.00544	-0.007369
335	-0.00176	-0.000453	-0.010456	-0.001306	0.001064	0.011405	-0.001419	-0.014713	-0.021005	-0.015029	-0.008942	-0.008426	-0.00296	0.011214
336	0.005835	-0.007039	0.000061	0.000422	0.018234	0.004155	0.01202	-0.009196	-0.023028	-0.000923	0.010653	0.014737	-0.001605	0.006964
337	-0.018437	0.00148	-0.00906	0.000952	0.015971	0.00425	0.029354	0.004219	-0.000903	0.002129	0.00437	-0.023251	-0.023898	-0.008276
338	-0.036141	0.020061	0.004631	-0.008918	-0.024769	0.027042	-0.01063	0.008006	0.003598	-0.001768	0.003045	0.006957	-0.012038	0.0304
339	0.01945	-0.000259	0.002496	0.006366	0.031663	0.01585	0.021776	-0.005822	0.005298	0.005221	-0.009403	0.010463	0.000195	-0.024349
340	-0.048156	0.02531	0.013637	-0.011819	-0.030839	-0.026547	-0.006599	0.022917	0.023275	0.008062	-0.002756	-0.010713	-0.030164	0.009031

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
1	-0.063541	-0.066896	-0.018596	0.012904	-0.013668	0.034279	0.052207	-0.113455	-0.060846	0.012057	-0.027344	0.014357	0.024303	-0.032834
2	-0.031712	0.119365	-0.008381	0.072252	0.003514	0.097712	0.059483	0.112097	0.042507	0.024264	0.03955	-0.023483	-0.044921	-0.016026
3	0.011909	-0.079622	-0.039148	0.008872	-0.069688	0.010554	-0.011569	-0.006864	0.037947	-0.000118	-0.08079	0.005832	-0.058419	-0.073527
4	-0.141534	0.009463	-0.02303	-0.032974	-0.015103	-0.055616	-0.012946	-0.038035	-0.018334	0.044546	0.0932	0.090273	0.003323	0.12321
5	-0.017848	-0.102935	-0.01519	-0.020426	-0.043595	-0.026367	-0.013848	0.015566	-0.032569	-0.025663	-0.00861	0.042188	0.028861	0.116588
6	-0.005383	0.024559	0.094896	0.004441	0.0558	0.04156	0.014753	0.007169	-0.006784	-0.057558	-0.051782	0.022124	0.081867	-0.006603
7	0.035768	-0.065363	-0.052357	-0.044619	-0.015872	-0.043355	-0.031944	0.006064	0.068529	-0.006503	0.091157	0.049596	-0.019011	-0.033258
8	-0.120913	-0.079138	0.084342	0.012473	0.050335	-0.039128	-0.00561	-0.005499	0.035431	0.027993	-0.046993	0.049783	0.0227	0.045745
9	0.009666	-0.064648	0.00493	-0.047241	0.029876	-0.024361	-0.041687	0.017282	0.030879	0.031445	-0.187455	0.116654	0.111435	-0.013895
10	-0.026031	-0.01644	-0.053283	-0.007139	-0.028193	-0.009044	-0.016788	-0.075949	-0.02098	-0.040877	-0.027765	0.075488	0.0268	0.000049
11	-0.03509	-0.072499	0.00103	-0.011069	0.036446	-0.021967	-0.046611	-0.036935	0.017073	0.024611	-0.020244	-0.004166	-0.08501	-0.023422
12	0.028634	0.034598	0.015499	0.028316	0.017598	0.016922	0.030212	0.09575	0.01666	-0.043076	-0.084954	0.037726	0.014585	0.019596
13	0.140029	0.07769	0.059866	-0.046338	0.057573	0.028866	-0.058309	0.14778	-0.006013	0.045165	-0.077233	0.014992	0.085456	-0.047007
14	-0.115786	-0.056799	-0.00377	-0.005913	-0.041913	-0.002336	0.040055	-0.027551	0.006791	0.041776	0.078054	0.002642	-0.019434	0.008711
15	0.010756	0.034447	0.006758	0.007334	-0.031727	-0.051248	0.01125	0.059097	0.017832	-0.0194	-0.05859	0.005317	0.003319	-0.040399
16	0.000583	0.106294	0.004369	0.002713	0.030915	0.005896	0.007707	0.032226	-0.094127	-0.021964	0.018776	-0.01517	-0.02811	0.024912
17	-0.043609	0.005033	-0.027311	0.028751	-0.049442	0.001287	0.048834	-0.098821	-0.102152	-0.010462	0.035153	0.011095	0.026057	0.070376
18	-0.02381	0.077468	0.029389	-0.019761	-0.002874	0.015087	-0.015258	0.023534	-0.003518	-0.012739	-0.154107	0.018745	-0.042212	-0.061936
19	0.033047	-0.108729	0.007054	0.026185	-0.038351	-0.064501	-0.006262	-0.023062	-0.012332	-0.029636	0.077056	-0.014027	-0.085714	-0.086155
20	0.07597	0.07326	-0.052935	-0.019835	-0.007847	-0.019324	-0.049507	0.002223	0.004955	0.013879	0.064323	-0.02549	-0.070102	0.071321
21	0.015981	-0.016377	-0.038294	0.030412	-0.007458	0.0213	0.033723	-0.042943	-0.099506	-0.01507	-0.082447	-0.091825	-0.039094	-0.085422
22	-0.089897	0.078826	0.099293	0.011891	0.045877	0.04612	-0.030429	-0.081732	-0.039719	-0.04716	-0.020874	0.026391	0.026504	-0.097029
23	-0.070864	-0.02546	-0.140429	-0.040723	-0.078061	-0.043364	-0.016785	-0.033676	-0.056074	-0.102092	-0.040804	0.100836	0.03959	-0.032281
24	0.032297	0.011675	0.00515	0.033069	0.02815	-0.042251	0.084316	-0.051388	0.030524	0.060922	0.047538	-0.01959	-0.01441	-0.054048
25	0.055086	0.0107	-0.014804	-0.001556	-0.004557	0.000879	0.012591	0.055787	0.107419	0.07212	0.053754	0.063834	-0.03538	0.074609
26	-0.054972	-0.006828	0.018492	0.009854	-0.023867	-0.062972	0.032273	-0.034142	0.012068	0.013766	0.002307	0.03298	0.012775	0.088424
27	0.02473	0.021984	0.023386	0.02168	0.051063	0.105355	0.016755	0.017989	0.029952	0.068044	0.085011	-0.152226	-0.05981	-0.026852
28	-0.060452	0.028241	0.031316	0.035621	-0.014396	-0.050419	0.061002	0.004406	-0.002688	0.030693	0.042442	0.025615	0.015051	0.003121
29	0.009097	-0.058912	-0.004289	-0.00233	-0.003194	-0.018519	0.014928	-0.011387	-0.011255	-0.014592	-0.036762	-0.00996	-0.003058	-0.037418
30	0.025563	-0.001462	0.052171	-0.055721	0.014097	-0.015445	-0.042904	0.127545	0.071102	0.039694	0.046036	-0.15779	-0.076644	-0.036175
31	0.049582	0.008897	0.017201	-0.025076	-0.018861	-0.021417	-0.034194	-0.057192	-0.02197	-0.083666	-0.036102	0.002501	0.130186	0.053013
32	-0.071839	0.023971	-0.0492	-0.039116	-0.030042	-0.007684	-0.007734	-0.02001	-0.023002	-0.056737	-0.031748	0.036985	-0.037292	-0.002086
33	-0.027775	0.056603	-0.021796	0.076417	-0.00857	0.026657	0.059193	0.019452	0.120977	-0.049614	0.136362	-0.023672	0.046778	0.027373
34	-0.086047	-0.037043	-0.018693	0.042517	0.013412	0.00536	0.033121	-0.01557	-0.136451	-0.023551	0.053878	0.025659	0.031984	-0.069116
35	-0.146939	-0.035256	-0.052588	-0.003549	-0.005376	0.005439	-0.043189	-0.073089	-0.095858	-0.069638	0.103675	-0.000856	0.049614	-0.044014
36	0.044179	-0.104259	-0.016608	-0.033804	-0.075102	-0.022883	0.005026	-0.008575	0.077311	-0.05372	-0.060412	-0.052742	-0.104266	-0.056658
37	0.082133	-0.061304	0.043744	0.006139	0.047782	-0.007725	-0.022298	0.082317	0.085578	0.057706	-0.20643	-0.007355	-0.027312	-0.031098
38	0.043239	-0.00763	-0.019294	0.030077	-0.024234	0.038541	0.023021	0.04489	0.035054	-0.007114	-0.032522	0.041795	-0.085571	0.077508
39	0.022746	0.023057	0.017392	0.006415	-0.02126	0.073721	0.023655	0.05283	-0.055438	0.064563	0.080217	-0.060645	0.015337	-0.048048
40	-0.006915	-0.036953	-0.012462	-0.014605	-0.011358	-0.000056	-0.009093	-0.034923	-0.003673	-0.008716	-0.017761	0.023985	0.007375	-0.017446
41	-0.10344	0.016851	-0.007304	-0.064519	0.034831	-0.052097	-0.054839	0.036178	-0.020859	0.027958	-0.016955	-0.002402	0.035143	0.057819

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
42	-0.04359	-0.026838	-0.058652	0.03225	-0.020993	-0.028112	0.054428	-0.107171	-0.135102	0.023872	-0.058284	-0.017913	-0.005871	0.020336
43	-0.041333	0.059012	-0.00375	-0.055854	0.020979	-0.057821	-0.005451	-0.033542	-0.080785	-0.125404	0.132143	-0.017261	0.054609	0.048404
44	0.015488	0.047643	-0.018538	-0.011252	0.003095	0.017056	-0.033989	0.019392	-0.148433	-0.028588	0.025392	-0.068834	0.004791	0.051054
45	-0.038431	-0.045938	0.076471	-0.006025	-0.00156	0.007796	0.016762	0.004033	0.176738	0.035601	-0.014594	0.038408	0.015731	-0.054002
46	0.024399	-0.032839	0.055085	-0.007138	0.038673	-0.021732	0.015213	0.115924	0.013343	0.001648	-0.065708	-0.073152	0.029844	0.016439
47	-0.038673	-0.086578	0.009067	-0.011089	-0.000142	0.050005	0.045602	0.002822	-0.064818	0.000629	-0.017853	0.033305	0.120718	-0.04052
48	0.13956	-0.125329	0.000564	0.054564	-0.011511	0.006428	0.074852	-0.06556	0.038278	-0.061405	-0.117097	0.042332	-0.029372	0.045463
49	0.108143	-0.001281	-0.051657	0.049168	-0.035736	-0.004312	0.01258	-0.038568	-0.022789	-0.061198	-0.026447	0.076909	0.024103	-0.079778
50	-0.02541	0.034771	0.030557	0.023561	-0.045139	0.026996	0.019048	0.076796	0.074933	0.038707	0.080376	0.018296	0.005052	-0.155282
51	-0.058086	0.006901	0.032181	0.029202	0.015422	-0.058196	0.040286	-0.084862	-0.106262	-0.089426	-0.061156	-0.054441	-0.060565	-0.035987
52	-0.015952	0.031948	0.013515	0.040648	0.023285	-0.041274	0.098076	-0.02576	0.045431	-0.037993	-0.072374	-0.027226	0.045093	0.064001
53	0.03608	-0.067125	0.011165	0.040014	-0.016705	-0.04279	0.068499	0.034472	0.044714	0.048978	0.027846	-0.012953	-0.030244	0.098388
54	0.007365	-0.129495	-0.075075	-0.008796	-0.018962	0.010532	-0.035665	-0.021348	0.113827	-0.091799	0.111137	0.078103	0.003153	-0.081087
55	-0.012932	0.152099	-0.07251	0.001908	-0.007629	0.048345	-0.031899	0.071048	0.021118	-0.006728	0.025498	-0.027392	-0.12433	-0.018099
56	-0.024748	-0.057763	0.020561	0.091283	-0.004136	0.101932	0.090099	0.015523	0.010057	-0.073914	0.053172	-0.068015	-0.036157	0.090804
57	0.008659	-0.087762	-0.064402	0.049916	-0.021452	0.020692	0.018733	-0.046399	0.002863	0.024014	0.10167	-0.021704	0.027305	-0.058136
58	-0.089833	0.006972	-0.005336	0.033295	-0.011647	0.035607	-0.022851	0.153212	-0.056523	-0.133488	0.024278	0.116294	0.002041	-0.019028
59	-0.008853	0.006358	0.048532	0.005447	0.006436	-0.011481	0.02685	0.074668	0.027693	0.010145	0.011033	0.102328	-0.023761	0.016594
60	0.037114	-0.010455	-0.009031	0.022659	0.000429	0.021633	0.014345	0.027431	0.014677	0.005071	-0.029565	-0.002889	-0.013025	0.036288
61	0.006389	-0.019943	-0.021595	0.002904	-0.001681	-0.015552	-0.004398	-0.039759	-0.001921	-0.004107	0.025429	0.033738	0.017446	0.011335
62	0.014709	0.059099	0.018811	0.015311	0.029885	-0.000429	0.00628	0.03877	0.027278	-0.008041	-0.035368	-0.024668	-0.007994	0.000799
63	0.006826	-0.017158	-0.014688	-0.000259	0.005679	-0.027615	-0.011111	-0.052171	0.001072	0.010273	0.01982	-0.010363	-0.007817	0.008734
64	0.016357	-0.016804	-0.01796	-0.017524	0.0059	-0.00914	-0.023135	0.011468	-0.002155	0.009529	0.01764	-0.015582	0.02201	-0.022548
65	0.046693	0.016552	-0.011564	0.015785	-0.014443	0.020554	0.017859	0.046658	0.021257	-0.029442	-0.033011	0.013764	-0.001623	-0.001725
66	-0.014905	-0.010364	-0.013995	-0.010684	-0.003848	-0.002976	-0.018171	0.041621	0.016774	-0.017698	0.031448	-0.018244	-0.017185	0.01107
67	-0.006071	-0.020324	0.008447	-0.024617	0.003759	-0.01373	-0.034623	-0.001675	0.012386	-0.007039	0.01514	0.007019	0.008339	-0.002816
68	-0.055982	0.029805	-0.002966	0.027744	-0.004421	0.018757	0.014347	0.005236	-0.055162	0.010351	-0.021555	0.047122	0.01442	-0.009977
69	-0.035823	0.011087	0.008888	0.011663	-0.008624	0.000415	0.021926	-0.010535	-0.015374	-0.007009	0.016597	0.034115	0.016219	0.01488
70	0.009485	-0.029961	-0.002628	0.014646	-0.000635	-0.00467	0.004157	-0.014371	-0.006777	0.005148	-0.01038	0.005697	0.00101	0.018413
71	-0.013551	-0.010997	0.020781	-0.003555	0.005999	0.010853	-0.008521	0.015415	-0.002335	-0.002986	-0.037673	0.015457	-0.01206	-0.014853
72	0.003204	-0.014756	0.001878	-0.011766	-0.012328	-0.013699	-0.002072	0.008574	0.017973	0.007676	0.000915	0.025624	-0.019924	0.024766
73	-0.041501	-0.039627	-0.005356	-0.001867	-0.016124	0.002756	0.001773	0.006388	0.020878	-0.009433	-0.030736	0.008045	-0.047398	0.025035
74	0.007953	-0.020888	-0.030136	-0.005316	-0.019485	-0.01858	-0.028893	0.008735	0.022871	-0.036446	0.029299	0.034553	-0.000128	-0.033301
75	0.016028	-0.012874	0.007648	0.004546	0.004166	0.002876	0.001644	0.007002	-0.013754	-0.005009	-0.025731	-0.001746	0.005968	0.006397
76	0.031145	-0.006213	-0.007038	-0.00509	-0.001978	-0.013157	-0.01075	-0.001099	0.050406	-0.007571	-0.002488	0.005509	-0.008904	-0.016851
77	0.014812	-0.007523	0.011906	0.007281	0.002689	0.00388	-0.000254	0.001992	-0.012237	-0.005932	-0.019852	-0.000639	-0.000848	0.005921
78	0.021627	-0.004856	0.016142	0.009911	0.009517	0.004603	0.002278	0.011762	-0.01769	-0.003615	-0.036987	0.002493	-0.004138	0.017817
79	-0.004034	-0.034057	0.000187	0.008038	-0.003795	-0.002085	0.013052	0.012972	0.004252	0.002412	0.000941	0.00031	0.024821	-0.004085
80	0.009747	-0.027712	-0.031537	-0.033978	0.007558	0.001158	-0.045417	-0.008939	-0.024247	-0.028864	-0.006202	-0.00346	-0.011603	-0.075777
81	-0.006867	0.042139	-0.038554	-0.018336	-0.024354	-0.011798	-0.02841	-0.065135	-0.026739	-0.027303	0.037031	0.024021	-0.012373	0.000452
82	-0.01331	0.004472	-0.002241	0.000292	-0.000467	0.001114	0.011287	-0.001518	-0.006162	0.011493	0.004137	0.009571	0.00129	0.000182

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
83	-0.012106	0.010788	-0.004825	0.005415	0.003967	0.010182	0.01369	-0.007029	-0.022731	0.010313	-0.005086	0.007909	0.011585	0.001808
84	-0.007126	0.014525	0.011557	0.005923	0.008591	0.020797	0.002178	-0.007161	-0.007436	-0.002467	-0.016775	0.007375	0.003287	-0.012974
85	-0.004705	-0.037201	-0.022903	-0.012872	-0.03148	-0.012296	-0.004942	-0.035832	0.043868	0.018939	0.035004	0.044781	0.001035	0.000634
86	-0.030264	-0.003306	0.00752	-0.009449	-0.003133	0.004065	-0.000765	-0.019983	0.000602	-0.000221	0.031142	0.013265	0.001978	0.029937
87	-0.017455	-0.013332	-0.015094	-0.016156	0.008052	-0.002413	-0.010521	-0.045725	-0.02911	-0.009078	-0.037638	0.013102	0.004588	-0.015512
88	0.002006	0.004911	0.009925	0.002137	0.006745	0.014203	0.003748	0.007147	-0.021156	0.006683	-0.035605	0.00414	-0.00122	-0.00986
89	-0.01706	0.019514	0.012222	0.010812	0.010236	0.018037	0.011711	0.01086	-0.01824	0.007112	-0.021952	0.023853	0.008919	0.000883
90	-0.018952	0.013707	-0.004507	0.007901	0.004103	0.018758	0.010448	0.002341	-0.005793	-0.003714	-0.003304	0.033439	0.010167	0.002857
91	0.001476	0.013387	0.013769	0.001822	0.002688	0.025521	0.004647	0.02028	0.006736	0.007259	0.02924	0.004205	0.022319	0.001936
92	0.018485	0.025474	0.015505	-0.005398	-0.008401	0.007224	0.005032	0.016279	-0.018595	0.000197	0.017791	-0.002298	0.00278	0.0345
93	0.006816	0.016734	-0.006609	0.01153	0.006544	0.021045	0.000749	-0.018754	0.000373	-0.000663	-0.003973	0.007077	0.005439	-0.012717
94	-0.018604	-0.005556	-0.017671	-0.012757	-0.007462	-0.001182	-0.014672	0.022763	0.000542	0.033688	0.021666	0.006365	-0.012378	0.028139
95	0.779459	-0.004755	-0.018566	-0.002519	-0.012454	-0.019661	0.009224	-0.088586	-0.082649	-0.032939	0.075285	0.031505	0.0263	0.009821
96	0.003831	0.790176	-0.020184	0.005332	-0.033361	-0.034043	0.00857	-0.063786	0.035935	-0.009144	-0.020779	0.038654	-0.014581	-0.014585
97	-0.009937	-0.032544	0.888836	-0.003592	-0.049165	-0.014361	-0.007952	-0.053383	-0.033092	-0.033436	0.038956	0.018168	-0.019758	0.011035
98	-0.006744	-0.002683	-0.012075	0.934877	0.002664	-0.034273	-0.058848	0.008977	0.00846	0.007758	-0.012133	0.01318	0.006678	0.00037
99	-0.007435	-0.045559	-0.046903	0.003021	0.941392	-0.01129	0.008778	-0.027224	-0.00021	-0.028371	0.026516	0.02162	-0.019857	-0.007144
100	-0.015229	-0.024305	-0.007355	-0.026886	-0.007364	0.908313	-0.012803	-0.039869	0.003706	-0.002011	-0.012102	0.023799	-0.000036	0.03495
101	-0.001768	0.016177	-0.022206	-0.057516	0.004918	-0.018335	0.909893	0.022977	0.006528	-0.002236	-0.0001	0.018257	-0.005478	-0.021218
102	-0.051312	-0.079664	-0.051128	0.00153	-0.028686	-0.042516	0.015464	0.766209	-0.075036	-0.031987	0.01481	0.016487	0.01342	0.004577
103	-0.079321	0.023174	-0.032124	-0.008922	0.000754	-0.010833	-0.007712	-0.107035	0.748616	-0.055899	-0.000256	-0.013526	0.054137	0.019891
104	-0.019946	-0.018105	-0.030815	0.00332	-0.023528	-0.008968	-0.002923	-0.044133	-0.047619	0.862527	-0.00058	0.028961	0.015711	-0.016541
105	0.097715	-0.007917	0.054311	-0.01134	0.029244	-0.018648	-0.004463	0.035927	0.006746	0.011508	0.689511	0.043837	0.010148	-0.00423
106	0.029408	0.039095	0.026917	0.005906	0.028895	0.029048	0.008718	0.007254	-0.016825	0.03636	0.048101	0.829341	-0.038109	-0.012689
107	0.022901	0.015617	-0.007242	0.009363	-0.012871	0.011039	-0.005572	0.0403	0.049081	0.025911	0.032777	-0.05528	0.857381	-0.021998
108	0.018013	-0.019775	0.003639	0.007038	-0.000611	0.028971	-0.022017	0.001119	0.018669	0.002926	-0.008386	-0.011189	-0.019406	0.7927
109	-0.029308	-0.016286	0.011799	0.013951	-0.012277	-0.013218	0.023684	-0.055658	0.003652	-0.004229	-0.003666	0.000092	0.011163	0.007582
110	0.002825	-0.014886	-0.00514	0.009332	-0.018267	0.002731	0.001592	-0.001418	-0.021618	0.005053	0.063302	-0.055639	-0.017021	-0.019792
111	-0.002915	-0.055303	-0.008276	-0.004724	-0.012762	0.005147	-0.0061	-0.024565	0.073345	0.016959	0.014859	-0.011172	-0.028418	-0.107988
112	0.005942	-0.016486	0.028563	0.01054	0.012102	0.014832	0.012054	-0.021396	-0.024909	0.000125	-0.036082	-0.026034	0.009359	-0.073412
113	-0.039317	-0.014176	-0.008349	-0.002792	-0.0153	0.022213	0.009491	-0.005418	0.020272	0.028038	0.038708	-0.054693	-0.03264	-0.039961
114	0.040566	-0.003262	0.020472	0.007481	-0.009358	0.022608	0.001704	0.051126	0.032958	-0.010914	-0.012295	0.00755	0.01653	-0.050292
115	0.029066	0.017058	0.03073	0.009596	-0.004891	0.008256	-0.018546	0.0256	0.028918	-0.017927	-0.00198	-0.03163	0.001244	-0.032417
116	0.008398	0.045778	-0.012138	0.005015	0.001575	-0.003086	-0.00363	0.006922	0.002932	0.033389	-0.024515	0.012561	-0.003136	-0.048982
117	-0.00509	-0.065393	-0.011891	0.000693	-0.010503	-0.016094	0.021704	-0.064557	-0.023189	-0.03575	-0.044544	0.027866	0.041177	0.018152
118	-0.02255	-0.034876	-0.01816	-0.00584	-0.013778	-0.026405	-0.007308	-0.00862	0.027399	-0.026642	-0.008168	0.05719	-0.008584	-0.019693
119	-0.013944	0.001609	0.009942	0.027686	-0.000592	-0.00177	0.022254	0.028698	0.016927	0.01936	0.039735	-0.00706	-0.028588	0.006755
120	-0.022644	0.010862	0.004023	0.005917	0.008967	-0.002938	0.013771	-0.007203	-0.028034	-0.006858	0.007972	0.001886	0.037152	0.015579
121	0.006895	0.014407	0.009748	-0.003049	-0.010972	-0.016512	0.041152	-0.018523	-0.012904	0.029102	-0.049194	-0.004509	0.050679	0.063237
122	-0.036003	0.022947	0.006285	-0.002214	0.009415	0.002064	-0.005502	-0.016724	0.000308	0.013486	-0.002605	-0.019488	-0.005222	-0.000014
123	-0.023145	0.079058	0.045138	0.012839	0.02518	-0.007963	0.003009	0.041132	0.02043	0.035673	-0.01801	-0.02091	-0.037506	-0.007547

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
124	-0.001341	0.022474	-0.002922	0.020624	0.009774	-0.012278	0.009313	0.035897	0.009369	0.019724	0.021866	-0.008494	-0.029867	-0.004678
125	-0.017647	-0.006027	-0.005341	-0.018396	-0.008374	-0.004586	-0.003735	-0.020037	-0.023288	-0.03919	-0.029604	0.016547	0.033993	-0.016526
126	-0.023479	0.026282	0.02471	0.000284	0.001076	0.010817	0.017007	0.016356	0.017533	-0.006017	-0.023966	-0.000731	-0.01352	0.020163
127	-0.01208	0.009061	0.015703	-0.001985	0.000479	0.007799	0.006532	0.019786	0.00166	-0.001535	0.012474	-0.010583	-0.007292	0.034006
128	-0.005069	-0.012026	-0.002334	0.007803	-0.003783	-0.015919	0.018535	0.00277	-0.016899	-0.044192	0.007394	0.00315	-0.001289	0.027346
129	0.009011	-0.021786	-0.01572	0.010757	-0.002899	0.018054	0.0129	-0.049982	-0.0454	-0.001693	-0.026252	-0.007183	0.057362	-0.029585
130	-0.025491	0.013357	0.005104	0.009947	0.01343	0.007657	0.008289	0.011026	-0.059332	-0.009558	0.019534	-0.025476	0.025856	0.032156
131	0.014252	-0.015998	-0.052457	0.000591	-0.003612	-0.001629	-0.002218	0.007668	-0.052854	0.047008	-0.112306	0.03049	-0.03835	0.007289
132	-0.012238	0.00858	-0.002346	0.00018	0.003649	-0.016166	0.010893	0.013083	-0.013518	-0.033016	0.018802	0.024464	-0.005574	-0.011167
133	-0.051253	-0.014776	-0.040438	-0.024475	-0.021535	-0.024355	0.001689	-0.017604	-0.062748	-0.025964	0.026933	-0.011845	-0.006141	0.030255
134	-0.004516	-0.017692	-0.014663	-0.002926	-0.007199	0.03159	-0.033423	-0.015075	-0.02675	-0.015951	-0.000966	0.099934	0.01481	0.016988
135	-0.007196	-0.000461	0.010746	-0.000285	0.015594	-0.00808	0.007178	0.01115	-0.008037	-0.028445	0.010599	0.004562	0.014549	0.017781
136	0.025255	-0.015371	0.007996	-0.004543	0.000513	-0.023545	0.004892	0.018291	0.025763	0.038625	0.002561	0.0085	-0.002183	0.019538
137	-0.010785	0.049042	-0.015042	-0.025005	0.013821	-0.017828	-0.027253	0.013795	-0.038511	-0.007968	-0.004822	-0.017622	-0.006921	0.031467
138	0.011349	-0.034357	-0.044473	0.008893	-0.02663	0.036336	0.004027	0.036901	0.006722	0.013825	0.060378	-0.01178	-0.029412	-0.026363
139	0.026161	-0.002621	0.032416	-0.001608	0.019193	0.004668	-0.027264	-0.004719	0.037728	0.01638	0.006279	-0.003551	-0.017683	-0.074147
140	0.032648	0.029253	-0.017832	-0.003196	-0.010911	0.03358	0.000724	0.029058	0.0465	-0.030961	0.013466	0.014234	0.007489	-0.002528
141	-0.032038	0.019021	0.024854	0.01288	0.006986	-0.010201	0.01683	-0.003277	-0.046238	-0.017604	-0.005107	0.010576	0.007328	0.029964
142	0.026817	0.008424	-0.010882	0.007329	0.007075	0.00659	0.012012	-0.009799	-0.006179	0.018374	-0.001721	-0.00197	0.036689	-0.009254
143	0.012852	0.031839	-0.005942	-0.011079	0.010061	-0.005876	-0.023454	-0.007163	0.000853	-0.027412	-0.001349	-0.011422	-0.002132	-0.027914
144	-0.011821	0.035651	0.011475	0.021192	0.021824	0.017076	0.010855	0.004976	-0.00824	0.0271	0.04683	-0.022962	-0.009976	-0.0013
145	-0.016792	0.004811	-0.045595	-0.021004	-0.003772	-0.00706	-0.018927	-0.014828	-0.009377	-0.015245	0.057125	0.008591	0.013152	0.036275
146	-0.012858	0.012246	-0.010816	-0.002797	0.003453	-0.005114	0.0121	-0.005783	-0.008547	-0.026381	0.033479	0.010531	0.007355	-0.002787
147	0.020724	0.04017	0.003466	0.002614	-0.000823	0.036848	0.016661	0.003758	-0.007623	-0.015034	-0.023529	-0.036977	-0.022843	-0.033815
148	-0.065681	-0.032877	-0.028315	0.002606	0.002588	0.002935	-0.007661	-0.03052	-0.015926	-0.034047	0.060243	-0.047528	-0.015566	-0.016132
149	-0.004165	0.000601	-0.010466	-0.00196	-0.007792	-0.002563	-0.016935	0.004144	-0.040708	-0.046064	-0.011168	0.014584	0.011623	0.023443
150	0.003385	0.036767	-0.015756	-0.016828	0.005703	-0.012864	-0.00894	-0.006737	-0.028373	-0.023772	0.010627	0.009964	0.036235	-0.018817
151	0.009103	-0.013899	0.01531	0.005771	-0.015487	0.0088	-0.018933	0.001655	0.016223	-0.040624	0.0209	-0.013817	-0.040641	-0.052609
152	0.027402	0.003957	0.03322	0.017005	0.000797	0.023595	0.026233	0.039023	0.011721	0.036317	0.012891	0.010857	0.013466	0.006094
153	0.016957	0.020151	0.036528	0.034022	0.009362	0.009049	0.032848	0.006745	-0.011859	0.006212	0.004133	0.023081	0.011755	-0.01775
154	0.044242	0.008516	-0.002936	0.013699	0.014897	0.005717	0.018999	-0.011094	0.021368	0.019864	-0.034528	0.011199	0.022741	0.019116
155	0.054768	0.013556	0.008209	0.014994	0.015583	0.026184	0.025771	0.012978	0.022579	-0.005384	0.00149	0.003873	0.020765	-0.022761
156	-0.011304	-0.016335	-0.015756	0.010864	-0.011968	-0.01917	0.004047	-0.042335	-0.01786	-0.014264	0.022526	0.005422	-0.017401	-0.01276
157	0.00027	0.017954	-0.002731	-0.006845	0.000536	-0.012796	0.008888	-0.002365	0.006846	-0.02539	0.054269	-0.025714	0.011004	0.024249
158	0.041031	0.009455	0.006316	0.014589	-0.009543	-0.000345	-0.002963	0.013456	0.050168	-0.026306	-0.004275	-0.028393	-0.012206	-0.094476
159	0.085597	-0.011902	-0.002728	-0.008662	0.014844	-0.029239	0.000404	0.03418	0.00696	-0.001215	-0.078779	0.007723	0.054514	0.043919
160	-0.02574	-0.020546	-0.009752	0.008358	-0.016849	-0.010352	-0.001809	-0.009247	0.017855	0.009982	0.024853	-0.038633	0.004304	0.018018
161	0.007025	0.000168	0.005308	0.043103	-0.003564	0.017989	0.022242	0.010864	0.008566	-0.043418	0.025448	0.022419	-0.029313	-0.02753
162	-0.013672	0.035788	-0.013347	-0.002395	0.015118	-0.002644	-0.019472	-0.001428	-0.021131	0.021253	0.010218	-0.000441	0.013716	-0.03282
163	0.003104	0.009617	-0.013501	-0.002839	0.004384	-0.008102	0.006302	-0.015119	-0.013476	-0.001072	0.028231	-0.009418	0.017475	0.025124
164	0.053195	-0.000033	0.003259	0.006744	-0.004165	-0.009595	0.004743	-0.009576	-0.01972	-0.004629	-0.064841	-0.010331	-0.002999	-0.007865

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
165	0.022674	-0.062962	-0.000092	0.010555	-0.022497	0.042842	0.031332	-0.006589	0.048624	-0.031833	-0.011851	0.003815	-0.011897	-0.008386
166	-0.020467	-0.039268	0.006611	0.013704	0.020301	0.024517	0.002181	0.033437	-0.037989	0.023414	-0.005446	-0.051959	0.036823	-0.034713
167	-0.03072	0.035909	0.006548	-0.024497	0.001396	0.003254	-0.017942	0.026979	-0.015953	-0.031708	0.02829	0.009191	0.02566	-0.022352
168	-0.00752	-0.01781	-0.015087	0.001904	-0.009619	-0.042087	0.015453	-0.030217	0.012662	0.030547	-0.000793	-0.006721	-0.033696	0.039246
169	0.002267	0.005541	-0.005494	-0.027143	0.016675	0.003221	-0.03827	0.020918	-0.011383	0.008597	-0.007644	-0.005205	0.003109	-0.015693
170	0.008856	0.001371	-0.011359	-0.020384	0.015546	0.007797	-0.041658	0.03136	-0.000768	0.03198	0.003461	-0.003015	-0.009031	-0.002944
171	0.005895	0.017852	0.029388	-0.01032	0.016424	-0.004704	-0.009671	0.052001	0.010946	0.027234	-0.042486	0.020272	-0.012602	-0.008927
172	-0.01269	-0.000471	-0.01426	0.002986	-0.004876	0.009604	0.009925	-0.025985	-0.020023	-0.015824	0.020274	-0.002655	0.00963	-0.030586
173	-0.010554	-0.01151	-0.005412	0.00193	-0.008759	0.014728	0.009347	-0.036698	-0.004233	-0.016071	-0.0053	-0.012061	0.013281	-0.00918
174	-0.019531	0.000954	-0.009344	0.018863	0.007696	0.028663	0.017998	-0.033128	-0.002372	-0.009974	0.023864	-0.029018	0.005621	-0.015093
175	-0.013858	0.005615	0.000001	0.010985	0.014638	0.020169	0.009984	-0.032028	-0.029574	0.008785	-0.009754	-0.025465	0.009356	-0.015779
176	-0.020171	-0.026472	-0.018797	-0.007873	-0.011682	-0.03802	-0.000491	-0.011908	-0.010845	0.024141	0.007089	0.007466	-0.045603	-0.019099
177	-0.037738	-0.005188	0.025434	0.022445	0.00827	0.007442	0.012847	-0.005171	-0.025367	-0.048138	-0.001564	-0.002544	0.008136	-0.008405
178	-0.014204	0.037707	0.013283	-0.044293	0.014079	-0.024494	-0.038288	0.01289	-0.012456	0.00039	-0.011864	-0.036393	-0.032462	0.010921
179	-0.001116	0.005747	0.004551	-0.050248	0.002716	-0.028236	-0.043469	0.014455	0.016254	0.014823	-0.016231	0.002367	-0.002388	0.000303
180	-0.002	-0.00094	0.006606	-0.048542	0.004253	-0.019319	-0.049452	0.017953	0.006392	0.016828	-0.012507	0.001921	-0.002237	-0.002626
181	-0.000069	0.007046	0.005941	-0.050482	0.005311	-0.022085	-0.050889	0.016513	0.006558	0.014708	-0.009205	0.000161	-0.005283	-0.006567
182	0.001869	-0.00587	-0.00011	-0.033633	-0.007738	-0.043319	-0.028014	-0.00722	0.007168	0.017326	-0.002305	0.008779	-0.004783	0.013728
183	0.001492	0.003772	0.031341	-0.023441	0.001063	-0.057581	0.000392	0.000845	0.032879	0.019455	-0.056105	0.021234	-0.004723	0.015968
184	-0.022275	0.00291	0.020368	-0.007969	0.012942	-0.046021	0.006606	-0.005541	0.022887	0.022708	0.002629	-0.00524	0.005279	0.002213
185	-0.014925	-0.027686	-0.011219	0.00456	-0.002899	-0.012697	0.006358	-0.040547	-0.019479	-0.023665	0.032665	-0.010529	0.010574	0.027607
186	-0.040645	0.006943	0.036088	0.032949	0.01331	0.007004	0.041616	0.00137	-0.009392	-0.004627	-0.00242	0.002676	0.018298	0.026122
187	-0.017702	-0.014926	-0.011681	-0.002126	-0.006048	-0.021201	0.003622	-0.071918	-0.007887	-0.014081	-0.007977	0.006596	0.034732	0.010036
188	-0.001991	-0.024018	-0.019146	0.01329	-0.003311	-0.01037	0.015127	-0.088424	0.004776	0.004329	0.01269	-0.011724	0.018521	-0.005503
189	-0.004343	-0.02512	-0.026973	-0.007552	0.007456	-0.047974	-0.00922	-0.109633	-0.002655	0.027416	-0.015692	0.003845	0.03694	-0.02859
190	0.004439	0.014789	-0.002032	-0.013046	0.000624	-0.015286	-0.032002	0.041007	-0.018146	-0.008536	-0.012994	0.012404	0.000743	0.017037
191	0.002431	0.001592	-0.007509	-0.012653	-0.00009	-0.01363	-0.030244	0.012665	-0.007833	-0.042838	-0.005899	0.035821	0.017889	0.02367
192	-0.01032	0.002998	-0.008373	-0.004409	-0.011671	-0.024239	0.020583	-0.028144	0.013611	-0.010268	0.004205	-0.00189	0.006977	0.044821
193	-0.031864	0.002139	0.012359	0.014466	0.003304	-0.020357	0.026784	-0.034731	-0.009761	0.019791	0.005309	-0.009983	-0.006281	0.044391
194	-0.00262	0.002351	-0.002738	0.000382	-0.003905	-0.003747	0.004898	-0.059232	-0.009222	0.015988	-0.026195	0.002892	0.009823	-0.009692
195	-0.033819	0.020725	-0.019975	-0.006575	-0.001808	0.007099	-0.013612	0.006839	-0.014454	-0.0143	0.006317	0.016936	0.021249	-0.023313
196	-0.017091	0.005261	-0.009827	-0.019482	0.002517	-0.006414	-0.033051	0.009115	-0.003697	-0.007067	0.017144	0.007228	0.024703	-0.016277
197	0.007217	-0.009624	-0.009173	-0.002801	-0.009411	-0.013475	-0.01744	0.035515	-0.016579	-0.038849	-0.008817	0.040165	0.01428	0.030355
198	-0.045199	0.041127	-0.005733	0.01987	0.00736	0.010694	0.026744	-0.007557	-0.023803	-0.00962	0.002759	-0.016674	-0.002614	-0.013216
199	0.024934	0.032199	-0.03397	-0.01391	0.004992	0.013839	-0.025471	0.009865	-0.053138	0.000347	-0.026632	-0.042466	0.00881	0.018082
200	-0.012875	0.01573	0.030601	0.010038	0.001135	0.00231	0.035445	0.011096	-0.006767	-0.011378	-0.055733	0.013086	-0.004601	-0.031651
201	-0.018386	-0.032203	-0.006733	-0.008439	-0.027888	-0.027911	-0.025442	-0.011387	0.035909	-0.029896	-0.054865	0.061725	-0.052777	-0.018045
202	-0.02639	-0.006419	0.026189	0.010999	0.000337	0.024995	0.026339	0.007488	0.017495	0.004844	-0.029212	-0.011724	-0.00252	0.006458
203	0.036855	0.006213	-0.002607	0.003033	0.016999	-0.005955	0.00705	0.015268	-0.017097	-0.003323	-0.044671	-0.031588	0.028653	0.030769
204	-0.000213	-0.020144	0.01248	-0.016599	-0.020571	-0.013408	0.008975	0.019864	0.025207	-0.018481	0.021295	0.027078	0.038358	-0.002701
205	0.023401	-0.053309	-0.002903	-0.028318	-0.011783	0.013135	-0.012854	-0.020825	0.00359	0.008172	0.007561	0.01614	-0.000772	-0.025375

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
206	-0.016778	-0.001184	0.001395	-0.002647	-0.011029	0.000323	-0.006833	-0.00254	-0.037151	-0.02054	0.017457	0.016814	0.02186	-0.078682
207	0.017326	0.014516	0.051728	-0.012877	0.009379	-0.024454	-0.00232	0.012132	-0.010553	0.000812	0.019707	-0.076782	-0.012708	-0.028151
208	-0.028024	-0.040351	0.019655	0.030244	0.004537	0.025178	0.02524	-0.001095	-0.049441	-0.014951	0.02201	0.007747	0.053226	0.010617
209	0.014161	-0.048704	-0.002761	0.005784	-0.015048	0.001024	0.041618	0.004188	-0.015566	0.012958	0.006922	-0.04165	0.012153	0.00563
210	0.025415	-0.01375	0.019851	-0.01094	-0.00069	-0.022607	0.004211	0.000693	-0.074949	-0.036287	-0.061222	-0.015723	-0.012923	-0.024708
211	0.053249	-0.014936	-0.000714	-0.023128	-0.014529	0.005852	-0.025864	-0.022638	-0.034488	-0.046842	-0.026457	0.00862	0.004206	-0.022394
212	0.01668	0.029395	-0.040118	0.000484	0.011278	0.015588	-0.003414	-0.005894	-0.050578	-0.000168	-0.03367	-0.004319	-0.016746	0.003622
213	-0.011126	0.019207	-0.012093	-0.000574	-0.01676	-0.003749	-0.018274	-0.042125	-0.037003	-0.017146	0.030816	-0.015034	-0.045619	0.000961
214	-0.003832	0.005471	0.015629	-0.042397	0.010171	-0.046877	-0.033089	0.002443	0.020969	0.019616	-0.026488	0.01419	0.009604	0.009096
215	-0.022299	-0.029051	0.023042	-0.04211	0.010396	-0.02321	-0.031985	0.023274	0.012447	-0.018881	-0.01598	-0.002013	-0.015673	0.008608
216	0.009229	-0.007191	0.016768	0.000587	0.018144	0.005803	-0.008019	0.009018	0.014546	0.020649	-0.025702	-0.012834	-0.037379	-0.041429
217	0.011796	-0.003639	-0.009352	0.024532	-0.003306	0.004495	0.023741	-0.012357	0.017777	0.004764	0.011647	-0.019428	-0.025356	-0.017836
218	0.002185	-0.00009	0.012511	0.004813	0.019425	0.008604	0.005901	0.010622	0.015926	0.014415	0.009484	-0.016744	-0.010659	0.005379
219	-0.002034	0.035246	0.025159	0.010588	0.028475	0.013209	0.005859	0.006281	0.015136	0.018641	0.00635	-0.044283	-0.030044	-0.04282
220	0.032264	0.029837	-0.015853	0.009714	0.014749	-0.01289	0.007939	0.036398	0.029751	0.003936	-0.007099	-0.008426	-0.005593	-0.003087
221	0.010382	0.002095	0.000865	-0.003742	-0.01095	0.006571	0.013828	0.012906	0.02905	-0.015799	-0.012632	0.000146	0.00161	-0.027622
222	0.007126	0.003491	0.003875	-0.009967	0.002594	0.00393	0.002091	-0.010796	0.004979	0.001476	0.009379	-0.024949	0.013183	0.007621
223	0.00638	0.025071	0.017029	-0.002633	0.008372	0.005236	0.000554	-0.010892	-0.020357	0.005717	-0.013257	-0.017949	0.00274	-0.00334
224	-0.031958	-0.020601	-0.005623	-0.003737	-0.010502	0.02453	-0.004989	0.011952	-0.00276	-0.013264	-0.01816	0.007921	0.010071	-0.020864
225	-0.030702	-0.00574	-0.015734	-0.005438	-0.01095	0.034633	-0.006213	0.007423	-0.007156	-0.016638	-0.026221	0.017455	0.019235	-0.011819
226	-0.042082	0.000437	-0.019453	0.009334	-0.012472	-0.008017	0.012113	-0.016258	-0.010653	0.008526	-0.013315	0.007502	0.015386	0.014728
227	-0.041165	0.002238	-0.020611	-0.001755	-0.020372	0.008766	-0.008059	0.00887	-0.010302	-0.018399	-0.020508	0.018481	0.017883	-0.019192
228	-0.00521	0.009554	-0.00198	-0.001289	0.008124	-0.008318	0.006205	-0.004534	-0.023132	0.026228	-0.000459	-0.01903	0.033405	0.036613
229	-0.03733	-0.008607	-0.026143	-0.025874	0.014631	0.004009	-0.029136	-0.0108	-0.007253	0.007937	0.009576	0.004965	-0.001886	0.023272
230	0.017049	-0.015537	0.001323	-0.019711	0.009091	0.011138	-0.028804	-0.005027	-0.001491	0.007221	-0.005079	-0.009962	-0.028669	-0.003962
231	0.009277	-0.025097	-0.012337	-0.002995	-0.016397	0.008081	-0.005564	-0.00845	-0.040552	0.007392	0.011082	0.004955	0.006963	-0.011248
232	-0.014855	-0.014167	0.002794	0.004527	0.011723	0.00801	0.011783	-0.015279	0.007124	0.009227	-0.027213	-0.003307	0.037475	-0.016543
233	-0.020109	-0.001373	0.001175	-0.004981	0.008368	0.007067	0.007606	-0.035939	0.007682	-0.022081	-0.008415	-0.002517	-0.005056	0.016035
234	0.014683	0.014081	0.005445	-0.010054	0.009983	-0.005871	-0.001644	0.015002	-0.026218	0.00619	-0.029237	-0.003068	-0.005113	0.005762
235	0.008212	0.010891	-0.013244	-0.015004	-0.005638	0.003086	0.007567	-0.012416	-0.029188	0.005197	0.03226	-0.015356	0.003698	0.017915
236	0.010557	-0.048525	0.010382	0.000468	0.002027	0.000017	0.00287	-0.022028	-0.032235	0.016408	-0.016241	0.006664	-0.000144	-0.053332
237	-0.002011	-0.027106	0.020838	0.002125	0.011086	0.000433	-0.013027	-0.016414	-0.003993	0.004938	-0.021481	0.045793	0.036183	-0.003443
238	0.009358	0.010083	0.032204	-0.001625	0.018697	0.017761	-0.016253	-0.004831	0.000953	0.007838	-0.009915	0.009866	-0.01172	-0.019529
239	0.00005	0.020322	0.032556	0.000017	0.018571	0.016645	0.002036	-0.010293	-0.010241	0.011483	0.022873	-0.031637	-0.027483	-0.00194
240	-0.022556	0.001271	0.008526	0.00048	0.000587	0.015662	-0.000561	0.017099	0.004231	-0.014563	-0.017349	-0.013399	0.01377	-0.001278
241	-0.004741	-0.009786	0.009241	-0.008037	0.008786	-0.000704	0.001776	0.00487	0.014575	-0.009942	-0.026307	-0.007571	-0.008537	0.012723
242	0.028415	-0.019293	0.010766	-0.015389	0.012758	-0.00956	-0.005062	-0.008554	-0.003839	0.018927	-0.013822	-0.022526	-0.011042	-0.009119
243	0.010503	0.011525	0.003473	-0.005478	0.012959	-0.002387	-0.005433	0.01122	0.009031	0.004232	0.012085	-0.019392	-0.002831	-0.011704
244	0.011138	0.014096	0.009616	-0.000722	-0.003514	0.001728	0.006063	0.018573	0.000827	-0.016861	-0.010287	0.011816	-0.002062	-0.014932
245	0.025474	-0.000182	-0.000807	0.000231	0.008333	0.00803	0.004242	-0.023286	-0.009866	-0.019635	0.019083	-0.031104	-0.019885	-0.028585
246	0.032029	-0.008513	-0.002797	-0.006823	0.015666	-0.01724	-0.008386	-0.006808	0.014221	-0.005949	-0.018628	0.001778	0.003829	0.019637

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
247	0.01989	0.011733	-0.001525	-0.009277	0.009356	-0.006257	-0.008766	-0.0012	-0.004793	-0.006392	-0.006238	-0.020458	-0.012912	-0.011866
248	0.000467	0.02126	0.005988	-0.006013	0.01342	-0.000032	-0.000004	0.00402	-0.006163	-0.00401	0.002706	-0.005984	0.008841	-0.023348
249	0.002241	-0.014797	0.003725	0.010682	0.003419	0.017749	0.011742	0.016339	0.023805	0.008788	0.008122	-0.007531	0.005222	0.002125
250	-0.003254	-0.005295	0.017649	-0.002767	-0.000722	-0.006248	-0.004761	0.029842	0.009072	-0.011774	-0.044264	0.021586	0.01077	0.002879
251	-0.011546	0.010787	0.022799	0.000279	0.000046	0.001128	0.007531	0.01992	-0.000295	-0.019231	-0.037167	0.009916	0.028065	0.01781
252	0.015303	0.001726	0.006823	-0.011837	0.003102	-0.012253	0.004383	0.015064	0.004074	-0.008057	-0.027004	-0.009138	0.003784	0.003058
253	0.018432	-0.018154	-0.014757	-0.006052	0.000352	0.002891	-0.00817	0.018495	0.017572	0.01974	-0.034346	0.018592	-0.014261	-0.011101
254	0.005883	0.022999	0.005018	0.00487	0.00585	0.00748	-0.000401	-0.000264	-0.031614	-0.012555	0.009133	-0.006179	0.005989	0.001205
255	0.027977	0.017995	-0.008991	0.005199	-0.000564	-0.002126	0.002184	0.021119	0.003765	-0.028213	-0.015855	0.006936	0.002012	0.000099
256	0.027107	-0.021171	-0.032529	0.010432	-0.006367	0.00251	0.01066	0.03429	0.05311	-0.033146	0.007636	-0.000076	-0.029289	-0.000058
257	0.006355	0.003451	-0.030333	-0.007971	-0.039058	0.000039	-0.007945	0.014112	0.02862	-0.010547	0.019326	0.008774	-0.026455	-0.014021
258	-0.006736	0.002181	-0.040515	-0.009331	-0.032423	0.000775	-0.011727	-0.005992	-0.029431	-0.016693	0.016216	-0.006149	-0.013004	-0.007783
259	0.00322	-0.001976	0.02089	-0.002094	0.006359	0.001499	0.00472	0.009013	-0.0008	0.00371	-0.00374	-0.002539	0.026066	0.010547
260	-0.014237	0.021066	0.01753	-0.021739	0.009639	-0.021371	-0.00184	0.011213	-0.024358	0.02236	-0.016746	-0.011039	0.049494	0.013669
261	-0.023263	0.000332	-0.000449	-0.012636	-0.001329	-0.019134	-0.010185	0.008634	-0.024664	0.004104	-0.015304	0.005095	0.036415	0.010239
262	0.006764	-0.01699	0.004454	-0.009754	0.001219	-0.006813	-0.004039	0.001804	-0.001979	0.015284	-0.005732	-0.016899	-0.004508	-0.013561
263	0.022836	-0.014952	0.00465	-0.008456	-0.003151	-0.009735	0.002308	-0.003645	0.007344	0.011296	-0.005504	-0.00621	-0.006348	-0.018177
264	0.001909	-0.006003	0.000883	-0.001974	0.002456	-0.010133	0.005569	0.014858	0.017445	0.008134	0.018283	0.00649	0.021129	0.019021
265	-0.005105	0.011229	-0.020017	0.007626	-0.001101	-0.009929	0.001388	0.013318	-0.008391	-0.004549	0.012041	0.014132	0.022933	0.016693
266	0.002418	0.012688	-0.03071	0.010017	-0.005006	-0.011227	-0.003017	-0.005733	-0.038834	-0.021772	-0.007517	0.014636	0.017112	-0.00348
267	-0.044301	-0.021785	-0.017368	0.004155	0.007644	0.000674	-0.004404	0.020986	0.00147	0.027559	-0.017757	0.011529	-0.007623	-0.007112
268	-0.017924	-0.008245	-0.019665	0.005709	-0.012409	-0.006052	0.011904	-0.000591	-0.002492	-0.002299	-0.023222	0.006072	0.009876	0.012381
269	-0.021747	-0.006573	-0.016593	0.002224	-0.013979	-0.004835	0.004072	-0.002899	0.003959	0.001065	-0.022708	0.014638	0.016429	0.0049
270	-0.03059	0.013126	-0.015334	0.008919	-0.012614	-0.008398	0.008426	0.007131	-0.007683	0.003015	-0.006893	0.000321	0.017045	0.006965
271	-0.035339	-0.021412	-0.011182	-0.005521	-0.007031	-0.029235	0.005778	-0.037066	-0.013122	0.016249	-0.010888	0.013721	-0.013578	-0.008414
272	-0.050988	0.000089	-0.022556	-0.011257	0.010679	0.003159	-0.015118	-0.001764	-0.013785	0.015607	0.03165	-0.008541	-0.003968	0.019481
273	-0.000951	0.004298	-0.010307	-0.007101	-0.00128	0.006631	-0.000743	0.018186	0.009423	0.002795	0.0244	-0.010655	0.001687	0.023599
274	-0.00355	0.003834	-0.014883	-0.008875	-0.004809	0.004631	-0.004303	0.01492	0.010347	0.006468	0.026422	-0.006699	0.000856	0.020494
275	-0.016373	0.014525	0.006519	-0.00416	0.007701	-0.006017	-0.010026	0.005044	-0.017356	0.012092	0.032119	-0.02051	-0.000937	-0.018502
276	-0.006961	-0.049032	-0.003613	-0.010393	0.0049	0.001753	-0.00998	-0.020414	-0.042517	0.019064	-0.001377	-0.002691	-0.003417	-0.046583
277	-0.017646	-0.013227	0.015379	0.001448	0.010863	0.010346	0.000755	-0.024361	-0.034241	0.021329	0.032185	-0.0063	0.019268	0.009933
278	-0.036654	-0.007702	0.028354	0.004406	0.010392	0.008338	0.008242	-0.029733	-0.043523	0.025404	0.03711	-0.002036	0.021329	0.019403
279	-0.018392	0.034053	0.043135	0.003259	0.026013	0.012309	0.006066	-0.003853	-0.017506	0.027727	0.027625	-0.038673	-0.01174	-0.003024
280	0.012714	-0.036345	-0.030064	0.003525	-0.001915	0.007309	-0.004047	0.004343	0.021921	0.001749	0.011835	-0.000095	-0.00996	-0.015324
281	0.013013	-0.008829	-0.019866	0.004575	0.00231	-0.021787	0.005571	-0.014237	-0.0205	-0.011772	0.002505	-0.0154	0.004755	0.051532
282	0.004756	-0.00109	-0.017308	-0.000139	-0.012224	-0.020244	0.009446	-0.011387	-0.019667	-0.017278	0.010419	-0.016872	-0.009865	0.054354
283	-0.01673	0.032005	0.017818	0.001297	0.016601	-0.017908	0.011945	0.003834	-0.018996	0.01066	0.015225	-0.030348	-0.00586	0.00573
284	-0.004777	-0.000976	-0.019569	-0.003911	-0.031819	-0.004492	0.000815	0.023028	0.028075	-0.002315	0.016883	0.007947	-0.015131	0.00134
285	-0.000203	0.005937	-0.010305	-0.004414	-0.034307	-0.005923	0.003445	0.023173	0.03211	-0.001875	0.012021	0.00971	-0.023147	0.006662
286	-0.013491	0.004127	-0.044926	-0.006861	-0.04706	-0.005132	-0.011194	-0.008981	-0.010662	-0.024292	0.019451	-0.00147	-0.02803	0.007117
287	-0.02353	0.01696	-0.035987	-0.004646	-0.04114	-0.00839	-0.006492	-0.014727	-0.017341	-0.022991	0.025092	-0.007315	-0.026774	0.010238

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
288	-0.022717	-0.004076	-0.017797	-0.001362	-0.013287	-0.023952	0.002608	-0.019212	-0.03001	-0.001865	-0.002982	-0.002649	0.009438	0.016715
289	-0.006149	-0.001083	-0.019265	0.001713	-0.004092	-0.012584	0.008268	0.002486	-0.018977	0.008247	0.004244	-0.011874	-0.006801	-0.003619
290	0.015001	0.000571	0.013159	0.017202	0.005977	-0.022383	0.012462	-0.001681	0.012206	-0.007295	-0.020832	0.014051	0.007524	0.016696
291	0.012064	0.000584	0.01233	0.016834	0.004216	-0.021078	0.010594	-0.000551	0.01161	-0.009184	-0.014944	0.012258	0.007804	0.0116
292	0.019593	-0.000515	0.015074	0.012956	0.006023	-0.022423	0.005993	-0.008409	0.016038	-0.0114	-0.023042	0.009158	0.004658	0.013824
293	-0.000613	-0.071106	-0.003477	0.009704	-0.022728	0.005266	0.026289	-0.021139	-0.003529	-0.027324	-0.014381	0.005549	-0.005207	-0.025824
294	0.000639	-0.021852	-0.008192	0.00574	-0.008043	-0.004542	0.01566	-0.011452	-0.019034	-0.005454	0.001809	-0.010405	0.008271	0.013211
295	0.027261	-0.02783	-0.009297	0.003428	-0.009244	0.013445	0.006625	0.012576	0.018757	-0.007847	0.032549	-0.01943	-0.02038	0.015391
296	0.021402	0.023694	-0.025197	0.001849	0.003062	0.00396	-0.000254	-0.006304	-0.012023	0.011764	0.014672	-0.043811	0.008994	0.045532
297	0.030589	-0.033405	-0.012993	-0.001311	-0.007028	0.015039	0.000839	0.010462	0.004019	-0.001157	0.032671	-0.036357	-0.025116	0.02053
298	0.039195	0.024766	0.016098	0.003102	0.002189	-0.020261	-0.009918	-0.016236	-0.02124	-0.012301	-0.038803	-0.016545	0.006121	-0.032311
299	0.012554	-0.023734	-0.008421	0.014967	-0.009129	0.015407	0.008634	-0.001195	-0.039613	-0.03104	-0.007552	-0.013906	0.007238	0.009498
300	-0.02521	0.008401	-0.014746	-0.034954	-0.007035	-0.018382	-0.070734	-0.006763	-0.019911	0.00206	0.046001	0.01675	-0.011355	-0.000465
301	0.022241	-0.016643	0.010024	0.009718	-0.009686	0.006043	0.016998	0.017645	0.010106	-0.010164	-0.007612	-0.000016	-0.008663	0.008138
302	0.010013	0.006691	-0.000417	0.013984	-0.005975	0.003398	0.009883	0.007559	-0.00127	-0.005506	0.024003	-0.023123	-0.012695	0.01003
303	-0.012821	0.020995	-0.013211	0.008385	-0.009206	0.016077	-0.006757	-0.012433	-0.058753	-0.027984	-0.00111	-0.030657	0.010603	0.005807
304	-0.017046	0.019155	-0.002501	0.024755	0.001345	0.022351	0.005036	-0.007828	-0.059783	-0.035291	-0.019977	-0.018665	0.017525	0.012152
305	-0.014267	-0.043082	-0.015938	0.021669	-0.03525	-0.030261	0.033396	-0.034445	0.028286	-0.026649	0.023911	0.019264	-0.024035	0.003636
306	0.00412	0.008448	0.000641	-0.003911	-0.010918	0.015531	0.007225	0.081391	0.030755	0.01559	-0.003013	0.009438	-0.009916	0.001352
307	0.032916	0.042342	-0.007814	-0.003277	-0.004405	0.035767	-0.010626	0.022541	-0.04433	0.046585	-0.016196	0.000907	-0.013117	0.00522
308	0.062186	0.063384	-0.003557	-0.016493	0.032323	0.011602	-0.000048	-0.004427	0.049353	0.007684	-0.109408	-0.002687	0.010153	0.054484
309	0.01383	-0.011365	0.000215	0.018216	-0.015955	0.008937	0.005198	-0.01329	-0.007204	0.008255	0.00857	-0.003385	-0.008258	0.002593
310	0.020481	-0.006114	-0.015026	0.017897	-0.030256	-0.009833	0.008617	-0.008788	-0.020641	0.004814	0.001293	-0.007912	-0.028367	-0.01449
311	0.027793	0.001288	0.000231	0.000717	-0.00673	0.011711	0.002258	0.004333	0.009128	0.009865	-0.025249	0.001307	-0.001253	-0.002815
312	0.002132	0.040168	-0.021799	-0.007679	0.038486	0.007089	-0.031883	-0.038076	0.012823	-0.007508	0.003047	-0.073641	-0.01221	0.005925
313	0.008346	0.007996	-0.018232	-0.007458	-0.013609	0.00807	-0.013418	0.011314	0.017861	-0.007844	-0.008319	0.013448	-0.009198	0.001347
314	0.038927	-0.033216	0.009715	-0.000591	0.005154	-0.000624	0.003084	-0.010727	-0.05247	-0.008261	0.018046	-0.057977	-0.018884	-0.00557
315	0.015629	-0.012609	-0.031049	0.000678	-0.025924	0.000812	-0.014646	-0.024911	-0.015069	-0.006986	-0.009229	-0.003317	-0.006294	0.013241
316	0.015203	0.025045	-0.003062	0.002687	-0.008475	0.016517	-0.008517	0.06093	0.067893	0.006677	0.039991	0.009883	0.01466	-0.054063
317	0.015539	-0.001339	-0.006316	0.002977	-0.023729	-0.000603	-0.003326	-0.015665	-0.003204	0.010648	0.018676	-0.003809	-0.009301	0.004931
318	0.020682	-0.002058	0.01314	0.01254	-0.017409	0.009338	0.015832	-0.028678	-0.042749	0.007069	-0.034721	0.019165	0.019096	-0.001904
319	0.009199	-0.000365	-0.024511	0.000636	-0.030835	0.011751	-0.01303	-0.020312	-0.02516	-0.003147	0.010582	0.003564	0.001396	0.009608
320	0.012331	0.034569	-0.021313	0.012845	-0.018046	0.023365	0.013114	-0.004015	-0.00922	-0.02336	0.038558	-0.013563	0.007103	0.017219
321	0.048592	-0.01277	-0.004538	-0.001248	-0.003719	-0.003502	0.010382	0.054276	-0.011679	0.007647	-0.020564	-0.012043	0.013402	0.057656
322	0.036311	-0.014272	-0.007852	0.019427	0.003592	-0.01836	0.018723	-0.028431	-0.011378	0.004205	-0.014019	0.02186	0.004101	0.023647
323	0.076036	-0.003387	0.001861	0.000606	-0.003406	0.004494	-0.009318	0.059351	0.029184	-0.004762	-0.060112	0.018886	-0.001134	-0.010651
324	-0.020025	0.049235	0.013918	0.007962	0.01423	-0.020995	0.024306	0.010819	-0.043617	0.00258	-0.001862	-0.018157	0.023814	-0.003472
325	-0.00825	0.005955	-0.017926	-0.005959	-0.008469	-0.014569	-0.008622	-0.013017	-0.016823	0.022817	0.014253	-0.017968	0.014031	0.019838
326	-0.017867	0.007717	-0.007829	-0.005934	-0.004632	-0.012037	-0.014448	-0.025583	0.011526	0.010061	0.023503	-0.025922	0.001424	-0.022977
327	0.018797	0.012883	-0.011988	0.001848	-0.010453	-0.001354	-0.007639	-0.010034	-0.011807	-0.011252	-0.005465	0.000425	0.01219	0.00461
328	0.063557	-0.042727	-0.029197	0.002777	-0.013055	-0.016509	0.010088	-0.021268	0.099129	0.024726	-0.006719	-0.008164	-0.018388	0.030688

	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE
329	0.037157	0.004765	-0.020841	-0.007103	-0.01682	-0.003219	-0.012366	-0.008407	0.01348	-0.012319	-0.004065	-0.001032	0.004958	-0.006327
330	-0.051052	-0.026501	0.006662	-0.02275	0.001203	-0.051058	-0.02036	-0.022613	-0.013146	-0.019873	0.041151	0.000491	0.010717	0.018034
331	0.010239	0.001026	-0.018555	-0.000538	-0.010302	-0.00282	-0.008058	-0.007249	-0.007519	-0.008824	-0.010839	-0.017039	0.000604	-0.009279
332	-0.019029	-0.019463	-0.007108	-0.008354	-0.004042	0.009588	-0.009162	0.003787	0.018705	0.026163	0.04844	-0.003544	-0.008728	0.009146
333	0.005618	-0.002278	-0.006628	0.001664	-0.012044	0.00251	-0.003289	0.003721	-0.006039	0.008826	-0.000234	-0.005197	0.005708	0.001697
334	0.001577	-0.016756	-0.004755	-0.024987	-0.009875	-0.024653	-0.018922	-0.031629	0.024647	-0.02947	-0.014091	-0.017305	-0.01569	0.028616
335	-0.000063	0.016562	-0.012269	0.004856	-0.010137	0.01029	-0.001299	0.005825	-0.020184	-0.002221	0.001395	0.011503	0.013534	-0.00826
336	0.003713	0.002328	0.026124	0.019605	0.008562	0.000486	0.003068	0.03123	-0.007213	-0.014736	-0.04336	-0.003512	-0.010799	0.018164
337	0.016824	0.022508	-0.01672	0.010272	-0.008013	0.000859	0.006556	0.026148	0.009134	-0.008104	-0.017688	0.001156	0.012821	0.02742
338	0.026725	0.015895	0.013819	0.007906	0.000974	0.013563	0.008352	-0.041195	-0.008874	-0.020732	-0.06058	-0.00762	0.003067	-0.023011
339	0.022538	-0.013246	0.020733	0.000778	-0.000189	0.004715	0.006763	0.013619	0.029477	0.034225	-0.022994	-0.032343	-0.004358	0.017919
340	-0.039217	-0.005554	-0.025004	-0.003148	-0.028146	-0.01304	-0.009686	-0.030437	-0.00622	-0.049902	0.054791	-0.010339	0.014944	-0.039706

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
1	-0.064118	-0.083274	-0.023388	0.000836	0.012589	-0.031041	0.046117	-0.009486	-0.027035	0.011334	0.074871	0.048013	-0.073623	0.001608
2	-0.064697	0.058843	0.038761	0.004794	-0.104332	-0.154301	0.017825	0.037827	0.068333	-0.012234	-0.040054	0.037146	0.091929	-0.056487
3	0.001054	0.047588	-0.034857	-0.163239	0.01488	-0.001919	-0.075607	-0.074957	-0.05857	-0.071884	-0.10508	0.001632	0.076243	-0.020814
4	-0.01454	-0.007606	0.02831	0.116767	-0.075935	0.000798	0.018099	-0.083956	0.07073	-0.061709	0.033928	-0.002472	-0.02964	0.00277
5	0.047706	-0.010224	0.08063	-0.008581	0.077045	-0.009276	-0.046822	0.13336	-0.049616	0.144311	-0.070395	-0.014332	-0.000279	0.088461
6	0.023932	0.065692	0.066706	-0.121143	0.041308	-0.001917	0.009015	0.069811	0.018003	0.008878	0.052282	0.054829	0.06531	-0.022807
7	0.02233	0.039826	-0.03717	0.024361	-0.055926	-0.070579	-0.019379	0.069619	-0.035367	-0.056407	-0.134706	-0.011927	0.023759	0.058317
8	0.002555	-0.046623	0.06332	-0.047124	0.023427	-0.029056	0.000363	0.0024	-0.052467	-0.03711	-0.088312	-0.076687	0.04648	-0.136115
9	0.008684	0.027447	-0.012984	0.00896	-0.0259	-0.187388	0.040703	-0.044774	-0.108426	-0.017322	0.03801	-0.096225	0.014449	0.059489
10	0.051231	0.168378	-0.03405	0.007059	0.065173	-0.022808	0.149473	-0.007361	-0.118622	0.094217	0.141125	-0.007997	-0.02969	-0.009158
11	0.152543	0.024023	-0.019564	0.074069	0.080058	0.015468	-0.018024	0.133706	-0.08484	-0.057915	-0.028106	-0.074652	-0.020206	-0.027386
12	0.089001	-0.050898	-0.014491	0.004672	0.038507	-0.047947	-0.027608	-0.034694	-0.000576	0.052087	0.071115	0.027167	0.040359	0.009567
13	-0.001027	-0.055333	0.084128	0.032502	0.026888	-0.090988	0.012184	0.065142	-0.075984	-0.0647	0.001901	-0.030737	-0.080862	-0.000144
14	-0.056871	0.073898	-0.029998	0.113428	-0.096865	0.022587	0.068967	0.089714	0.041315	0.022147	0.058611	0.017725	0.069598	0.001187
15	-0.074728	0.006685	-0.041166	0.007551	-0.011364	-0.032101	-0.002202	-0.135951	0.131864	0.041937	-0.028778	0.001877	-0.108462	0.041621
16	0.076157	0.073663	0.070445	-0.096357	0.082095	-0.00201	0.04864	-0.019468	-0.061893	0.04751	-0.021562	-0.025797	-0.082959	0.011942
17	-0.173419	0.023254	0.06433	-0.02069	-0.023772	-0.084888	-0.018092	0.009477	-0.028294	-0.046927	-0.096498	-0.104993	-0.193323	-0.06675
18	-0.078815	0.057638	0.072897	0.036657	0.025065	-0.024167	-0.075838	-0.032128	0.05456	-0.034259	0.014988	0.013211	-0.037236	0.035264
19	-0.050841	0.007973	-0.085359	0.008584	-0.02604	-0.107159	-0.094758	0.042608	0.047475	0.052349	0.003816	0.093249	0.085342	0.040256
20	0.142761	-0.020321	0.015713	0.003222	0.069142	0.161954	0.01056	-0.058193	0.029172	0.0188	-0.028993	-0.052594	0.101529	0.016434
21	0.122195	0.096004	-0.020621	-0.047316	-0.081517	-0.060951	-0.060211	-0.036255	-0.081511	-0.131314	-0.002912	-0.092783	0.030235	-0.117594
22	-0.071143	0.105507	-0.087754	-0.027594	-0.060141	0.151702	-0.086611	-0.020838	0.050455	0.058921	-0.014636	-0.011072	0.114418	0.096071
23	0.035905	0.027708	-0.03726	0.045543	-0.019366	0.090434	0.042512	0.050252	-0.050911	-0.017754	0.028735	0.007211	-0.085784	0.027195
24	0.079286	0.011445	0.004847	-0.107323	0.027463	0.01737	0.011204	-0.117685	-0.040639	0.007553	-0.044439	0.022017	0.006085	-0.02746
25	0.028422	-0.046176	0.038387	0.178784	0.047354	0.107636	0.006263	0.058541	0.062265	-0.085769	0.002755	0.078276	0.04685	-0.057312
26	-0.072776	0.079122	0.024069	0.059892	-0.006116	-0.019291	0.00802	-0.086832	-0.127749	-0.122175	-0.003815	-0.039451	-0.137007	-0.017911
27	-0.02113	0.067545	-0.011603	-0.014637	-0.103613	-0.056893	0.060034	-0.012942	-0.027966	0.128909	0.005252	-0.057779	0.020953	-0.003454
28	-0.009298	0.014791	0.064233	-0.096257	0.07887	0.033371	-0.104453	0.071998	-0.056338	0.059722	-0.019103	0.020755	-0.033856	-0.045162
29	0.048576	0.012336	-0.044341	-0.01801	0.021446	-0.005518	0.008849	-0.003842	-0.070372	-0.013725	0.030656	0.006794	0.00074	0.003026
30	-0.026415	-0.013698	0.034514	0.022373	-0.078794	-0.131747	0.015421	-0.032279	0.116819	0.000152	-0.009652	0.042284	0.055156	0.027664
31	0.014404	0.011003	0.003354	0.080718	0.016646	-0.085799	-0.144389	0.072684	-0.034784	-0.069283	0.055664	0.022753	-0.00629	-0.02759
32	-0.037372	-0.062006	-0.008496	-0.061238	-0.069833	-0.061436	0.018445	-0.037194	-0.032309	-0.045037	0.039579	0.052987	0.148449	-0.107462
33	-0.075209	-0.045253	-0.02303	0.104099	0.065738	-0.081719	-0.062597	0.027675	0.047183	0.028729	-0.030194	-0.04692	-0.079574	0.009786
34	0.098323	-0.069902	-0.053907	-0.014303	0.068947	0.010992	-0.044814	0.03264	0.015308	-0.092984	-0.055731	-0.046405	-0.014195	0.028641
35	-0.090406	-0.13612	-0.00927	-0.007189	-0.112382	0.033073	0.046754	-0.067501	-0.059151	-0.082316	0.015022	-0.02047	-0.07179	-0.03554
36	-0.009969	-0.016623	-0.042476	-0.096492	-0.10745	-0.062736	-0.032348	0.144451	-0.009945	-0.090345	0.013049	0.032742	-0.04716	0.00557
37	0.015299	0.146767	-0.051147	-0.05974	-0.036404	0.011556	-0.032336	0.029228	0.103494	0.026746	0.039544	0.056549	-0.053282	-0.017317
38	0.102588	0.004779	0.020402	0.046325	0.047147	-0.020988	-0.038407	0.034329	0.021091	-0.055027	0.00337	0.035761	-0.036002	-0.059739
39	0.107447	-0.243812	-0.21799	-0.023484	-0.072556	0.040751	-0.162312	0.004845	-0.096377	0.066268	0.015455	-0.069403	-0.156419	-0.04368
40	0.020825	-0.017705	-0.04594	-0.007477	-0.010961	-0.017029	0.017804	0.030697	-0.057617	-0.013642	0.018151	-0.024991	-0.005712	0.006732
41	-0.007299	0.051721	0.022102	-0.031781	-0.028797	0.067979	0.05927	0.00587	0.030747	-0.017299	-0.041403	0.012719	-0.073954	-0.039388

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
42	-0.161723	-0.095185	-0.000447	0.013945	-0.060868	0.141974	0.139963	0.03181	0.017804	0.066305	-0.034379	0.059423	0.087507	0.00175
43	0.077796	0.058453	0.021864	-0.020852	0.035627	-0.062783	0.064497	0.058173	-0.050748	0.019029	0.050639	-0.08173	0.04213	0.021632
44	0.096578	-0.039301	0.118527	-0.073377	0.084033	-0.095183	-0.063183	-0.004475	0.120658	0.030318	0.08476	0.067868	0.055953	0.022904
45	-0.062196	0.015953	-0.157545	-0.039925	-0.017202	-0.037523	-0.019716	-0.046032	0.004746	0.023123	-0.016595	0.065072	0.046061	-0.058504
46	-0.031333	-0.141105	-0.079664	0.066692	0.061442	0.223835	-0.126903	-0.015191	-0.044269	0.116668	0.021242	-0.03669	0.077619	-0.040625
47	0.084483	0.093038	-0.02097	-0.054204	0.059694	0.021417	0.076922	-0.098638	-0.027683	-0.082811	0.006211	-0.000623	-0.000128	0.072543
48	-0.072588	-0.091379	0.129206	-0.052401	-0.044043	-0.1631	0.111101	-0.033442	0.00255	0.073927	0.015665	0.025055	0.001755	0.024802
49	-0.075433	0.031169	0.017717	0.031163	0.059288	-0.078185	-0.079188	-0.026163	-0.102905	-0.105804	-0.015135	-0.049183	0.031873	0.014438
50	0.174194	-0.126914	0.034585	-0.088784	-0.036707	-0.121381	0.069561	-0.016449	0.02511	0.020865	0.00649	-0.023742	-0.002918	0.02297
51	-0.013572	-0.160764	-0.00612	-0.044608	0.075682	-0.009381	-0.002669	-0.016237	-0.018042	-0.012852	-0.034846	0.044047	-0.010705	-0.004582
52	0.040694	0.085538	-0.02485	0.064863	-0.045906	0.070604	0.04884	0.12815	-0.046185	-0.020292	0.009745	-0.089829	-0.030198	-0.001113
53	-0.072597	0.033226	-0.007055	0.022296	-0.004707	-0.007272	0.057478	-0.002178	-0.133848	-0.118267	-0.081029	-0.082824	-0.018549	0.141936
54	-0.053624	0.013655	-0.133379	-0.027821	0.055694	0.063116	0.017059	-0.016089	0.004195	-0.116161	0.011905	0.007185	0.096504	0.005636
55	0.016074	-0.118201	-0.091134	0.035984	-0.017939	-0.0074	0.043891	-0.168014	0.064302	0.084673	-0.01236	0.046825	0.038305	0.019969
56	0.077473	0.049658	0.056776	-0.026965	-0.06894	0.012124	-0.032083	0.170227	-0.087085	-0.019551	-0.062325	-0.036922	-0.071891	0.042322
57	0.05663	-0.009351	0.057138	0.018595	-0.019663	0.025489	0.042201	0.029899	0.117542	0.026515	-0.013777	0.023454	0.160109	0.036203
58	0.00795	0.056638	0.076939	0.010461	0.019747	-0.043275	-0.011718	0.02398	-0.071616	-0.031504	-0.033742	-0.029977	0.116195	-0.043295
59	-0.023861	0.110177	-0.018343	0.025948	-0.015856	0.022499	0.126395	-0.026248	0.103071	-0.067794	-0.074573	-0.053728	0.01619	0.026335
60	-0.001393	-0.022041	-0.000287	0.051296	0.025728	0.051207	-0.019493	-0.002239	0.023183	0.014195	0.01308	0.049021	0.020781	-0.004896
61	0.00089	-0.041203	0.006295	0.012671	0.036317	-0.002241	0.013251	-0.033847	0.007055	0.031721	0.023343	0.032134	0.033963	-0.022459
62	-0.033122	0.039466	-0.004411	0.019212	-0.006823	0.019743	-0.028467	-0.017209	0.035972	-0.045858	0.009406	0.028987	-0.015962	-0.008375
63	-0.001826	-0.035578	0.007381	-0.002891	0.009305	0.000307	-0.019385	-0.02823	0.005164	0.011213	0.000487	0.013699	-0.001706	-0.001465
64	0.028303	-0.05201	-0.026037	-0.00286	-0.003537	-0.000295	0.000065	-0.031017	0.027135	0.002463	0.000342	-0.008824	-0.001562	0.018425
65	0.033221	-0.007524	-0.003057	0.016153	0.008609	0.007151	-0.008411	-0.00814	-0.016091	-0.007475	0.014948	0.002081	-0.017739	0.021423
66	0.050556	-0.012646	-0.014774	0.005533	0.003396	0.01561	-0.025336	0.002927	0.000078	0.010288	0.009971	0.000785	0.008683	0.00042
67	0.039025	0.045351	0.009589	-0.003972	0.013034	0.003017	-0.023707	-0.000913	0.048135	-0.026047	0.016574	0.030544	0.067019	0.028039
68	-0.024294	0.041409	0.062746	0.0222	-0.027662	-0.016894	0.051637	-0.040998	0.082765	0.022897	0.006296	0.011937	-0.010009	0.045388
69	-0.023265	0.029494	0.039444	-0.045988	0.012935	-0.012712	0.047495	-0.018519	0.025039	-0.005677	-0.035299	0.021771	0.010812	0.011113
70	0.003644	0.010769	0.007725	0.010763	0.015263	0.022085	-0.03841	0.002971	0.020894	-0.036488	-0.008614	0.014286	-0.002639	-0.015855
71	0.021769	-0.02853	0.02517	-0.037026	0.026264	-0.005848	0.009372	-0.028619	0.012622	0.016681	-0.014612	0.017398	0.043326	0.021383
72	0.002277	-0.044696	0.010865	0.009072	0.023792	0.016927	-0.00202	-0.043934	0.030795	-0.001816	-0.037053	0.023909	0.015505	0.029648
73	0.015903	0.054648	-0.02804	-0.006901	-0.051778	0.03906	0.013322	-0.022446	0.020978	-0.003037	-0.009923	-0.007006	0.041395	-0.002557
74	-0.004008	0.024041	-0.034378	0.042694	-0.001482	-0.062715	-0.024809	-0.021731	-0.028128	-0.035391	-0.000675	-0.027262	-0.028637	0.028505
75	0.00449	-0.013967	0.010655	-0.011998	0.022754	0.029429	-0.024002	-0.022828	0.018338	0.015914	0.007667	0.019128	0.011159	0.002376
76	-0.00649	0.011839	-0.027394	-0.005691	0.009884	0.001493	-0.030352	-0.036944	-0.025705	-0.010106	0.001963	0.008275	0.027346	-0.002952
77	0.008509	-0.012971	0.02019	-0.02414	0.022777	0.013704	-0.022092	-0.017544	0.023322	0.015787	0.002497	0.0228	0.016987	-0.000993
78	-0.008486	-0.002453	0.025377	-0.012577	0.020154	0.016598	-0.018115	-0.015867	0.046366	0.02449	0.001588	0.020293	0.021871	0.003452
79	0.022736	-0.007998	-0.024672	-0.013146	0.007328	0.03081	-0.014866	-0.030726	-0.009747	-0.01535	-0.000595	-0.01217	-0.008234	0.005075
80	0.00858	-0.097062	-0.02215	-0.02136	0.027775	0.013874	0.0575	-0.014721	0.022307	-0.028472	-0.003047	0.023396	-0.004205	0.007924
81	-0.018126	0.052526	0.013599	0.031656	-0.000827	-0.002403	0.005318	-0.005316	0.000993	0.01435	0.03973	0.014481	0.050972	-0.008886
82	0.000037	-0.015343	-0.010506	0.032404	0.008057	0.018675	0.010587	0.001881	-0.007689	-0.004554	0.00237	0.005258	-0.026347	0.007021

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
83	-0.008074	-0.019721	0.004421	0.004446	0.021678	-0.006942	0.015518	-0.012414	-0.002054	0.014688	0.009238	0.004853	-0.032068	-0.000053
84	-0.00892	-0.02406	-0.010387	-0.00969	0.017226	0.012622	-0.01323	0.007129	-0.016337	0.00415	-0.008283	-0.007351	-0.003754	-0.015188
85	-0.01426	-0.018175	-0.006246	0.017849	-0.023441	0.007264	0.016707	-0.005422	0.011946	-0.010232	0.013878	0.024662	-0.00165	0.001455
86	0.033352	0.001468	0.018114	-0.007804	0.023737	0.01141	-0.010607	0.026083	0.003529	0.018039	-0.020961	0.010274	0.006776	0.013828
87	0.017777	0.022583	-0.02211	0.000327	0.031206	0.023288	0.031222	-0.021449	0.007514	-0.029839	0.000641	0.024799	0.053455	0.018757
88	0.002478	0.005038	0.002939	-0.014151	0.025089	0.002063	0.006655	0.004811	0.002413	0.017126	-0.002161	0.006892	-0.011842	0.005847
89	-0.015456	0.012411	0.017872	0.000207	0.010432	-0.02126	0.030367	-0.004088	0.018378	0.004358	-0.005777	-0.004873	-0.013478	0.010894
90	-0.016781	0.023181	0.017134	0.001467	0.003549	-0.04138	0.038663	-0.018311	0.002992	-0.015271	-0.008953	-0.003783	-0.013035	0.018346
91	-0.008316	-0.028582	0.004698	0.021222	-0.001989	-0.004609	-0.02629	0.022381	0.006676	-0.006519	-0.016051	-0.016172	-0.028988	0.008992
92	-0.044838	-0.03138	0.00487	0.035379	-0.049341	0.02745	-0.044817	0.029171	0.02684	-0.006928	-0.006482	-0.01099	0.024157	-0.023813
93	0.017499	-0.006602	0.043545	-0.025169	0.011728	-0.031389	-0.004626	-0.017329	0.010915	0.002876	0.004266	0.011416	-0.020314	0.004016
94	-0.038287	0.007009	0.021132	0.032154	-0.021791	0.016105	0.006657	0.022125	0.031553	0.001085	-0.026329	0.019345	-0.043837	0.007736
95	-0.039724	0.010512	-0.009955	0.002337	-0.033679	0.049082	0.036448	0.003114	-0.010092	-0.02935	-0.016808	-0.012303	-0.022709	-0.035299
96	-0.010275	0.004174	-0.038294	-0.023373	-0.01554	0.014078	0.012279	0.044148	-0.058513	-0.058807	-0.025418	0.006851	0.037029	0.013501
97	0.009032	-0.025607	-0.010332	0.026976	-0.012724	0.01476	0.047316	-0.010234	-0.023952	-0.019562	0.005634	-0.003895	0.000632	0.01514
98	0.021893	-0.006738	-0.009441	0.014121	0.000844	0.015867	0.016919	-0.004261	0.000464	-0.014468	0.013224	0.007471	-0.000453	0.011285
99	-0.017275	-0.015666	-0.014856	-0.000429	-0.018758	-0.014556	-0.00409	0.008973	-0.016511	-0.026755	-0.006535	0.012388	-0.007045	0.009506
100	-0.0089	-0.005405	0.004321	0.024766	0.027554	0.020961	0.014841	-0.008265	-0.012763	-0.021949	-0.015331	-0.000866	-0.01491	0.012262
101	0.016664	-0.005439	-0.005518	0.022284	0.006853	0.00703	-0.0118	-0.014207	0.025893	-0.005805	0.015177	0.011973	0.025539	0.010235
102	-0.040323	0.012001	-0.015285	-0.011452	-0.017515	0.04748	0.043636	0.015811	-0.055844	-0.030731	0.016064	-0.004783	-0.013491	-0.002496
103	0.015215	-0.028684	0.055955	-0.045152	0.029915	0.034468	0.00523	0.002625	-0.037075	0.006163	0.015451	-0.024248	-0.026429	0.009344
104	-0.002584	0.016116	-0.000938	-0.024298	0.018103	-0.026005	-0.009511	0.034721	-0.045296	-0.035653	0.016237	-0.006148	0.025053	0.012554
105	-0.022636	0.067317	0.023454	-0.033091	0.033327	-0.017748	0.00867	-0.02593	-0.014487	0.001028	0.03859	0.018174	-0.010708	0.000081
106	0.022288	-0.051656	-0.022628	-0.025993	-0.050532	0.021426	-0.047688	0.013722	0.03204	0.060705	0.000813	-0.006657	-0.001938	-0.017317
107	-0.006648	-0.021602	-0.02051	-0.00591	-0.040219	0.002072	-0.005085	-0.009277	0.055761	0.018358	-0.025088	0.038423	0.055556	-0.018948
108	0.009646	-0.02999	-0.098191	-0.080471	-0.038439	-0.039735	-0.033881	-0.050805	0.006816	-0.010709	0.007352	0.012864	0.061273	-0.01021
109	0.701548	-0.003068	-0.010382	0.044557	-0.085798	0.000903	0.030922	-0.033216	0.042204	-0.002354	-0.017583	0.036806	-0.022787	-0.013428
110	-0.004842	0.659241	-0.042502	-0.018569	0.004807	0.028523	-0.058353	-0.035855	0.011934	0.06535	-0.014216	0.034329	-0.011328	-0.02395
111	0.007184	-0.045493	0.745116	0.001833	-0.057629	0.094493	-0.05884	-0.048625	-0.036607	-0.002952	0.002887	-0.01154	0.006469	-0.020549
112	0.04837	0.012111	0.006457	0.793148	0.006467	-0.053672	-0.007356	-0.052818	-0.030837	0.019517	-0.019613	0.005252	0.034781	-0.027011
113	-0.073776	0.011254	-0.055149	0.013965	0.806559	-0.023358	0.034803	0.016241	0.017897	-0.023303	-0.007529	-0.005881	-0.009698	-0.032804
114	-0.033007	0.036257	0.109872	-0.030287	-0.046039	0.630254	0.036304	-0.013169	-0.003604	-0.03692	0.035977	-0.00892	-0.02552	0.01218
115	0.026273	-0.05308	-0.060143	0.00307	0.023757	0.009845	0.746273	0.035653	-0.009086	-0.02477	-0.010673	0.001648	-0.012252	-0.051367
116	-0.028235	-0.037832	-0.052599	-0.033206	0.007239	-0.012747	0.05672	0.730992	0.057234	0.033957	0.015409	0.007062	0.007604	0.014407
117	0.044643	0.009902	-0.020873	-0.031772	0.008633	-0.011767	-0.015403	0.031602	0.708533	-0.077773	-0.008505	-0.105852	-0.074588	-0.020154
118	0.002254	0.048833	0.008469	0.029418	-0.022644	-0.027254	-0.007671	0.03252	-0.058999	0.743028	-0.045637	-0.03512	-0.011724	-0.040138
119	-0.032799	-0.00594	0.012009	-0.021492	-0.008274	0.009295	-0.025588	0.002773	-0.001598	-0.042849	0.864986	-0.038113	0.002765	-0.006661
120	0.034786	0.038967	-0.005579	0.00542	-0.009148	-0.005597	0.005909	0.008473	-0.120599	-0.045093	-0.036578	0.8596	-0.064985	0.005256
121	-0.007326	-0.017054	0.010109	0.008996	-0.005931	-0.032838	-0.00183	0.008448	-0.081553	-0.039526	-0.006533	-0.056542	0.698361	-0.000357
122	-0.000216	-0.027004	-0.009985	-0.006655	-0.006936	0.019288	-0.042341	0.008391	-0.017089	-0.021701	0.009011	0.006425	-0.004736	0.866642
123	-0.004581	-0.035466	-0.00318	0.001828	-0.007671	0.006787	-0.051183	-0.013633	0.019892	-0.019061	-0.043276	-0.011054	-0.036593	-0.097056

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
124	-0.010258	-0.005185	-0.005402	-0.028164	0.003207	0.009442	-0.018831	-0.02279	-0.003997	-0.025059	-0.096824	-0.02424	0.021142	-0.027946
125	0.032153	-0.02025	0.003155	-0.037757	-0.003564	0.028039	0.007595	0.036086	-0.033274	-0.029872	0.0042	-0.012903	-0.006163	0.014482
126	-0.018377	0.023586	-0.008115	0.029349	-0.032476	-0.009567	-0.003317	0.033863	-0.047654	-0.091464	-0.008343	-0.013132	-0.082801	-0.057391
127	0.002345	-0.001562	0.016424	0.019099	0.000958	0.021427	-0.009218	0.035848	0.003848	-0.03672	-0.021586	0.00997	-0.010613	-0.02009
128	0.001037	-0.044197	0.050234	0.00552	0.026312	-0.012349	0.006664	0.02369	0.008534	-0.014909	-0.017383	0.001728	0.013833	0.010417
129	0.017787	-0.034079	-0.030204	-0.095896	-0.002953	0.030994	-0.016135	0.003235	0.019724	0.026781	-0.023591	0.019763	0.018939	-0.033191
130	-0.024696	0.030555	0.039732	-0.005403	-0.000603	0.055613	-0.082768	0.016679	0.054244	0.016696	-0.01544	-0.008769	-0.02269	-0.014733
131	0.008997	-0.019851	-0.023544	-0.009755	-0.022247	0.081427	0.064951	-0.079605	0.008768	-0.003468	-0.030569	0.015437	-0.024113	0.005832
132	0.01974	-0.02315	-0.004499	-0.01636	0.034787	0.019301	0.022554	0.012727	-0.032282	0.002253	-0.030932	-0.027833	0.013486	0.01928
133	-0.038204	-0.047984	0.038187	0.01717	-0.007265	0.034336	0.058278	0.026031	0.009804	-0.014023	-0.023446	0.009367	-0.017303	0.039291
134	0.013663	0.055751	-0.014974	-0.001866	0.027768	0.033927	-0.031534	-0.039741	0.019565	-0.03874	-0.016491	0.03483	-0.006258	-0.024582
135	0.00419	0.040738	0.022103	-0.01297	0.014671	0.00255	0.0359	0.004762	-0.001854	-0.016124	-0.028876	-0.034093	0.01847	0.013611
136	-0.022558	-0.034971	-0.055372	0.072337	-0.021465	0.045722	-0.032045	-0.030986	0.016046	-0.035854	-0.058034	-0.017141	0.02744	-0.000045
137	0.002267	0.020724	0.060412	0.014597	-0.016332	0.019523	0.024113	0.004486	0.071932	-0.031741	-0.01394	0.013739	0.01179	0.003873
138	-0.035206	0.013557	0.010117	-0.012361	-0.064048	-0.030537	0.051014	-0.026472	0.034751	-0.000972	-0.031256	-0.005971	-0.014226	0.004976
139	-0.045477	-0.024936	-0.048927	0.024146	-0.015179	0.012116	-0.012127	0.01449	0.02212	0.000602	-0.015002	-0.010644	-0.017206	-0.005762
140	0.049814	-0.008272	0.039915	-0.043188	0.011774	-0.014252	0.00622	0.026182	-0.025465	0.01405	-0.003823	0.01187	0.016702	0.004201
141	0.002137	-0.001778	0.074229	-0.012535	0.053667	-0.006339	0.024096	0.017201	0.023791	0.015677	-0.007584	-0.002011	0.0103	-0.001857
142	-0.013117	0.010417	-0.006815	-0.027464	-0.014929	-0.019156	-0.014447	0.008253	-0.058361	0.005328	-0.006101	-0.034375	-0.032636	-0.03696
143	0.007823	-0.003082	0.028758	-0.030432	0.012625	-0.009279	-0.018946	0.017034	0.025351	0.037875	0.014422	0.015864	0.033899	-0.06821
144	0.010969	-0.006964	0.003871	-0.011758	0.002422	0.006942	-0.014715	-0.031488	0.039865	0.013185	-0.065435	-0.002574	0.022539	-0.048416
145	-0.01272	-0.0229	0.026743	0.055566	-0.035456	-0.044009	0.031964	0.024914	-0.008075	-0.067345	-0.016424	-0.001838	0.006351	-0.035045
146	0.031876	0.037197	0.001862	-0.011031	0.004147	0.019135	0.063612	-0.01303	-0.0263	-0.018387	-0.021086	-0.04602	0.004654	0.029654
147	0.009348	0.030706	0.013368	-0.01888	-0.090785	-0.055542	0.02431	0.013838	-0.085817	0.017732	0.0037	-0.054264	-0.049938	-0.014256
148	0.007514	0.0333	-0.041814	0.001591	-0.039568	-0.015729	-0.011681	-0.022496	-0.029674	-0.073539	-0.002341	-0.027651	0.082888	-0.042468
149	0.024272	0.011016	0.032894	0.016932	0.034068	-0.028306	-0.031983	0.033206	0.007985	-0.023716	0.013974	0.002183	-0.007777	-0.017006
150	0.033077	0.02863	0.016457	-0.041447	-0.030342	-0.001789	0.032769	-0.029938	-0.008531	-0.024121	0.003973	-0.05129	0.009021	-0.003936
151	0.0252	-0.026611	-0.008254	-0.005929	0.026825	0.018005	-0.080451	-0.003157	0.022164	-0.006744	-0.01967	0.039617	0.073272	-0.042654
152	0.017709	-0.017144	-0.014617	-0.036538	0.014527	0.020458	-0.018962	0.013958	0.013549	0.007054	-0.050531	-0.000354	-0.01241	-0.004097
153	-0.006159	-0.059077	0.002063	-0.015195	0.037126	0.026426	-0.007905	-0.005229	-0.005219	-0.011986	-0.040139	-0.02233	-0.005739	-0.012162
154	-0.010859	-0.002834	-0.054802	0.02355	-0.012907	0.070449	-0.010314	-0.03951	-0.005245	0.022383	-0.019637	-0.018616	-0.015795	-0.007323
155	0.02187	0.013545	-0.054334	-0.003211	0.019734	0.025373	0.007012	0.015921	0.036806	-0.020745	-0.044073	-0.020659	-0.004976	0.018762
156	-0.021557	-0.002791	-0.012105	0.03825	-0.018167	0.049351	0.002533	-0.001375	0.030614	0.020633	-0.033042	0.000016	-0.015512	0.014744
157	0.027471	-0.019595	-0.012595	-0.006785	0.001928	0.018325	-0.003636	0.020475	-0.06185	-0.007187	-0.018996	-0.050359	-0.010202	-0.006695
158	-0.060606	-0.065645	-0.053694	0.02632	0.027567	-0.039516	-0.045227	-0.043589	0.08049	0.035033	-0.017778	0.007581	0.0234	0.017692
159	-0.047545	-0.017198	0.049461	0.002859	0.010635	-0.057574	0.042458	-0.020871	0.025295	-0.020082	-0.006873	-0.015742	-0.019322	0.01883
160	-0.052581	-0.132397	0.024034	-0.002032	-0.077212	-0.002601	0.013753	0.032767	-0.033285	-0.058045	-0.037387	0.011608	-0.056001	-0.040246
161	-0.046813	0.009011	0.007772	-0.04927	0.023734	-0.070351	0.029991	-0.068776	0.047466	0.041633	-0.024076	-0.006545	0.057729	0.006226
162	0.037233	0.025946	0.036995	-0.032334	0.006064	-0.0032	0.041496	-0.044021	-0.003417	-0.035262	-0.042231	-0.023146	-0.015303	-0.004511
163	0.03338	0.011131	-0.004023	-0.032715	0.007397	0.030774	-0.003385	0.034299	-0.026797	0.0015	-0.019759	-0.005791	-0.007429	-0.013409
164	-0.025083	0.042319	0.05192	0.010674	-0.020772	-0.014836	-0.004799	0.053846	0.00699	-0.041047	-0.036826	0.035819	0.05338	0.011629

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
165	0.013262	0.046799	-0.063811	-0.016424	-0.00331	0.046797	-0.028913	0.048314	-0.029466	-0.06525	-0.017337	0.028028	-0.029771	-0.011044
166	-0.079499	0.018938	-0.01351	-0.026	-0.046364	0.001248	0.010931	0.003156	-0.04028	0.025123	-0.043999	-0.02289	0.012511	-0.002217
167	-0.014803	0.010249	0.002348	0.04743	-0.046873	-0.031452	-0.017846	0.043661	0.031823	-0.027017	-0.028296	-0.004691	-0.007801	0.007086
168	0.013695	0.008845	0.062815	0.0059	0.010204	0.005562	-0.003875	0.021505	0.043647	-0.04826	-0.011493	0.023612	0.009155	-0.024628
169	0.016354	-0.008928	0.007783	-0.011275	0.00008	-0.019527	0.015729	-0.025097	-0.013591	0.011385	0.006367	-0.032355	0.007682	0.012768
170	0.023794	-0.011967	0.036365	-0.00467	0.015762	-0.044451	0.010561	-0.042051	0.004978	0.023787	0.007519	-0.013034	0.00825	0.020715
171	0.008788	0.014526	0.015156	-0.019037	0.020701	-0.040851	0.015473	-0.022741	0.015285	-0.000284	-0.001567	-0.020286	-0.03763	-0.000398
172	-0.008359	0.000228	-0.003382	-0.006684	-0.015274	-0.040576	0.016345	-0.027263	-0.013233	-0.013538	-0.013394	-0.044303	0.00114	0.015023
173	-0.004062	-0.005848	-0.01223	0.003005	-0.017456	-0.021359	-0.011151	0.006503	0.0024	-0.01803	0.030319	-0.003246	-0.043016	0.00477
174	-0.003399	-0.012377	-0.009239	0.002204	-0.03378	-0.019215	0.002569	0.006286	0.048175	0.023863	0.023582	0.000996	0.000663	0.005066
175	0.037563	0.036815	-0.014443	-0.022304	-0.045619	0.013981	0.002364	-0.005434	-0.011564	-0.009001	0.017438	-0.033696	0.024085	-0.044356
176	0.002804	0.01116	-0.037272	0.020891	-0.005674	0.041876	0.010199	-0.040857	-0.01857	0.007656	-0.010643	-0.020766	-0.002496	0.01633
177	-0.027533	0.023928	-0.005666	0.026079	-0.005376	0.001279	-0.032794	0.010959	-0.011846	-0.018603	-0.053995	-0.052122	0.013532	0.047194
178	0.030008	-0.012327	-0.001098	-0.008019	-0.004264	0.031107	0.000453	0.01933	0.016724	-0.000972	-0.008589	0.00061	0.007367	-0.004395
179	0.021427	-0.016535	-0.00597	0.004421	0.003139	0.002782	0.001246	0.013555	-0.002161	-0.020773	-0.004302	-0.002888	-0.013987	-0.00403
180	0.026243	-0.021092	0.002988	0.003093	0.000553	-0.001707	-0.001085	0.006981	0.004534	-0.021472	0.001649	-0.003485	-0.012668	0.001236
181	0.019115	-0.036384	-0.007482	0.002532	0.007838	0.002426	-0.005785	-0.003139	-0.00021	-0.005745	0.002298	0.003783	-0.011674	0.001673
182	0.024358	-0.020616	0.011153	0.007827	0.022673	-0.016632	-0.001856	-0.013835	0.000057	-0.01663	-0.006011	-0.003478	-0.013293	0.006313
183	-0.000904	-0.002533	-0.014078	0.001498	0.019928	-0.003419	0.01439	-0.01569	0.016686	-0.029026	-0.018922	0.002799	-0.045183	-0.004724
184	0.002301	0.000886	-0.032679	-0.031401	0.009699	-0.014364	0.006874	-0.005844	0.026718	-0.002011	-0.026149	-0.004198	-0.076511	-0.003912
185	0.016824	-0.058565	0.022912	-0.037661	0.008806	0.011995	-0.003976	-0.015053	-0.036755	0.007083	0.009467	-0.018432	-0.005013	-0.034009
186	-0.057941	0.01923	0.015706	-0.010955	-0.003977	-0.006944	-0.030323	0.019405	0.013912	-0.010542	-0.018731	-0.02184	-0.032438	-0.033934
187	0.000882	0.014208	0.003915	0.015478	0.013149	-0.021856	-0.008598	0.00922	-0.033129	-0.041283	0.004034	-0.021638	-0.033365	0.009515
188	-0.000317	-0.006147	0.002732	0.008473	-0.006305	-0.024547	0.007724	-0.009637	0.000814	-0.010638	-0.000426	-0.014894	-0.019823	0.017894
189	0.002295	-0.013004	-0.028708	0.000315	-0.012662	-0.004987	0.012516	-0.036329	-0.022732	-0.015431	0.012724	-0.032335	-0.027505	-0.011201
190	0.019366	0.013517	0.032691	0.025111	0.017744	-0.009004	-0.017726	0.00941	0.017177	-0.007149	-0.012111	-0.00002	-0.012362	0.012512
191	0.008786	0.025566	0.00695	0.022539	0.048398	0.017136	-0.018225	0.029364	-0.02132	-0.022052	-0.016153	-0.020524	0.013779	0.016151
192	0.026714	0.017831	0.045647	-0.019603	0.040431	-0.015627	0.04638	-0.005778	0.034456	0.005567	-0.019484	0.023361	-0.004005	-0.002789
193	0.008407	0.007593	0.027958	0.007898	0.021743	0.011299	0.022791	0.00039	0.01433	0.021068	-0.018602	0.001709	0.006448	0.005504
194	0.013906	0.029429	0.004618	-0.00766	-0.003556	0.038967	-0.009655	0.005636	-0.015698	-0.014874	-0.008489	-0.022865	0.010129	-0.021691
195	-0.014724	-0.037936	-0.028487	-0.009504	0.005539	-0.032357	-0.007711	-0.041752	0.001903	0.015782	-0.000773	0.004032	-0.011972	-0.009855
196	0.01698	-0.00316	-0.012561	-0.019419	0.009578	-0.034753	-0.026688	-0.03461	0.002189	0.007701	-0.005156	-0.003829	-0.008131	-0.014844
197	0.051395	0.013182	0.053905	0.012642	0.057073	-0.039696	-0.017001	0.014123	0.011627	-0.015363	-0.007294	0.001492	0.002384	0.018354
198	0.020793	0.025226	-0.004673	-0.034203	0.002562	-0.031485	0.003048	-0.023581	-0.030988	-0.022819	-0.010837	-0.025809	-0.006982	-0.014868
199	0.008489	0.035021	0.000552	0.054066	-0.024236	0.011938	-0.062735	0.080139	-0.00511	0.037865	0.01845	-0.02745	-0.011441	-0.029653
200	-0.072393	-0.002288	0.017288	-0.018746	-0.007202	-0.024512	0.043248	0.008081	0.048419	-0.015043	-0.036724	0.031807	0.032688	0.018427
201	-0.051311	0.014551	-0.041258	-0.001012	0.017048	-0.001855	0.030063	-0.071493	-0.00766	-0.037796	-0.006709	0.022665	0.043313	-0.003523
202	-0.010119	0.032101	0.002818	-0.022821	-0.022017	-0.030007	-0.017692	0.021603	-0.001309	-0.00098	-0.011226	0.011275	0.002593	-0.024107
203	0.050351	-0.005285	0.030208	-0.02326	0.034906	-0.025711	-0.015072	0.022175	-0.012557	-0.01276	-0.000622	-0.014958	-0.007167	0.003613
204	0.011362	0.021539	-0.065266	-0.054263	0.008429	0.012873	-0.030046	-0.089572	-0.067444	0.002754	-0.018753	-0.026675	0.000873	-0.004748
205	-0.017631	-0.008877	0.005435	-0.013292	-0.007188	0.096132	0.005363	0.09428	-0.01593	-0.046908	-0.008845	0.053689	0.006767	-0.02177

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
206	-0.0235	-0.023929	-0.019021	-0.061328	-0.022959	-0.062052	-0.046082	0.004702	-0.010333	0.010976	-0.004188	0.03613	0.004427	-0.008918
207	0.033254	-0.035244	-0.009128	-0.035303	-0.012318	-0.014444	-0.123397	0.000647	0.027252	-0.039473	-0.053806	-0.010876	-0.024216	-0.018677
208	-0.045029	-0.051788	0.013495	-0.031282	0.017722	0.037949	-0.037425	0.027049	0.017592	0.001699	-0.038436	0.023887	-0.003943	0.020073
209	0.004133	0.001715	0.005117	-0.039104	0.011791	-0.028103	0.029504	-0.059137	0.012141	0.053313	-0.005703	-0.003489	-0.049468	0.007598
210	0.043371	-0.011628	-0.084045	-0.006193	-0.016176	0.031905	0.058452	-0.021439	0.01022	0.020319	0.017382	-0.014068	0.042439	0.024206
211	-0.003388	0.00708	-0.029318	0.004159	-0.008968	-0.010768	-0.015062	-0.012508	0.024508	-0.005569	0.025047	0.00363	0.016119	0.031957
212	0.014604	-0.018701	0.019233	-0.018906	-0.024959	-0.019125	0.043518	-0.058449	-0.007705	0.006179	0.016534	0.013787	-0.013377	0.044277
213	-0.024668	0.023001	-0.005025	-0.032096	-0.040149	0.018312	-0.006629	0.093629	-0.01992	-0.01037	-0.0609	-0.016104	0.074788	-0.014912
214	-0.001777	-0.007243	-0.00685	-0.005629	0.002492	-0.000199	0.009564	-0.011367	0.006834	-0.021212	-0.010609	-0.009968	-0.031108	-0.001568
215	-0.015576	-0.04443	-0.047849	-0.032615	-0.008258	0.119808	-0.006621	0.050485	-0.000468	-0.029642	-0.028716	-0.001752	0.039734	-0.025453
216	0.023402	0.015931	-0.011433	-0.01556	-0.01114	-0.003757	-0.021857	0.009637	0.017852	-0.07156	-0.000856	-0.002973	0.024585	-0.029319
217	-0.02492	0.019797	-0.020101	0.005265	-0.043793	0.010724	-0.006006	0.04265	-0.040522	-0.016848	-0.023948	-0.01795	-0.000996	-0.011189
218	-0.014174	-0.00654	-0.013286	0.001103	-0.011376	0.002305	0.019942	-0.016687	0.018913	0.021993	0.022169	-0.00254	0.003014	-0.025643
219	-0.031171	0.016853	-0.029595	-0.027442	-0.038142	-0.03865	0.007346	-0.041669	0.026514	-0.010722	0.016351	-0.003873	-0.011888	-0.020332
220	-0.005257	0.003466	-0.036878	0.023637	0.004019	0.053751	-0.008351	-0.023031	-0.007287	-0.015057	-0.009556	-0.000453	-0.018429	0.002516
221	0.010353	0.00247	-0.036645	-0.008136	-0.027245	0.012293	0.014662	0.009257	-0.011056	-0.029236	0.025896	-0.005487	-0.061888	0.002741
222	0.005829	0.00983	-0.006705	-0.004816	0.003994	0.023711	0.022324	0.007807	0.03471	0.011237	0.01194	0.024042	-0.019237	0.008947
223	0.002439	-0.003006	-0.018574	0.000706	0.015511	0.05476	-0.013574	-0.00027	0.019762	0.021768	0.025297	0.017111	0.002124	-0.004852
224	-0.005279	0.027084	-0.052634	0.012036	-0.043863	-0.000443	-0.03808	0.025302	-0.001895	-0.0422	0.00194	-0.01562	0.011412	-0.007903
225	-0.012736	0.026858	-0.04294	0.025703	-0.051394	-0.003757	-0.017538	0.024801	0.007137	-0.046387	0.009162	-0.01754	0.004408	-0.003603
226	-0.021708	-0.019507	-0.007836	-0.022997	0.013939	0.03213	0.008013	-0.038119	0.003161	0.036236	-0.001989	-0.002257	-0.011504	-0.020614
227	0.014818	-0.014488	-0.009602	-0.018466	-0.007733	0.011444	-0.022697	-0.004831	-0.029114	-0.024854	-0.000756	-0.029951	0.020565	-0.021902
228	0.012629	-0.00386	0.052591	-0.019498	0.021555	-0.004622	-0.00541	0.018461	0.022669	-0.018072	-0.011842	0.001656	-0.02341	-0.015761
229	-0.017227	-0.002161	0.036435	0.016987	-0.002987	-0.015015	0.037611	0.042881	0.011251	-0.00496	-0.012019	-0.003381	0.012801	0.004698
230	0.006876	0.001681	0.028362	0.003448	-0.01233	0.001167	-0.000737	0.022095	0.037772	-0.049848	-0.012559	0.010232	0.053475	0.007481
231	-0.031756	-0.039021	0.003944	0.003525	0.016792	0.003914	-0.017548	-0.037144	-0.037413	0.011448	0.000065	-0.016788	0.013762	0.012067
232	0.008827	-0.029097	-0.0388	-0.017542	0.019542	0.039005	-0.013892	-0.016933	-0.010325	0.004353	0.011081	0.003975	-0.009296	-0.026622
233	-0.035745	-0.026597	-0.012295	0.005425	0.010441	0.028642	0.028457	-0.00586	-0.022748	-0.032018	0.008879	0.002296	-0.007496	-0.048505
234	-0.028938	-0.005562	0.085065	-0.03945	0.015893	-0.030245	0.025609	-0.026153	0.008371	-0.02622	0.002347	0.008716	-0.003355	0.005602
235	-0.059288	0.017292	0.042562	-0.008528	-0.014505	0.009819	0.035813	-0.013548	-0.025517	-0.012548	-0.007329	-0.013615	-0.012631	0.011459
236	0.025062	0.020864	-0.029204	-0.019903	-0.009783	-0.00367	0.003073	-0.001709	-0.019843	0.009795	0.013408	0.003643	0.020339	0.006955
237	-0.003373	0.048669	0.034907	0.014788	0.011291	-0.02065	0.019454	0.013644	-0.007472	-0.009899	0.00166	-0.011093	0.018088	0.015308
238	-0.031795	0.029265	0.01015	-0.002052	-0.012804	-0.032043	-0.006958	-0.014615	0.025947	-0.034899	-0.001289	0.012552	0.027298	0.008341
239	-0.023964	-0.009783	-0.019804	-0.015783	-0.014594	-0.015128	-0.018783	-0.016229	0.020431	-0.005067	0.002746	0.015077	0.025553	-0.012658
240	-0.004701	-0.013136	-0.002993	0.00263	-0.013912	0.007692	-0.018709	-0.010477	-0.045295	-0.012327	0.006581	0.005005	-0.040375	-0.028713
241	-0.019187	-0.00224	-0.006438	-0.001875	-0.008335	0.010506	0.020212	-0.032286	-0.012033	-0.016461	-0.000103	0.005269	-0.017761	-0.031968
242	-0.000145	0.020151	-0.013157	0.001207	0.006106	0.049645	-0.007458	0.017522	-0.020572	-0.003256	-0.000339	-0.006461	0.000579	-0.008002
243	-0.00529	0.048304	-0.004176	-0.000271	0.000474	0.036591	0.012614	0.003134	0.005865	-0.026217	-0.004265	-0.023446	0.028858	-0.00452
244	0.027904	-0.003344	-0.000023	-0.0036	0.008236	0.00183	0.003411	0.0252	-0.012114	-0.019962	0.002326	-0.017306	-0.014455	0.014699
245	0.023273	-0.049898	0.01146	-0.008529	-0.004691	-0.023587	0.013306	0.034802	0.007332	0.036842	0.007782	0.012626	0.010122	0.005053
246	0.002993	-0.030681	0.000541	0.029312	0.022747	0.02573	-0.004208	-0.000409	0.00451	-0.00069	0.019393	0.029441	-0.001887	-0.004045

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
247	0.011673	-0.001616	-0.020807	0.010197	-0.01818	0.009499	0.000072	-0.010156	0.0071	-0.017283	0.021726	0.016243	-0.001921	-0.005373
248	0.018206	0.007976	-0.024692	-0.012812	-0.013193	0.017953	0.01899	-0.029417	0.007923	-0.015192	0.006731	0.004561	-0.009418	-0.000601
249	0.000294	-0.005206	0.01119	-0.005464	0.014914	0.018433	0.016997	-0.05259	0.015568	0.031568	-0.014181	0.037105	0.005976	0.00872
250	0.005971	0.00003	0.005096	0.015489	0.019074	0.011684	-0.026761	-0.008502	-0.041184	-0.019479	0.007549	0.000586	-0.015098	-0.007021
251	-0.030565	0.027643	0.024015	0.008502	-0.009724	-0.006013	-0.002253	-0.015505	-0.039413	-0.00849	0.003309	-0.007341	-0.05874	0.000639
252	0.000837	-0.008554	0.023684	-0.015558	0.006198	-0.019068	0.024811	-0.012844	-0.031376	0.052203	-0.01553	-0.01681	-0.007054	0.010007
253	0.037915	0.013356	0.002563	-0.017094	0.024947	0.044834	0.015902	-0.00706	0.031134	0.010525	-0.020097	-0.000822	0.039907	0.001868
254	0.022196	0.002651	0.001957	0.003101	0.022682	0.010667	-0.024284	0.002825	-0.006477	0.004062	0.01546	-0.001717	0.013931	0.015568
255	0.026803	-0.002153	0.019397	0.016835	0.01344	-0.001896	-0.009758	0.003386	-0.019124	-0.026158	0.012944	-0.008963	-0.014739	0.025924
256	0.026651	-0.034217	0.026267	-0.008099	0.000963	-0.020694	0.015593	0.017945	0.019941	0.004044	-0.018857	0.021544	0.020533	0.043451
257	0.015024	-0.053477	-0.010829	-0.012521	-0.005283	-0.009767	-0.03276	0.000533	-0.012038	0.009483	-0.014363	0.01961	0.008189	0.000165
258	0.024016	-0.010985	-0.032427	0.017697	-0.02707	0.023261	-0.008435	0.005765	0.004388	0.019225	0.003313	-0.005469	-0.00349	0.007879
259	0.002191	0.023664	0.024326	0.006292	0.016058	-0.013093	0.021046	-0.011478	0.00421	0.00497	-0.005774	0.005545	-0.012688	0.023049
260	0.007725	0.002	0.024015	0.005253	0.003116	-0.01783	0.016844	-0.011092	-0.021528	0.037215	-0.008213	-0.020868	-0.03225	0.023952
261	-0.017958	-0.008192	0.026224	0.014393	-0.018788	-0.024661	-0.000284	-0.023472	-0.017567	0.016859	-0.009182	-0.002294	-0.046815	0.011721
262	-0.003166	-0.020643	-0.010904	-0.00226	-0.02386	-0.007984	-0.012237	0.003958	-0.010402	0.028753	-0.005929	0.011872	0.002873	-0.004606
263	0.01126	0.003413	0.000774	-0.012078	-0.006738	-0.019921	0.006795	0.007843	-0.014109	0.016826	-0.012589	0.00259	0.009626	0.008579
264	0.0033	0.032781	0.015695	0.015996	0.008508	-0.019751	0.029895	-0.02559	0.026407	-0.021591	-0.007435	0.009174	0.012639	0.02429
265	-0.002812	0.017435	0.001614	0.019852	0.010856	-0.035465	-0.000253	-0.029519	0.008661	0.00443	0.004802	0.00082	0.033043	0.021695
266	0.008726	-0.00965	0.011639	-0.000094	0.013338	-0.032814	-0.014325	-0.031705	-0.012585	0.000805	0.015135	-0.002548	-0.010891	0.018431
267	0.002282	-0.036937	-0.025398	-0.008733	0.013016	0.039096	-0.010279	0.016902	0.031935	0.021008	-0.015149	0.003582	0.043487	-0.013029
268	-0.008409	-0.003648	-0.016815	-0.027171	0.021314	0.012084	0.001835	-0.026214	-0.002759	0.02261	0.000573	-0.008923	-0.005371	-0.01856
269	-0.014448	0.007125	-0.015895	-0.024184	0.012781	0.025561	-0.003115	-0.026366	-0.007968	0.014158	-0.000517	-0.013952	-0.013559	-0.010726
270	0.022626	-0.00803	-0.001198	-0.026876	0.020563	0.017574	-0.018829	-0.029584	-0.008538	0.018397	-0.007648	-0.017587	-0.005566	-0.015839
271	0.004912	0.017353	0.006529	0.017542	0.013976	0.000769	0.006466	0.020732	0.025234	0.024644	0.01783	0.024416	-0.007395	-0.021289
272	-0.030147	-0.008687	0.026594	0.028215	-0.013849	-0.021023	0.033771	0.019545	0.021465	0.018092	-0.016943	-0.001015	0.003703	0.004494
273	-0.007448	0.017733	-0.003942	0.014635	-0.00773	0.000679	0.02368	0.003493	0.014002	0.028591	-0.018184	-0.013059	0.003186	0.008748
274	-0.011135	0.019958	-0.002882	0.015793	-0.012171	0.002017	0.021868	-0.000776	0.009537	0.019276	-0.020481	-0.013498	0.001292	0.00874
275	0.033996	0.002282	0.014408	-0.002055	-0.011535	0.013117	-0.016455	0.008067	0.014378	-0.040396	-0.030305	-0.016467	0.023285	0.012892
276	0.027085	0.026259	-0.02224	-0.009218	-0.013876	-0.015332	0.005096	0.010498	-0.014338	0.016152	0.014733	0.003287	0.019071	0.001385
277	0.017722	0.013247	0.008083	-0.007082	-0.000671	-0.017192	0.012036	0.030268	-0.007045	0.025759	0.006883	-0.0148	0.006372	-0.007663
278	0.016295	0.007313	0.010399	-0.009479	0.000796	-0.002189	0.010944	0.027938	-0.011671	0.018152	-0.004331	-0.018911	0.00091	-0.006157
279	-0.015364	0.009473	-0.004312	-0.029709	-0.016757	-0.029893	-0.022595	-0.013958	0.016961	-0.010056	-0.000827	0.00754	-0.001056	-0.015752
280	0.018331	0.065448	-0.003714	0.005065	0.019784	0.040184	0.020986	0.027411	0.024643	-0.040472	-0.009118	-0.01172	0.054047	-0.011129
281	-0.012176	-0.040618	0.003107	0.038824	0.022055	0.036499	0.011241	-0.017756	0.020548	0.023869	0.011478	0.02482	-0.00876	-0.011305
282	-0.007562	-0.032529	0.005242	0.038735	0.017184	0.034405	0.009788	-0.004867	0.021307	0.029137	0.01959	0.028536	-0.015177	-0.004125
283	-0.007758	0.016258	-0.000168	-0.009702	-0.026055	0.006066	0.01964	-0.028282	0.01594	-0.008917	0.007427	0.009577	-0.025771	-0.013032
284	-0.005203	-0.02247	-0.000076	-0.006155	-0.010049	-0.014949	-0.020175	0.002449	0.000483	-0.000711	-0.021892	0.013939	-0.000431	0.004518
285	-0.000709	-0.030705	0.004049	-0.016793	0.000027	-0.012318	-0.029435	-0.004806	0.00337	0.010937	-0.016853	0.02219	0.002067	0.002251
286	-0.00213	-0.015655	-0.012663	0.021356	-0.022258	0.000008	-0.017984	0.007216	0.000733	-0.000274	-0.00937	0.000486	-0.001679	0.005336
287	0.011113	-0.007467	-0.000869	0.011599	-0.017066	0.008781	-0.010506	0.005727	0.000725	0.003532	-0.00837	-0.007439	-0.007366	0.002971

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
288	0.029245	0.038319	-0.017129	0.010152	-0.025413	0.043428	-0.009087	0.008663	-0.01065	0.003731	-0.010862	-0.028132	-0.049168	0.013101
289	0.023494	0.001435	-0.018152	-0.005287	-0.00761	0.01246	-0.008218	-0.000659	-0.031593	0.018246	-0.010404	-0.003112	-0.008065	0.00692
290	0.002132	0.039352	0.002606	0.011109	0.008431	0.022254	-0.01564	-0.00761	0.00669	0.003833	-0.029484	-0.026515	-0.023762	0.031408
291	0.002787	0.035258	0.003567	0.009549	0.006879	0.018458	-0.019563	-0.006589	0.00647	0.005047	-0.026783	-0.024635	-0.019579	0.029483
292	-0.005684	0.031845	0.004955	0.007147	0.005951	0.021402	-0.031599	-0.009226	-0.002223	-0.006811	-0.022364	-0.01937	-0.018379	0.021092
293	0.034106	-0.015906	-0.047629	-0.028	-0.015505	0.010615	-0.007134	-0.003232	-0.043474	-0.034834	0.006952	-0.022132	-0.008084	0.016857
294	0.000422	-0.007461	-0.011115	-0.01406	-0.003721	0.011148	0.025788	-0.011503	-0.005091	0.013697	0.008394	-0.013617	-0.011493	0.016595
295	0.006953	-0.009759	-0.004716	0.005865	-0.014509	-0.004855	-0.005704	0.023583	-0.014117	-0.000935	-0.01561	-0.007581	-0.002118	0.01744
296	0.01449	0.002337	0.018919	0.016545	-0.011105	0.048843	0.004498	0.014762	0.013937	0.023196	-0.006335	-0.008447	-0.027839	0.013569
297	0.017375	-0.02309	-0.02244	0.005335	-0.02061	0.019343	-0.006191	0.004282	-0.012847	0.011203	-0.013859	-0.013499	-0.003069	0.016744
298	-0.021981	-0.0038	-0.010041	-0.01754	0.008818	-0.010059	-0.014709	-0.011257	0.046936	0.034277	0.020659	0.016204	0.002077	0.035065
299	0.002478	-0.006265	-0.015202	-0.003506	0.006126	-0.008986	-0.000629	-0.019883	0.007387	0.017276	0.023421	0.000539	0.012011	0.005426
300	0.012015	0.014674	0.023305	0.008602	0.00621	-0.007787	-0.026227	0.019927	0.041008	-0.038925	0.000137	0.034553	0.003605	-0.007366
301	-0.000012	-0.010918	0.002749	-0.022633	-0.001556	-0.023013	-0.006068	-0.002814	0.005485	-0.001912	0.002706	0.013418	-0.000534	0.016432
302	-0.01275	-0.014631	-0.004694	-0.010982	-0.003293	0.001406	-0.027973	0.008307	0.022251	0.00188	-0.00811	0.02672	0.005755	-0.006416
303	-0.017753	-0.018492	0.002933	0.015832	-0.011631	-0.003004	0.000738	0.013616	0.02698	0.019195	0.033263	0.0073	0.018941	-0.0085
304	-0.010898	0.016153	0.019034	-0.007967	0.002305	0.00124	0.011039	0.002362	0.037084	0.015708	0.010634	0.005872	0.018709	-0.005577
305	-0.007516	-0.046437	-0.016001	-0.000535	-0.018411	-0.014939	-0.024005	0.002811	-0.021678	-0.059537	-0.017107	0.010208	-0.002455	-0.005663
306	0.028052	0.006733	-0.019299	0.041356	-0.038284	0.019469	0.029638	-0.018093	0.006221	-0.011637	-0.005953	-0.014765	0.005999	0.008362
307	0.032363	-0.040111	0.060457	0.030237	0.058408	0.014402	0.006897	-0.01036	0.042006	0.028644	-0.028143	-0.00668	-0.024832	-0.007257
308	0.067939	0.077364	0.019535	0.033779	0.06499	-0.000537	0.011094	0.017056	-0.032255	0.025359	0.021081	-0.0287	-0.031889	0.024616
309	-0.006846	0.004189	0.01678	-0.009749	0.003289	0.003148	-0.017534	-0.001453	0.010944	-0.005034	-0.003813	-0.004583	0.004045	0.006871
310	-0.051788	-0.040209	0.013111	0.026475	-0.009207	0.010631	0.001991	0.000921	0.028298	-0.021089	-0.012586	-0.000785	0.044189	0.022223
311	0.014338	0.038374	-0.006721	-0.024475	-0.004437	-0.026645	0.029854	-0.026552	0.012588	-0.002161	-0.005919	-0.019186	-0.015461	0.009646
312	-0.039763	-0.005806	-0.058158	0.011378	-0.025017	0.131184	0.021238	-0.061216	-0.044229	0.062166	-0.021044	-0.060371	0.032631	0.005743
313	0.002297	0.030465	0.004372	-0.006502	-0.011364	-0.021907	0.030164	-0.030438	0.007557	-0.026182	-0.01266	-0.005597	0.025074	0.038469
314	0.032087	-0.055755	0.037157	-0.058551	0.022275	0.018849	0.032621	-0.024349	-0.081908	0.012092	-0.013575	-0.02463	0.08075	0.031937
315	0.005121	0.010786	0.000668	0.010558	0.006476	0.023936	-0.016893	-0.005704	-0.019162	-0.011591	0.015683	-0.014391	-0.003274	-0.004349
316	0.057766	-0.023769	-0.014394	-0.00528	-0.02473	-0.046136	-0.069813	0.002329	-0.007909	-0.089075	0.001628	-0.028507	0.004644	0.023664
317	-0.005166	-0.015422	0.029743	-0.020602	0.006025	-0.021612	-0.016611	0.003659	-0.018258	0.005796	0.004512	0.000484	0.000269	0.012506
318	0.00128	-0.015259	0.022067	-0.034315	0.052388	0.013057	0.004529	-0.006252	-0.04568	0.003809	-0.00549	-0.017187	-0.060848	0.019854
319	-0.020166	0.007424	0.01453	0.004335	0.001818	0.01236	-0.011831	-0.000229	-0.000059	0.000754	0.016433	-0.015002	-0.017304	0.002605
320	-0.027878	-0.018047	-0.025109	-0.005994	-0.012487	0.00511	0.008899	-0.021084	0.007377	0.01939	-0.005868	-0.026519	-0.041887	0.025684
321	0.018782	-0.014182	0.021528	0.01738	0.022791	-0.019781	0.0306	0.009721	0.007578	0.030677	-0.009124	-0.002861	-0.024108	0.022301
322	-0.010826	-0.011561	0.008715	0.030089	0.023174	-0.002592	-0.013127	0.030809	-0.103373	-0.040504	-0.006247	-0.016314	0.011555	0.003504
323	-0.033312	0.005535	-0.01701	-0.008685	0.013912	-0.044873	0.002413	-0.034845	-0.018024	0.010713	-0.008262	-0.005396	0.041773	0.018078
324	0.068652	0.003462	-0.025829	-0.030974	0.025123	0.06854	-0.038172	-0.050409	0.037935	0.002604	-0.00377	0.009374	-0.01581	-0.019931
325	-0.006283	0.016169	0.010363	0.015422	-0.014955	0.022963	-0.006189	-0.007732	0.020225	-0.007437	0.006417	-0.010559	-0.035185	0.002354
326	0.022104	0.035615	-0.020869	-0.002757	-0.020717	-0.020927	0.014963	-0.026018	0.023294	-0.003055	-0.009194	-0.000888	-0.010548	0.010028
327	-0.044109	0.018385	0.003039	0.010509	-0.0035	-0.010646	-0.014779	0.012103	0.025019	-0.01295	0.000773	0.0123	-0.011183	-0.004264
328	0.051892	0.002982	-0.027689	-0.016375	-0.040143	0.002441	0.033987	-0.028723	0.003169	0.046105	0.017773	0.032783	-0.027769	0.022042

	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS
329	-0.032229	-0.000122	-0.021041	-0.001471	-0.001566	-0.047812	0.003042	-0.022394	-0.007135	-0.006211	0.016855	0.023746	-0.014041	-0.003789
330	-0.046661	-0.029199	-0.003719	0.024527	-0.033073	-0.022175	0.036786	0.023404	0.004992	0.016026	0.000738	0.007438	0.014699	0.013799
331	0.007483	0.022241	-0.023767	0.001062	-0.002079	0.006626	0.000378	-0.004358	0.001437	-0.016291	0.010787	-0.014732	-0.017078	-0.004076
332	0.033928	0.019597	-0.004618	0.006968	-0.053242	-0.008962	0.058778	0.017132	0.069847	0.007258	-0.002956	0.011402	-0.057392	0.011881
333	0.016998	0.009457	0.006503	-0.012957	0.017657	0.007927	-0.024794	0.001579	0.005089	-0.012856	-0.001549	-0.004892	-0.040677	0.003877
334	-0.081545	-0.00005	-0.008436	0.036945	-0.02832	0.065952	-0.045992	0.015463	-0.008585	0.014548	0.013534	0.034536	-0.024706	-0.015105
335	-0.019192	0.026768	0.005315	-0.013091	0.005034	0.000139	0.025236	-0.040489	0.027073	-0.01116	-0.004734	-0.018479	-0.013203	0.013562
336	0.003149	0.040416	0.058336	0.00059	0.005789	-0.03648	0.009776	0.050532	0.034879	-0.024909	0.001609	0.008204	0.042911	0.006931
337	-0.001525	0.003845	0.039632	0.014861	0.016553	-0.030424	-0.015318	-0.043514	-0.007534	0.02178	0.009756	-0.013321	-0.035263	0.017907
338	-0.090544	0.043189	-0.001168	-0.001669	-0.032735	0.011429	0.003842	0.026015	0.042348	0.016964	0.033695	0.036251	-0.002613	-0.032951
339	-0.040055	0.003033	-0.009047	-0.018748	-0.031939	-0.04217	-0.013008	-0.006408	-0.001384	0.030139	-0.035532	-0.00622	-0.048245	-0.000344
340	0.019583	-0.01172	-0.005469	0.009429	0.012681	0.015671	-0.012724	0.011278	-0.011792	-0.045325	-0.008932	-0.0092	0.000021	-0.027191

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
1	0.057072	0.098056	0.018633	0.015397	0.017317	-0.010887	-0.011164	0.028164	-0.039851	-0.053264	-0.048275	0.012191	0.056079	0.057586
2	-0.064457	-0.097709	-0.018875	-0.054905	-0.111531	0.009391	0.137688	0.012079	0.099505	0.033557	0.015591	0.007063	-0.016329	-0.042138
3	-0.009663	-0.105045	0.004613	0.027758	0.004129	0.024537	-0.173021	0.001295	0.017164	-0.013735	0.055168	0.05229	-0.004565	-0.015405
4	-0.009037	0.068598	0.004971	0.002233	0.027089	-0.058943	0.016425	-0.099968	-0.074755	0.01053	-0.041034	-0.095389	0.059857	-0.086692
5	0.052042	-0.026851	-0.06671	0.028245	-0.056437	-0.016167	-0.114122	-0.046122	-0.050048	0.018419	-0.091749	-0.024165	-0.050045	-0.052759
6	0.047335	0.021547	0.007661	-0.037201	-0.035944	0.01167	-0.033079	-0.067312	0.006663	-0.009966	0.094079	-0.007628	0.010441	0.051009
7	0.002286	-0.136826	0.063883	0.044011	0.009951	0.002913	-0.040126	-0.045367	-0.041561	-0.098601	-0.117911	0.017165	-0.025088	-0.115405
8	-0.164702	-0.079525	-0.05671	0.02305	-0.003932	0.01056	0.039079	0.036155	0.038761	0.00278	0.030201	0.072729	0.011572	-0.001142
9	0.052421	0.021364	-0.030586	0.046659	0.048916	0.028503	0.060659	0.14572	-0.043361	0.039109	0.048936	-0.013733	0.020551	-0.001289
10	0.039277	0.065422	0.012175	-0.032518	0.001565	0.098594	-0.00913	0.094238	0.012824	0.028603	0.063664	-0.039919	0.004581	0.132362
11	-0.068361	-0.000221	0.046925	-0.031425	-0.012746	-0.074925	0.01729	0.023266	0.042931	-0.027956	-0.007056	0.08548	-0.000407	0.026619
12	0.011594	0.041986	-0.003265	0.026128	0.058376	0.034368	0.035981	0.044342	0.062356	-0.03188	0.039868	0.005237	-0.005982	-0.03959
13	-0.041135	-0.019962	-0.085392	-0.020549	0.041136	-0.007776	-0.073426	0.012659	0.015724	-0.013391	-0.00695	0.030376	-0.006982	-0.036727
14	0.05546	0.070031	0.004958	0.000082	0.013412	0.074201	0.077087	0.050987	0.114167	0.033562	0.005	0.007874	0.000724	0.014704
15	-0.031157	-0.019121	-0.029887	-0.007414	0.004177	-0.034621	-0.063205	0.020653	0.043724	-0.003806	0.04077	0.003287	0.000681	0.045895
16	0.016608	-0.043781	0.026473	-0.018496	-0.042728	0.077571	0.080679	0.022906	-0.055382	-0.002801	0.004104	-0.066833	-0.029956	0.075573
17	-0.033018	-0.036376	-0.017826	0.000834	0.032732	0.039322	0.009161	-0.070105	-0.075618	-0.019292	-0.038503	-0.036382	-0.020469	-0.043322
18	-0.051712	0.030746	-0.115776	-0.008068	0.006409	-0.008798	0.113893	-0.083852	0.009949	0.014232	-0.032286	0.12701	-0.031179	-0.015286
19	0.031341	-0.042903	0.078172	0.094772	0.057967	0.021111	0.115495	0.019036	0.028021	-0.008513	0.054525	0.082719	0.033725	-0.041722
20	-0.004914	-0.063139	-0.023502	0.0706	-0.006742	0.045419	0.062578	0.025982	0.029378	-0.02875	0.043772	-0.017528	-0.018665	-0.035007
21	-0.067134	-0.037097	0.009951	-0.093405	-0.035011	-0.014718	-0.003529	-0.057986	-0.165332	0.022264	0.026697	-0.000098	-0.018312	-0.072467
22	0.006309	0.041195	-0.071024	0.029198	0.0076	0.033089	-0.026436	-0.047598	0.004126	-0.018159	-0.002232	-0.121252	0.001196	-0.006674
23	0.079175	-0.008468	-0.087038	-0.062792	-0.022388	-0.032899	0.075946	-0.005704	-0.097696	-0.06536	0.007068	0.045634	0.062774	0.088654
24	-0.068347	-0.067847	0.020139	0.008463	0.031732	-0.014173	-0.049555	0.070922	0.058602	0.000442	0.101031	-0.031021	0.000269	-0.022827
25	-0.065515	-0.012289	-0.052826	-0.072469	-0.105158	-0.019947	0.014972	0.088599	-0.09161	0.016301	0.020487	-0.050078	0.020169	-0.048249
26	-0.055801	-0.045849	0.026326	-0.102636	-0.03581	0.032956	0.210398	0.054306	0.024646	0.136978	-0.101122	0.021656	-0.013269	-0.063499
27	0.043513	-0.013941	0.001473	0.021015	0.029937	0.051018	0.105148	0.091414	0.054146	0.055212	0.023688	0.089018	-0.009981	0.10587
28	-0.022063	-0.040354	0.025205	0.035611	0.011184	-0.022805	-0.036846	-0.078978	0.134312	0.001049	0.029872	0.106113	0.043326	0.160103
29	0.010021	0.010129	0.019876	-0.007729	0.017895	-0.005957	-0.009436	-0.023691	0.009453	0.001182	0.009047	0.056076	0.015394	0.022272
30	0.011893	0.039411	0.08217	-0.051323	-0.077122	0.030718	-0.01876	-0.026128	0.018579	0.028585	-0.029802	0.15961	0.024606	0.0146
31	0.054418	0.055985	-0.003725	-0.032379	-0.030371	0.010008	-0.026302	0.046516	0.206422	0.120361	0.125916	-0.124661	0.009283	-0.03027
32	-0.026604	-0.010428	-0.083025	-0.041895	0.046609	-0.024411	-0.11033	0.07168	-0.028111	-0.01749	-0.047475	0.031286	-0.027487	0.003097
33	-0.014329	-0.003934	0.062439	-0.0034	0.043184	-0.044761	-0.119518	-0.04877	0.119581	-0.057292	-0.046268	0.073517	-0.013545	-0.046228
34	-0.025619	-0.083538	0.02843	-0.016501	0.041983	-0.004535	0.00582	-0.095747	-0.068137	0.004972	0.052572	-0.096297	-0.004047	0.001384
35	-0.047818	0.026558	-0.038168	-0.099373	-0.049032	-0.021581	-0.023672	-0.013613	0.015153	-0.053014	0.006351	0.060455	-0.047914	0.05894
36	-0.040103	0.035703	-0.058792	0.021986	0.043878	-0.002003	0.055614	0.082619	0.072779	0.005254	-0.125786	0.056933	0.008186	0.02078
37	-0.080605	-0.02912	-0.058435	0.016048	0.032526	0.066764	-0.135037	-0.058566	-0.132695	0.052486	0.04086	-0.089656	-0.022149	0.009515
38	-0.049797	0.009062	0.038711	-0.100916	-0.069881	-0.006968	0.103285	0.019371	-0.010119	0.005166	0.035555	-0.091774	0.024528	0.020239
39	-0.045159	0.022959	-0.037009	-0.026225	-0.067589	0.090799	-0.14352	0.064249	0.010323	0.038944	0.053503	-0.023937	0.072339	-0.060199
40	0.006544	0.011105	-0.013858	0.01213	0.024133	0.016148	-0.000612	0.046745	-0.026946	-0.016931	0.003403	-0.011327	0.016852	-0.007209
41	-0.008409	-0.046763	0.00548	-0.014381	-0.017708	0.027239	0.065215	0.011139	-0.131057	0.048525	-0.066515	-0.080569	-0.059712	-0.011275

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
42	0.015431	-0.03886	0.003638	0.020564	-0.023167	-0.013474	-0.193756	0.052218	-0.126718	0.053085	-0.171342	0.075275	0.058446	-0.056137
43	0.010193	0.023925	-0.146463	0.024929	-0.027707	-0.098775	0.060688	0.008016	0.206364	-0.107649	-0.070764	0.060239	-0.131054	-0.011587
44	0.04253	0.05379	-0.008091	0.07477	0.006048	-0.041532	-0.048121	-0.006983	0.020133	0.052957	-0.110382	0.155058	0.0298	0.128613
45	-0.036633	0.028414	0.003291	-0.070488	-0.049383	-0.006483	0.076122	0.064023	0.035968	0.011107	0.115883	-0.018456	0.01825	-0.043247
46	-0.02357	-0.005893	-0.003454	0.068349	0.030347	-0.069796	0.153239	-0.139313	-0.016059	-0.052857	-0.049174	0.050542	-0.03395	-0.118603
47	0.148566	0.036158	-0.048681	0.067486	0.005777	-0.000877	-0.064202	0.013549	-0.024467	0.012233	-0.114533	-0.020589	-0.04336	-0.065945
48	0.053144	0.010542	0.027059	0.026036	-0.004727	-0.084957	0.006953	-0.058274	0.006991	0.030485	0.059685	-0.013777	-0.058772	-0.00399
49	-0.00434	0.02828	-0.006278	-0.015004	0.04002	0.003261	0.01647	0.062535	-0.059834	-0.038402	0.026984	-0.014805	0.028312	0.015283
50	0.007369	0.022655	-0.081913	0.012174	0.010109	-0.013116	0.021265	0.107204	-0.024551	0.009658	-0.031028	0.073127	0.004572	0.061074
51	-0.076299	-0.031357	-0.081891	-0.015379	-0.054105	-0.045685	0.007775	0.161563	-0.00012	-0.081264	-0.033103	-0.052611	-0.039981	0.013164
52	-0.023122	0.040244	-0.022959	0.006073	0.005902	-0.005674	-0.070639	0.069576	-0.000531	-0.068069	-0.027408	0.354232	-0.046854	-0.009972
53	0.085954	-0.026237	-0.010943	-0.015	-0.037391	-0.021055	0.112326	0.027458	-0.04018	-0.071068	0.051566	0.038618	-0.027042	-0.078556
54	0.121656	-0.017373	-0.026796	0.039623	-0.019837	0.027583	0.013604	0.054028	0.08267	0.037027	-0.007873	-0.053647	-0.043181	0.063917
55	-0.05054	-0.022543	0.06684	0.037784	0.053354	0.023668	0.022138	0.080012	-0.164788	0.026039	0.007058	-0.009945	0.051008	-0.001053
56	0.017044	-0.000998	-0.057601	-0.075562	-0.012955	-0.051533	-0.034495	-0.046375	0.017002	0.027799	0.033074	-0.067451	-0.016752	0.149187
57	0.049418	0.024245	-0.058701	0.159332	0.054888	-0.018808	0.015654	-0.012348	0.012618	0.032329	0.02037	-0.0127	-0.035044	-0.047495
58	-0.058621	-0.032336	0.027287	0.02978	-0.000119	-0.026606	-0.030381	-0.007768	-0.000504	-0.072206	-0.001045	-0.150338	-0.021718	0.031265
59	-0.08435	-0.071569	0.031494	-0.051358	0.002217	-0.010025	0.03429	0.07978	0.045716	-0.055958	-0.027744	-0.007965	-0.103119	-0.025938
60	0.012774	0.007763	0.023942	-0.011418	-0.011006	-0.006585	0.007667	0.004913	-0.017756	0.027216	-0.000183	-0.012251	0.017315	-0.002299
61	0.002633	0.001907	0.021558	0.027327	0.02464	0.010155	-0.01873	0.028048	0.02926	0.016675	0.02687	0.000195	0.01991	0.012578
62	-0.034198	-0.011835	0.026598	-0.014569	0.022089	0.004152	0.021412	-0.021463	0.029035	-0.001221	0.005906	0.026946	0.008811	0.006334
63	-0.008067	-0.012386	0.011216	0.032099	0.023005	0.012633	-0.010168	0.019709	0.009681	0.025054	0.01106	0.029812	0.018428	0.015927
64	0.00467	-0.005062	-0.025401	0.053563	0.024949	0.015167	-0.028634	0.017246	-0.023248	-0.01743	-0.009962	0.030225	-0.006082	-0.011606
65	0.015255	0.007247	0.006849	-0.023546	-0.010047	-0.006728	0.029172	0.002456	-0.014907	0.003801	-0.002701	-0.00223	0.018438	0.010462
66	-0.011458	0.002784	0.010602	0.017784	0.027297	0.007867	-0.001701	-0.000698	0.002738	-0.014551	-0.011775	0.026021	0.012636	0.029949
67	0.029804	0.016068	0.018757	0.026982	-0.002479	0.018475	-0.015572	-0.028327	0.020272	0.026938	0.016928	-0.003937	0.011281	-0.002727
68	0.013457	0.021154	0.01126	0.03553	0.00835	0.002531	0.014462	-0.02285	-0.050814	0.026387	-0.029999	-0.021963	0.019633	0.021301
69	0.005176	-0.00647	-0.006772	-0.004937	-0.012005	-0.005706	-0.043075	0.013907	-0.007214	-0.019188	-0.002475	-0.006485	-0.006757	0.020479
70	-0.005385	-0.003807	0.033057	-0.022061	-0.002453	-0.022356	0.031596	-0.048817	-0.021223	0.008805	0.035608	-0.021098	0.007147	-0.002994
71	0.000194	-0.002585	-0.036597	0.008123	-0.018784	-0.027954	-0.015704	0.013145	-0.001567	-0.042638	-0.015316	0.041436	-0.02216	0.008328
72	0.002918	-0.00645	-0.012588	0.009709	-0.013504	-0.033391	0.001769	0.014743	0.006094	-0.043997	-0.01395	0.008868	-0.007612	-0.048047
73	0.000176	-0.000692	0.033335	-0.008952	-0.000272	0.003406	0.018028	-0.051905	-0.026231	-0.016015	0.004711	0.004262	-0.013599	-0.033548
74	0.011949	-0.009427	-0.003086	-0.021434	0.004172	-0.032878	0.028208	0.016325	0.033211	-0.006294	0.014425	-0.022684	-0.011885	0.011519
75	0.008641	0.005127	0.003282	0.00577	0.00104	0.020191	0.001413	-0.03757	-0.018773	0.010666	-0.001629	0.003924	-0.007231	0.005007
76	0.002817	-0.00176	-0.001054	-0.011371	-0.004309	-0.012214	0.027533	-0.014507	0.002887	-0.001368	0.042317	0.001104	-0.002952	-0.01416
77	0.000817	0.003186	-0.000516	-0.001909	-0.004282	-0.023185	-0.001301	-0.02583	-0.009906	0.010928	0.010136	0.000724	-0.005684	0.019866
78	-0.002361	-0.001829	0.011124	0.000846	-0.002621	-0.025885	0.008502	-0.045969	-0.010483	0.009522	0.010361	-0.004904	-0.018502	0.011873
79	0.011203	0.001003	-0.004626	0.016892	0.007765	-0.004113	-0.005358	-0.014101	-0.03455	-0.001239	-0.020618	0.011851	-0.012671	-0.019105
80	0.016746	-0.012766	-0.012086	0.021797	0.020483	-0.011752	-0.00398	0.029033	-0.063783	-0.035206	-0.034891	0.021502	-0.010993	0.022779
81	0.004502	0.020151	-0.009937	0.004335	0.023673	-0.013332	-0.016328	0.005345	0.064091	0.018958	0.008538	0.025642	0.030379	0.036879
82	-0.006543	0.012168	-0.006281	-0.008989	-0.009228	-0.010594	0.024563	0.005881	-0.021668	-0.033268	-0.024605	-0.006136	-0.002988	-0.023769

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
83	0.004926	0.008942	0.004154	0.004496	-0.00908	-0.002198	-0.004507	-0.003194	-0.011625	-0.020573	-0.018304	-0.003138	-0.000188	0.002205
84	-0.010987	-0.00674	-0.003499	-0.007862	-0.008945	-0.001809	-0.005276	0.002777	-0.000728	-0.022906	-0.008919	-0.005692	0.002386	0.007123
85	0.000975	0.023192	-0.014765	0.034017	0.044036	0.01824	-0.086987	-0.019611	-0.027674	-0.014369	-0.009104	-0.034752	0.030251	-0.049217
86	0.003743	0.00083	-0.014546	0.00697	-0.009379	-0.009396	-0.041653	-0.035709	0.036384	-0.038995	0.005669	0.005264	-0.008951	-0.02358
87	0.034777	0.005203	-0.007379	0.012565	-0.008209	-0.002279	-0.013493	0.019798	-0.046136	-0.024883	-0.00957	0.005369	0.001831	-0.034683
88	0.002221	-0.004514	0.000767	0.003145	-0.007813	0.010574	-0.015844	-0.000514	-0.018153	-0.01242	-0.008563	-0.009223	-0.005511	0.014125
89	-0.002696	-0.001721	0.002063	-0.002877	-0.00825	-0.000955	-0.001456	0.001113	-0.00716	-0.019309	-0.008948	-0.020144	-0.01363	0.01391
90	0.011228	-0.00354	0.006299	-0.002167	-0.003358	-0.001278	-0.005319	0.006813	-0.013102	-0.021222	-0.019659	-0.008124	-0.007019	0.01217
91	-0.002688	0.003044	-0.010119	0.002866	-0.005924	-0.016043	0.017899	-0.030256	0.0265	-0.023828	-0.019523	-0.008524	-0.007477	-0.018431
92	-0.018614	-0.000332	-0.001816	-0.03792	-0.03458	-0.027307	-0.013387	-0.073692	0.063385	0.004132	0.017727	-0.006997	0.002156	-0.051932
93	0.00416	0.01217	0.009524	0.012734	0.017467	-0.003371	-0.03347	-0.013367	-0.017163	-0.01226	0.005097	0.002812	0.011044	0.04429
94	-0.004277	-0.024427	0.026764	-0.010901	-0.021885	0.007227	-0.003396	-0.0436	-0.02307	-0.005676	-0.067989	-0.016609	-0.007438	-0.020845
95	-0.029068	0.003723	-0.019589	-0.02809	-0.012273	-0.011126	-0.001142	-0.012937	-0.014878	-0.020222	-0.058599	-0.022651	-0.002807	0.018269
96	0.042512	-0.010808	0.011139	0.020882	0.009269	-0.02067	-0.004385	0.005189	-0.0123	-0.006028	0.003074	-0.014708	-0.011997	-0.019503
97	0.044625	-0.004857	0.00494	0.009481	0.011935	-0.00441	-0.009446	0.017334	-0.054625	-0.009067	-0.029841	0.007769	0.004727	0.004479
98	0.012935	0.004575	-0.016745	0.005664	-0.000746	0.005515	0.013058	0.013687	-0.014631	-0.005113	-0.035828	0.01928	0.000446	-0.013506
99	0.02512	0.001565	-0.005931	-0.0075	-0.004354	-0.002368	-0.00543	0.01433	0.001371	0.00219	-0.016761	-0.001287	0.009223	-0.001382
100	-0.019863	-0.019268	0.00245	0.009648	0.006175	-0.019474	0.015011	0.02634	0.009167	-0.022625	-0.018585	0.04111	-0.011907	-0.037437
101	0.004447	-0.000012	-0.000486	0.018107	0.015664	0.015424	0.012598	-0.007891	-0.018007	0.000923	-0.01031	-0.012377	0.008619	0.007723
102	0.038879	0.03111	-0.003241	-0.005677	0.013412	-0.003507	-0.017567	0.031108	-0.008273	0.001889	-0.0004	-0.007209	0.012941	0.008245
103	0.02669	0.008835	-0.025315	0.014741	0.002716	-0.012534	-0.055385	-0.04247	-0.066567	-0.006811	-0.06656	-0.038151	-0.002977	0.025662
104	0.029807	0.012503	-0.026634	-0.011119	0.005354	-0.039037	0.00653	0.002161	0.046823	-0.049583	-0.01165	-0.007195	-0.029466	0.045412
105	-0.016975	0.01859	-0.013545	-0.011587	0.022567	0.004963	-0.018909	0.023547	-0.10505	0.022427	0.031266	0.014863	0.007128	0.007686
106	-0.011274	0.002582	0.019501	0.019764	-0.010076	0.019083	-0.006379	-0.014595	0.025634	0.023755	-0.018629	0.09091	-0.001551	-0.004805
107	-0.053146	-0.034916	0.030759	-0.004293	-0.005112	0.016219	0.055033	0.024672	-0.011337	0.002236	0.001906	0.034849	0.008253	0.013077
108	-0.009441	-0.008747	0.007688	0.032281	0.04219	0.025826	-0.009471	0.02553	-0.010675	-0.012735	0.043903	0.013824	0.02168	0.024628
109	-0.007009	0.009488	0.027914	-0.015454	0.007113	-0.001272	0.013883	-0.044384	0.026113	0.00132	-0.040761	0.012085	0.000126	-0.053455
110	-0.030736	0.00081	-0.001666	0.039436	-0.00137	-0.034325	-0.069235	0.027358	-0.017773	-0.026715	-0.038589	0.045425	0.033594	-0.047542
111	-0.018002	-0.00795	0.022293	-0.003562	0.011181	0.04668	-0.008675	0.060299	-0.009831	-0.014903	0.048557	-0.030106	0.031591	-0.063393
112	-0.002259	-0.039423	-0.00726	0.037718	0.016598	0.018551	-0.092345	0.012142	-0.001409	0.010481	0.030348	0.001282	-0.008692	0.0646
113	-0.02844	-0.000866	-0.001245	-0.034255	-0.001427	0.026131	0.014552	0.004343	-0.021426	0.023225	-0.016724	0.028023	0.006954	-0.03365
114	0.021716	0.035766	0.030576	-0.000856	0.031413	-0.004736	0.040049	0.036896	0.084	0.028453	0.024184	0.068934	-0.002293	0.047851
115	-0.061887	-0.010138	0.008731	-0.001045	0.011426	0.001367	-0.02306	-0.076979	0.061113	0.002367	0.051767	-0.025806	0.036263	-0.027389
116	0.00237	0.003508	0.046017	0.025014	0.026309	0.0177	0.009084	0.035131	-0.056943	0.017946	0.038126	-0.029144	0.009606	-0.034005
117	0.011022	-0.005209	-0.014222	-0.060109	-0.011813	0.000486	0.014029	0.065412	-0.015382	-0.029746	0.032463	0.014897	0.006987	0.017128
118	-0.051259	-0.034	-0.023931	-0.090414	-0.020302	-0.027417	0.06033	0.025807	-0.022009	-0.026496	0.004066	-0.002843	-0.013652	-0.031226
119	-0.06235	-0.101707	0.010161	-0.004876	-0.01677	-0.017808	-0.030001	-0.02592	-0.02701	-0.035022	-0.018227	-0.010176	-0.026479	-0.061668
120	-0.017738	-0.016701	-0.025422	-0.018202	0.01204	-0.003923	0.014172	-0.000758	-0.000037	-0.04001	0.002026	0.026034	-0.031166	-0.012928
121	-0.023439	0.015394	-0.015703	-0.084532	-0.023617	0.021928	-0.017645	0.005741	-0.048244	0.016422	-0.019983	-0.002767	0.009371	0.016642
122	-0.088981	-0.016411	0.000186	-0.045087	-0.014465	0.01272	-0.010288	0.00788	0.005742	0.026193	0.026088	-0.008944	0.015879	0.000117
123	0.833411	-0.054253	-0.008637	-0.042659	-0.004894	0.002955	-0.009639	0.008955	-0.006716	-0.008617	0.013878	0.003967	0.000295	-0.032649

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
124	-0.069336	0.882821	0.018042	0.001515	-0.003713	-0.002035	-0.011694	-0.008991	-0.021835	-0.017222	0.000647	-0.005897	-0.022357	-0.048304
125	0.003449	0.004174	0.869281	0.00246	-0.009354	-0.027187	-0.015027	0.037915	-0.001312	-0.026882	-0.031948	0.000595	-0.028276	0.011863
126	-0.059017	-0.002658	-0.014932	0.853343	-0.07186	0.000179	0.040284	0.02502	-0.017478	0.015399	0.026282	-0.01862	0.008795	0.018127
127	-0.015876	-0.01319	-0.023196	-0.068775	0.901746	-0.011672	0.025209	0.00845	0.005347	0.011663	0.000586	-0.015026	-0.005917	-0.00595
128	-0.00492	0.00037	-0.022857	-0.002184	-0.003954	0.908268	0.004799	-0.035105	0.019889	-0.048367	-0.041737	0.037387	-0.026135	-0.003359
129	-0.009047	-0.017628	-0.001656	0.028831	0.021419	-0.000333	0.618375	-0.035055	-0.058075	-0.009815	-0.0167	-0.002906	0.021653	-0.005423
130	-0.011519	-0.013577	0.024125	0.00768	0.013838	-0.033462	-0.044218	0.766094	-0.03209	-0.011968	-0.021247	-0.02713	-0.014117	-0.029643
131	-0.007198	-0.035839	0.024582	-0.006314	0.007023	0.024498	-0.060051	-0.005825	0.663565	0.000499	-0.043879	-0.061599	0.027662	-0.04977
132	-0.015048	-0.016371	-0.018649	0.017474	0.007206	-0.041539	-0.009748	-0.005452	-0.000315	0.875294	-0.0194	0.039269	-0.030664	-0.016065
133	0.021911	-0.006578	-0.026356	0.026669	-0.011308	-0.037248	-0.021097	-0.004896	-0.061901	-0.03526	0.784213	0.094883	-0.030439	-0.044587
134	-0.004818	-0.023266	0.002777	-0.042697	-0.016479	0.022471	-0.014538	-0.034573	-0.063084	0.049071	0.078444	0.605623	0.009975	-0.011064
135	-0.007832	-0.028997	-0.036944	0.003235	-0.009485	-0.029068	0.02012	-0.007682	0.038141	-0.033037	-0.022857	-0.002176	0.923682	-0.023619
136	-0.042752	-0.044624	0.011789	0.010839	-0.011799	-0.01328	0.002988	-0.033225	-0.043091	-0.022093	-0.036624	-0.030327	-0.022273	0.795687
137	-0.015435	-0.014783	-0.03081	-0.006882	-0.017126	-0.044915	-0.025226	-0.032191	-0.03912	-0.011679	-0.049041	0.005399	-0.019275	-0.005636
138	0.03998	-0.008213	0.021765	-0.025161	-0.021427	-0.009582	-0.005615	-0.076548	-0.048437	0.01633	-0.004559	-0.045568	0.013037	0.015113
139	-0.030091	-0.000631	0.046511	-0.025663	0.000401	0.025839	0.010724	0.003947	0.013295	-0.028168	0.048103	0.054789	0.014266	0.008137
140	0.01739	0.02634	-0.002035	0.005436	0.028387	-0.042787	-0.05096	-0.049548	-0.040982	-0.046385	-0.010524	0.000938	0.011336	0.013817
141	-0.015236	0.00321	-0.019504	-0.00601	-0.015572	-0.048695	0.014752	-0.027756	0.060524	-0.026655	-0.002089	0.010173	-0.036594	0.023285
142	-0.016919	-0.032801	0.025446	0.004362	0.022415	0.025484	-0.061715	-0.051364	0.005815	0.019216	0.024813	0.031763	0.00199	-0.027371
143	-0.055965	-0.013943	-0.024493	0.030487	0.02121	-0.011787	-0.022515	-0.017557	0.039665	0.001386	-0.011611	0.014079	-0.025472	0.011247
144	-0.076216	-0.066116	0.021245	0.011344	0.007917	0.012458	-0.058064	-0.009889	0.013312	0.020686	0.007772	-0.023824	-0.02824	-0.053433
145	-0.033199	-0.01395	-0.01113	-0.009905	-0.010831	-0.027749	0.006204	0.017323	0.012888	-0.021289	-0.057929	-0.00475	-0.030135	-0.071986
146	0.006415	-0.015867	-0.038876	0.001729	0.005279	-0.021212	-0.000134	0.00124	-0.009192	-0.055722	-0.021539	0.007867	-0.043304	-0.014143
147	-0.018691	0.018784	0.018609	-0.060072	0.000559	0.029752	-0.024358	-0.027541	-0.061911	0.003644	0.020737	-0.018328	0.014923	0.027124
148	0.00102	0.000386	0.032816	-0.036655	0.00033	-0.02025	0.000072	-0.046221	-0.048295	0.018935	0.002585	0.039741	-0.003599	-0.024194
149	-0.010905	0.010662	-0.024476	0.001405	-0.005518	-0.037952	0.006231	-0.013624	0.019831	-0.01428	-0.021036	-0.026653	-0.021001	0.002396
150	-0.007274	-0.024016	-0.058526	0.00059	0.001284	-0.012243	-0.021137	-0.025222	0.002544	-0.013717	0.006139	-0.010835	-0.036514	-0.009874
151	-0.045027	-0.015323	0.018072	-0.001791	0.003955	0.012102	-0.009682	0.014676	0.058826	0.019276	0.048888	-0.097276	-0.004898	-0.012229
152	-0.018147	-0.038188	-0.016713	-0.007798	-0.055743	0.00846	-0.054848	-0.005028	-0.005952	0.012078	0.014236	-0.03772	-0.008295	-0.045387
153	-0.050113	-0.04123	-0.019846	-0.011305	-0.001372	0.001968	-0.040043	-0.007259	0.017678	-0.013593	0.0287	-0.006539	-0.005571	-0.037143
154	-0.018028	-0.031502	0.015595	-0.001248	0.012107	0.013299	-0.016152	-0.042655	-0.059884	0.005968	0.019984	-0.035317	-0.012492	-0.097448
155	-0.009384	-0.032317	-0.033867	0.007066	-0.007567	-0.010959	-0.041424	-0.013695	-0.018966	-0.053568	-0.010552	0.027457	-0.020376	-0.06324
156	-0.02257	-0.020633	-0.016402	0.00097	-0.009024	-0.035496	0.037986	-0.0409	-0.03326	0.003199	-0.031672	-0.028557	-0.023215	-0.036214
157	-0.0132	-0.019602	-0.035117	-0.004334	-0.004912	-0.022736	-0.000822	0.010628	0.055731	-0.040137	-0.017843	0.0649	-0.027976	-0.014918
158	-0.010169	-0.007338	0.012328	0.030527	0.005042	-0.029367	0.054946	-0.014455	0.052386	-0.009743	-0.040873	0.026586	-0.015261	-0.038052
159	0.015643	-0.009568	0.017773	0.011443	0.006424	-0.053094	-0.053584	-0.005817	0.029147	0.015885	-0.007838	0.019665	-0.034901	-0.024306
160	-0.039304	-0.027301	-0.042918	-0.056597	-0.034934	-0.028611	-0.045081	0.043893	-0.044844	0.069673	-0.048748	0.002405	0.013921	-0.005344
161	-0.001795	-0.006948	0.026771	0.017208	0.011562	-0.03602	-0.057693	-0.021687	0.034183	-0.031705	0.032292	-0.022585	-0.01577	0.040928
162	-0.025423	-0.038406	-0.016782	0.0039	-0.010302	0.008243	-0.03956	0.034022	-0.037169	-0.010417	-0.014938	-0.024538	-0.016502	-0.015784
163	0.004825	-0.036708	-0.025261	0.002632	-0.039959	0.000975	-0.027406	-0.002587	0.012343	0.006206	0.00739	-0.009308	-0.020206	-0.010582
164	0.004457	-0.034159	0.014975	0.011794	-0.010676	0.000128	-0.008756	-0.000392	-0.041566	0.017941	-0.027718	0.071691	0.004569	-0.059112

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
165	0.013369	-0.003071	-0.058466	-0.045931	-0.028171	-0.008744	-0.058052	0.022575	-0.003417	0.002786	-0.043535	0.007802	0.000545	-0.010541
166	0.007243	-0.056931	0.038924	0.01831	0.038708	0.018083	-0.057137	-0.069085	-0.021321	0.021942	-0.036347	0.038321	-0.00551	-0.026646
167	-0.01749	-0.004199	-0.021258	-0.007608	-0.004601	-0.031099	0.021787	-0.030773	0.034793	-0.045375	-0.040412	0.027754	-0.023113	-0.046834
168	-0.012084	-0.019974	0.006582	0.011087	-0.010247	-0.014488	0.008158	-0.01514	-0.008079	0.019428	-0.006864	0.049829	0.003093	0.007517
169	0.007871	-0.002897	-0.017142	0.020308	0.00906	0.006157	-0.003694	-0.029517	-0.032043	-0.031352	-0.003931	0.039417	-0.011589	0.011294
170	0.014876	-0.001761	0.014839	0.023826	0.011121	0.010257	-0.007622	-0.051346	-0.049265	-0.007795	-0.002555	0.028921	0.003989	0.010784
171	-0.035494	-0.00743	-0.001468	-0.017495	0.000706	-0.004586	-0.007059	-0.03321	-0.018149	-0.028402	0.016373	0.029325	-0.012762	0.024154
172	0.005388	-0.006079	-0.027011	0.006528	0.015635	-0.02026	0.00566	0.00063	0.016494	-0.028248	-0.005283	0.018039	-0.019136	0.000329
173	0.006819	0.031872	-0.038639	-0.020582	-0.005804	-0.008249	-0.008411	0.013098	0.018606	0.005615	-0.019534	0.020875	0.010324	0.020406
174	0.018523	0.026386	-0.018604	0.015223	0.010355	-0.005427	0.016071	-0.017807	0.028361	-0.008725	0.01195	0.011753	-0.006371	0.019724
175	-0.020516	-0.000532	-0.036492	-0.008376	-0.010867	0.006267	0.014988	-0.015153	-0.014728	-0.003627	0.057479	-0.026257	-0.001181	-0.003764
176	-0.009392	-0.015367	0.003058	0.018398	0.000464	-0.015925	0.073824	-0.016537	-0.037227	-0.04184	-0.026211	0.054404	-0.007889	-0.027549
177	0.031934	-0.022298	0.035348	-0.012941	0.005771	-0.005605	0.071841	-0.039138	0.0137	0.010435	0.007222	-0.034362	-0.021825	-0.006704
178	-0.02159	-0.01208	-0.009432	-0.029127	-0.023503	-0.001354	-0.011501	0.015602	0.002588	-0.005656	-0.030847	0.047631	0.007461	0.02326
179	-0.00694	-0.004487	-0.010077	-0.009939	-0.003115	0.009938	0.007941	0.000935	-0.014198	0.000235	-0.015865	0.032881	0.010336	-0.006788
180	-0.003134	0.002687	-0.005391	-0.010903	-0.000052	0.012466	0.003553	0.000399	-0.014603	0.003473	-0.024457	0.019698	0.011353	0.000882
181	-0.003871	-0.000467	-0.003153	-0.00252	0.002686	0.012793	0.007031	0.007251	-0.011644	-0.000931	-0.025975	0.021336	0.016055	-0.003237
182	-0.002018	-0.005261	0.021088	0.00053	0.006103	0.001058	0.013361	0.002692	-0.002041	0.008122	-0.027249	0.035103	0.010523	-0.021073
183	-0.04467	-0.013871	-0.006146	-0.035523	-0.008084	-0.014837	0.012734	0.019589	-0.005118	-0.007175	0.00597	0.029904	-0.004962	-0.02347
184	-0.059539	-0.014116	-0.018333	-0.009857	0.017611	-0.014979	-0.042675	0.014489	0.02303	-0.022817	0.022235	0.005671	-0.019761	0.013804
185	0.000285	-0.006763	-0.015097	0.025854	0.022813	-0.027161	0.033409	-0.004529	0.06952	-0.001848	0.040717	0.022018	0.000611	0.056969
186	-0.043273	-0.000136	0.027935	0.000911	0.051776	0.004693	-0.054323	-0.06037	-0.000202	-0.018347	0.006884	-0.028128	0.010656	-0.000516
187	0.014053	0.01737	-0.011582	-0.016699	0.003487	0.005145	-0.000748	0.036481	0.014433	0.006587	-0.002158	0.009246	0.005745	-0.004275
188	0.025668	0.019611	0.003198	0.006642	0.01641	0.006435	0.015315	0.022095	0.014279	0.003557	0.018356	0.025777	-0.000335	-0.00583
189	0.000321	0.009411	0.003917	0.01754	0.029223	0.027248	0.019201	0.017521	-0.017311	-0.000296	0.053908	0.023322	0.000131	-0.033879
190	-0.018095	-0.00786	-0.011659	0.0071	0.005889	-0.014938	0.036793	-0.020707	-0.023072	-0.016292	-0.013368	-0.047089	-0.011681	-0.006335
191	0.003651	-0.007339	-0.013799	0.007492	0.01248	-0.020398	0.006995	-0.02243	-0.008547	-0.03967	-0.007946	-0.053971	-0.020587	-0.009999
192	0.01895	-0.008152	0.005388	-0.016868	-0.049347	-0.02408	0.013391	0.025185	-0.000571	0.012235	-0.009596	0.00251	-0.013389	0.010859
193	-0.014479	-0.0052	0.004074	0.003666	-0.016467	-0.006248	0.016391	0.02425	-0.006229	0.009432	0.003976	-0.001898	0.001818	-0.004573
194	-0.022153	0.000937	-0.039943	-0.010287	-0.011976	0.017041	0.003437	0.009402	-0.010317	-0.005305	0.022408	-0.009905	0.005596	0.001279
195	-0.010454	-0.008889	-0.001693	0.031954	0.029493	-0.001145	-0.015361	0.010131	-0.027947	-0.000634	-0.0314	-0.018963	0.010597	-0.009947
196	-0.005987	-0.008673	0.013877	0.03136	0.02706	0.013747	0.005812	-0.003525	-0.00106	-0.00115	0.00681	-0.045296	0.003744	-0.001937
197	0.002585	0.000289	-0.007234	0.03474	0.01981	-0.03702	0.043395	-0.01697	-0.014105	-0.028926	-0.036109	-0.050402	-0.023653	-0.002928
198	-0.011128	-0.021824	0.000858	-0.021704	0.012056	-0.021641	-0.002083	-0.003268	-0.005426	0.006337	0.013274	0.016327	0.006656	0.039551
199	0.007766	0.022632	0.014649	0.0161	-0.000975	0.008549	-0.079106	-0.068615	-0.008843	-0.018363	0.025134	0.04293	0.014666	-0.005058
200	-0.006813	-0.021067	-0.023643	-0.017359	-0.005209	-0.024233	-0.039107	0.028626	0.010951	-0.007181	-0.03338	0.027664	-0.011611	-0.005397
201	0.004139	-0.011582	-0.002495	-0.030796	-0.035988	-0.00024	0.050673	0.071418	-0.032394	-0.02548	-0.004696	-0.01128	-0.01029	-0.007746
202	-0.015524	-0.005381	-0.006903	-0.020655	-0.00307	-0.010125	-0.041059	-0.000225	0.011572	0.025514	-0.020587	-0.032647	-0.001666	0.004921
203	0.010872	0.00885	0.006071	-0.010288	-0.024597	-0.024817	-0.012374	0.006214	-0.026351	-0.007188	-0.008079	0.051594	0.001545	-0.000193
204	0.019448	-0.009725	-0.010632	-0.005709	-0.003963	-0.006523	-0.089191	0.030725	0.047697	-0.017668	0.031258	-0.030986	-0.011453	-0.008638
205	0.008568	0.009856	-0.063087	-0.026041	-0.05328	-0.00465	0.067283	0.014523	0.002462	-0.001461	-0.020294	-0.066721	-0.003516	0.005362

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
206	-0.000667	-0.024089	-0.008074	0.010748	0.000721	0.038551	-0.008386	0.016607	-0.045148	0.00067	-0.007875	-0.079968	0.000391	0.015299
207	-0.022398	-0.042968	0.009853	-0.004412	-0.026541	0.005782	0.032681	-0.007117	0.017798	-0.001144	0.008812	0.072214	0.006649	-0.045231
208	0.02033	-0.007954	-0.019436	0.014363	-0.031348	-0.026034	-0.06597	-0.067278	-0.04758	-0.029497	-0.038021	-0.022971	-0.011764	-0.004548
209	0.022609	0.005322	0.009025	0.010528	-0.022748	-0.011875	-0.032984	-0.031279	0.020235	0.003205	-0.066321	-0.019121	-0.032218	-0.021559
210	0.004402	-0.000715	-0.015132	0.01271	0.004299	-0.026777	-0.036979	0.03192	-0.058072	-0.023727	-0.025801	-0.038744	-0.004328	-0.06101
211	0.02311	0.023379	-0.046547	-0.017188	0.011073	-0.03324	-0.022825	-0.023947	-0.004142	0.017765	0.002098	-0.067484	-0.012808	-0.02464
212	0.016842	-0.003572	0.007834	0.013173	0.038908	-0.007234	0.054203	-0.028539	-0.097964	0.031027	0.010712	0.074447	0.015694	0.018523
213	-0.031011	-0.039156	0.012294	-0.009815	0.004444	0.020888	-0.066301	0.031139	0.009441	0.007819	-0.012294	-0.010012	0.03488	0.022482
214	-0.025204	-0.015407	-0.007205	-0.012944	0.004194	0.004065	-0.012822	0.004214	-0.014546	-0.008791	-0.010317	0.026123	-0.00688	-0.019973
215	-0.034432	-0.03166	-0.054211	0.006453	-0.002393	0.006877	-0.052221	-0.002238	-0.009228	-0.026182	-0.017067	0.010717	-0.026309	0.004338
216	-0.03331	-0.010161	0.01937	0.0015	0.004412	0.011455	0.012714	0.003018	0.015229	-0.000575	0.020421	0.020614	-0.005582	0.010522
217	-0.024972	-0.015745	-0.009811	-0.008821	-0.012931	0.004654	0.000773	0.006759	-0.011877	-0.028664	0.045692	-0.007442	0.004941	0.003917
218	-0.027057	0.007965	-0.006225	0.008012	0.005755	0.003297	0.003862	-0.000468	-0.009322	-0.013549	0.001018	0.010218	-0.022999	-0.012039
219	-0.045921	-0.000663	0.026977	0.002793	0.014718	0.021332	0.002588	-0.01169	0.02172	-0.011051	0.01456	0.037998	-0.006457	0.001199
220	-0.026388	-0.03698	-0.004793	0.001527	0.004316	0.00565	0.015578	0.007435	-0.009948	-0.029892	0.021839	0.001972	-0.005454	-0.005994
221	-0.005416	0.012997	-0.030644	-0.037087	-0.01552	-0.000378	0.038604	0.020406	-0.004003	-0.005447	-0.029441	0.024825	0.001224	0.013719
222	0.018217	0.012223	-0.015307	-0.017368	-0.06161	0.003652	0.017702	0.005371	0.010204	0.025051	-0.012546	-0.001645	-0.006545	0.000922
223	-0.009722	0.011633	-0.00919	-0.005959	-0.035788	0.012641	0.008626	0.003104	0.00999	0.005255	-0.002503	0.013304	0.015927	0.00194
224	0.01712	0.007964	-0.007945	-0.021555	-0.011434	-0.00648	-0.011085	-0.016413	0.025169	0.015482	0.009319	-0.014213	-0.004544	0.024958
225	0.02308	0.017154	-0.011665	-0.025248	-0.01458	-0.011788	-0.021502	-0.01337	0.015737	0.013475	-0.009133	-0.002661	-0.002193	0.024039
226	-0.010393	-0.008202	0.004456	0.022256	0.020337	-0.004575	-0.037411	-0.020378	-0.017316	0.00824	-0.007088	-0.001176	0.003813	0.001171
227	0.001658	-0.007064	-0.012457	0.000055	0.00392	-0.00471	-0.020782	-0.022746	0.005926	0.00742	0.016846	-0.005355	-0.002499	0.033178
228	-0.003986	0.007639	-0.000252	0.006146	-0.023135	-0.015176	-0.050336	-0.017785	-0.001004	0.001576	-0.001123	-0.009674	0.000536	0.004836
229	0.021771	-0.006257	-0.019505	0.005179	-0.003489	0.0002	0.002795	0.032269	0.007116	-0.014484	-0.01692	-0.005087	-0.003668	0.021896
230	0.025128	-0.017858	-0.007841	0.006879	-0.002092	-0.010673	0.034016	0.003074	0.027332	0.019	0.011076	-0.023316	-0.005483	0.015936
231	0.017903	0.006942	0.020663	0.041488	0.025216	-0.022433	0.014967	-0.036593	0.016087	-0.003752	-0.030225	-0.018181	0.007934	-0.019235
232	0.008799	0.01778	-0.023732	0.013172	0.011019	-0.013407	-0.013203	0.010125	-0.008765	0.013045	0.038793	-0.021078	0.01354	0.018975
233	-0.001476	0.022774	-0.004251	-0.04728	-0.01764	-0.003818	-0.011908	0.029594	-0.013687	0.007421	0.020747	-0.012429	0.006825	0.019309
234	0.003292	0.013069	0.004288	0.028997	0.00736	-0.017046	0.010154	-0.018067	0.004323	-0.012829	-0.045237	0.036347	-0.00311	0.024768
235	0.025835	0.014993	-0.000601	0.004111	-0.008561	-0.009312	0.008414	-0.028483	0.035079	-0.008399	-0.035212	0.01864	-0.009061	0.014004
236	0.013662	0.006667	-0.003228	0.028011	0.026484	0.005804	0.01775	0.00021	-0.010243	0.009045	0.018003	-0.019555	0.008031	0.003292
237	0.02152	0.024454	0.003811	0.013311	0.015434	-0.001196	-0.006524	0.00241	-0.011016	0.003303	0.004029	-0.029842	-0.007489	-0.006329
238	-0.005133	0.016169	0.020152	0.00162	0.005095	0.002786	0.021738	-0.013574	0.002347	0.002178	0.014457	-0.049684	0.00357	-0.015424
239	-0.016984	0.010861	0.028362	0.001912	-0.008965	0.000544	0.01034	-0.014482	0.023202	0.001525	0.003789	-0.021173	0.008779	-0.02216
240	-0.01875	0.023182	-0.004831	-0.050337	-0.025974	0.005425	-0.014561	0.007436	-0.027706	0.001219	0.033034	-0.011898	0.022787	0.021615
241	-0.010622	0.012	0.01473	-0.035418	-0.013411	0.004199	0.002371	0.021087	-0.027417	0.002782	0.026557	-0.002424	-0.002103	0.006145
242	0.003303	0.004552	0.003435	-0.002697	-0.004	0.002525	0.028259	-0.014667	0.004026	0.014722	-0.001887	-0.001747	0.002094	0.004249
243	0.006062	0.005377	0.001826	-0.001486	-0.018017	0.00923	0.012199	-0.016155	0.029396	0.010862	0.022569	-0.007547	-0.00443	0.016428
244	-0.001564	-0.00032	-0.011322	-0.027998	-0.007292	-0.009083	0.019524	0.018388	-0.004305	-0.010705	-0.016736	0.019178	0.000577	0.0181
245	0.011912	0.006351	0.000329	0.008784	0.005633	-0.007367	0.014943	0.021833	0.028573	-0.01619	-0.001883	0.056131	-0.007087	0.032601
246	0.001299	0.005998	0.005951	-0.000071	-0.002011	-0.003482	-0.012857	0.005705	0.00804	0.007684	-0.006542	0.017949	0.003257	-0.008681

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
247	-0.009743	0.005967	-0.006913	-0.004939	0.004023	0.001241	0.006859	0.007688	0.016844	0.005413	-0.000611	0.012621	0.005411	0.004827
248	-0.015339	-0.002692	-0.020584	0.004005	0.011561	-0.000592	0.005555	0.011167	0.016261	-0.007162	0.007996	-0.017122	-0.005433	0.007896
249	0.017688	0.009111	0.011546	-0.009026	-0.053739	-0.006602	-0.025596	-0.009704	-0.046962	0.017253	0.039953	-0.050038	0.011223	0.005617
250	-0.01858	0.013814	0.004594	-0.03284	-0.020912	-0.003474	0.005756	0.007526	-0.007269	-0.015461	0.026445	0.003368	0.02219	0.004807
251	-0.005192	0.017151	0.007117	-0.046291	-0.023867	-0.002362	0.01419	-0.00059	0.006901	-0.004823	0.012215	0.013281	0.011255	0.023989
252	0.009348	-0.002755	0.008464	0.032933	0.009063	-0.018346	0.03049	0.017718	0.017745	-0.015012	0.002157	0.030266	-0.003074	0.015119
253	0.003986	-0.009795	-0.015225	0.020688	-0.004705	-0.006536	-0.015744	0.007093	-0.025621	-0.009862	0.023838	-0.014046	-0.007518	0.018215
254	0.0055	0.008358	0.011139	-0.005094	-0.017823	0.012586	-0.021676	-0.009407	0.011628	0.001457	0.009199	0.010175	0.022785	0.013489
255	0.007715	0.003129	0.001169	-0.018432	0.00313	-0.006418	0.015891	-0.004924	-0.000834	-0.005395	-0.006316	0.02937	0.011145	0.021615
256	0.030454	-0.011803	-0.007136	0.033834	0.024373	-0.02277	0.037453	0.008809	-0.000616	-0.031365	-0.018419	0.049356	-0.019744	0.025425
257	0.005933	-0.012901	-0.016221	0.012376	-0.00296	-0.007368	0.020384	0.014507	-0.001476	-0.001666	-0.008874	0.013682	0.018646	-0.000315
258	0.011445	0.005997	-0.017308	0.013939	0.000671	0.010506	-0.00299	0.002315	-0.020194	0.000702	-0.020215	0.011838	-0.003275	-0.004619
259	0.017205	0.014868	0.014378	-0.022552	-0.057845	0.000103	-0.005383	0.002084	0.011713	0.00803	0.016157	-0.002926	0.005106	-0.001601
260	0.009418	0.004123	0.005496	0.020213	-0.024985	-0.001345	-0.021342	0.012998	0.027423	-0.006555	-0.013026	0.041712	0.013643	-0.024743
261	-0.007119	0.007681	0.011863	0.023091	-0.003431	-0.001547	0.003655	-0.00087	-0.007415	-0.003279	-0.018913	-0.002677	0.013766	-0.022229
262	-0.007057	-0.004984	-0.007772	0.017618	0.003908	-0.010952	0.018106	0.011213	0.014495	0.011326	-0.001063	-0.012759	0.006712	-0.00696
263	0.001918	-0.007596	-0.009561	0.015706	0.003786	-0.011231	0.011311	0.019427	0.022106	0.00069	0.005515	-0.004001	0.000275	0.000495
264	0.018836	0.000765	0.016451	-0.014801	-0.051345	0.005929	-0.002691	0.000512	0.002028	0.015191	0.007625	0.000794	-0.009501	-0.023638
265	0.01166	-0.000853	0.035719	0.027023	-0.01534	0.012937	-0.041578	-0.006726	0.000934	0.009177	0.000959	0.016624	0.009765	-0.029445
266	0.004542	0.002296	0.025648	0.039221	0.025726	0.004201	-0.022628	-0.005497	-0.006816	0.00069	-0.017777	0.015797	0.017413	0.003161
267	-0.016721	-0.012677	0.003808	0.027682	0.018055	-0.008158	-0.069543	-0.024916	-0.036703	-0.034834	0.008921	0.000886	-0.001571	-0.007617
268	-0.003747	-0.007829	0.008522	0.017096	0.01825	-0.007174	-0.042085	-0.020092	-0.009199	-0.001631	0.001153	0.006522	-0.004848	0.001211
269	-0.000276	-0.008958	-0.002986	0.01432	0.022598	0.002804	-0.024665	-0.01879	-0.00663	0.009861	0.00294	-0.007069	-0.004463	0.006206
270	-0.013596	-0.020478	-0.001829	0.016579	0.016923	-0.00114	-0.031197	-0.020223	-0.00577	0.007016	0.008885	-0.003824	-0.002846	0.005977
271	-0.021919	0.013342	0.00993	-0.006923	0.010023	-0.012591	-0.060322	-0.006838	0.018291	-0.00354	-0.0145	0.001841	0.008998	-0.002774
272	0.00249	-0.008212	-0.000306	0.006061	0.000713	-0.006402	0.004837	0.009211	-0.005544	-0.020696	-0.025692	0.008897	0.000953	-0.002802
273	0.017065	-0.025375	-0.004533	0.00188	0.000725	-0.005281	0.003854	0.005726	0.01349	-0.005739	0.008706	-0.022813	-0.008627	-0.004293
274	0.01886	-0.028068	-0.000249	-0.001105	0.001751	0.001823	0.009113	0.007139	0.006701	-0.000028	0.007685	-0.024793	-0.004304	-0.005351
275	0.002189	-0.04173	-0.019413	-0.002753	-0.00117	0.001874	0.009218	-0.000737	0.017281	0.009842	0.02975	-0.020735	-0.007576	0.012661
276	0.019248	0.010936	0.003655	0.031257	0.023473	0.009731	0.034761	-0.005684	-0.01444	-0.001833	0.007491	-0.02019	0.007944	-0.001202
277	0.011796	0.017157	0.003143	0.00596	-0.001161	0.006938	-0.028306	-0.002963	-0.005842	0.012778	-0.008163	-0.007699	-0.002838	-0.003644
278	0.002491	0.010152	-0.007033	-0.007761	-0.010626	0.006831	-0.020651	0.011897	0.006575	0.011773	-0.010943	-0.021286	-0.007294	-0.006115
279	-0.028344	0.004027	0.022039	-0.001873	-0.002696	0.01563	0.006727	-0.021976	0.021132	0.008149	0.009467	-0.030261	0.012638	-0.018167
280	0.031308	-0.001664	0.00968	-0.001922	-0.020502	0.007655	0.000581	-0.025711	-0.007903	0.004794	0.025331	-0.024523	-0.016388	0.018176
281	-0.000802	-0.005363	0.008675	-0.00833	-0.010552	-0.002769	-0.029844	0.007641	-0.000641	0.011235	-0.025312	0.004758	-0.011805	-0.019222
282	0.009142	0.000985	-0.003433	-0.020075	-0.019109	-0.001176	0.000792	0.012448	0.025224	0.019179	-0.029836	0.000315	-0.015107	-0.00534
283	-0.036592	-0.013421	-0.003018	-0.011997	0.00994	0.010021	0.019187	0.001387	0.03036	0.006275	-0.002758	-0.001699	-0.00244	0.005345
284	0.002266	-0.016868	-0.011065	0.004948	-0.000907	-0.00297	0.015721	0.003794	-0.006058	-0.004606	-0.012302	0.012131	0.004804	-0.013547
285	0.001386	-0.01515	-0.01265	-0.002202	-0.007678	-0.005427	0.016792	0.005598	0.007799	0.001373	-0.008128	0.005449	0.007203	-0.006694
286	0.014842	-0.000117	0.000985	-0.006009	-0.006681	0.017782	0.004628	0.008449	-0.030254	0.005928	-0.024081	0.020486	0.002928	-0.010133
287	0.00529	-0.002156	-0.010902	-0.01054	-0.007991	0.014619	0.01224	0.008451	-0.016274	0.007265	-0.019851	0.012907	-0.005938	-0.000322

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
288	-0.007985	-0.004974	-0.02405	0.003055	0.008759	0.015763	0.00942	-0.000481	-0.015919	0.000772	-0.006823	-0.013414	-0.019739	-0.003676
289	-0.000651	-0.024183	-0.007459	0.015849	0.007828	-0.002001	-0.002303	0.011903	-0.010713	0.004269	-0.009842	-0.00583	0.002435	0.000379
290	-0.010965	-0.011738	-0.014476	-0.000453	0.008242	-0.007763	-0.009636	0.019366	0.027611	-0.005845	0.038825	-0.016686	-0.015728	0.016703
291	-0.009439	-0.009101	-0.014014	0.001599	0.009232	-0.008093	-0.011998	0.01594	0.030403	-0.005476	0.03818	-0.014136	-0.012665	0.0189
292	-0.011	-0.004078	-0.013962	-0.00342	0.005369	-0.006155	0.000071	0.013378	0.028155	-0.000213	0.046379	-0.02471	-0.00459	0.017141
293	0.011889	0.02034	-0.024266	-0.003905	0.006384	-0.003979	0.000154	0.013309	-0.013692	-0.005546	-0.010934	-0.007116	0.002912	-0.008788
294	0.014722	0.006602	-0.010945	0.013454	0.004948	0.002446	-0.005335	0.007573	-0.001789	-0.002665	-0.004881	-0.019736	-0.018095	-0.009191
295	0.018369	-0.011819	-0.006005	-0.009691	-0.004229	-0.012042	0.03989	-0.001936	0.01572	-0.007107	0.008245	-0.019839	0.002431	-0.001807
296	0.018251	-0.010592	-0.021542	0.000187	-0.009462	0.00444	-0.005153	-0.009149	-0.026848	0.004222	0.013841	-0.0163	0.005514	0.015006
297	0.021087	-0.010229	0.001451	0.000018	-0.008803	-0.005489	0.051133	0.006285	0.00542	-0.006716	-0.008155	-0.018408	-0.006223	-0.01922
298	0.010436	0.011201	-0.016956	0.04053	0.029337	0.014301	-0.011756	0.02292	0.012491	-0.02506	0.034343	0.020256	0.014281	0.012565
299	0.024925	0.013686	0.007626	0.008168	-0.003472	-0.006233	0.03304	0.000072	0.013836	0.005571	0.001157	-0.013978	-0.009561	-0.003265
300	-0.007259	-0.005364	0.003882	0.01068	0.019161	0.031102	-0.006281	0.015514	0.019506	-0.001677	0.034844	-0.093827	0.03121	0.028412
301	0.008331	0.000837	-0.015072	-0.001824	-0.013617	-0.01539	0.048504	0.008625	0.029487	0.002622	0.007037	-0.005088	-0.00849	0.002138
302	-0.006128	-0.020874	0.004726	-0.010962	-0.02741	-0.002395	0.013268	-0.011246	0.027756	0.011057	0.022658	-0.019795	-0.004217	0.002347
303	0.017693	0.024783	-0.013146	0.004625	-0.01831	0.009162	0.042088	0.011136	0.017164	0.017673	-0.006843	0.003499	-0.004344	0.00327
304	0.007611	0.006892	-0.002534	-0.000622	-0.017629	0.003515	0.027846	-0.000635	0.004117	-0.001695	0.012431	-0.01976	-0.020298	0.018948
305	-0.01329	-0.017306	0.018784	-0.008105	0.001555	-0.019909	0.004646	0.040655	0.010115	-0.008075	-0.025888	0.012356	0.01093	-0.019704
306	-0.010595	0.010698	-0.02949	-0.009506	-0.021959	0.00624	0.005036	0.055719	-0.037382	-0.017098	-0.015137	0.022983	-0.000322	-0.003421
307	-0.00732	-0.004561	-0.008612	-0.007972	0.000539	0.013303	0.041616	0.035592	-0.060567	0.019889	0.002793	-0.077302	0.006736	0.016361
308	0.034524	0.027161	0.000779	0.009771	0.014081	0.014113	0.017563	0.04877	-0.056258	0.011809	-0.018857	0.010069	0.014852	-0.001103
309	-0.008732	0.003455	-0.000267	0.007683	0.008894	0.006408	-0.029913	-0.028437	0.019086	0.017945	0.013801	-0.012874	-0.005487	-0.002137
310	-0.003045	-0.007079	-0.014698	-0.002275	0.001077	0.000617	-0.047787	-0.010002	-0.008314	0.004149	0.006053	0.055912	-0.001405	-0.010415
311	0.003025	-0.004557	-0.001121	0.002128	0.011323	0.01904	-0.01323	0.026019	0.006587	0.015962	0.025115	-0.016184	-0.004681	0.002623
312	0.005826	-0.027338	0.014735	0.025963	0.022508	0.020551	0.039927	0.030143	0.006394	-0.000157	-0.016217	0.02675	-0.029809	-0.002474
313	0.018196	-0.004416	-0.017398	0.01797	0.0098	0.011334	0.013981	0.034671	-0.01507	0.000435	-0.026679	0.018745	-0.009418	-0.014735
314	0.024469	-0.008618	-0.018779	0.032751	0.012551	-0.030447	-0.029023	0.049341	-0.00518	-0.056466	-0.039607	0.057328	-0.022548	-0.000928
315	0.010901	0.01709	0.001371	0.013019	0.012853	0.020752	0.006838	0.004877	-0.002894	0.022292	-0.010665	0.009428	0.00465	-0.00375
316	0.006114	0.003945	-0.056214	-0.012779	-0.008745	-0.013498	0.018919	-0.016637	0.027676	-0.00277	0.021914	0.016837	0.000985	-0.010256
317	0.000738	0.008793	-0.01766	0.016813	0.011899	0.007065	-0.007635	-0.002446	0.044387	0.013595	0.008872	0.015778	0.012966	0.009062
318	0.018192	0.012455	0.000128	-0.021541	-0.00788	0.00499	-0.000689	0.000491	0.009093	-0.001863	0.010716	-0.009623	0.021844	0.025504
319	0.016605	0.021357	-0.014418	0.013232	0.010046	0.018408	0.002164	-0.017506	0.022159	0.025708	-0.007309	0.00709	0.002932	0.012635
320	0.022512	0.010868	-0.011647	0.008682	0.003538	0.008798	-0.042115	-0.009837	0.016447	-0.014586	0.003346	0.017903	-0.001237	0.009395
321	0.029231	-0.006741	0.001839	0.010881	-0.011362	-0.015357	0.027811	0.024679	-0.012738	-0.011197	-0.001897	-0.004043	-0.022704	-0.024209
322	0.002917	-0.012774	0.033142	-0.019373	-0.004457	-0.009294	0.009547	-0.004375	-0.003192	-0.036805	0.071435	-0.074676	0.003871	-0.036184
323	0.027794	-0.017371	0.031527	0.024966	0.021247	-0.00359	0.008491	0.019186	-0.006569	-0.020042	0.034722	0.053316	0.003331	-0.007385
324	-0.040676	-0.029281	-0.003695	-0.009139	-0.019329	-0.007953	-0.072682	-0.051931	-0.04096	-0.018093	0.001157	-0.044801	-0.016546	-0.045527
325	-0.005362	0.005697	-0.011301	0.018665	0.005978	0.02589	0.004248	-0.024909	-0.00534	0.022145	-0.004759	-0.016964	-0.012875	-0.029873
326	-0.014154	-0.007446	0.009479	0.008956	0.020783	0.03061	-0.034943	0.012136	0.01206	0.051906	0.035652	-0.010112	-0.004171	-0.011525
327	0.00575	-0.002112	0.005696	-0.002532	0.002487	0.010905	-0.005444	-0.014561	0.016313	0.011446	0.020343	-0.009365	0.004208	-0.00326
328	0.02417	0.013066	0.00676	0.051597	0.033233	0.012925	-0.088021	0.058851	-0.071721	-0.012649	0.026125	-0.026452	0.011405	0.000528

	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG
329	0.019561	0.001992	0.016216	-0.00507	-0.001714	0.011022	0.000851	0.036853	0.031906	0.02725	0.019845	0.027157	0.013327	0.004705
330	0.014719	-0.013583	0.000749	0.028946	0.001289	-0.01658	0.026404	-0.025539	0.058975	-0.026718	0.027245	0.022333	-0.025557	-0.030494
331	-0.003483	0.012197	0.002016	0.007791	0.015227	0.025592	-0.008407	0.014957	0.002293	0.014871	0.003782	0.00974	-0.009722	-0.006566
332	0.001785	-0.014249	0.012555	0.00977	0.020098	0.022975	-0.02124	-0.033143	0.024322	0.039367	0.034434	-0.071623	-0.011456	-0.003335
333	-0.002978	0.007007	-0.009893	0.013387	0.006695	0.015502	0.00091	-0.016366	0.009442	0.016803	0.004481	-0.021495	-0.007821	0.00071
334	-0.003103	0.017788	-0.00867	-0.001271	-0.01624	0.004199	0.035985	-0.023281	0.029646	0.000677	-0.040521	-0.010994	-0.021557	-0.031688
335	0.005698	-0.001311	-0.007327	0.015572	0.018392	0.026001	-0.01231	-0.001705	0.005611	0.017845	0.010706	-0.007649	-0.023062	0.001541
336	-0.015506	0.012115	-0.002116	0.003066	0.019351	-0.026261	-0.000754	0.002746	0.026329	-0.00422	0.020134	-0.009461	-0.02195	0.028157
337	0.014803	0.007617	-0.014388	-0.000079	-0.007313	-0.007915	0.014621	-0.008149	0.014812	0.003145	-0.001887	0.013656	-0.003263	0.01902
338	0.001952	0.007645	-0.025648	-0.002159	0.017206	0.005999	-0.016755	-0.021119	-0.04502	0.021546	0.013589	-0.039562	0.02284	0.038011
339	-0.016433	-0.010274	0.01888	0.005418	0.004644	0.015539	-0.009085	0.016885	0.008191	0.019891	-0.003787	0.014113	0.002851	-0.011433
340	0.031499	-0.007455	0.040027	0.001754	-0.00328	-0.006347	-0.02871	-0.010791	0.013202	-0.001926	-0.041795	0.06528	0.034558	0.022223

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
1	0.04727	0.031264	-0.031621	-0.067029	-0.000657	0.090089	0.074888	0.106287	-0.00835	0.020302	0.00921	0.036042	0.015388	0.05993
2	-0.012538	-0.056183	0.164834	0.118707	0.010096	-0.065741	-0.026839	-0.036819	-0.1739	0.045486	0.00764	0.07174	-0.003677	-0.034206
3	-0.012607	0.055396	-0.11147	-0.030569	-0.010465	-0.094676	0.014894	-0.038308	0.039345	-0.007622	0.068712	-0.066588	0.010415	-0.00925
4	-0.118605	-0.125299	0.10067	-0.022147	0.032735	0.003579	0.041574	0.02965	-0.052772	-0.013768	-0.070481	-0.110725	-0.013932	-0.029821
5	-0.016498	0.028893	0.040423	0.064569	0.039244	0.032301	0.038393	-0.001657	0.011441	0.009704	-0.034286	-0.022572	0.011177	0.004157
6	-0.014553	0.05141	-0.13633	-0.11685	0.016717	-0.048944	-0.023143	0.060159	0.045983	0.010905	-0.010793	-0.032171	-0.009598	-0.051487
7	-0.009098	0.043455	-0.097483	-0.049218	0.104027	-0.039787	0.036888	-0.029928	-0.123632	-0.054015	-0.049621	0.043112	0.016901	-0.004097
8	0.021972	0.017442	0.084813	0.059611	-0.009428	0.000398	-0.040362	-0.025515	0.054882	0.014443	0.077557	0.010592	-0.009144	0.01009
9	0.047582	0.063334	-0.024799	0.086442	-0.002856	-0.021516	0.043434	0.056749	-0.018432	0.014623	-0.051031	0.067525	-0.004881	-0.004511
10	0.086604	-0.029294	0.081715	0.018173	0.027591	-0.050333	0.018144	0.039149	0.034018	-0.024669	-0.131648	-0.01923	0.060438	-0.001198
11	-0.025741	0.052915	-0.151309	-0.005351	-0.045202	-0.004981	-0.036966	-0.022485	-0.06625	0.016215	0.011485	-0.043674	-0.094436	0.113862
12	0.048788	0.010363	0.038394	0.01227	-0.022815	0.046763	0.065748	0.017682	0.048063	0.03176	-0.041358	0.054496	0.010613	0.066939
13	-0.029535	-0.026254	-0.061103	-0.03646	0.017552	-0.091869	-0.014294	-0.012931	-0.065061	-0.037244	-0.14909	0.065281	0.026773	-0.043599
14	0.093609	0.114506	-0.060414	0.162547	0.002853	0.010042	0.039638	0.041272	0.004506	-0.026522	-0.061318	0.093852	0.037226	0.043302
15	-0.043148	-0.093543	-0.079599	0.055875	0.023067	0.09028	0.03499	0.027617	-0.009556	0.01406	0.060108	0.090702	-0.008904	-0.07664
16	0.00958	-0.030486	0.063957	0.066101	-0.001726	-0.098498	0.002714	-0.014184	0.08031	-0.007561	-0.127392	0.0304	0.00839	-0.005965
17	-0.008553	-0.000278	-0.060281	0.004121	0.024729	-0.016723	-0.016944	-0.066431	-0.070253	-0.032807	-0.019126	-0.019777	-0.037309	0.035803
18	-0.015166	0.015383	0.079807	-0.075486	-0.041623	0.022423	-0.036988	-0.012743	0.093635	-0.013407	0.014798	-0.020095	-0.00096	-0.055632
19	0.071989	-0.026291	0.019192	0.066725	0.020106	0.001861	0.010786	-0.041359	0.018127	0.058642	0.139199	0.007413	-0.016156	0.076914
20	0.040166	-0.039343	0.150667	-0.003556	-0.037478	0.058357	-0.033269	-0.035821	-0.016045	-0.050462	-0.026712	0.138787	0.014343	-0.089263
21	-0.078365	-0.112717	0.098476	0.054519	0.035514	0.045232	0.009002	0.041184	0.012927	0.004188	-0.152384	-0.176124	-0.032669	-0.094619
22	-0.051042	0.020175	-0.092357	-0.029535	0.018999	0.080312	0.038377	0.02359	0.078763	-0.025191	-0.157796	0.033043	0.082744	-0.030087
23	-0.024209	-0.083597	0.023592	-0.009777	0.002002	-0.022953	0.025768	0.147	0.099709	-0.031058	-0.031005	0.037216	0.003856	-0.022915
24	-0.008673	0.038081	0.062649	-0.08943	0.02023	-0.036434	-0.008554	-0.143651	-0.036999	-0.041907	0.003599	-0.007487	0.099354	-0.057441
25	-0.057225	0.022682	0.046129	-0.010675	0.036285	0.094031	0.016126	-0.008833	-0.039057	0.019002	0.107417	0.02225	0.003025	0.039016
26	0.070808	0.146851	-0.050805	0.169402	0.039992	0.002744	0.015465	-0.010874	-0.048252	0.007318	0.028166	-0.070164	0.004065	-0.015624
27	-0.03064	-0.067834	-0.063317	0.009187	0.047658	0.04338	0.014283	-0.015883	0.107018	0.013755	0.004298	-0.118869	0.028391	0.022193
28	0.029084	-0.047126	0.066048	0.014937	-0.114924	-0.044952	-0.052011	-0.007181	0.134155	0.070475	-0.045131	0.086698	0.031856	0.056457
29	0.026883	0.046683	-0.076429	-0.006436	0.019672	0.022079	0.013656	0.023607	0.021269	0.002507	0.000876	-0.043731	0.003402	0.014636
30	-0.007807	-0.134268	-0.048413	0.062797	0.002016	0.046197	0.013653	-0.018503	0.025679	0.005401	-0.165409	-0.15193	0.086357	0.044048
31	-0.075519	0.115706	0.034791	-0.03841	0.006646	-0.028157	0.022833	0.002758	-0.001818	0.072221	0.005596	-0.120325	-0.081561	0.048437
32	0.015112	-0.007091	0.174183	-0.030346	-0.021861	-0.041255	-0.086269	-0.083824	-0.122861	0.004727	-0.031216	-0.179524	0.007878	-0.044072
33	0.039788	-0.056835	0.04208	-0.163498	-0.042896	-0.047528	-0.003738	0.002974	0.041349	-0.047592	-0.050269	-0.059329	-0.016487	0.030291
34	0.086822	0.015411	-0.048153	0.041247	-0.021315	-0.035759	0.05864	-0.079829	0.018251	-0.008837	0.018161	-0.131974	0.060081	-0.017261
35	-0.045689	-0.048706	-0.088346	0.009599	-0.103794	-0.043569	-0.004389	-0.044412	-0.05765	-0.022605	-0.053485	-0.019072	-0.050394	0.019145
36	0.005917	-0.060668	0.177693	-0.095474	0.038491	-0.000802	-0.062656	0.05281	-0.036002	0.047001	-0.089709	0.085309	0.006254	0.029065
37	-0.054177	0.101039	-0.000715	0.087918	0.01841	-0.04464	-0.096861	0.005282	0.086432	-0.003559	0.035877	0.013173	-0.080352	-0.000665
38	-0.001691	-0.088043	-0.143298	-0.048932	-0.096881	-0.009893	0.013394	-0.042435	0.023605	0.002666	-0.066617	-0.077165	-0.024951	0.036808
39	0.097088	0.004176	0.019397	0.079767	0.100854	-0.085163	0.022986	-0.012497	0.016028	0.066548	-0.016262	0.08657	0.004194	-0.04487
40	0.042481	0.02818	0.020405	-0.012087	-0.004316	-0.007437	0.002668	0.011841	-0.001964	-0.001293	-0.016911	0.015505	0.012582	-0.013172
41	-0.06057	-0.052151	0.09389	-0.109523	0.00605	0.03385	-0.029693	-0.039877	-0.048103	0.026201	0.050386	-0.027069	0.023014	-0.049499

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
42	-0.050932	-0.066501	-0.023779	-0.04424	-0.020863	-0.011161	0.025947	-0.022002	0.014602	0.019744	0.017431	-0.055287	0.018474	0.023299
43	-0.053677	0.088676	-0.011944	-0.075129	-0.11033	-0.007032	-0.120904	0.010306	-0.094316	-0.165709	0.021295	-0.064518	-0.091297	-0.161608
44	-0.095297	0.148973	0.028762	-0.014237	0.027099	0.073611	0.026147	0.083925	0.004005	0.040883	0.180394	-0.065172	-0.080661	0.021593
45	0.117467	-0.034531	-0.027704	-0.120422	-0.021301	0.071099	-0.018734	-0.01766	-0.0124	0.030854	0.047602	-0.062948	-0.006775	0.100753
46	0.013804	0.074381	0.017874	-0.078894	-0.03465	-0.039447	-0.045216	0.020924	0.040047	-0.012325	-0.014835	-0.087093	-0.021473	0.039412
47	0.018681	-0.116421	0.239082	0.003228	-0.055047	-0.03815	0.030589	-0.093754	-0.006294	-0.040274	0.061899	0.014187	-0.045132	0.078086
48	0.019379	-0.047296	-0.063199	-0.053365	-0.076221	-0.062313	-0.092429	-0.005804	0.037783	-0.012647	-0.126984	0.024275	0.001772	-0.093818
49	0.071408	-0.006184	-0.012586	-0.047948	0.065674	-0.05196	-0.059718	0.039561	-0.046664	0.011101	-0.042251	0.027539	-0.025084	0.005403
50	-0.013897	0.014372	-0.061494	-0.141588	-0.032405	0.051343	-0.000839	0.044764	0.104248	-0.052115	-0.022717	-0.009559	-0.001176	-0.052552
51	-0.024605	0.152105	0.035926	0.198809	-0.059433	0.092548	-0.035701	-0.01546	-0.011213	-0.007361	-0.000863	0.114441	-0.056167	0.054834
52	0.002703	0.17763	-0.114401	0.038408	0.011746	-0.07133	-0.031727	-0.057834	-0.049893	-0.044959	-0.025766	-0.058392	0.023983	-0.010618
53	-0.03886	-0.017244	0.05494	-0.093021	-0.005466	0.071763	0.228445	0.144428	0.090154	-0.055078	0.074115	-0.144596	0.024024	0.00838
54	0.011231	-0.083389	-0.03781	0.111157	0.09188	0.00628	-0.000363	0.054402	0.008008	-0.020542	0.117977	-0.09238	0.034148	-0.07432
55	-0.011097	0.048611	-0.01279	-0.07112	0.065444	-0.029081	-0.013869	-0.070122	-0.011449	-0.010548	-0.141396	-0.062619	0.014741	0.092144
56	0.034701	-0.010291	0.138149	-0.043023	0.016082	0.05195	0.063	-0.027304	-0.013404	-0.048778	-0.115968	0.037431	-0.006331	0.063808
57	-0.003173	-0.057721	0.010705	-0.015544	-0.023714	-0.043685	-0.093528	-0.069112	-0.056028	-0.011259	-0.002096	-0.105738	-0.027121	-0.029229
58	0.001804	-0.001077	0.036149	-0.062373	-0.017621	0.064446	-0.102138	-0.045451	-0.065461	-0.017551	-0.008983	-0.014271	-0.104979	-0.03085
59	-0.042834	0.002869	0.029155	0.086178	-0.077889	-0.039487	0.019918	-0.073111	0.056221	-0.058603	-0.002418	0.062292	-0.005361	0.024845
60	-0.00329	-0.01549	-0.008054	0.020859	-0.001714	0.034732	0.035514	-0.018398	0.008766	0.039311	0.04916	-0.020752	-0.003042	0.07031
61	0.024497	0.015524	-0.022991	0.008444	0.004022	-0.020594	-0.002863	-0.041006	-0.00847	0.004813	0.023312	-0.017954	0.023356	0.015765
62	-0.018972	0.020049	-0.002719	-0.024122	-0.002816	0.007854	0.004309	-0.009091	0.001231	0.012679	0.037464	0.014466	-0.001744	0.025248
63	0.006972	0.038896	-0.010136	0.029597	0.024422	-0.007692	-0.002566	-0.019742	-0.000746	0.009248	0.020077	0.010376	0.021799	0.001257
64	0.001469	0.021653	0.02834	0.033273	0.032146	0.01264	0.005283	-0.002364	-0.017028	-0.008503	0.053176	0.04387	0.003564	-0.00963
65	0.018362	-0.00184	0.000937	-0.000104	0.026885	-0.002471	0.016175	0.040177	0.016881	0.000793	-0.042067	0.03095	0.007421	-0.001638
66	0.007072	0.030287	0.020935	-0.002512	0.025335	0.001504	0.00819	-0.001402	0.002115	-0.014908	-0.027863	-0.037157	0.004327	0.031828
67	-0.017059	0.011657	-0.022947	0.000113	0.00292	0.0088	0.015634	-0.006118	0.01432	-0.005975	-0.024369	-0.049241	0.027625	-0.004487
68	-0.03847	-0.035181	-0.008498	0.017202	-0.019079	0.021211	0.013764	-0.009194	0.023954	0.005546	-0.018069	0.034389	-0.005002	0.002723
69	-0.001885	-0.009977	0.038148	-0.035488	-0.011145	0.020499	0.017338	-0.013686	-0.004883	-0.016805	0.001654	0.018849	0.006695	0.020312
70	-0.003008	0.009708	-0.005275	0.005995	-0.000023	0.014183	0.021121	0.016534	-0.001697	0.017974	0.029709	-0.019099	-0.024963	0.033186
71	-0.02281	0.030761	-0.015891	-0.005917	-0.023715	0.021949	0.02236	0.019878	0.013113	-0.008903	0.026137	0.014668	-0.006668	0.009796
72	-0.022316	0.004125	-0.019076	-0.026998	-0.009456	0.033452	0.034494	0.008157	-0.006824	-0.002011	0.065997	0.042467	-0.008345	0.015604
73	0.003753	0.000614	-0.021792	-0.023034	0.013283	-0.005881	0.027066	0.002788	-0.022768	-0.009779	0.000538	-0.03257	0.001976	-0.013765
74	-0.033915	-0.026222	0.000165	0.012652	0.018363	0.006935	0.013465	0.035326	-0.001298	-0.003893	0.042117	-0.028162	-0.039342	-0.013345
75	-0.009215	0.014769	0.019365	-0.009995	0.000297	0.001411	0.001201	0.00589	0.01686	0.00687	0.003587	-0.010938	-0.008414	0.0143
76	0.001879	-0.014501	0.005427	-0.030412	0.013603	-0.011802	-0.009662	0.017579	0.003589	-0.007218	-0.04554	-0.047265	0.004753	-0.00177
77	-0.01097	0.018679	0.009943	-0.018078	-0.004875	0.016166	0.000627	0.009299	0.01814	0.008409	0.011951	-0.01059	-0.012993	0.01248
78	-0.019515	0.021141	0.011501	0.001715	-0.012969	0.007689	0.000695	0.006801	0.02079	0.011389	0.009964	-0.005838	-0.012512	0.009228
79	-0.003539	0.017582	0.043938	-0.00347	0.019199	0.001271	0.016433	0.011826	0.013408	-0.00664	0.014422	-0.029956	-0.015789	0.015493
80	0.004358	0.012674	-0.085349	0.015414	0.026336	0.003209	-0.004638	0.000036	-0.038968	-0.023406	0.034651	0.007633	0.012241	-0.014708
81	0.008914	0.004335	0.035731	0.004506	-0.000079	-0.007809	-0.05732	0.006667	-0.020389	-0.00222	-0.013005	0.027966	-0.023468	-0.011706
82	0.004176	0.015294	-0.019652	-0.02358	-0.013935	0.031863	0.012162	0.012489	-0.017516	-0.010639	-0.005929	0.007436	-0.008757	0.013935

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
83	0.000801	-0.002724	0.000371	0.005555	-0.012392	0.006306	0.010288	0.013593	-0.003008	0.003956	-0.003771	0.013283	0.000366	0.004002
84	0.001755	0.005918	-0.019459	-0.013732	-0.008506	0.010834	0.004326	0.019209	0.013754	0.006958	-0.009906	0.013833	0.000303	0.005761
85	-0.008554	0.011278	-0.001284	-0.072395	0.044014	-0.038274	-0.000554	0.028476	0.017065	-0.027094	-0.033696	0.004834	0.009406	-0.004947
86	-0.003955	0.011087	-0.005411	-0.058868	-0.013245	-0.018969	0.021765	-0.012733	-0.001406	-0.016263	0.003087	-0.013885	0.012282	0.001744
87	-0.021407	0.012898	0.005057	-0.003534	0.012026	-0.00466	0.034934	0.004461	-0.019794	-0.010389	0.029421	-0.058481	0.008412	0.014789
88	0.007136	0.019035	-0.011513	0.012443	-0.011775	0.013964	0.007789	0.004309	0.014241	0.003814	-0.000234	0.018388	-0.001485	0.009293
89	-0.012473	-0.00978	0.011501	0.015169	-0.024742	0.014284	0.01872	0.007401	0.008405	0.000669	-0.018336	0.020717	0.002986	0.006048
90	-0.014447	-0.017246	0.012724	0.00627	0.004516	0.008231	0.030292	0.00643	-0.01493	-0.007532	-0.019599	0.004162	0.014497	0.004452
91	-0.001158	0.004309	0.000279	-0.035987	0.002521	0.019604	0.010689	0.018162	-0.019194	-0.000418	0.008354	0.037114	-0.004801	-0.004716
92	-0.005959	-0.035896	0.003619	0.014376	-0.014293	-0.021443	-0.024777	0.009906	-0.02926	0.017561	-0.028402	0.01437	-0.005705	-0.062414
93	-0.008026	-0.001118	-0.036722	-0.029082	0.011083	0.009073	-0.002112	0.007907	-0.009102	0.009195	-0.033787	0.018075	0.014276	-0.008798
94	-0.028973	-0.000963	-0.027741	0.023673	-0.002462	0.004394	0.025614	0.010005	-0.020177	0.007493	0.014122	0.037375	-0.010202	0.020938
95	-0.00849	0.002231	0.037455	0.025003	-0.035994	0.029669	0.000051	-0.02513	-0.028848	-0.01479	0.006471	-0.03541	-0.01016	0.019381
96	0.029421	-0.027663	-0.005865	0.029044	-0.005601	0.004294	0.024793	0.017471	0.014725	0.009693	0.066077	-0.036635	-0.015598	0.042048
97	0.00111	-0.034922	0.027686	0.003038	0.013888	-0.021622	0.007618	0.015008	-0.031485	-0.013216	-0.005173	-0.025533	-0.002223	-0.012017
98	-0.022929	0.007056	-0.008072	-0.002829	0.011855	0.005211	0.00021	0.017362	-0.013377	-0.004501	0.013124	0.002298	0.006364	-0.013263
99	0.019425	-0.024773	0.026621	-0.004941	0.008335	0.000858	0.010064	0.016337	-0.004144	0.001935	0.006621	-0.004327	-0.002739	0.001841
100	-0.009366	0.050634	-0.00662	0.022871	-0.018902	0.008075	-0.000487	-0.001773	-0.014125	-0.008828	0.045273	0.004346	-0.001903	-0.004982
101	-0.027591	-0.000335	-0.040524	-0.001629	0.018065	0.004627	-0.011795	0.018481	-0.011952	0.006919	0.006527	-0.001232	-0.006502	-0.009282
102	0.008598	0.030075	-0.034824	0.02074	0.004281	-0.005796	0.013037	0.017294	-0.017077	-0.003227	0.000822	-0.009413	0.010923	0.003873
103	-0.039525	0.044667	0.021841	0.047595	-0.022493	0.002564	0.012261	-0.003058	-0.020071	-0.000745	0.010178	-0.014759	-0.035231	-0.023782
104	0.004732	0.013993	0.007555	-0.020572	-0.019225	0.002344	-0.029556	0.024239	-0.025138	-0.027955	-0.029468	-0.011009	-0.031958	-0.021813
105	-0.009676	0.065995	-0.026798	0.03578	-0.009169	-0.012198	-0.007773	0.040534	0.053366	0.039151	-0.010962	0.04054	-0.012462	0.017365
106	-0.020555	0.022214	-0.024567	0.000013	0.01828	0.028782	-0.000194	-0.01631	0.014105	0.015468	-0.003959	-0.03584	0.010403	0.004839
107	0.012668	-0.014866	-0.009602	0.017001	0.013494	0.026597	-0.017866	-0.026894	0.001869	0.009253	-0.007909	-0.00236	0.019586	0.017362
108	0.038272	-0.043893	-0.060881	-0.009944	0.023269	-0.024968	-0.032682	-0.008192	0.021028	0.016842	-0.012994	0.009686	0.026924	-0.01608
109	0.004632	-0.041923	-0.059756	0.007266	0.010228	-0.010646	-0.010648	0.002371	-0.048654	0.017026	0.017658	0.007893	0.018236	0.016282
110	0.028367	0.033954	-0.03136	-0.051174	-0.006455	0.021659	0.001737	-0.005126	0.001655	0.034551	0.05481	0.030091	-0.006552	0.022254
111	0.070395	-0.022316	-0.022558	0.020678	0.061683	-0.007888	0.025171	-0.00359	0.004659	0.016803	0.021179	0.002313	0.032181	0.025437
112	0.006167	-0.003505	0.049596	-0.014557	-0.004516	-0.016133	-0.02803	-0.025341	0.036992	0.01347	0.023859	0.009823	0.018916	-0.041575
113	-0.021336	-0.050745	-0.011389	0.015828	0.040491	-0.013283	-0.009204	-0.016996	-0.051351	0.002069	-0.068371	-0.020625	0.014448	-0.013562
114	0.019033	-0.013685	-0.004089	0.02108	0.000915	-0.035138	-0.016223	0.027396	-0.036888	0.010353	-0.048447	-0.019668	-0.033792	-0.011369
115	0.012822	0.060486	-0.021232	-0.032623	0.034315	0.016291	-0.013569	0.003399	0.008362	0.059288	0.02808	-0.002626	-0.026951	0.02212
116	0.00705	-0.062155	0.011442	0.013355	-0.003823	0.008298	0.014695	-0.028122	0.030442	-0.005081	0.020173	-0.023684	0.022802	-0.028434
117	0.057146	0.04096	0.044065	-0.008448	0.022942	-0.036619	0.041133	0.042584	-0.003076	-0.009148	-0.070562	-0.010216	0.002544	0.006146
118	-0.031396	-0.003452	-0.000106	-0.009925	-0.00289	-0.008131	0.012993	0.007005	-0.068811	-0.02374	0.023721	-0.074773	-0.02925	-0.012426
119	-0.013841	-0.018734	-0.008866	-0.017034	-0.001216	-0.002326	0.005346	-0.069967	-0.037874	-0.020844	0.013433	-0.006911	0.005875	0.000674
120	0.002397	0.015478	0.006333	0.014518	0.002264	-0.022088	0.017712	0.010671	-0.006774	-0.047761	-0.066372	-0.013926	-0.007708	-0.03459
121	0.004383	0.023196	0.00894	-0.02313	0.024481	-0.014626	0.053301	0.030884	0.031038	-0.001232	-0.031711	0.092461	0.001705	0.008808
122	0.006917	0.012609	0.019241	0.009903	0.001639	-0.012822	-0.069419	-0.041668	-0.035948	0.034045	0.01791	-0.030921	-0.021362	0.004698
123	-0.002234	0.054572	-0.001487	0.01	-0.008366	-0.006407	-0.06848	-0.075406	-0.043386	0.007047	-0.008755	0.027404	-0.015749	0.001003

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
124	-0.00503	0.004436	0.012208	0.023301	0.002065	-0.021974	-0.010613	-0.069646	-0.03466	-0.010328	0.035616	-0.004747	0.009977	-0.020351
125	-0.035043	0.027544	0.05566	-0.015191	-0.017287	0.020084	-0.018877	0.028446	-0.001096	-0.03583	0.011105	0.026922	-0.018116	-0.04967
126	-0.000243	-0.013771	-0.014051	0.01574	0.004362	0.007323	0.017861	0.014631	-0.008942	-0.000679	-0.049962	-0.030227	0.00291	0.004681
127	-0.027882	-0.008954	-0.001268	0.03117	-0.011909	0.02995	0.012052	0.011884	-0.008071	0.003875	0.028419	-0.003997	-0.013545	-0.014314
128	-0.034121	-0.005129	0.002447	-0.066651	-0.054568	0.023311	-0.019403	0.007774	-0.025278	-0.027188	0.024814	-0.03124	-0.03831	-0.011264
129	-0.039446	-0.000317	-0.003968	-0.051789	0.034328	-0.054109	-0.022279	-0.054576	-0.020128	-0.002382	-0.009118	-0.023381	0.005756	-0.021078
130	-0.042538	-0.046837	-0.009707	-0.060147	-0.016765	-0.016371	-0.019326	-0.013723	0.007532	-0.01003	-0.033836	-0.067999	-0.005952	-0.038129
131	-0.033429	-0.03212	0.005458	-0.014348	0.057492	0.014637	0.034361	-0.002257	0.01793	0.006567	-0.014501	-0.045964	0.011847	0.017409
132	0.004958	0.002385	-0.00104	-0.048529	-0.043044	0.003154	-0.003866	0.002892	-0.023387	-0.050967	-0.001918	0.050633	-0.008829	-0.008857
133	-0.042025	0.011899	0.032873	-0.011252	-0.007092	0.022799	0.000569	0.002327	-0.04887	-0.02953	0.032793	0.003575	-0.017735	0.007398
134	-0.011608	-0.084236	0.073745	0.008839	0.018821	0.013809	-0.00537	-0.025184	-0.026579	0.007314	-0.056524	0.028336	-0.016855	-0.017648
135	-0.024045	0.014822	0.01756	0.012115	-0.045596	-0.008659	-0.025053	-0.036343	-0.032117	-0.049606	0.00362	-0.016454	-0.017204	-0.038315
136	-0.01117	-0.004422	0.00394	-0.022001	0.009407	-0.025808	0.001274	-0.05892	-0.072567	-0.016967	0.014458	-0.039603	-0.013515	-0.012417
137	0.862908	-0.001634	-0.026195	-0.043341	-0.014712	0.025752	-0.0052	0.012243	-0.015508	-0.022616	0.016067	-0.063488	-0.033291	-0.035625
138	-0.014553	0.691472	0.109438	-0.043959	-0.005357	-0.019226	0.004439	-0.000999	0.021461	0.00729	-0.103244	-0.043952	0.032894	-0.030904
139	0.005793	0.098453	0.586316	-0.002638	0.015126	-0.011845	0.009298	0.010495	0.016267	-0.017333	-0.003366	-0.022971	0.016264	0.005681
140	-0.023416	-0.082764	0.017932	0.674433	-0.012287	0.002223	-0.021736	0.012972	0.015661	-0.030829	-0.07597	-0.07764	0.007107	-0.018412
141	-0.011682	-0.012204	0.006601	-0.008699	0.874254	-0.007511	-0.032999	-0.032584	0.023478	-0.021864	-0.004964	-0.001168	-0.034425	0.004926
142	0.026279	0.002903	-0.000623	0.004769	0.021284	0.835937	-0.050756	-0.056131	-0.030615	0.000297	-0.06234	-0.01832	0.015834	-0.026603
143	0.003928	0.020722	0.012146	-0.011769	-0.025724	-0.051118	0.850201	-0.06751	-0.055748	0.000359	-0.013101	0.021059	-0.035396	-0.036986
144	0.01128	-0.007604	0.013116	0.013214	-0.020985	-0.058997	-0.063767	0.829415	-0.070275	-0.005429	-0.01213	-0.03055	0.004171	0.012176
145	-0.006923	0.023038	0.019098	0.006328	0.014245	-0.022613	-0.048875	-0.063501	0.799048	-0.01831	0.02249	0.01388	-0.037975	-0.019507
146	-0.015046	0.00346	-0.000189	-0.03694	-0.023016	-0.01017	-0.005803	-0.013469	-0.011662	0.916438	-0.043445	-0.019106	0.004781	-0.046289
147	0.015541	-0.078505	0.004931	-0.023958	0.03468	-0.08477	-0.029024	-0.008379	-0.001151	-0.030598	0.655728	-0.004097	0.059665	-0.0186
148	-0.04814	-0.047566	-0.067743	-0.103233	0.01387	-0.00855	0.006651	-0.013779	0.00175	-0.018772	-0.036068	0.653896	-0.003191	-0.011058
149	-0.035584	0.03943	0.005462	-0.007069	-0.04095	0.013984	-0.043304	0.006558	-0.027674	-0.001203	0.060071	-0.007725	0.899874	0.012776
150	-0.036911	-0.014662	0.01687	-0.01227	0.007222	-0.01861	-0.038847	0.00762	-0.030409	-0.051626	-0.02806	-0.009478	0.017622	0.847138
151	0.033704	0.03815	-0.087584	-0.007251	-0.000166	0.023963	-0.050886	-0.059175	-0.01832	0.006846	-0.053607	-0.005868	-0.01825	0.003052
152	0.001155	-0.005292	-0.003538	0.010244	0.000014	-0.029817	-0.002927	-0.036056	0.001027	0.003442	0.034837	0.024147	-0.004145	-0.01725
153	0.030346	0.047359	-0.074541	0.02629	-0.028083	-0.071097	-0.019162	-0.054575	0.020235	-0.032115	-0.017355	0.016976	0.009598	-0.008265
154	0.019913	0.000861	0.003337	0.002304	0.024593	-0.09069	-0.017039	-0.055913	-0.03146	-0.012742	-0.0542	0.007918	0.022224	-0.01382
155	0.009207	-0.016824	-0.009892	-0.011466	0.024732	-0.018924	0.001245	-0.026715	-0.035521	-0.043739	0.032599	0.027486	0.00741	-0.018042
156	0.001985	-0.024346	0.00052	0.028708	-0.024269	-0.006628	-0.055659	-0.044443	-0.026076	-0.019499	-0.02478	0.031464	-0.016068	-0.009132
157	-0.000364	0.007969	0.02027	-0.048676	-0.018272	-0.006213	-0.013899	-0.008172	-0.010431	-0.041867	-0.009519	-0.013717	-0.002396	-0.037895
158	-0.001175	-0.03893	-0.023929	0.019813	-0.025162	0.003503	-0.019833	0.004406	0.032131	-0.003543	-0.029773	-0.002231	-0.003166	0.032483
159	-0.04873	-0.025535	-0.025552	0.023126	-0.004798	-0.023645	-0.006862	0.005388	-0.079067	0.017215	0.017981	0.014036	-0.001626	-0.058038
160	-0.064007	0.004752	-0.032593	-0.039108	0.002483	0.018529	-0.005238	0.028824	0.004499	0.018298	-0.020311	-0.059295	-0.04396	0.017044
161	-0.024477	-0.07593	-0.061437	-0.015209	-0.039777	-0.004128	-0.023558	-0.014285	0.039469	-0.027403	-0.0444	-0.082291	-0.020994	0.003688
162	-0.048752	-0.028634	-0.011162	-0.016349	-0.02669	-0.017718	-0.028258	-0.046423	-0.028839	-0.030238	-0.016654	0.022667	-0.023566	-0.027711
163	-0.0285	0.011807	0.023828	0.015959	-0.006516	-0.051848	-0.023672	-0.019726	-0.019448	-0.006823	0.010756	-0.0017	-0.011864	-0.034194
164	-0.019599	0.032161	-0.052298	-0.020881	-0.001662	-0.034875	-0.016054	-0.044139	-0.040423	0.013197	-0.003666	-0.001817	-0.017792	0.016255

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
165	0.015974	-0.043094	0.003997	-0.00113	0.015323	0.008918	0.003021	-0.019534	0.013305	-0.020985	0.032466	-0.039138	-0.0293	0.038487
166	0.015127	-0.085811	0.027411	-0.018937	-0.000342	-0.06037	0.019549	-0.043957	0.025892	0.015607	-0.006475	-0.076047	0.014545	0.029632
167	-0.029853	-0.009523	-0.04432	-0.042819	-0.026685	-0.01351	-0.031491	-0.05965	-0.079873	-0.022611	-0.013257	0.00523	-0.021444	-0.000321
168	-0.034847	0.027522	0.021535	0.00854	-0.028316	0.00749	-0.013396	-0.013383	-0.000985	0.011136	0.058691	-0.008308	-0.014496	0.006215
169	-0.001653	0.002424	-0.026525	0.019808	-0.002655	0.009158	-0.000059	0.016889	-0.001139	-0.025943	-0.005775	0.008223	0.001109	-0.028582
170	0.006094	-0.018252	-0.027283	0.022893	-0.002839	0.013365	0.012575	0.012184	0.00792	-0.012016	-0.012718	-0.003509	0.008731	-0.010444
171	0.009854	-0.003365	-0.024722	0.016852	-0.040173	0.006841	-0.003164	-0.00094	0.021385	-0.017683	0.003433	0.028033	-0.004816	-0.008572
172	-0.004761	0.001478	-0.031793	0.017592	-0.000708	0.022373	0.013872	0.015967	-0.009742	-0.035061	-0.014113	0.006172	-0.000038	-0.033343
173	-0.022225	0.022881	-0.02948	0.009098	0.018545	0.027648	0.023045	0.047275	0.003413	-0.004243	0.010722	0.009288	-0.02004	0.004535
174	-0.016446	0.000962	-0.022866	0.005391	-0.005315	0.032623	0.012425	0.016046	-0.005784	-0.0043	0.002928	0.005342	-0.015239	0.009723
175	-0.034987	0.021406	-0.032378	0.040872	0.001196	0.046072	0.00099	0.024807	0.002057	-0.019208	0.000422	-0.033686	-0.033705	-0.041557
176	-0.003524	-0.029	-0.020036	0.0504	-0.02855	0.03049	0.010679	0.008829	0.024239	-0.012896	0.019787	-0.009186	0.000217	0.001072
177	0.027916	-0.022834	-0.028935	0.015956	0.003471	0.054706	0.062834	-0.017193	0.01087	-0.002501	-0.054792	-0.020375	0.0382	0.009891
178	-0.041731	0.026467	-0.065265	0.006496	0.005935	0.036489	0.019831	0.010021	0.000233	-0.01047	-0.017205	-0.028312	0.021877	-0.015464
179	-0.000044	-0.012565	-0.004803	-0.012616	0.012471	-0.002108	0.001935	0.005805	-0.004779	0.00223	-0.010291	-0.009361	0.021411	-0.009058
180	-0.015135	-0.013282	-0.022254	-0.010804	0.009966	0.007067	0.014423	0.016665	0.01266	0.005077	-0.014091	-0.016747	0.014805	0.000908
181	-0.004265	-0.005662	-0.021294	-0.002364	0.015773	0.010841	0.011	0.014496	0.005712	0.008488	-0.007442	0.005352	0.01841	0.004758
182	0.000838	-0.003849	-0.00602	0.004987	0.003458	0.008028	0.02045	0.007467	0.007034	0.010777	0.003327	-0.01497	0.01611	0.004921
183	0.014132	0.005841	0.021554	0.014729	-0.01928	0.011037	0.005445	-0.008979	0.002141	0.002067	0.023393	0.016987	0.017636	-0.001937
184	0.001809	-0.003042	0.030504	0.000268	-0.019324	-0.001065	-0.015746	-0.032059	-0.020925	-0.000754	0.027371	0.017735	-0.000432	0.007565
185	0.01444	-0.007846	0.056255	0.019071	-0.004414	0.008778	-0.00998	0.012625	0.000722	0.017732	0.056442	0.021345	0.001542	-0.025362
186	0.010945	0.005614	-0.013339	-0.05093	-0.00204	0.005497	-0.001342	-0.001668	0.038872	-0.001071	-0.039304	-0.028489	0.005017	0.024341
187	-0.000381	0.032061	-0.000023	0.023377	0.01911	-0.002511	0.026409	0.022171	-0.008149	0.003362	-0.005143	-0.016368	0.003233	0.010076
188	0.008525	0.003302	-0.018921	0.01764	0.004331	-0.000739	0.025439	0.002153	-0.002754	0.004113	-0.015493	-0.011149	0.014244	0.018585
189	0.008599	0.007053	-0.046115	0.034303	-0.000268	-0.024459	0.000822	0.001899	-0.000746	0.010019	-0.021756	-0.022766	0.018668	-0.016868
190	-0.030505	-0.005735	-0.013611	-0.016434	-0.030956	0.031077	-0.009805	0.003594	-0.002946	-0.001877	0.005226	-0.003461	-0.043489	0.010743
191	-0.007405	-0.005626	0.010719	-0.055698	-0.029066	0.015464	-0.013362	0.011364	-0.00292	-0.020067	-0.002034	-0.014131	-0.037884	0.009282
192	-0.002543	-0.005668	0.054721	-0.023756	-0.031567	0.016769	-0.017082	-0.016993	-0.013765	-0.008153	0.043994	0.002382	-0.007597	-0.009184
193	-0.00186	0.033972	0.027643	0.0315	-0.024431	0.020652	0.008429	-0.016503	0.010966	0.003113	0.005233	-0.005926	-0.004024	0.037468
194	0.006729	-0.004474	0.007691	0.010385	-0.005581	0.017361	-0.004634	0.010369	0.014631	-0.005295	-0.031782	0.017984	0.013748	-0.023081
195	-0.003837	0.002965	-0.001523	-0.028041	0.030691	0.003803	-0.007605	0.010124	-0.007089	0.009366	0.012426	-0.015256	-0.006483	-0.007088
196	-0.008877	0.003986	-0.020154	-0.028111	0.017692	0.020819	-0.004765	0.001555	-0.002865	0.008272	0.015399	-0.017207	-0.016497	0.000157
197	-0.016744	0.012339	0.035403	-0.027	-0.042616	0.038564	-0.020661	0.002296	-0.014981	-0.009952	0.027254	0.017413	-0.067355	0.02677
198	-0.001547	-0.017188	0.019327	0.007544	0.002414	0.020938	0.027167	0.011706	0.009363	-0.008848	-0.022032	-0.053047	0.030146	-0.032409
199	-0.05764	-0.051485	-0.001043	-0.023612	-0.007558	-0.061806	-0.030701	-0.004311	-0.003604	0.023315	-0.065235	-0.024472	-0.052982	0.012917
200	-0.011864	0.02208	-0.067394	0.008149	-0.020006	0.025198	0.024268	-0.009236	0.009574	-0.020882	0.001629	0.014323	0.035474	-0.01134
201	0.000158	-0.00543	-0.058971	0.028153	-0.03223	0.029407	0.009056	0.033271	0.024372	-0.006604	0.048423	-0.04672	-0.016866	0.006961
202	0.003023	0.028511	-0.000822	0.001347	0.003531	0.036101	0.009111	0.001762	-0.004827	-0.001905	-0.01324	-0.000551	0.004432	-0.002867
203	-0.002428	0.016794	-0.034737	0.015991	-0.004077	0.021759	0.011954	0.014324	-0.032898	0.010706	0.019402	-0.017163	-0.020573	0.005332
204	0.024554	-0.0206	0.034923	-0.003813	0.006019	0.021234	-0.003033	-0.016901	0.003639	-0.009937	0.016429	0.002553	0.004605	-0.019794
205	-0.035563	-0.086817	-0.053504	-0.098942	-0.015697	0.008198	-0.010807	0.016998	-0.000645	0.017247	0.001552	0.013694	0.018457	-0.010034

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
206	0.016328	0.071855	-0.039642	0.027823	0.040115	-0.023858	-0.014691	-0.01733	-0.02239	0.014272	0.003529	-0.006712	0.019704	-0.00739
207	-0.038817	0.033579	-0.047779	0.075084	0.002067	0.023336	-0.003696	-0.021956	0.063918	0.025734	0.034008	-0.005777	-0.020685	0.017861
208	0.017533	-0.010523	-0.00845	0.024996	-0.008215	0.042607	0.027053	0.001178	-0.024887	0.01179	0.075566	0.044252	0.002553	0.002733
209	0.012235	-0.107203	0.118288	0.046594	-0.020661	0.00254	0.01058	-0.010692	0.004306	-0.013115	-0.041562	0.039642	0.006929	-0.010948
210	-0.02606	-0.019896	0.068202	0.018805	0.021137	0.061338	0.025368	0.038433	0.004653	-0.025861	-0.002563	-0.002355	-0.022911	-0.033837
211	-0.024423	0.005924	-0.003173	-0.056144	0.022361	0.005205	-0.013347	0.025343	-0.004645	-0.027943	0.017122	-0.034281	-0.023566	-0.060788
212	-0.011015	0.016658	-0.029011	-0.032571	0.022468	-0.063724	0.018663	-0.011479	0.014331	-0.001039	-0.018312	-0.055863	0.027959	-0.011023
213	0.011373	-0.038192	0.043995	-0.035589	0.039434	0.013934	-0.012499	-0.008845	-0.028515	0.030209	-0.062194	-0.014565	0.020131	0.024916
214	-0.016102	0.011373	-0.006006	-0.013817	0.0004	-0.005863	0.001962	0.006704	0.009148	-0.006482	0.006927	-0.000655	0.017239	-0.024146
215	-0.013131	0.028474	0.023069	0.012972	0.019168	0.01416	-0.014734	-0.008249	0.002003	-0.007911	0.018262	0.000926	0.02798	-0.016765
216	-0.012301	0.027099	-0.019857	0.017016	-0.017321	0.002472	-0.013994	-0.022196	-0.008889	0.01221	0.027062	0.006218	-0.016158	0.013097
217	0.021955	-0.00556	-0.009275	-0.032014	0.029388	0.017388	-0.002926	0.018543	-0.037361	-0.008833	-0.012404	0.034268	0.018898	-0.047448
218	-0.006072	0.017057	-0.010657	0.009203	0.004614	0.020007	-0.018919	-0.006213	-0.021728	-0.007859	0.026139	0.006944	-0.005937	-0.010951
219	0.006635	0.021849	-0.030743	0.008877	0.003652	-0.012981	-0.021566	-0.018083	-0.02486	-0.011988	-0.004435	0.021125	0.005266	-0.020456
220	0.001779	0.015115	0.014256	-0.002512	0.024215	0.032948	0.01792	0.010373	-0.013488	-0.006579	0.055267	0.056924	0.019405	-0.023994
221	0.006255	0.000845	-0.001584	-0.008626	0.02273	0.003099	-0.002483	0.053395	0.008998	-0.011624	-0.007685	0.056901	0.002268	-0.025485
222	-0.019461	-0.004626	-0.014334	0.00509	-0.002636	0.012316	-0.002001	0.01745	0.002309	-0.001713	0.024309	0.023117	-0.001988	-0.017004
223	-0.006929	0.038743	-0.023197	0.022788	-0.003614	0.020421	-0.000957	0.025077	0.026677	0.012142	0.037625	0.04697	-0.011053	0.006671
224	-0.01047	0.000568	0.004549	0.022239	-0.013571	0.010873	0.022189	0.005567	-0.002932	0.011982	0.027737	-0.030235	-0.016646	0.011385
225	-0.017573	-0.00729	0.013516	0.016231	-0.011234	0.008008	0.023327	0.014674	-0.01723	0.009308	0.026159	-0.007612	-0.02016	0.004596
226	0.013358	0.017868	0.030835	0.01007	-0.010429	-0.016824	-0.019893	-0.010864	-0.000421	0.004911	0.031096	0.007651	-0.00341	0.00038
227	-0.004041	0.044229	-0.000822	0.004877	-0.002546	-0.018264	-0.000237	-0.004619	-0.021126	-0.004003	0.002339	-0.041161	0.002018	-0.019718
228	-0.043313	0.037479	-0.011545	-0.000221	-0.030799	0.005134	-0.005171	0.016086	-0.006501	0.005336	0.045195	0.012957	-0.031009	0.001327
229	-0.012323	-0.008173	-0.003375	0.06909	-0.003293	-0.007768	-0.012126	0.017786	-0.028596	0.006929	0.005435	0.053711	0.00836	0.008067
230	-0.055774	-0.000433	-0.026517	0.01833	-0.019487	-0.004765	0.008048	-0.001081	0.015842	0.001374	0.015209	-0.016795	-0.009011	0.007196
231	0.01115	0.004013	0.016684	0.010482	0.004138	-0.038871	-0.002314	0.009285	-0.018459	0.010154	0.013841	0.004086	-0.024258	0.015761
232	-0.007803	-0.007857	0.032597	-0.018829	-0.020071	0.009383	-0.002788	0.012576	0.05	0.012148	0.029568	-0.019875	-0.009248	0.029848
233	-0.006386	-0.015865	-0.013161	-0.019643	0.013578	0.026755	0.004154	0.004649	0.007616	-0.003185	-0.01774	-0.068033	0.020291	0.015055
234	-0.039129	0.022981	0.0147	0.004185	-0.003659	0.005208	-0.003937	0.014546	-0.019933	-0.003035	0.028499	0.03527	-0.004814	-0.008456
235	-0.020087	-0.005472	-0.008275	0.001275	0.007251	-0.018842	0.007451	0.007017	-0.032481	-0.024684	-0.017299	0.010493	0.019252	-0.018296
236	0.011465	-0.020341	-0.002886	0.019987	-0.013496	-0.003484	0.000492	-0.015091	0.038741	0.005061	0.000945	-0.019352	-0.002281	0.022467
237	0.001786	-0.03298	-0.015967	-0.007474	-0.015677	0.007957	-0.001411	-0.012711	-0.014045	0.005391	-0.012499	0.005016	-0.014788	0.012578
238	-0.008042	-0.016931	-0.022322	-0.028432	-0.003055	-0.001897	-0.003945	-0.00459	-0.018927	0.002565	-0.022764	0.002977	-0.0128	0.000214
239	-0.001752	0.010147	-0.013919	-0.014573	0.004955	-0.00836	-0.004888	-0.008424	-0.02079	0.003516	-0.007899	-0.021725	-0.007611	0.000889
240	0.008267	-0.014017	0.002409	-0.037968	0.010696	0.009188	-0.00191	-0.000044	0.004673	0.007107	-0.037693	-0.042189	-0.006466	0.022905
241	-0.001303	-0.020845	0.012205	-0.020647	0.008163	0.034269	-0.00082	-0.016476	0.008663	0.005315	-0.004579	-0.049107	0.009906	0.017414
242	-0.009988	0.002323	-0.046721	0.01433	0.018221	0.006909	0.005547	0.00811	0.012838	0.005637	-0.000392	-0.025092	0.021994	0.006204
243	-0.012851	0.003922	-0.06214	0.008273	0.012081	0.00509	-0.00461	0.030006	0.006359	-0.019157	-0.01421	-0.028454	0.016873	-0.040436
244	0.002618	0.01155	0.010347	0.005996	0.011395	-0.016248	0.008069	0.033512	0.026636	-0.009685	-0.035211	0.013146	0.012414	-0.01126
245	0.021823	-0.012588	0.000431	-0.001296	-0.009236	-0.011698	-0.02455	-0.024506	-0.001634	0.006672	-0.035702	0.025397	0.020362	0.01299
246	-0.008531	-0.004448	-0.024854	0.00987	0.001709	0.007662	0.00478	-0.020488	-0.015342	0.014959	0.015061	-0.002661	0.0091	0.017253

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
247	-0.019323	0.003509	-0.02689	-0.007646	0.004054	0.011596	0.002998	-0.00263	-0.003635	-0.004325	0.00467	-0.013057	-0.002128	-0.004975
248	-0.015178	-0.004074	0.011116	-0.029734	-0.008399	0.006246	-0.001884	-0.013753	0.005233	-0.021372	0.004687	0.011995	0.004596	-0.014755
249	-0.009605	-0.064716	0.009673	-0.043338	-0.012603	0.028611	0.000011	-0.018884	0.036763	-0.001572	-0.023873	-0.041805	0.011658	0.010615
250	0.004491	0.003703	0.010166	-0.008951	-0.004797	0.011415	0.014221	0.014145	0.021948	0.009864	-0.008739	-0.004959	-0.008102	0.027069
251	-0.000209	0.010302	-0.002324	-0.006315	0.003229	0.009171	0.019964	0.019	0.016489	-0.000547	-0.016307	0.019321	-0.001369	0.014118
252	0.006517	0.007983	0.01892	-0.028331	0.01034	0.011069	-0.012178	0.009198	0.008266	0.001271	-0.013128	0.027271	0.016948	-0.006796
253	-0.005967	-0.020957	0.011638	0.01514	-0.018508	0.027404	-0.010931	0.007221	0.033684	0.002783	0.03377	0.033924	0.003081	-0.005394
254	0.004084	0.024248	-0.005402	0.025724	0.009424	-0.005512	0.014575	0.018135	0.027465	0.006176	-0.014059	-0.003027	0.003361	0.00647
255	-0.000596	0.010691	-0.002685	0.005332	0.016998	-0.012691	0.016456	0.031943	0.018262	-0.006713	-0.046282	0.004441	0.0135	-0.004403
256	0.011469	-0.032784	0.036757	-0.038286	-0.005569	0.02557	-0.006067	0.004854	0.005255	0.004069	-0.019219	0.026179	0.012826	0.027701
257	0.009897	-0.005062	0.011186	-0.04689	0.008754	0.018105	-0.004959	0.009148	0.002176	0.006926	0.010854	0.017991	-0.000109	-0.000697
258	-0.004013	0.019257	-0.013015	-0.014657	0.004013	0.021874	0.00098	-0.003327	-0.000831	-0.011257	0.009883	-0.003117	-0.019061	-0.004425
259	-0.011746	-0.008251	-0.029616	0.003026	-0.013443	0.013192	0.022032	0.008354	0.022084	-0.003432	0.001199	-0.004941	0.001896	0.004101
260	-0.018662	0.005758	0.014042	-0.002988	0.000096	0.005924	0.024431	0.015535	0.015026	0.007906	0.019499	0.025045	0.012444	-0.020679
261	-0.016616	0.02107	-0.011866	-0.010408	0.017147	0.005543	0.005204	0.00526	-0.023947	0.013387	0.0137	0.025024	-0.014601	-0.000715
262	-0.011993	0.009565	-0.021384	0.000517	0.003784	0.005033	-0.005075	-0.003696	-0.00263	0.010483	0.007815	-0.000467	-0.003894	0.004484
263	-0.003038	0.016341	-0.023556	-0.008022	-0.00363	0.001001	-0.003724	-0.001774	0.006091	-0.009979	-0.000833	0.009801	0.005822	-0.004543
264	-0.012553	-0.018473	-0.001678	0.017116	-0.013811	-0.005737	0.010764	-0.011184	0.000337	-0.007318	0.006986	-0.040923	0.00369	-0.008764
265	-0.006688	0.005569	0.006119	0.003851	-0.000285	-0.023374	0.003165	-0.002163	0.006329	0.011498	0.007677	-0.052316	-0.012068	-0.004706
266	0.002415	0.020027	0.007947	-0.006715	0.012758	-0.019359	-0.004975	0.014307	0.001259	0.017172	0.008717	0.00533	-0.01627	-0.008493
267	0.006787	0.003746	0.017773	0.043222	-0.016139	-0.010882	-0.005277	0.002392	-0.008888	0.020205	0.026218	0.015822	0.002994	0.024592
268	0.013425	0.007728	0.033806	0.012487	-0.007717	-0.023136	-0.017502	-0.004828	-0.000689	0.002508	0.02243	-0.011506	-0.00677	-0.003148
269	0.014327	0.002477	0.044348	0.012006	-0.000009	-0.016967	-0.010624	0.003048	0.01307	0.004798	0.017242	0.004278	0.005412	-0.010438
270	0.001277	0.033186	0.034404	0.003177	-0.005393	-0.014061	-0.003409	-0.012679	0.007179	-0.004576	0.016167	-0.023424	0.003155	-0.015827
271	0.020723	-0.006201	-0.004472	0.040038	-0.048176	-0.030607	-0.05183	-0.029194	0.002131	-0.000698	-0.012415	0.026277	0.004552	0.000971
272	-0.002873	-0.009914	-0.017158	0.056139	-0.011353	-0.018357	-0.015581	0.000079	-0.031882	-0.001285	0.002255	0.030198	-0.00339	0.016887
273	-0.021128	-0.015369	-0.009764	0.006369	-0.000235	-0.011155	0.00783	0.002608	0.019094	-0.021424	0.005568	-0.015891	0.001071	-0.010997
274	-0.019174	-0.018025	-0.011084	0.006074	0.005551	-0.012803	0.012797	0.003556	0.020264	-0.017941	0.003318	-0.018402	0.007521	-0.011727
275	-0.053165	0.034557	-0.055231	0.014438	-0.01132	-0.014903	0.031234	-0.02027	0.027887	-0.027051	-0.005259	-0.062611	0.019282	-0.023593
276	0.011936	-0.022292	-0.006722	0.037837	-0.009649	-0.003185	-0.008073	-0.010161	0.013318	0.00857	0.007057	-0.010501	-0.011395	0.02979
277	-0.007575	-0.013943	0.001412	0.006852	0.004868	-0.010378	0.009412	-0.00961	-0.004973	0.00689	-0.000491	-0.042361	-0.009608	0.009532
278	-0.009879	0.000705	0.014585	0.024608	-0.010959	-0.001758	0.026314	-0.012263	0.009126	0.003741	0.001141	-0.027896	-0.005998	0.018944
279	0.000265	0.016544	0.00574	-0.010785	0.002039	-0.017856	-0.001517	-0.011555	-0.012244	-0.001518	-0.015456	-0.017498	-0.003212	-0.003874
280	-0.010693	-0.026333	-0.03709	0.025823	-0.003996	0.014063	-0.002263	0.02788	0.019456	-0.014735	0.016205	-0.049671	-0.000172	-0.011498
281	-0.004936	0.012372	0.002546	0.038368	-0.016137	0.019716	0.006126	-0.027012	-0.009079	0.00568	0.042933	-0.008422	-0.012494	0.026274
282	-0.007152	0.030105	0.00682	0.035981	-0.024358	0.035933	0.019991	-0.007457	0.016763	-0.002595	0.035855	-0.006584	-0.007104	0.022178
283	-0.013582	0.029582	-0.006069	-0.001652	-0.0141	0.006946	0.002408	-0.015927	0.008928	-0.019293	0.013561	-0.007192	0.004643	-0.010417
284	0.007999	0.001105	0.016637	-0.030553	-0.001702	0.008605	-0.00188	-0.000652	0.000768	-0.000753	0.014542	0.007331	-0.004013	0.007691
285	0.004867	0.010073	0.019149	-0.033508	-0.005958	0.018172	0.002251	0.007394	0.018909	0.001651	0.015864	0.011166	0.00266	0.000133
286	0.01545	0.035181	-0.003465	-0.009121	0.015553	0.026017	0.005353	0.00419	-0.010667	-0.00459	0.002622	-0.000618	-0.010994	0.009154
287	0.00576	0.045735	-0.002128	-0.010249	0.000886	0.027441	0.001211	0.00373	0.004714	-0.017258	-0.010467	-0.007038	-0.007157	-0.006059

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
288	-0.014349	0.041992	0.005	0.00138	-0.009781	0.015662	0.009029	-0.015342	0.011126	-0.018551	0.017325	0.010655	-0.01833	-0.00641
289	-0.012982	0.019218	0.00017	0.006238	0.003037	0.000776	0.014366	-0.0051	0.013683	-0.006468	0.007955	-0.020033	0.003508	-0.007121
290	-0.011596	0.00526	-0.016771	0.023073	-0.001963	0.016592	0.017788	-0.012346	0.011087	-0.007632	0.003577	0.032829	0.00033	-0.013883
291	-0.010292	0.003982	-0.019464	0.016134	-0.000565	0.017182	0.01529	-0.00988	0.010293	-0.006842	0.003266	0.028689	-0.000438	-0.015809
292	-0.00768	0.008982	-0.021382	0.013527	0.009021	0.016008	0.007206	-0.002202	0.001212	-0.001847	-0.002328	0.032352	-0.001032	-0.01847
293	0.040036	-0.012349	-0.002771	0.021926	-0.00239	-0.003202	-0.000251	-0.002178	0.007978	-0.014072	-0.036172	-0.019421	-0.00954	0.011939
294	-0.001078	0.002655	-0.005546	0.012878	-0.011419	-0.008976	0.010156	0.002753	0.002126	-0.016186	-0.015286	-0.01259	0.002739	-0.015009
295	0.003386	-0.040479	-0.032267	-0.015947	-0.000049	-0.004878	0.01422	0.010578	0.010398	-0.011393	-0.018223	-0.023661	-0.000899	0.002456
296	-0.050668	-0.011163	-0.017765	-0.015028	0.016889	-0.000038	0.033285	0.028842	0.023079	-0.010358	-0.01185	-0.01956	0.012317	-0.017647
297	0.005363	-0.041214	-0.009718	0.007112	0.003085	0.012743	0.015226	0.008349	0.003771	0.000819	0.006147	-0.005759	-0.010692	0.008378
298	-0.003734	0.008839	0.008556	0.022779	-0.006308	0.025081	0.017658	0.036962	0.040372	0.003518	0.017921	0.083116	0.00251	-0.005011
299	0.030304	-0.013822	0.011175	0.045866	-0.027269	0.007869	-0.00855	0.007607	0.001653	0.011878	0.038637	0.002464	-0.044536	0.00963
300	-0.029531	0.011784	-0.039684	0.021848	0.005769	0.038652	0.014955	0.008206	-0.026316	0.008835	0.033197	0.035513	-0.032075	0.021671
301	0.013154	-0.020308	0.015535	0.018992	-0.029631	0.003495	0.002206	0.006787	0.009895	0.005408	0.012908	0.021574	-0.012241	-0.001044
302	-0.002267	0.000596	-0.02631	0.022997	-0.01169	0.004554	0.009005	-0.007688	-0.011904	0.009035	0.020949	-0.005072	0.001806	-0.015125
303	0.015031	0.024285	-0.000743	0.059568	-0.012064	0.025401	-0.008278	0.033956	-0.022903	0.019198	0.033704	0.026462	-0.036458	-0.010128
304	0.007803	0.027886	-0.009611	0.049152	-0.036455	0.026124	-0.001677	0.007734	-0.017734	0.005444	0.040693	0.029179	-0.043598	0.00156
305	0.021739	0.058258	-0.030556	0.054104	-0.002816	0.003507	0.000054	0.002595	-0.02115	0.000317	0.004771	0.024591	-0.00847	0.015791
306	-0.007864	-0.03125	-0.041337	0.017394	0.000332	0.021898	0.003913	-0.021464	-0.028124	-0.014748	-0.039577	0.001323	-0.012814	0.015768
307	0.015493	0.020555	-0.072597	-0.02645	-0.025471	0.034255	0.001028	-0.033207	0.009733	0.001527	0.018425	0.033498	-0.014266	0.031021
308	0.003039	0.057938	0.007876	-0.059994	0.023419	0.010044	0.001533	0.022542	0.014052	-0.022313	-0.05883	0.024384	0.004351	0.019493
309	0.000852	0.003013	-0.025581	-0.001081	-0.015944	-0.012519	0.003921	-0.010864	0.015365	-0.003184	-0.023033	-0.021017	0.004063	-0.004521
310	-0.000364	-0.007493	-0.029055	0.022258	-0.013865	-0.014625	0.028619	0.005152	0.034808	-0.009392	-0.025354	-0.055701	0.035438	-0.020335
311	0.00443	-0.008408	-0.020681	0.018919	0.003396	-0.011094	0.004292	-0.015114	0.005269	-0.011633	-0.012327	-0.002775	0.008386	-0.011941
312	-0.018518	0.032656	-0.078331	0.03079	0.004983	-0.012975	-0.014653	-0.018418	0.000219	-0.023581	-0.067258	0.003281	0.024223	0.008295
313	-0.005276	0.006001	0.017038	-0.012648	0.022306	0.018895	0.02052	-0.004187	-0.031617	-0.015843	0.015113	0.000166	0.01341	-0.006256
314	0.003755	0.024395	0.012424	-0.052015	-0.026135	0.065521	0.030882	0.016484	0.000808	-0.036337	0.00875	-0.014038	0.019001	-0.017385
315	0.012299	0.009644	-0.00712	0.001498	0.004806	0.000803	-0.006186	0.006313	-0.003673	0.011575	0.010079	-0.011217	-0.015458	0.006274
316	-0.02853	-0.057805	0.028827	-0.04131	0.005687	0.015514	0.041255	0.051879	0.016292	-0.012456	-0.034305	-0.042296	0.026888	-0.071331
317	0.002799	-0.009647	0.005178	-0.029728	-0.014156	-0.012604	0.00718	0.006591	0.021261	0.005681	-0.016223	-0.006463	0.010821	-0.000268
318	0.039089	-0.050453	-0.007227	-0.027071	-0.038894	-0.006779	0.039483	0.014741	0.052412	0.009449	-0.010217	0.055117	0.024269	0.013905
319	0.008766	-0.019361	0.006875	-0.004283	-0.0068	0.001483	-0.005339	0.01387	0.01654	0.010746	0.015607	0.008305	-0.012708	-0.007367
320	-0.004795	-0.034371	-0.002329	-0.03138	0.011753	-0.000073	0.024535	-0.000806	-0.000434	-0.021804	-0.015208	0.010561	0.006464	-0.011207
321	-0.006219	-0.001932	0.008889	-0.009109	-0.013874	0.022666	0.028892	0.002351	-0.023867	0.00285	0.067788	0.006497	-0.027995	0.012047
322	0.026797	0.005601	0.055541	-0.0024	-0.047154	-0.051516	0.037173	0.003218	-0.018173	-0.015098	-0.09843	0.020834	0.007452	0.027725
323	0.020233	-0.012627	-0.00089	0.006248	0.002296	-0.030691	0.012679	0.006199	-0.005447	0.010656	0.021539	0.021472	-0.005114	0.027358
324	-0.022021	0.034162	-0.002999	-0.009164	-0.042793	-0.002114	-0.021156	-0.0479	0.014124	-0.032608	0.009548	-0.035799	-0.003589	-0.063392
325	-0.027175	-0.0002	0.006722	0.013676	0.00614	-0.010547	0.001533	-0.001106	-0.002951	0.003109	-0.011862	-0.017418	0.005663	-0.023053
326	0.006303	0.015063	-0.033478	-0.004425	0.013323	-0.023732	-0.018099	-0.058025	-0.008784	-0.010553	-0.053354	-0.058662	0.026302	-0.0077
327	-0.008078	0.005906	-0.052572	0.010408	0.000965	-0.027215	-0.004538	-0.00191	-0.016664	0.006114	0.009789	-0.001772	-0.005543	-0.003022
328	-0.02555	0.027323	0.023417	-0.030097	0.036509	0.01765	0.009713	0.013191	-0.000165	-0.022096	-0.045436	0.065473	0.000015	0.0226

	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU
329	0.010083	0.001654	-0.033291	0.012336	0.020465	-0.03159	-0.001701	0.004499	-0.025992	0.01746	0.023114	0.000937	-0.000471	0.004398
330	-0.004616	0.003002	0.001385	0.061235	-0.036076	-0.004664	0.004142	-0.010054	-0.03419	-0.011401	-0.000221	-0.009015	0.008098	-0.017228
331	0.012216	0.016157	-0.025544	0.01425	0.000225	-0.025252	-0.020936	-0.01933	-0.019403	-0.00462	-0.019785	-0.016405	-0.010411	0.002873
332	0.006185	-0.055745	0.015763	0.023469	-0.009632	-0.007672	0.002433	-0.053897	-0.011724	-0.014106	-0.024348	0.028746	0.01288	-0.024713
333	-0.003274	-0.021041	0.015011	-0.011013	-0.013645	-0.012155	-0.0035	-0.017398	0.008554	0.00776	-0.013208	-0.004592	-0.000323	0.004047
334	-0.018981	0.014181	-0.026324	0.021408	0.022366	-0.003521	-0.032199	0.003174	-0.045723	0.012638	-0.060103	0.056669	0.021074	-0.001751
335	0.003346	-0.01572	-0.002312	0.019454	-0.01272	-0.02081	-0.006768	-0.031586	0.010116	-0.011571	-0.011649	-0.003783	0.008524	-0.016199
336	-0.033476	0.008153	-0.014382	-0.030715	-0.074923	0.026577	-0.010928	-0.014208	0.004602	0.003462	-0.012276	-0.037254	-0.042904	0.039332
337	0.01435	-0.04748	0.039678	0.03417	-0.035119	-0.000591	-0.009307	0.009298	0.013793	-0.000074	-0.035693	0.042438	-0.009613	-0.013871
338	-0.013181	-0.011002	0.009702	0.003449	0.023791	-0.009196	-0.043792	0.029428	0.031783	-0.001225	-0.016543	0.012705	0.012476	-0.034279
339	0.026911	0.001185	-0.018409	0.028525	0.003493	-0.006453	-0.004851	-0.041283	-0.036353	0.018339	-0.011132	0.045139	-0.002336	0.046564
340	0.017646	-0.065355	-0.026745	-0.034512	0.015589	0.003151	-0.017319	0.024945	0.017565	0.012328	0.000986	-0.012643	-0.008497	-0.005495

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
1	-0.020065	0.040003	0.073806	0.063836	0.015491	0.049019	0.057844	0.025207	0.018176	0.085182	0.035506	0.04207	0.060312	0.015229
2	0.128999	-0.047034	0.019795	-0.029936	-0.03939	0.003283	0.041508	-0.083846	-0.06457	0.021746	0.040832	-0.030786	-0.073256	-0.047711
3	-0.054511	-0.041559	-0.080807	-0.001687	0.015508	0.06687	0.009748	0.084197	0.029341	0.005342	-0.04699	-0.056634	-0.029682	-0.01207
4	0.077119	0.054656	0.03432	-0.013034	0.048295	-0.041897	0.016728	0.130351	0.035311	-0.061985	-0.081047	0.003014	0.01516	0.116831
5	-0.066059	-0.044792	0.046125	0.008005	0.008295	-0.012069	-0.01368	-0.024758	-0.097866	0.006458	-0.033119	0.048379	-0.017575	-0.024669
6	-0.127303	-0.064132	-0.054219	-0.022598	-0.006737	0.139813	0.012484	0.195703	-0.06128	-0.031545	0.020391	-0.041652	-0.06363	-0.105549
7	-0.054793	-0.005484	0.0299	-0.045227	-0.098255	0.002622	-0.02864	-0.081503	0.047745	0.035292	0.01774	-0.016529	-0.02246	-0.114078
8	0.012164	0.01663	-0.074884	-0.003438	-0.033002	-0.019712	-0.044354	-0.05105	0.112975	-0.05643	0.000129	-0.01676	0.026369	-0.040054
9	0.020813	0.032943	0.004708	-0.011129	0.08823	0.06821	0.040882	-0.017489	-0.133881	-0.056642	0.008479	-0.029627	0.046239	-0.031462
10	0.048733	0.050684	0.041537	0.025089	0.037208	0.037957	0.019101	0.005725	0.038664	0.112472	0.011742	0.048816	-0.002984	0.103182
11	-0.022006	0.002403	-0.002776	0.066941	0.046383	-0.054325	0.029822	0.022685	-0.003747	-0.073098	-0.04297	-0.05442	-0.018288	0.03902
12	-0.059079	0.016139	-0.084946	-0.021555	0.015746	0.080715	0.020694	0.001409	0.034389	-0.074134	-0.071865	0.005941	0.007403	0.063064
13	0.028583	0.00428	-0.066153	-0.025115	-0.079317	0.049284	-0.048785	0.019934	-0.12149	-0.106708	0.081784	-0.087931	-0.001387	-0.100806
14	-0.163739	0.059502	0.006906	0.034943	0.098146	0.029582	0.007027	0.08417	0.13023	0.082312	0.147557	0.038845	0.043667	-0.039666
15	-0.131382	0.018249	0.068488	0.063215	-0.012074	0.011431	-0.000089	-0.040472	-0.222082	0.022705	-0.064338	-0.021663	0.044431	0.012379
16	-0.069649	-0.05394	-0.002787	-0.030392	0.054809	0.028553	0.001802	-0.001329	0.108882	0.028108	-0.059577	-0.014316	-0.118179	-0.003133
17	0.106071	-0.031068	-0.077721	0.010883	-0.082857	0.038018	0.00647	-0.033537	0.043098	-0.009377	-0.115526	-0.031572	-0.005035	0.047221
18	-0.088547	0.033245	-0.010388	0.029336	-0.000166	-0.011497	0.008978	-0.044703	0.118866	0.072587	0.055732	0.030276	0.06508	-0.049491
19	-0.002337	0.027233	0.039118	0.003342	0.017176	-0.063086	0.014822	0.025083	0.072505	0.133083	0.038788	0.043448	0.014734	-0.11945
20	-0.041068	0.011328	0.011739	-0.025939	-0.037505	-0.012218	-0.080692	0.055118	0.035789	0.070944	0.051778	-0.08868	-0.018888	-0.041971
21	-0.080418	0.037316	0.088401	-0.006988	0.007604	-0.031621	0.005549	-0.055956	-0.053234	-0.051194	0.013526	-0.025082	0.011467	-0.043632
22	0.048236	0.006283	0.004978	-0.055164	-0.025882	-0.088789	0.036492	-0.099888	0.053613	0.093388	-0.048992	-0.022593	0.027726	-0.009422
23	0.160947	0.045773	-0.000351	-0.008214	-0.042723	-0.043167	0.003178	-0.024551	0.082116	0.033207	0.047526	0.002356	-0.029475	-0.015644
24	-0.055132	0.027579	-0.024712	-0.029515	0.01355	0.050512	-0.007785	0.036669	-0.043797	0.134429	0.007322	-0.113751	0.025428	0.014613
25	-0.003083	-0.046822	-0.042651	0.019687	-0.039465	-0.005343	0.012743	0.024436	0.009113	-0.072843	0.054871	0.071658	0.01551	0.015432
26	-0.04676	-0.009402	-0.05304	-0.038746	0.064058	-0.077124	-0.001989	0.045678	0.00409	-0.164974	0.100367	-0.018103	0.006287	-0.057585
27	0.060679	0.061359	0.092451	0.085948	0.037012	0.065475	-0.048682	0.058196	0.066344	-0.001001	-0.062432	0.010946	0.026055	0.094249
28	0.003926	-0.029792	0.003225	0.084946	0.128951	-0.02101	-0.045632	-0.002471	-0.047681	-0.082803	-0.043574	0.030142	-0.09666	-0.03162
29	-0.066735	0.019392	0.015949	0.01215	0.025572	0.006704	0.00277	0.067803	-0.026332	-0.003192	0.040872	-0.015851	0.025831	-0.036719
30	-0.005202	0.011767	0.010828	0.088285	0.02689	-0.001009	0.033153	-0.083296	0.024614	0.000742	-0.043498	-0.008343	0.048043	0.000487
31	-0.10936	0.016697	0.026842	-0.003586	0.065977	0.044192	0.011032	-0.104254	-0.061446	-0.103949	0.016878	0.051882	-0.051725	-0.082714
32	-0.034713	0.063814	0.053099	-0.018555	0.062323	0.097473	-0.033433	0.0848	0.006498	0.022021	-0.010343	0.057649	0.00319	-0.004242
33	0.003877	0.047294	-0.011351	-0.043587	-0.055459	0.025351	-0.060154	-0.182804	0.021422	0.024274	-0.067827	-0.025208	0.052997	0.063568
34	0.023878	0.017294	-0.11272	-0.0111	-0.070485	-0.008614	0.023267	-0.001357	0.005047	0.080979	0.012831	0.101713	0.053179	0.085385
35	-0.01436	0.040548	-0.021283	-0.019418	0.076314	-0.039328	-0.045999	-0.002361	-0.001514	-0.16955	-0.012213	-0.105102	-0.012182	-0.011055
36	-0.008985	0.0453	0.100752	0.073678	0.033922	0.043766	-0.003736	-0.087166	-0.065734	-0.021008	0.077066	0.058117	0.032106	-0.019353
37	0.07202	-0.017208	-0.014717	-0.044634	-0.016177	-0.0478	0.056792	-0.001585	0.07177	-0.079975	-0.044429	-0.048273	-0.058836	0.015164
38	-0.05779	-0.009244	-0.020611	-0.004809	0.001289	0.059942	-0.032918	-0.012301	0.019524	0.170489	-0.036581	-0.014932	0.002653	-0.069128
39	0.03797	-0.178437	-0.06548	-0.03591	-0.033795	0.04622	-0.01705	0.130119	0.054084	-0.025328	0.098116	0.016974	-0.073842	0.108151
40	0.007489	0.010058	0.012946	-0.009084	0.028774	-0.000822	-0.021165	0.016742	0.01945	0.011903	0.031077	0.002906	-0.005263	-0.005238
41	0.072398	0.001069	0.148502	-0.027062	0.105234	-0.044417	0.010029	0.157704	-0.10753	-0.094677	0.18769	-0.10889	-0.057264	0.015485

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
42	0.005948	-0.025975	-0.063752	0.012054	0.023633	-0.018426	0.0039	-0.009295	-0.013291	-0.25887	-0.063732	-0.075082	-0.017264	-0.161953
43	0.021218	-0.011619	-0.048017	0.03091	-0.066082	-0.078457	-0.168554	-0.003893	0.022576	0.012898	-0.034595	-0.035067	-0.104922	0.049302
44	0.112299	0.038933	0.099868	0.126478	0.01088	0.112569	0.011356	0.017014	-0.022865	0.004097	-0.001625	0.036086	0.02379	0.024874
45	-0.010626	-0.063066	0.063746	0.009006	-0.091899	-0.045528	-0.007519	-0.084001	0.088927	-0.075079	-0.062275	0.040406	0.015801	0.02341
46	-0.039201	0.035852	-0.01617	-0.098218	0.067992	-0.013243	-0.035652	-0.157166	-0.003895	0.026214	0.019823	0.079257	0.012433	0.065294
47	0.071291	-0.042952	-0.005383	-0.043866	-0.069247	-0.016845	0.007156	-0.005643	0.029355	0.093396	0.05173	-0.112518	-0.039687	-0.120044
48	0.041699	-0.027314	-0.06575	-0.066218	0.033265	-0.094665	-0.004536	0.013436	-0.119694	-0.042702	-0.137832	0.088404	-0.014961	-0.015558
49	-0.009735	0.037516	-0.021472	-0.032385	-0.017032	-0.074256	-0.009848	0.049071	-0.004632	0.028064	0.009422	-0.028492	0.035174	-0.028348
50	0.010589	-0.034808	-0.046765	0.087248	0.088498	-0.031684	-0.00894	-0.091665	0.122357	-0.200072	-0.051307	-0.09896	0.006679	0.015932
51	-0.104938	0.00878	-0.034551	0.070299	0.004008	-0.025608	0.020582	-0.073765	0.028959	-0.028873	-0.036617	-0.05912	-0.024828	0.016883
52	0.113258	-0.024164	-0.007043	-0.063011	-0.131729	0.009504	-0.067229	0.077391	-0.054503	0.165268	0.014588	0.066551	-0.049875	-0.116408
53	0.131	-0.044186	0.047405	0.074534	0.0382	0.137998	-0.054756	0.151188	0.005357	-0.037495	-0.019261	0.006545	-0.037046	-0.005367
54	-0.01247	0.00615	0.021447	0.025361	-0.041623	0.036274	-0.017497	-0.103993	-0.079753	-0.024178	-0.121612	-0.012144	-0.063229	0.096674
55	-0.09208	-0.003668	-0.003289	-0.070459	0.002358	-0.036848	0.003474	-0.057434	0.009466	-0.051571	-0.048216	0.020301	-0.019052	-0.071879
56	-0.036727	0.013768	-0.006866	-0.003811	-0.033591	-0.081199	-0.018463	0.097852	0.10769	-0.148915	0.026197	0.050664	0.002071	0.00897
57	-0.123463	-0.077822	-0.04341	-0.047431	-0.02538	-0.092516	0.060978	-0.015598	-0.022345	-0.094815	-0.018677	-0.069288	-0.072237	-0.051475
58	-0.133961	0.031003	0.039027	0.13391	0.080692	0.020538	0.009519	0.100002	0.030148	0.090016	-0.11278	-0.046218	0.056325	0.012767
59	0.011391	-0.110516	-0.128258	-0.055684	-0.083584	-0.031073	0.00301	-0.081923	-0.05505	0.012498	-0.094403	-0.006775	-0.010849	0.040935
60	-0.002313	0.009369	-0.002778	-0.004303	-0.010786	0.0146	0.02156	-0.030657	-0.015522	0.002585	-0.026897	0.042997	0.023449	-0.011774
61	-0.017635	0.028803	-0.029521	-0.020467	-0.010162	0.015936	-0.001748	-0.031568	0.007148	0.042811	-0.027142	0.012412	0.021484	-0.00734
62	0.035401	0.043107	-0.005052	-0.004246	-0.015443	0.014819	0.000408	0.004087	0.010992	-0.008211	0.015594	-0.007877	0.016347	-0.009833
63	-0.00224	0.026836	-0.007282	-0.016066	0.00795	-0.006213	0.000727	0.0084	0.005771	-0.007211	0.020683	-0.00997	0.007745	-0.009681
64	0.037079	0.00829	-0.001825	-0.009507	-0.045314	-0.006742	-0.004552	-0.020698	-0.00257	0.007114	0.030731	-0.002664	0.008263	0.022178
65	0.003796	-0.012083	-0.031818	-0.018889	-0.021882	-0.004513	0.015942	-0.017781	-0.008744	-0.014254	-0.00056	0.021866	0.006353	0.003794
66	-0.026322	0.026514	0.004662	0.005786	0.001432	0.037647	0.004921	-0.019599	0.044354	0.028761	-0.000359	0.009451	0.01901	0.027272
67	-0.029042	0.007841	0.003209	-0.001786	0.008538	0.018772	0.018124	-0.009539	-0.015918	0.057186	0.017718	-0.014077	0.007218	-0.056577
68	0.047809	-0.015357	-0.022608	0.023824	0.020356	-0.028113	0.075463	-0.002311	-0.000592	0.000342	-0.050823	-0.03947	0.023086	-0.008011
69	0.02771	-0.02221	0.009027	0.02305	-0.044768	0.011482	0.004138	0.014279	0.028179	0.000759	-0.041767	-0.020656	-0.002396	-0.012802
70	0.00428	0.008788	0.02352	-0.011284	-0.02212	-0.007093	0.024736	-0.005991	0.002652	-0.007461	-0.004112	0.0222	0.017339	0.005265
71	0.009424	-0.016757	-0.012543	0.009074	-0.010301	0.002564	0.013369	0.003478	0.031559	-0.006634	-0.033897	-0.004285	-0.003625	0.027349
72	-0.033525	-0.026326	-0.022388	-0.010412	-0.019002	-0.008089	-0.001777	0.041422	0.005489	0.000258	-0.007885	-0.010479	0.002464	0.004702
73	-0.03474	0.008787	0.022142	-0.040051	0.021807	0.016606	0.022093	0.070788	0.031016	0.084185	0.008655	0.026339	0.021738	0.012191
74	0.02641	0.033171	0.032873	0.021286	0.025256	-0.038238	-0.006206	-0.037059	-0.027649	-0.026636	-0.037998	-0.005648	0.006678	0.06091
75	0.018945	0.006459	0.018449	-0.015949	-0.003862	-0.00821	0.010754	-0.018965	-0.004901	0.000456	-0.010561	0.022196	0.0074	0.014115
76	-0.00409	0.014402	0.03135	-0.020734	-0.004326	-0.016281	-0.014946	-0.036512	0.009079	-0.026191	-0.034697	0.006284	-0.013448	0.012183
77	0.013687	0.001229	0.019873	0.0008	-0.005152	-0.007448	0.009779	-0.012169	0.002779	-0.019394	-0.02271	0.019193	0.007895	0.018519
78	0.024864	-0.001945	0.017767	-0.01374	-0.006419	-0.010246	0.018138	-0.025349	-0.024185	0.006062	-0.031307	0.038141	0.008225	0.026107
79	0.032431	0.002438	0.030917	-0.011695	-0.013008	0.00898	0.001001	-0.029182	0.013544	-0.000505	-0.009997	0.006137	0.00234	0.018673
80	-0.051384	0.014401	-0.014675	0.002108	-0.057562	0.010832	0.014712	-0.044055	-0.029003	0.010792	0.013499	-0.005783	0.014374	-0.015571
81	-0.021705	0.043235	0.016798	0.015492	-0.00233	-0.054851	-0.027077	0.021415	0.03687	-0.012817	-0.001562	0.017099	0.010824	-0.029071
82	-0.013165	-0.008563	0.014611	0.006637	-0.011704	-0.011064	0.000919	0.003349	0.016733	0.01579	0.015107	-0.009748	0.000284	-0.009139

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
83	0.012463	-0.01546	0.007897	0.006057	-0.007807	0.004505	0.011424	-0.006561	-0.013499	0.025585	-0.00605	0.000683	-0.013911	0.012408
84	0.003443	-0.01292	-0.005701	0.000221	-0.014441	0.003127	0.001453	-0.022769	0.005877	-0.003096	-0.013395	0.001667	-0.007177	0.007645
85	-0.039697	0.010776	-0.036864	-0.031633	-0.001939	0.009238	-0.001667	0.032493	0.083606	-0.019653	0.003353	0.004782	0.011505	-0.006524
86	-0.011477	-0.024913	-0.025689	-0.019404	-0.032361	0.009968	-0.006187	0.04339	0.066011	0.045308	-0.000504	0.018965	-0.016587	0.021419
87	0.012833	-0.004138	-0.000798	-0.027963	-0.052092	0.007349	0.029112	0.002461	0.024018	0.066158	0.004324	-0.005206	-0.017474	-0.034545
88	-0.017088	-0.019363	0.004294	0.011154	-0.007695	0.009409	0.015458	-0.004975	-0.002911	0.032362	-0.002035	0.001275	-0.00901	-0.016717
89	0.02627	-0.020461	0.000222	0.009864	-0.010077	0.002962	0.02181	-0.022525	-0.026451	0.019861	-0.030002	0.001593	-0.00813	0.013212
90	0.046117	-0.004519	0.007126	0.004344	-0.027689	0.009373	0.018137	-0.011838	-0.02193	0.033342	-0.032963	0.000499	-0.001663	0.011869
91	0.019444	-0.021141	0.004112	-0.004736	-0.029803	-0.010816	-0.001503	-0.019167	-0.012209	0.00712	0.022761	0.011169	0.005263	0.01624
92	-0.015183	-0.036161	-0.015893	-0.034647	-0.009272	-0.02625	-0.02081	0.038987	-0.053526	-0.005065	0.013759	0.03472	-0.008701	-0.014856
93	-0.010991	0.011841	0.019708	0.001052	-0.003703	0.009147	0.021123	0.024202	-0.028579	0.023989	-0.010544	-0.005786	0.010168	0.001766
94	0.000278	-0.012095	0.021843	-0.00171	0.022063	-0.002585	0.022738	-0.024131	0.00554	-0.02423	0.015265	-0.018885	-0.007369	-0.009702
95	-0.00815	0.029475	0.016806	0.032315	0.032527	-0.033367	0.006833	0.015541	0.072856	-0.014359	0.012263	-0.026115	0.006452	0.02484
96	-0.009923	-0.000584	0.003528	0.009916	0.016041	-0.013282	0.020392	0.01896	0.002684	-0.018909	-0.015376	0.019742	0.009889	-0.009484
97	0.018088	0.031349	0.021414	-0.01047	0.009908	-0.009389	-0.005698	0.013919	-0.005937	0.000513	0.006474	0.001052	-0.007448	0.001553
98	0.00163	0.018901	0.028371	0.005138	0.013009	0.009012	-0.009726	0.000254	-0.008059	-0.001557	0.044881	-0.009116	-0.000712	-0.013024
99	-0.011769	0.003393	0.009561	0.018943	0.012471	-0.002856	-0.001676	0.001351	0.016148	-0.000542	0.004608	0.016873	0.007149	-0.007621
100	-0.010635	0.015563	0.00197	0.001609	0.016457	-0.021272	-0.020054	0.005285	-0.021459	-0.002653	0.01735	-0.003342	-0.006096	-0.024963
101	-0.018736	0.035631	0.030963	0.006571	0.027981	0.001741	0.006731	-0.013241	-0.005214	-0.011124	0.020728	-0.016126	0.01041	0.000746
102	-0.000641	0.030439	-0.003172	-0.019539	-0.006439	-0.033108	0.010187	0.025789	0.022959	-0.000519	0.014961	0.010513	-0.00079	-0.02102
103	0.013254	0.011473	-0.010024	0.019818	0.018188	-0.007036	0.009154	0.058848	-0.005734	0.000137	0.020886	-0.010948	-0.016625	-0.013821
104	-0.031667	0.039686	0.005407	0.006595	-0.015353	-0.023181	-0.029236	-0.029299	-0.010544	0.029821	-0.031946	0.019539	-0.010335	-0.011899
105	0.01745	-0.00773	-0.020202	-0.029554	0.00471	0.019379	0.06235	0.010756	-0.086966	-0.000305	-0.010294	0.037767	0.013562	-0.059731
106	-0.009255	0.004027	0.03917	0.020923	0.005248	0.018255	-0.021221	-0.020786	0.01947	-0.025898	0.03661	0.000284	-0.003003	0.008801
107	-0.048058	0.007889	0.013946	0.031027	0.02105	-0.003597	0.001317	0.006828	0.06602	0.016025	-0.015548	0.024319	0.018054	0.012989
108	-0.021135	0.014595	0.001837	0.009575	0.003063	-0.013553	0.034637	-0.081885	0.013836	0.038219	-0.009507	-0.030786	0.029591	0.002739
109	0.022624	0.016358	-0.004849	-0.017121	-0.011441	-0.016365	0.01447	-0.023152	-0.044292	-0.033286	-0.024095	0.010334	0.034892	-0.016233
110	-0.042452	-0.023539	-0.041356	0.007598	0.01512	0.025615	-0.026217	-0.045661	0.007135	-0.094377	-0.000651	0.024361	0.025243	0.021432
111	0.034563	-0.014104	0.018685	-0.04772	-0.052848	-0.011803	0.000918	-0.061375	0.038533	0.070234	0.023116	0.019756	0.009345	0.057834
112	0.012363	-0.026159	0.011547	0.02317	0.013797	0.035607	0.002087	0.015169	-0.027182	-0.014634	-0.035043	-0.041187	-0.028993	0.005623
113	0.034956	0.011276	0.035903	-0.01138	0.009786	-0.023495	0.005421	0.017526	0.02464	-0.060609	0.038591	-0.013021	0.010563	-0.022399
114	-0.015152	0.038425	0.028988	0.07043	0.049513	0.047208	0.020611	-0.023591	-0.040613	-0.011355	-0.038335	-0.000234	0.042023	-0.026905
115	-0.05975	0.022603	0.016565	0.000754	0.003542	0.026827	-0.002695	-0.054526	0.022271	0.033059	0.02988	0.052081	0.032809	0.033409
116	0.015474	-0.00404	-0.012371	-0.040061	0.00823	-0.012181	0.02976	-0.030183	-0.036344	0.039616	-0.073588	-0.057235	0.033202	0.051812
117	0.014199	0.021927	0.016259	0.000073	0.046586	0.02768	-0.050302	0.098027	0.020074	-0.021802	0.059727	0.014097	-0.012024	-0.015782
118	0.006681	0.016591	-0.024546	0.006386	-0.027892	0.006777	-0.008919	0.040839	0.010589	-0.051262	0.04228	-0.040442	0.001324	-0.052904
119	-0.001558	-0.044995	-0.036896	-0.014121	-0.053822	-0.021343	-0.015833	-0.01575	-0.000829	-0.026197	-0.03386	-0.045385	-0.009845	-0.023189
120	0.049111	-0.001077	-0.017569	-0.010094	-0.013697	-0.004728	-0.042163	0.01721	-0.00246	-0.004823	-0.009705	-0.020536	-0.008859	0.039615
121	0.086526	-0.028335	-0.01325	-0.004512	-0.025293	0.009782	-0.007329	0.027276	-0.011357	-0.047792	0.067542	0.001441	-0.009972	0.036254
122	-0.03031	0.014197	0.002026	-0.000501	0.008242	0.005048	-0.007946	-0.005501	0.027744	-0.035201	0.02787	0.000074	0.000509	0.015639
123	-0.035817	-0.012333	-0.042493	-0.012359	-0.02994	-0.02626	-0.012655	-0.032423	0.029574	-0.032254	0.012453	-0.01928	0.012916	0.006443

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
124	0.008725	-0.020752	-0.032075	-0.025726	-0.034781	-0.010243	-0.018698	-0.020516	-0.015337	-0.014184	-0.013095	-0.036143	-0.016835	-0.016459
125	0.02622	-0.003895	-0.006957	0.009861	-0.029102	-0.016066	-0.037546	-0.01218	0.00741	-0.056886	0.025101	-0.021907	-0.03414	-0.012344
126	0.006796	-0.007466	-0.014823	0.006697	-0.01518	0.000487	-0.010574	0.02479	0.026752	-0.049719	0.039513	0.007497	0.003005	0.000517
127	0.007494	-0.043478	-0.003398	0.022331	-0.015216	-0.008321	-0.008666	0.002366	0.003961	-0.025573	0.020302	-0.007792	-0.029365	-0.016317
128	-0.004222	0.006266	-0.007524	0.016266	-0.01389	-0.032839	-0.032073	-0.016736	-0.03053	-0.032815	-0.042545	0.007868	-0.000573	-0.001961
129	0.02144	-0.042417	-0.033106	-0.022711	-0.08094	0.041706	0.007632	0.029698	-0.064713	-0.02801	-0.058378	-0.039653	-0.017631	-0.014254
130	0.024843	0.008737	-0.007156	-0.037401	-0.013068	-0.031341	0.00317	-0.004897	-0.008728	0.01217	-0.030216	0.022445	0.002116	0.044624
131	0.089789	-0.031992	0.004813	-0.054151	-0.01978	-0.019645	0.065107	0.080419	0.005245	-0.032364	-0.010255	-0.010544	0.005283	-0.016442
132	0.016796	-0.008246	-0.017686	0.002517	-0.047881	-0.000602	-0.040542	-0.000876	0.021686	0.081092	-0.033194	-0.013402	-0.011032	0.012921
133	0.03517	0.002859	0.011991	0.015498	-0.010933	-0.027904	-0.019512	-0.037538	0.009193	-0.048704	0.02228	-0.027987	-0.004938	-0.047462
134	-0.062976	-0.008214	-0.001944	-0.0408	0.012455	-0.039532	0.061359	-0.000316	-0.005616	0.008139	-0.026401	-0.025382	-0.003772	0.069394
135	0.001392	-0.019685	-0.020393	-0.023086	-0.027695	-0.031925	-0.033376	-0.027331	-0.033321	0.001622	-0.026249	-0.028254	-0.038056	0.006072
136	0.000619	-0.048251	-0.041519	-0.090322	-0.060509	-0.035044	-0.00666	-0.02541	-0.005322	0.016636	0.017607	-0.032007	-0.004148	-0.043807
137	0.023499	0.009708	0.018635	0.020458	0.002624	-0.001482	-0.007306	-0.003383	-0.044733	-0.070417	-0.035661	-0.045006	-0.028892	-0.014488
138	0.066791	-0.007449	0.042234	0.003099	-0.001511	-0.043994	0.005706	-0.016485	-0.042018	-0.034046	-0.055081	-0.03628	-0.003672	0.030881
139	-0.079578	-0.01591	-0.083076	0.009182	-0.021546	0.034837	-0.000253	0.001572	0.006497	0.009182	-0.052348	-0.026547	0.023798	-0.019564
140	0.001249	0.014028	0.045866	0.000418	0.002367	0.025531	-0.044609	0.033549	0.019854	-0.018659	-0.020978	-0.018204	0.014155	-0.017458
141	-0.027199	-0.022281	-0.049048	0.015066	0.022557	-0.035035	-0.022011	-0.029541	0.000614	-0.012916	-0.052484	-0.020518	-0.028233	-0.016816
142	0.036348	-0.02589	-0.055589	-0.094133	-0.013315	0.001685	-0.013009	0.02041	-0.028119	0.011776	0.024591	-0.005214	-0.048712	-0.029361
143	-0.039545	0.007241	-0.010199	-0.026434	-0.004814	-0.06479	-0.022181	-0.04128	-0.010607	-0.008614	-0.004091	-0.019885	-0.030315	-0.011948
144	-0.038372	-0.038188	-0.061171	-0.064132	-0.052913	-0.040357	-0.005038	-0.028239	-0.001614	0.019049	-0.019547	-0.047282	-0.017725	-0.032336
145	-0.015993	0.013283	0.018012	-0.032646	-0.045658	-0.022855	-0.018094	0.021701	-0.049734	-0.002935	0.064451	-0.035862	-0.005995	-0.042071
146	0.02022	-0.002625	-0.030319	-0.020795	-0.044228	-0.025303	-0.044314	-0.005205	0.030186	0.027844	-0.025841	-0.042511	-0.020953	-0.000046
147	-0.041867	0.016655	-0.004607	-0.054448	0.030927	-0.033097	-0.001104	-0.018383	0.003472	-0.016021	-0.006225	-0.000763	-0.008221	-0.033129
148	-0.003387	0.037839	0.034349	0.010124	0.025554	0.026654	-0.019755	0.017608	0.033863	-0.041398	-0.074243	0.002863	0.002086	0.023194
149	-0.030762	-0.00225	0.005042	0.024652	0.004614	-0.022345	-0.007835	-0.009503	0.012683	-0.038712	-0.025207	-0.014139	-0.023592	-0.008874
150	0.035838	0.009172	0.00275	-0.022922	-0.018492	-0.015705	-0.043601	0.029964	-0.063369	0.01709	0.015927	-0.039198	-0.020028	0.018319
151	0.677025	0.01477	-0.015337	0.008333	0.043542	0.004356	-0.000582	-0.025618	0.007238	0.00089	0.010262	-0.022581	0.027656	-0.077679
152	0.023938	0.878824	-0.062158	-0.025925	-0.058088	-0.008452	0.002611	0.011526	-0.015825	-0.031331	-0.015253	-0.025213	-0.062418	-0.015561
153	-0.016204	-0.067512	0.830021	-0.054737	-0.060043	-0.016001	-0.010468	-0.019143	0.040983	-0.039802	-0.046809	-0.024211	-0.025201	-0.016138
154	0.037159	-0.041373	-0.060177	0.8452	-0.066701	-0.052034	0.002502	-0.016785	-0.03082	0.022626	0.022677	-0.005098	-0.032256	-0.027034
155	0.100422	-0.063688	-0.064594	-0.063115	0.80276	-0.025642	-0.018294	-0.062672	0.005297	0.064244	-0.025163	-0.008534	-0.023692	-0.009422
156	0.014105	-0.021375	-0.031353	-0.060464	-0.030824	0.828681	0.002524	-0.062721	0.018943	-0.043831	-0.002058	-0.009738	-0.022102	-0.015177
157	0.013245	0.005917	0.003998	-0.005327	-0.027593	-0.004683	0.910382	0.002344	0.007976	-0.00498	0.014488	-0.01196	-0.024042	-0.012633
158	-0.015244	0.01088	-0.025869	-0.017807	-0.0421	-0.06502	0.015541	0.660904	-0.01554	0.001906	-0.103821	0.017538	0.023788	0.012895
159	0.021264	-0.014755	0.017641	-0.022562	-0.012435	0.018554	-0.002384	-0.00021	0.710787	-0.039828	-0.011017	-0.012072	-0.013159	-0.023823
160	-0.049827	-0.029187	-0.029705	0.022798	0.069277	-0.044213	-0.018986	-0.004901	-0.008733	0.57778	-0.007728	-0.067969	-0.049958	-0.051924
161	-0.009195	-0.021777	-0.049153	0.031236	-0.018859	-0.008739	0.002792	-0.089103	-0.006642	-0.024224	0.754581	-0.011537	-0.012423	0.075426
162	-0.017258	-0.017118	-0.015439	-8.007629	0.008635	-0.021341	-0.00174	0.01205	-0.01004	-0.056365	0.001945	0.842433	-0.036124	-0.056616
163	0.026941	-0.055998	-0.009214	-0.032082	-0.012078	-0.019007	-0.028494	0.018595	-0.023646	-0.045643	0.012583	-0.029301	0.90118	-0.028367
164	-0.065887	-0.023667	-0.010687	-0.039896	-0.023584	-0.017735	0.001197	0.01941	-0.034665	-0.012288	0.064918	-0.03851	-0.023433	0.762975

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
165	-0.023696	-0.05897	-0.046477	-0.007548	-0.125433	-0.001009	-0.016877	-0.003889	0.088022	-0.055142	-0.028725	-0.014325	-0.02886	-0.039607
166	0.003057	0.01801	0.005402	-0.025573	0.012967	0.015526	-0.006316	-0.018688	-0.016185	-0.059264	0.020244	-0.026419	0.018071	-0.058823
167	0.025419	0.002	-0.006123	-0.016115	-0.054726	-0.046013	-0.018279	-0.043254	0.006079	0.056291	0.017259	-0.017342	0.001851	-0.050432
168	-0.005291	0.004177	-0.005911	0.026638	0.04566	0.009854	0.0093	0.033014	0.007849	-0.040509	0.013964	-0.00356	-0.019376	-0.030024
169	0.029334	0.014077	-0.001624	0.009505	-0.006771	0.003313	-0.012426	0.006435	0.016735	0.005805	-0.008801	-0.010431	0.00675	0.024341
170	0.019431	0.015886	-0.001998	0.011846	0.014916	0.005629	0.009889	0.011192	0.017877	-0.007012	-0.019062	-0.01593	0.022148	0.026013
171	0.032106	-0.017456	-0.030718	0.022918	-0.010163	0.001487	0.000205	-0.001241	0.006615	0.009026	-0.039849	0.00387	0.010867	0.039644
172	-0.029335	0.015712	-0.01216	0.015019	-0.026653	0.000062	-0.020864	-0.037155	-0.017664	-0.002814	-0.024966	-0.004227	0.019452	0.015983
173	-0.002536	0.01559	-0.004311	0.02495	-0.01611	0.031849	0.002274	-0.027434	-0.000134	-0.043116	-0.003022	-0.004447	0.015406	0.0192
174	-0.001464	0.018052	0.008091	0.011933	-0.016339	0.023241	0.012415	-0.055143	0.008365	-0.013888	-0.040361	0.0006	0.00437	0.02812
175	-0.025067	0.002695	0.008627	0.026047	-0.025704	0.024727	-0.003986	-0.014521	0.032607	-0.029134	-0.046547	-0.020983	-0.009263	0.004135
176	0.040621	-0.004299	0.010328	0.017652	0.008588	-0.051063	-0.007966	-0.017809	0.031364	0.03757	-0.03119	0.003847	-0.006332	0.019979
177	-0.046906	0.033607	-0.0025	-0.002996	0.010378	-0.029063	0.017723	-0.04933	-0.023205	0.009031	-0.019667	0.026653	0.049443	0.000483
178	-0.025597	0.017922	0.013002	0.039682	0.004675	0.038844	-0.018088	-0.010361	-0.001804	-0.013674	-0.00021	-0.008569	0.005053	-0.008326
179	0.006607	0.007879	0.012394	0.006604	-0.007288	0.01384	-0.012011	-0.003127	0.002382	-0.003623	0.039102	0.009772	0.004028	-0.015626
180	0.00622	0.011299	0.004763	0.017274	0.010524	0.027575	-0.000078	-0.005867	0.008377	-0.023867	0.021852	-0.003485	0.013803	0.004328
181	-0.001107	0.014957	0.008142	0.014494	0.006368	0.021337	-0.004725	-0.013573	0.007278	-0.014279	0.025795	0.002226	0.015046	-0.000531
182	-0.010391	0.008961	0.004272	0.00891	0.014203	0.010783	-0.002051	-0.023022	-0.011857	-0.012317	0.011815	0.010523	0.016118	-0.01082
183	0.018958	-0.014323	-0.008542	-0.007641	-0.035829	-0.021955	-0.008934	-0.02486	-0.025742	0.008001	0.017959	0.03113	0.008487	-0.008612
184	0.019189	-0.021191	0.01511	0.006875	-0.036657	-0.018757	-0.015038	-0.004995	-0.048124	-0.02243	-0.006188	-0.001717	-0.022814	0.046614
185	0.010829	0.024244	0.006957	0.017987	0.010847	0.014838	-0.024369	0.032543	-0.030387	-0.013135	0.007045	0.051766	0.000432	0.057309
186	-0.015648	0.013519	-0.029539	0.010496	-0.009122	0.053047	0.001189	0.026037	0.013106	0.007729	-0.036436	0.018394	0.03772	0.03013
187	-0.007399	0.017566	-0.000477	-0.006627	-0.008505	0.023241	0.009698	-0.01275	-0.013855	-0.003365	0.028133	-0.010817	0.005884	-0.009126
188	-0.001041	0.011382	-0.004504	-0.022105	-0.016428	0.005621	0.018518	-0.03727	-0.005471	-0.004733	-0.003988	-0.011939	0.004112	-0.00388
189	0.009374	0.016353	0.005603	-0.038359	-0.001406	-0.0032	0.009312	-0.033885	-0.026609	-0.011119	0.002137	-0.024344	-0.013706	-0.006749
190	-0.020882	0.009587	0.020198	0.020894	0.01481	-0.02308	-0.004465	-0.020602	0.002886	-0.020748	-0.011961	-0.012866	-0.000663	-0.013059
191	-0.01097	0.010385	0.005974	-0.000329	-0.011392	-0.022766	-0.025636	-0.013969	0.006877	-0.00886	-0.020407	-0.001797	-0.008532	-0.003283
192	-0.00651	-0.023939	0.020915	0.001391	-0.012702	-0.022624	-0.005581	-0.025487	-0.022649	0.026473	0.017257	-0.010959	-0.023347	-0.041205
193	-0.018104	-0.024557	-0.016602	0.008292	0.00486	-0.008438	0.012868	-0.015652	0.00806	-0.014111	-0.012153	0.007068	-0.012811	-0.019014
194	-0.01934	-0.003791	-0.002194	0.000049	-0.02943	0.000307	-0.004276	-0.027323	0.030836	0.017933	0.020664	-0.003345	0.002666	-0.018327
195	-0.003328	0.017159	0.038925	0.007344	-0.011775	0.018342	-0.009155	-0.034848	-0.027304	0.005817	0.002394	0.007459	0.011069	0.005023
196	-0.037788	0.024282	0.048081	0.019678	0.009438	0.027836	-0.005582	-0.03822	-0.009827	0.014943	-0.006515	-0.01475	0.011958	0.005502
197	-0.027356	0.009193	0.018297	0.016426	0.003025	-0.035228	-0.006235	-0.044532	-0.005045	0.001438	-0.022339	-0.006002	-0.001425	-0.02478
198	0.010093	0.024437	0.025365	0.024816	-0.007291	0.009667	-0.016732	0.009828	-0.037893	-0.002621	0.001756	0.014054	0.005667	0.015988
199	-0.01497	0.005099	0.051066	-0.003639	0.015367	0.022148	-0.013389	0.026353	-0.017784	0.030189	-0.003122	-0.00867	-0.048389	-0.043738
200	-0.064643	-0.011535	-0.048303	0.018892	-0.034983	0.01254	-0.001558	-0.038828	-0.04583	-0.012516	-0.015911	-0.004969	0.018761	-0.077893
201	0.032317	-0.01681	-0.012307	0.014061	0.025833	-0.010711	0.020845	-0.00724	0.050951	0.011122	-0.066867	-0.021258	-0.011211	0.021318
202	-0.061251	0.003891	0.022332	0.019123	0.008321	0.019051	0.001903	-0.004068	-0.015857	-0.012208	0.028428	0.006083	0.021851	-0.021131
203	0.006075	0.002309	0.013621	0.009919	-0.035222	-0.007729	-0.006793	0.013338	-0.041612	-0.017086	0.011935	0.011569	-0.002873	-0.014857
204	0.002381	-0.033164	0.015484	0.009575	-0.002068	0.010686	-0.040286	0.059066	-0.050213	0.027506	-0.025618	-0.016297	-0.011862	0.043976
205	-0.055093	-0.035497	0.021757	0.015825	0.004533	0.004175	-0.023122	0.01331	-0.035545	-0.031587	0.078451	-0.020957	-0.042384	-0.069685

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
206	0.021783	-0.006132	-0.008017	0.006417	0.028561	0.011008	0.045235	-0.055985	0.050784	0.032145	-0.002623	0.028847	-0.005061	0.04189
207	-0.02352	-0.025109	-0.022689	0.010256	-0.023776	-0.000272	-0.017233	-0.043087	0.034381	0.00362	-0.000836	-0.023998	-0.016212	-0.064735
208	0.049122	-0.054083	-0.014524	-0.00841	-0.069103	-0.039329	0.01103	0.024797	-0.03531	-0.006678	0.019988	0.016725	-0.00748	-0.004206
209	-0.0403	-0.013091	0.034875	-0.00902	-0.004059	-0.020753	-0.005606	-0.113555	-0.052165	0.046121	-0.008212	-0.021194	-0.00253	0.014759
210	0.023909	-0.012355	0.007205	0.009671	-0.062944	-0.04688	-0.008746	-0.02231	-0.03169	-0.007032	-0.026072	0.017138	0.000038	-0.011871
211	-0.00294	0.008908	-0.008945	-0.035139	-0.026866	-0.050039	-0.01448	-0.001377	-0.020482	0.01098	0.017142	0.020492	0.02106	0.002576
212	0.04155	0.002186	-0.020563	-0.075666	-0.010948	-0.032399	-0.007297	0.077991	-0.032021	-0.018552	0.044711	0.033059	-0.01763	-0.082881
213	0.025229	-0.004564	0.017814	0.050759	-0.027912	0.006692	0.001785	0.015218	0.033665	-0.082973	-0.04269	0.020238	0.005638	-0.004286
214	0.025903	0.004774	0.00762	-0.008573	-0.001954	0.010755	-0.017777	0.001082	-0.022228	-0.008766	0.028895	-0.006631	0.002821	-0.001588
215	-0.022572	-0.015403	-0.008855	0.003207	-0.028813	0.027324	-0.03557	0.014726	-0.027015	-0.024378	0.023908	0.049348	-0.021807	0.001611
216	-0.013784	0.001555	-0.006662	0.025988	0.020084	0.027191	0.018465	0.007089	0.004213	0.008271	0.004445	-0.016812	0.000039	-0.010914
217	-0.00728	0.0072	0.045047	0.018734	-0.011281	-0.006287	-0.020191	0.074811	0.000981	0.039852	0.056123	0.008808	0.001798	-0.009736
218	0.014963	0.005026	0.007047	-0.003033	-0.005282	0.005376	-0.010679	0.012936	-0.019833	0.009431	-0.00764	0.004579	0.006633	0.044532
219	0.008767	0.016422	0.001247	0.00215	-0.00594	0.010548	-0.00448	0.008152	0.009189	0.033388	0.003913	-0.02204	0.0113	0.01663
220	0.035164	0.022308	0.014142	-0.002583	-0.031801	0.000275	-0.022243	0.014644	-0.020749	0.016024	0.040714	0.005006	0.004218	0.024351
221	0.039092	-0.010077	-0.010898	-0.005415	-0.022077	-0.01255	-0.007599	-0.007126	-0.002721	-0.038719	0.045067	-0.004395	-0.00491	0.020626
222	0.017592	-0.033725	0.008559	-0.000927	-0.022771	-0.026417	-0.005711	-0.034915	-0.022173	-0.016979	0.029354	-0.015548	-0.034671	-0.021652
223	0.015078	-0.023032	-0.020438	0.012278	-0.017254	0.001568	0.002765	-0.02318	0.020025	0.00127	0.011875	0.006805	-0.008115	-0.005655
224	0.041517	0.005877	0.034161	0.018024	0.013906	0.006116	0.008689	-0.035039	-0.012094	0.027956	0.007221	0.03697	0.004125	0.010565
225	0.066953	0.004248	0.032146	0.008846	-0.005502	0.000208	0.011161	-0.035402	-0.02129	0.019701	0.01184	0.036251	0.007465	0.007268
226	0.009962	0.004321	-0.001868	-0.011428	0.011573	-0.0097	0.004406	-0.003799	-0.019831	-0.008112	-0.008028	0.003774	0.001461	0.029875
227	0.012278	0.020161	0.001742	0.018138	0.036103	0.031472	0.012662	-0.031836	-0.01963	0.020786	-0.013099	0.03113	0.008615	0.037064
228	0.009848	-0.025693	0.003178	0.020012	0.010713	0.006752	0.004748	0.003388	-0.03256	-0.038491	0.004332	-0.030183	-0.028816	-0.008332
229	0.05148	0.025353	0.005431	0.014992	0.00608	0.011685	0.010888	0.05605	-0.020969	0.003223	0.030723	-0.022559	-0.006104	0.041359
230	-0.000176	0.016962	-0.016874	0.016989	0.025628	0.025047	0.009625	0.000547	-0.001821	-0.02477	-0.009069	-0.00807	-0.008471	-0.011744
231	-0.039795	-0.004244	-0.01252	-0.003018	0.030875	-0.002835	0.014871	-0.024395	-0.011811	0.002716	-0.015312	0.032108	0.011788	0.022741
232	0.021974	-0.006569	0.003666	-0.007848	-0.005926	-0.020106	-0.000429	-0.049424	-0.004137	-0.045153	-0.01013	0.004808	-0.020945	0.00908
233	0.001107	0.013637	-0.010348	0.014488	-0.017788	0.024341	-0.001532	-0.004121	0.010291	-0.028863	-0.044316	0.021233	0.009623	0.039629
234	0.00435	0.013595	-0.00259	0.038321	0.025334	0.031178	0.021871	-0.008814	-0.018282	0.002717	-0.03324	-0.014953	0.012376	0.003937
235	-0.002186	-0.001714	-0.00777	0.012264	0.007446	0.003888	-0.009318	-0.001613	-0.008142	0.003085	-0.015737	0.003301	-0.008476	0.011339
236	0.015288	-0.001006	-0.009079	0.009564	0.001954	-0.035388	0.012504	-0.021202	0.044721	0.015381	-0.022901	0.014299	0.000863	-0.009208
237	-0.017483	0.000513	0.014215	-0.007346	0.010283	-0.020275	0.021046	0.019402	-0.024985	0.005895	-0.013921	-0.033134	0.014454	-0.04184
238	-0.043201	-0.004637	0.009162	-0.006523	0.00456	-0.000416	0.018333	0.024139	0.005979	0.014312	-0.001794	-0.023031	0.009515	-0.03535
239	-0.031866	-0.017233	0.006749	-0.001284	-0.006377	0.015221	-0.001847	0.014036	0.022878	0.025629	-0.00716	0.008959	-0.006908	-0.007131
240	-0.028128	-0.002008	0.00439	0.01226	0.008595	0.013846	0.013419	0.038616	0.038707	-0.024549	0.013037	-0.01653	0.011212	0.004376
241	0.00535	0.003096	0.013518	0.011237	-0.006513	0.01414	0.011539	0.021714	0.005494	0.007109	-0.022641	0.004345	0.019089	0.024453
242	0.004516	0.002597	-0.002417	0.007118	0.002497	-0.015929	0.003991	-0.027345	0.001581	-0.004962	-0.011012	0.028197	-0.002712	0.023291
243	-0.017567	-0.007003	-0.004495	0.01581	0.005838	-0.007489	-0.004046	-0.008088	-0.007219	-0.009477	-0.015839	-0.008369	-0.018215	0.016549
244	0.022619	-0.018691	-0.034093	-0.009317	-0.012362	-0.00449	0.008014	-0.01178	0.004403	-0.011087	0.014952	0.014927	-0.004073	0.018727
245	0.010147	0.001674	-0.01386	-0.006122	-0.017329	-0.018413	-0.000503	-0.028287	0.012591	0.019972	0.002422	0.025524	-0.005201	-0.00216
246	-0.004492	0.021738	-0.004966	-0.013422	-0.010572	0.006405	-0.007729	-0.021913	-0.031265	-0.006321	-0.011485	0.008983	0.00255	-0.023179

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
247	0.004827	0.02832	0.008288	0.011419	-0.009738	0.000377	-0.019813	-0.010118	0.02022	-0.008501	-0.000234	0.004344	0.00167	-0.011857
248	0.020279	0.012084	-0.003715	-0.002111	-0.025503	-0.017616	-0.022135	-0.018348	0.021773	0.000896	0.009155	-0.01259	-0.005134	-0.000655
249	-0.012975	-0.039429	0.007568	0.006011	-0.002647	-0.034217	0.019137	-0.00803	0.007408	-0.003211	-0.034691	-0.02145	-0.011966	-0.009932
250	-0.010418	0.001221	-0.012471	0.017985	0.009327	0.023838	0.017909	0.007647	0.021544	0.02175	-0.005662	-0.001272	0.025471	-0.000782
251	0.014385	-0.000961	-0.008515	0.007257	0.002702	0.004281	0.016414	0.017768	0.017108	0.003517	0.008651	-0.007424	0.021399	0.002037
252	0.012476	-0.001503	0.024226	0.017884	0.005057	-0.010388	0.002834	-0.017747	-0.022312	0.03413	-0.006511	0.03149	0.007319	0.019273
253	0.007838	-0.022554	0.000541	0.009352	-0.015446	-0.022518	0.014884	-0.014393	-0.012295	0.015441	-0.025801	0.004083	-0.003325	0.025819
254	0.011862	-0.014623	-0.031286	0.009676	-0.010137	0.022279	0.010053	-0.001567	0.021963	0.023289	-0.011404	0.013743	-0.001503	-0.000734
255	0.01102	0.010485	-0.035191	-0.011088	-0.004865	0.008134	0.007693	-0.007535	-0.004134	-0.019805	0.00134	0.007604	0.005108	0.001171
256	0.007848	0.003967	0.004771	0.003633	-0.008865	-0.004556	0.002525	-0.006032	-0.019689	-0.049081	-0.020896	0.012352	-0.012119	0.006646
257	-0.026892	0.001148	0.016062	0.02235	0.012574	-0.002691	-0.019189	-0.017578	0.023981	-0.029125	0.006726	0.009881	-0.000209	-0.018276
258	-0.008896	0.00224	0.024313	0.010846	0.000301	-0.023558	-0.01819	-0.017406	0.038807	0.008936	0.014277	0.008147	-0.00427	-0.022732
259	0.012613	-0.034622	-0.01212	0.018964	-0.01293	-0.005206	0.014713	-0.020033	-0.000699	0.021834	-0.015808	-0.015712	-0.002734	-0.017524
260	0.043789	-0.018586	0.017884	0.032756	-0.001956	0.022699	0.005439	-0.005579	-0.021936	0.043858	0.021183	-0.007452	0.007663	-0.002109
261	0.000033	0.001623	0.030134	0.01754	0.017112	-0.00052	0.021106	0.008013	-0.007406	0.015847	0.022843	-0.014315	0.014901	-0.012267
262	-0.021822	0.005694	0.020549	0.012309	0.019641	-0.016955	-0.003469	-0.027105	0.002906	-0.017965	0.003426	0.011528	-0.001667	-0.00655
263	-0.014306	-0.00056	-0.000411	0.012518	0.001904	-0.023719	-0.009472	-0.031826	0.014868	-0.000233	-0.006015	0.009297	-0.002557	-0.010977
264	0.017904	-0.037084	-0.008113	-0.003395	-0.010558	-0.004618	0.005714	-0.012395	-0.02504	0.020081	-0.009687	-0.022246	-0.022492	-0.031843
265	0.015016	-0.018895	0.012131	0.006713	0.007927	0.028627	0.000801	-0.008735	-0.026039	0.040829	-0.028519	0.003127	-0.014504	-0.035543
266	0.018868	0.014193	0.016594	0.006578	0.017235	0.015984	0.006265	0.01059	-0.019285	0.026789	0.002443	0.001838	0.004031	-0.015842
267	0.023302	-0.010184	-0.003544	-0.001596	0.004332	0.016934	0.031589	0.020728	-0.033469	0.005042	-0.014328	0.01248	-0.004463	0.067846
268	0.006398	-0.000716	0.005549	-0.007702	-0.002412	0.009691	-0.001216	-0.008678	-0.039114	0.017638	-0.022125	0.018039	-0.004244	0.033416
269	0.013852	0.004333	0.005931	-0.011696	0.007758	0.000912	0.003982	-0.00639	-0.033243	0.000688	-0.001121	0.013604	0.002427	0.038702
270	-0.000381	0.009702	-0.000515	-0.001005	0.018871	0.015399	0.001172	-0.018354	-0.014524	0.00905	-0.006816	0.005345	0.002326	0.036737
271	0.00693	0.020231	-0.022008	-0.001185	0.023537	-0.050112	0.013137	0.021687	0.023869	0.062682	0.019533	-0.017422	0.015394	0.024889
272	0.031256	0.019425	-0.002216	0.001796	0.000696	-0.011339	0.006884	0.041452	0.007385	0.006782	0.020473	-0.027523	0.002157	0.028359
273	0.015685	0.009756	-0.000554	0.000084	-0.015683	0.015206	-0.021823	-0.000155	-0.001427	0.021671	-0.015949	0.001075	-0.00326	0.027519
274	0.01695	0.013601	0.001285	-0.000876	-0.006575	0.018378	-0.017311	0.005263	0.002643	0.018903	-0.007646	-0.00284	0.000935	0.024808
275	-0.001258	0.018589	-0.036489	0.015486	0.026239	0.030495	-0.005555	-0.001156	0.023652	-0.010253	-0.001712	-0.023672	-0.010922	0.005285
276	0.023949	0.01004	0.008659	0.014406	0.005523	-0.034865	0.020212	-0.004079	0.055166	0.038313	-0.005691	0.002112	0.000314	0.006324
277	0.009874	-0.017589	0.017783	0.001155	0.003332	0.009442	0.003782	0.00994	0.005503	0.002586	-0.015786	0.000023	-0.010653	0.002296
278	0.010197	-0.027719	-0.001997	0.000781	0.008903	0.008941	0.004145	0.003208	0.022008	-0.012204	-0.01156	-0.005	-0.011809	0.007083
279	-0.021716	-0.012309	0.002837	-0.001522	0.005451	0.022412	0.001864	0.025296	0.04535	0.019707	0.017058	-0.020216	-0.008748	-0.010812
280	-0.0049	-0.005485	0.006459	0.016085	-0.006377	-0.006082	0.014758	-0.037988	0.00083	0.011321	-0.038451	-0.006007	-0.017122	0.021639
281	0.004846	0.018882	-0.015301	-0.015438	-0.007083	-0.010845	-0.01434	-0.029908	-0.003086	-0.027266	-0.016925	0.005544	0.002129	-0.000035
282	-0.005431	0.018019	-0.016023	0.003571	0.016398	-0.005122	-0.016709	-0.043176	0.024493	-0.030142	-0.009497	0.019099	0.000691	0.009589
283	0.020817	0.025685	-0.014891	0.013056	0.005932	0.001031	-0.021118	0.006736	0.056012	-0.018416	0.009522	-0.016595	0.002824	0.010849
284	-0.017926	-0.005816	0.003862	0.010898	0.009529	0.00005	-0.012292	-0.00358	0.022408	-0.026393	0.009703	-0.002214	-0.001646	-0.018698
285	-0.0243	-0.010413	0.000851	0.017549	0.022409	0.006232	-0.012608	-0.009027	0.024179	-0.024421	0.001972	0.006585	-0.002025	-0.007885
286	-0.022971	0.005136	0.015533	0.009447	0.017781	-0.01246	-0.003737	0.002995	0.046185	-0.006115	0.029674	0.004846	0.007961	-0.029204
287	-0.025705	0.004438	0.005544	0.011592	0.026637	-0.018671	-0.009552	-0.001819	0.056152	-0.01683	0.02511	-0.00498	0.00022	-0.015343

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
288	0.01207	0.009223	0.02135	-0.007009	0.015221	-0.033029	-0.015478	0.006172	0.041294	0.01157	0.031036	-0.019751	-0.010941	-0.010601
289	-0.001316	0.010172	0.019442	0.013117	0.021789	-0.002844	-0.016006	-0.004811	0.01464	-0.004484	0.005601	-0.000976	-0.01542	-0.006045
290	-0.038695	-0.00122	0.000739	-0.007861	-0.005662	-0.01358	-0.004731	0.013929	-0.040892	0.009171	-0.023807	-0.018275	-0.000328	0.000463
291	-0.043398	0.002473	0.003706	-0.002987	-0.000045	-0.01175	-0.00559	0.015374	-0.036628	0.008472	-0.02236	-0.018773	0.001949	-0.000356
292	-0.052521	0.007455	0.006219	-0.007977	0.005075	-0.012599	-0.004232	0.029493	-0.035704	0.004257	-0.009136	-0.020607	0.001035	-0.008146
293	-0.027124	-0.006856	-0.035587	0.001151	-0.018465	-0.005679	-0.003467	-0.007581	0.0286	-0.000052	-0.037359	0.01582	0.013281	0.006592
294	-0.005775	-0.005247	-0.00768	-0.005589	0.008801	0.013008	-0.008449	0.001544	-0.031166	0.005384	-0.014265	0.001555	-0.010182	0.021237
295	-0.0106	0.009002	-0.00908	0.00496	-0.011382	0.013855	-0.02497	0.009081	0.019328	-0.008571	-0.024439	0.014185	0.004394	0.018525
296	0.047056	0.016895	0.013666	-0.005665	-0.014458	0.02223	-0.013327	0.012407	0.002854	-0.025526	0.002953	0.005932	-0.016242	0.037085
297	0.004147	-0.002079	0.005893	-0.000757	-0.011893	0.000787	-0.019086	0.014608	0.014561	-0.010375	-0.01194	0.0111	0.001186	0.035622
298	0.014459	0.014999	-0.001055	0.007991	-0.025115	0.01094	0.009361	-0.036038	-0.006743	0.034878	-0.001135	-0.005871	0.014049	-0.021684
299	-0.008521	-0.008912	-0.005065	-0.003641	-0.013443	-0.020938	0.000159	-0.001161	0.003556	0.000952	-0.021056	0.020029	-0.000141	0.011943
300	-0.103803	0.0305	0.017392	0.05295	0.035045	0.057579	0.026259	0.035561	0.031393	-0.017931	0.017795	-0.063539	0.012288	-0.030297
301	-0.009387	-0.021233	-0.012067	0.003272	-0.006241	-0.008471	-0.010028	-0.010164	-0.012053	-0.019059	-0.020049	0.018244	-0.011347	-0.001793
302	-0.031879	-0.013232	0.002088	0.005216	-0.002552	0.00614	-0.010538	-0.005218	-0.024713	-0.009913	0.000433	0.012367	-0.019645	-0.007963
303	-0.020533	-0.003263	0.017197	0.007234	0.003662	-0.017916	0.00836	-0.006626	-0.003539	-0.023595	0.037339	0.009679	-0.009322	-0.019543
304	-0.021777	-0.007417	0.007503	-0.001857	-0.016862	-0.013927	0.014612	-0.015423	-0.001694	0.009181	0.004765	-0.00437	-0.007039	-0.025242
305	-0.040631	0.007187	-0.029248	0.000582	0.015472	-0.009819	-0.005204	-0.014112	0.000096	-0.023215	-0.01121	0.013718	0.009797	-0.030747
306	-0.030288	-0.022722	0.004787	0.023708	-0.010436	0.015605	-0.014086	0.026712	-0.009354	0.003245	-0.024989	-0.013841	-0.000342	-0.02552
307	-0.089122	-0.025937	-0.046644	0.01377	0.014377	0.016767	0.033002	-0.008209	0.02829	0.004917	0.019929	-0.023535	0.036996	-0.000607
308	0.017023	0.022875	0.016451	-0.03226	-0.033276	0.016401	0.004055	-0.020804	0.025716	0.028722	0.008549	-0.012132	0.002697	-0.020217
309	-0.024281	-0.016806	-0.03642	-0.001463	0.007478	-0.003662	0.007148	-0.000743	-0.003217	-0.029652	-0.025422	0.004705	0.002765	0.012701
310	-0.011499	-0.008378	-0.056605	0.007367	0.001596	0.005817	-0.00056	-0.008465	-0.001924	-0.025409	-0.020524	0.042514	0.017208	-0.00758
311	0.018363	-0.015938	-0.019376	-0.001043	-0.035579	0.019856	0.007717	-0.004138	-0.025629	0.029735	-0.031125	-0.009012	0.006525	0.013423
312	-0.018716	0.03516	-0.001829	-0.075776	0.026847	-0.042566	-0.030518	-0.067547	-0.033855	-0.071422	-0.017164	-0.058746	-0.02581	0.006975
313	0.041406	0.007559	0.010157	-0.000661	-0.028549	0.010764	0.002302	0.005999	-0.012074	0.024495	0.005396	-0.015	0.017362	-0.016317
314	-0.013281	0.022765	0.017584	0.04161	0.029881	0.045227	-0.046566	0.063337	-0.025606	0.03668	0.035898	-0.033238	0.039651	-0.03534
315	-0.004981	0.007603	0.005196	-0.000654	0.018045	0.002413	0.004224	0.016207	0.003403	-0.005201	0.015116	-0.003634	0.008939	-0.003833
316	0.035075	0.005746	0.020738	0.013765	0.011415	0.030375	-0.01928	-0.048519	-0.025305	-0.042449	0.003936	-0.016862	0.00086	0.024665
317	-0.006078	-0.002237	-0.021134	0.023884	0.027174	0.023308	-0.010638	0.006316	0.008812	-0.033336	-0.011182	0.004317	0.003274	0.00323
318	0.041704	-0.018204	-0.041859	0.010827	-0.009467	0.010529	0.000935	0.003157	-0.002241	0.029953	0.00367	-0.002468	0.022224	0.000408
319	0.007517	-0.008156	-0.007824	0.014793	0.014309	0.000142	-0.000233	0.011253	0.002583	-0.0256	0.003214	0.0045	0.004997	0.012795
320	0.04388	-0.011449	-0.00476	0.000728	-0.051237	0.024862	-0.031444	-0.015857	-0.017455	0.014293	-0.050677	0.003433	-0.006362	0.01825
321	0.021731	-0.027736	0.016966	0.006202	-0.013889	0.024784	-0.005914	0.034733	-0.059733	0.01111	0.007798	0.004411	-0.012222	0.000807
322	-0.03038	0.000914	-0.030582	-0.041072	0.044253	0.00855	0.003002	-0.008269	0.005294	-0.002754	0.010718	0.006361	-0.022958	-0.037094
323	0.038646	-0.013147	-0.001606	-0.02737	-0.021415	0.020235	-0.001633	-0.011988	-0.069511	0.042376	-0.025953	0.014951	-0.001027	-0.051549
324	-0.004188	-0.026966	-0.027583	-0.031518	-0.023967	-0.024374	-0.016877	0.002168	0.018343	0.05683	0.004776	-0.033507	-0.026413	0.005964
325	0.007813	-0.002452	0.009299	-0.008064	0.018555	-0.000676	0.006662	0.012989	-0.022718	-0.022545	0.028753	-0.013525	-0.017311	0.023514
326	-0.039195	-0.0001	-0.010724	-0.016419	-0.00331	-0.038088	0.004526	0.007368	-0.01394	-0.033337	0.023748	-0.023214	-0.007598	-0.021753
327	0.002726	-0.001782	-0.014646	-0.014759	-0.01895	0.003191	0.002262	-0.004212	-0.028256	0.004665	0.002375	-0.000551	-0.011546	-0.025077
328	0.001457	0.000407	0.048579	-0.035628	0.002694	0.003908	0.004302	0.013329	-0.013452	-0.024063	-0.011172	-0.021545	-0.023431	-0.021943

	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI
329	0.010877	-0.007384	0.000947	-0.014129	-0.0135	-0.00042	-0.005118	0.006652	-0.048689	-0.022552	0.017286	-0.002884	-0.020844	-0.0317
330	0.010487	0.000447	-0.000585	0.003406	0.012236	-0.023933	-0.008319	-0.001873	-0.02879	-0.008762	-0.001911	0.027584	-0.034334	-0.014082
331	-0.02239	-0.003545	-0.004333	-0.016382	-0.003823	-0.004927	-0.000332	-0.001319	-0.021074	0.004669	0.015569	-0.022808	-0.013514	-0.020236
332	-0.031145	-0.01789	-0.011107	-0.009179	-0.019954	-0.013622	0.021084	0.01819	-0.00879	-0.019329	0.013027	-0.008052	-0.002527	0.004997
333	-0.006234	-0.016358	-0.001811	0.002758	0.0082	0.002912	0.006383	-0.004162	-0.02197	-0.005738	0.009121	-0.014026	-0.016091	0.011481
334	-0.041831	0.025462	0.029655	-0.041317	0.036703	-0.043182	-0.002884	-0.001148	-0.043617	-0.002595	0.064536	0.006965	-0.020103	0.001454
335	-0.010057	-0.022701	-0.031385	-0.013607	-0.011637	0.00043	0.002911	0.001156	-0.04107	0.002136	-0.013884	-0.022212	-0.009525	-0.003517
336	-0.03861	0.0069	-0.006406	0.044676	0.040702	0.012768	0.009762	0.010879	-0.036367	-0.060429	-0.051257	-0.009684	0.000754	-0.027802
337	0.002085	0.012637	0.001658	-0.006604	0.024037	-0.024171	-0.009669	-0.011894	-0.012069	-0.016032	-0.015723	-0.017414	-0.001341	0.015291
338	0.059951	0.02831	0.002391	-0.01596	-0.040328	-0.030446	0.015943	-0.031019	0.019128	0.036004	0.01059	0.054747	0.013004	-0.00855
339	-0.005682	-0.028144	0.006122	-0.015009	-0.014591	-0.011032	0.008066	-0.017902	-0.035544	-0.021255	0.004896	-0.016769	0.000089	-0.032942
340	-0.034997	0.032128	0.013069	0.030984	0.000781	-0.024595	-0.015037	-0.002334	0.036846	-0.034306	0.015974	-0.009828	0.011963	-0.035484

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
1	0.053076	0.060451	0.030725	0.023739	-0.013183	-0.014935	-0.020984	-0.002681	-0.001395	-0.046236	-0.04559	-0.02801	0.024004	0.025258
2	0.134783	-0.014054	-0.049959	-0.022452	0.021174	0.01526	0.036519	0.007466	-0.038004	-0.094084	-0.064126	0.050776	0.005493	0.057607
3	-0.073271	-0.042099	0.017818	-0.046408	-0.021639	-0.022043	-0.015857	-0.013795	0.018103	0.10337	0.055706	0.02404	0.024631	0.001592
4	0.018402	0.168506	-0.036527	-0.070321	0.018752	0.008292	0.028415	0.033964	-0.022715	0.009847	-0.003744	-0.049246	0.044636	-0.016183
5	0.004945	-0.032619	0.027524	0.096847	-0.019791	-0.063514	0.017036	-0.03429	-0.040426	0.015135	-0.001867	-0.013138	-0.061767	-0.030506
6	0.000639	-0.009428	0.05036	-0.0393	0.011515	0.024986	0.005617	0.006014	-0.081832	-0.079532	-0.089067	0.122352	-0.003987	-0.016636
7	-0.023758	-0.072407	-0.092166	-0.051679	-0.058268	-0.048995	-0.015824	-0.088689	-0.015722	-0.051596	-0.047037	-0.052586	-0.040065	-0.031607
8	0.075027	-0.116716	0.059619	-0.029885	-0.037481	-0.010603	0.013013	-0.016962	0.00482	0.017334	-0.045945	0.008215	0.022911	0.04798
9	0.064546	-0.029723	0.013535	-0.026685	-0.06838	-0.070164	-0.062107	-0.077746	-0.051724	-0.033657	-0.05731	0.023952	-0.056129	0.003683
10	0.050089	-0.013072	0.108988	0.03447	-0.02721	-0.018239	-0.02117	0.010034	-0.036788	0.039794	0.041226	0.003294	0.046394	0.012839
11	-0.017026	0.050704	0.014454	-0.115399	-0.019302	-0.052029	-0.093985	-0.014682	-0.080107	-0.052087	0.041448	-0.068193	-0.014299	-0.058446
12	-0.018509	0.018847	0.02599	0.05021	0.015086	-0.008149	0.006172	-0.003911	-0.017893	-0.062749	-0.001689	0.018549	-0.095699	0.014176
13	-0.051165	-0.11298	-0.06021	0.108089	-0.041609	-0.053242	-0.012529	0.023025	0.029451	0.086645	0.035847	0.04532	0.064241	-0.020787
14	0.07353	-0.013999	0.008597	-0.045313	0.046324	0.064032	0.05324	-0.032766	-0.005009	-0.021722	-0.012266	0.027588	-0.028487	0.037802
15	0.046195	-0.013549	-0.007129	-0.019865	0.03442	0.075452	-0.034358	-0.081681	-0.090386	-0.070175	0.000208	0.006871	-0.058634	-0.042526
16	0.024359	-0.016802	0.098262	-0.014015	0.029768	0.034536	0.007254	0.027845	0.065108	0.042675	0.042662	0.050731	-0.032357	0.010591
17	-0.033357	0.079858	-0.047229	-0.100139	-0.037365	-0.029754	-0.046425	-0.063598	-0.086992	-0.116783	-0.088162	-0.028617	-0.046422	0.025531
18	-0.124576	-0.034648	-0.047797	-0.037813	-0.058266	-0.034291	-0.077554	-0.072637	-0.053161	-0.044344	-0.03231	-0.045673	-0.074105	-0.000385
19	0.005856	-0.075595	-0.055146	-0.032747	0.018852	-0.011322	0.003506	0.045067	0.040205	0.021027	0.084745	-0.084077	-0.062428	0.066305
20	0.117967	0.110007	0.060702	-0.05104	-0.075449	-0.077624	-0.025925	0.038652	0.078233	-0.008618	-0.079617	-0.016443	-0.059085	-0.048479
21	-0.005992	-0.009339	0.065148	-0.018479	0.000337	-0.010619	0.001511	-0.105162	-0.032705	-0.002026	-0.183006	-0.099497	-0.052919	0.001311
22	0.062388	0.089574	-0.084478	0.081339	0.019088	0.025817	0.041376	-0.024075	-0.059308	-0.052032	0.023452	-0.033644	-0.114347	-0.029901
23	-0.020098	-0.030071	-0.049541	0.010661	0.01714	0.033465	0.018694	0.018619	-0.013099	-0.017573	-0.018287	-0.063552	0.042469	-0.029351
24	0.090198	0.015054	0.013844	-0.016357	0.093289	0.06319	0.056306	0.013517	0.009807	-0.010654	-0.02554	0.053702	0.012601	-0.02465
25	-0.036673	0.107384	0.024927	-0.10815	0.033437	0.019922	-0.001947	-0.016726	-0.047555	0.004317	0.029576	0.013846	0.092412	0.06772
26	-0.124693	-0.004171	0.059974	0.018797	0.05555	0.008401	0.036584	0.029644	-0.021268	0.081893	0.018929	-0.0698	-0.030587	0.01192
27	-0.037149	-0.150181	-0.002293	0.089536	-0.014354	0.01566	0.054998	-0.05273	-0.031528	-0.06008	-0.063295	-0.048659	0.001108	0.005172
28	0.058363	0.000289	0.040338	-0.157509	0.025834	0.008016	-0.048995	-0.006925	0.037048	0.021976	0.038741	-0.11759	0.014343	0.010834
29	-0.034505	-0.013766	0.045204	0.007314	-0.014242	-0.013167	0.003213	-0.008329	-0.011593	0.019506	-0.008583	-0.026923	-0.001878	-0.016959
30	0.069675	-0.02281	-0.051113	-0.050371	-0.089395	-0.120292	-0.064319	0.041487	0.040519	0.028676	0.080369	-0.007491	-0.043159	-0.107028
31	0.103606	0.007024	-0.086474	0.004452	0.103743	0.152402	0.134764	0.054029	0.004772	-0.008033	0.022717	0.162387	-0.082459	-0.005972
32	-0.08982	-0.06706	-0.016543	-0.009051	0.000315	0.022208	0.014266	0.009451	0.010086	-0.025863	0.018956	0.033357	0.105533	-0.054657
33	-0.033132	-0.096134	0.0297	0.033997	0.057326	0.028974	0.0177	-0.008485	-0.038629	-0.026013	0.128889	0.105348	-0.014823	0.081968
34	0.142076	-0.0746	-0.011142	0.009425	-0.004816	-0.013668	-0.053608	-0.021221	0.045583	-0.000809	0.051643	0.042224	-0.19235	0.030224
35	0.081597	-0.108861	-0.068067	0.057831	-0.043679	-0.025113	-0.045444	-0.014302	-0.048298	-0.064126	-0.04797	0.009616	0.061805	0.027924
36	0.001806	0.013768	-0.000953	-0.007396	0.096381	0.128565	0.053227	0.06053	-0.005332	0.041929	0.097428	0.051086	0.064379	-0.00013
37	-0.049597	-0.049379	0.0777	-0.038799	-0.043239	-0.043079	-0.090094	0.082234	-0.009756	-0.028506	-0.085995	-0.022242	0.203979	0.035677
38	-0.055706	0.093981	-0.018964	-0.018101	0.036283	0.024952	-0.006217	0.052434	0.002988	0.035316	0.012421	-0.02574	0.087258	-0.068837
39	-0.061433	0.069368	0.013412	0.039899	-0.01155	0.025958	0.002052	0.017908	-0.044154	0.005178	-0.002725	0.027671	0.088217	0.010028
40	0.006965	-0.006211	0.010554	0.0119	-0.00629	-0.00404	0.007894	0.014072	-0.000336	0.018752	-0.002707	0.009538	0.007604	-0.004108
41	0.15905	-0.018962	-0.037266	-0.050336	0.023505	0.030398	0.032038	0.088687	0.101838	0.091619	0.189129	0.051214	-0.10386	-0.009341

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
42	-0.064104	-0.178036	0.04964	-0.039733	0.057302	0.063701	0.060981	0.032703	-0.011299	0.017458	-0.016659	0.033129	-0.037272	-0.071247
43	-0.028006	0.093115	-0.095258	0.02336	-0.082377	-0.027618	-0.049883	-0.106626	-0.035519	-0.004402	-0.056115	-0.049409	0.080822	-0.034634
44	0.008279	0.072445	0.064937	-0.061012	-0.001288	-0.030698	0.013567	-0.000993	-0.107818	-0.045952	0.001883	0.056429	0.103895	-0.058295
45	-0.1653	0.019868	-0.035866	0.084924	0.016963	0.003006	-0.043789	0.013401	0.015606	-0.005686	-0.069401	-0.002223	-0.006903	0.029151
46	0.102081	-0.080452	0.006405	-0.017876	0.002868	0.038333	0.022134	0.045374	0.006954	-0.007565	0.021113	-0.048613	-0.047379	0.002824
47	-0.153266	-0.109721	-0.074925	-0.096509	0.014059	0.023085	0.021877	0.009877	-0.025387	-0.025268	0.103117	-0.007247	-0.030409	0.111046
48	0.109139	0.072148	0.01753	-0.075305	-0.00557	-0.007565	-0.039812	-0.001046	0.037688	-0.02455	0.01677	0.012211	-0.028998	0.070871
49	0.146857	0.055805	0.024126	0.031679	0.006177	0.035291	0.047123	-0.001886	0.029342	0.082669	0.150617	0.052018	0.050507	0.144278
50	0.134062	0.079444	-0.010493	-0.021999	0.021051	0.026077	-0.00701	0.026043	0.017018	0.000031	0.014104	0.014053	-0.02368	0.016142
51	-0.016567	0.166155	0.016532	-0.027752	0.023096	0.07589	0.043752	-0.014309	-0.019382	0.000598	0.012385	0.001187	0.010698	-0.0246
52	-0.047112	0.118884	-0.120304	0.008029	0.056447	0.127855	0.047426	0.058653	0.051943	0.015255	-0.006675	-0.022635	0.010791	-0.001388
53	0.060053	-0.036908	0.099008	-0.034011	0.012103	0.022671	-0.003542	0.009143	0.026211	0.011424	-0.035547	-0.05895	0.02538	0.029243
54	-0.093952	0.064452	0.102708	0.002645	-0.016293	0.005111	0.05761	-0.002886	-0.001822	-0.029297	-0.030171	-0.003017	-0.057268	-0.009768
55	0.081964	0.049129	0.005269	0.041954	0.008506	0.001021	0.031698	-0.028725	0.026788	0.009716	0.059136	0.003986	0.020569	0.022724
56	-0.199499	-0.027273	0.002983	-0.013627	-0.014156	-0.008428	0.007241	-0.026739	-0.040767	-0.054253	-0.018087	0.107985	-0.159016	0.00083
57	-0.093522	-0.016989	0.024518	-0.022823	0.051001	0.032664	0.120024	-0.003604	0.007615	-0.055414	-0.055108	-0.018579	0.101443	0.1019
58	0.011898	-0.020395	-0.092649	0.10272	0.002519	0.0111	0.001165	0.038415	0.102692	0.082351	-0.040286	-0.002245	-0.03753	0.049512
59	-0.049794	-0.034645	-0.01909	0.069752	0.062568	0.104371	-0.042301	-0.008567	0.036252	0.082973	0.070202	-0.011954	0.041415	-0.01649
60	-0.061431	-0.022139	0.000201	0.019329	0.030829	0.013631	0.023517	0.023443	-0.002546	-0.011012	0.007464	-0.005448	-0.01678	0.000137
61	0.01149	-0.010388	0.009943	0.017005	0.007267	-0.004674	0.026856	0.013005	0.007011	-0.002285	-0.002873	0.017536	0.012188	-0.004762
62	-0.004496	-0.02415	-0.02896	-0.012348	0.020777	0.024774	0.002556	0.029432	0.010225	-0.00514	0.029812	0.02101	-0.021126	0.005861
63	0.017968	0.01167	0.027398	-0.034407	-0.008143	-0.019925	0.01713	-0.001269	-0.012929	-0.013651	0.008173	0.003408	0.007653	-0.006113
64	0.034588	-0.004067	-0.010041	0.005288	-0.039612	-0.028061	-0.002951	-0.018305	0.001367	-0.014348	-0.002846	0.000277	0.015015	0.02666
65	-0.029314	0.03051	0.011664	0.019831	0.016869	0.014615	0.013855	0.011636	-0.005664	0.009645	0.012331	0.011113	-0.017173	0.001082
66	-0.046407	-0.015448	0.012777	0.016453	-0.008989	-0.016763	0.009539	0.016099	-0.008923	-0.006583	-0.009864	-0.000233	0.034263	-0.0345
67	0.020177	0.025467	-0.006212	-0.032214	-0.007558	-0.034454	0.00505	0.014188	-0.003428	-0.000266	0.002191	0.003642	-0.013068	-0.031343
68	0.010972	0.036917	-0.035942	-0.03617	0.018789	0.003811	-0.006998	0.006415	-0.020015	-0.031121	-0.007087	-0.024528	-0.036967	0.012544
69	-0.02131	0.016742	-0.008174	0.007101	0.019647	0.017295	0.003083	0.011125	0.015408	0.00388	-0.002336	0.031983	0.000629	0.00469
70	-0.021101	0.014506	0.019887	-0.000525	0.020702	0.003374	-0.00215	0.020261	0.008036	-0.008892	-0.039267	0.001933	-0.008521	0.001121
71	-0.010682	0.021224	-0.000166	0.005122	-0.02535	-0.021987	-0.022105	-0.010854	-0.016259	-0.003938	0.017022	-0.004669	0.013234	-0.00894
72	-0.011911	0.032701	-0.015524	-0.001356	0.004661	0.004336	0.002159	-0.017334	-0.008548	0.00894	0.046577	-0.000932	0.007304	0.005218
73	0.01342	0.000813	0.00003	-0.027544	0.001196	0.009348	-0.012827	0.008679	-0.007261	-0.016224	0.00295	0.012627	-0.042464	-0.018344
74	0.021177	-0.010987	-0.017518	0.025091	-0.000419	0.006725	-0.00474	-0.02341	-0.024749	0.004615	0.037633	-0.022802	-0.005026	0.014266
75	0.002749	0.008898	0.013685	-0.007211	0.009446	0.004649	0.001699	0.018336	-0.003301	-0.005816	0.008448	0.006148	-0.006735	0.00133
76	-0.008541	0.02439	0.020546	0.006956	-0.001376	-0.009941	0.002749	0.004022	0.005021	0.001178	-0.020302	-0.0151	0.014485	0.005683
77	-0.005659	0.019126	0.018439	-0.001834	0.008358	0.00136	-0.003657	0.014102	-0.005158	-0.006281	-0.003754	0.011809	-0.002535	-0.006987
78	0.023601	0.016419	0.016703	0.00067	0.009236	0.005894	-0.011593	0.015339	0.0029	-0.008359	-0.00038	0.008617	-0.009423	-0.007626
79	-0.002433	-0.002698	0.016861	0.000544	0.019223	0.02409	0.015661	0.024053	0.001421	-0.006251	-0.010831	-0.006878	0.014004	0.029377
80	-0.038004	-0.016679	-0.004379	0.043179	-0.037775	-0.029299	-0.011137	-0.014535	0.021442	-0.000133	-0.013133	0.007569	-0.020363	-0.033518
81	-0.043406	0.006425	-0.003719	0.006796	-0.002862	-0.010301	0.004887	-0.028249	-0.016644	0.006293	-0.018743	-0.011107	0.038184	-0.000229
82	-0.003415	0.025243	-0.016708	0.023352	0.000453	-0.001492	-0.009129	0.005462	0.011084	-0.00394	-0.018985	-0.039198	0.023679	0.005394

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
83	0.017872	0.022758	0.004032	0.010818	-0.008639	-0.00922	-0.010818	-0.000968	0.008363	-0.005432	-0.00957	-0.028328	0.022172	0.0086
84	0.009985	0.012597	0.003376	0.024182	-0.010802	-0.00374	-0.007482	-0.002314	0.007447	-0.000676	-0.009729	-0.013085	-0.004368	-0.005773
85	0.002909	-0.003702	0.030055	-0.011153	0.015492	0.012821	0.027246	0.00164	-0.009082	0.013808	0.012486	0.025161	0.099503	0.056088
86	-0.033585	0.005806	-0.020091	0.004627	-0.007881	-0.011088	-0.002629	-0.006603	-0.005592	0.002037	0.027065	0.020816	0.008081	-0.002665
87	-0.01801	0.013031	-0.011453	0.006013	-0.00478	0.000828	0.022534	0.010438	0.010409	0.003874	0.009347	0.000961	-0.002373	-0.010962
88	0.009161	-0.001807	0.006941	0.011856	-0.01743	-0.014847	-0.024345	0.000895	0.014452	-0.004511	-0.017111	-0.019412	-0.000071	-0.00809
89	0.036837	0.016612	-0.005269	0.016389	-0.007443	-0.002842	-0.021913	-0.001464	0.014845	-0.005787	-0.005241	-0.018039	-0.004423	0.001559
90	0.021026	0.02349	-0.015915	0.019929	-0.01067	-0.00943	-0.007318	-0.005987	0.007389	-0.005868	0.002946	-0.013383	-0.00757	0.005885
91	0.021623	0.01654	-0.030869	0.027045	-0.006932	-0.00388	-0.004005	-0.009007	0.001208	-0.013584	0.000457	-0.003047	-0.008238	0.017536
92	0.025944	0.008944	-0.026227	0.024531	0.008671	0.015871	-0.000618	0.013468	0.019255	0.009045	-0.026372	0.012576	0.002985	-0.024855
93	0.02298	0.043577	0.004488	0.006692	-0.006365	-0.01915	-0.000476	-0.006369	0.001028	-0.01632	0.000387	0.00193	0.014041	0.010344
94	-0.003384	-0.036455	-0.003184	-0.005082	-0.006331	-0.025126	-0.019827	0.007053	0.001458	-0.007079	-0.006034	-0.02384	0.020782	-0.015641
95	-0.008527	-0.009598	-0.041462	-0.010418	0.01523	0.020456	0.009127	-0.022968	-0.024228	-0.023924	-0.016684	-0.022996	-0.035268	0.000852
96	-0.069522	-0.060991	0.036098	-0.025354	0.005547	-0.000098	-0.000257	0.013196	0.007935	0.009635	-0.01028	-0.046013	0.015508	0.026314
97	0.017849	-0.002659	0.019357	-0.001838	0.000864	-0.002305	0.025001	-0.004966	0.011851	0.002661	0.007978	-0.009451	0.019473	0.011951
98	0.010513	-0.008617	-0.021886	-0.000064	-0.027457	-0.024395	-0.010504	0.002482	0.007369	0.018399	0.015398	-0.013772	0.013307	-0.041277
99	-0.01665	0.006587	0.000532	-0.006101	0.018074	0.019311	0.015151	0.004225	0.002804	0.015447	0.018945	-0.002329	0.00395	0.012117
100	0.033301	0.014794	-0.002817	-0.02929	0.012718	0.014593	-0.003963	0.011367	0.022201	0.033358	0.029399	-0.031552	0.008678	-0.020643
101	0.037865	-0.013831	-0.013712	0.015314	-0.041619	-0.048956	-0.016649	-0.000031	0.006818	0.010908	0.015986	-0.008181	0.00813	-0.032527
102	-0.012276	0.039417	0.026233	-0.026226	0.028693	0.033874	0.040056	-0.028726	-0.041274	-0.035295	-0.03537	-0.011377	0.000181	-0.000297
103	0.03874	-0.009105	-0.011135	-0.003767	-0.014886	-0.007072	0.007524	-0.033887	-0.029882	-0.012484	-0.023874	-0.000261	-0.03897	-0.027254
104	-0.009225	0.024651	-0.037302	0.033657	0.000881	0.027563	0.018139	-0.015407	-0.00357	-0.000635	0.015105	0.020542	-0.044628	-0.004656
105	-0.023304	0.004504	0.028413	-0.013946	-0.010403	0.006266	-0.052487	0.02575	0.014183	0.039134	0.006063	-0.006329	0.00658	-0.02419
106	0.005312	-0.020237	-0.001324	-0.007567	-0.008562	-0.005413	0.020084	-0.009915	-0.014828	-0.033157	-0.034129	0.003756	-0.024209	-0.031238
107	-0.007956	0.01965	0.026439	-0.021551	-0.009345	-0.017459	-0.020669	0.005583	0.022065	0.009623	0.004639	-0.027592	0.011641	-0.026419
108	0.046987	-0.038658	-0.019304	0.028964	-0.010095	-0.00385	-0.0128	-0.015068	0.014526	-0.006085	0.000226	-0.02081	-0.012517	0.02933
109	-0.015283	-0.069164	-0.036982	0.02937	0.020785	0.034238	0.020023	0.003206	-0.010645	-0.012908	0.009579	0.003629	-0.001346	0.028023
110	0.058907	0.009648	0.010129	0.027757	0.001746	0.003946	0.018112	0.01715	0.01021	-0.010011	0.015852	0.032038	0.016456	0.00274
111	-0.026326	0.002854	-0.013398	0.053904	0.01485	0.037999	0.009663	0.015682	0.002496	-0.001825	0.000506	-0.044897	0.002483	0.008444
112	0.00575	-0.019422	0.043345	-0.009557	-0.016914	-0.019402	-0.014974	-0.014505	0.013704	0.010098	-0.03786	0.015636	0.003033	-0.004811
113	-0.004473	-0.050025	-0.069611	0.0179	0.014281	0.033985	0.02594	0.005412	-0.00302	-0.024872	-0.053499	-0.011799	0.019593	0.00126
114	0.044425	-0.03289	-0.020033	0.005184	-0.031687	-0.045716	-0.032545	-0.044104	-0.011534	-0.006337	-0.002937	0.044416	0.021056	0.050691
115	-0.000233	0.041163	-0.028773	-0.016039	0.002685	-0.001396	-0.001579	-0.014207	-0.037468	-0.025815	-0.00434	0.007426	-0.032674	0.004456
116	0.059848	0.022054	0.029128	0.027712	-0.002094	-0.013207	-0.01222	0.0002	0.017656	0.008657	0.016918	-0.029099	0.012297	0.021665
117	-0.018931	-0.028822	0.025514	0.02997	-0.015504	0.002664	0.008549	-0.017494	0.014728	0.059426	-0.016986	-0.02427	-0.011647	0.025504
118	-0.03928	0.019619	-0.029683	-0.039494	0.014641	0.029156	-0.002073	0.015005	0.021132	0.037441	0.000674	0.002756	0.019386	0.008414
119	-0.0151	-0.034457	-0.028811	-0.015662	-0.002162	-0.006017	-0.009599	-0.021186	0.018894	0.010305	0.003254	-0.006615	-0.044535	0.002763
120	0.025723	0.000604	-0.006509	0.017389	-0.027468	-0.005024	-0.019237	-0.040501	-0.008701	0.001655	-0.032428	-0.030933	-0.029623	0.007257
121	-0.029663	0.03903	-0.000444	-0.015186	0.006992	0.019436	-0.038198	0.000409	-0.02833	0.008426	0.018056	0.005224	0.010869	0.009628
122	-0.014889	-0.004801	0.006948	-0.010802	0.010043	0.01331	0.009112	0.011054	0.000411	0.005866	-0.03675	0.012086	0.040123	-0.000113
123	0.001958	0.012731	-0.018268	0.005424	0.005729	0.009628	-0.027967	0.000822	0.0043	0.020446	-0.017669	-0.000559	0.045248	-0.001884

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
124	0.017094	-0.054532	-0.004331	-0.011311	-0.005798	-0.011578	-0.009808	-0.012311	0.028787	0.016287	-0.00784	-0.011875	-0.029641	-0.00165
125	-0.047404	0.019125	-0.022394	0.013307	-0.009134	0.021574	0.015414	-0.020906	-0.029131	-0.012479	-0.034956	-0.002186	0.039722	-0.004401
126	-0.038082	0.013796	-0.009068	0.007199	0.009965	0.022713	-0.019697	0.011144	-0.015018	0.022039	-0.002611	0.027531	-0.0005	-0.029194
127	-0.019811	0.037174	-0.010954	-0.023395	-0.002283	0.00375	-0.005307	0.004938	-0.015743	0.004786	-0.022061	0.009265	-0.001694	-0.025523
128	-0.02833	0.013253	-0.027085	-0.007432	0.003612	0.006548	-0.009688	-0.013708	-0.005904	-0.001727	0.00742	-0.007985	0.000163	-0.015692
129	-0.070261	-0.042329	0.008101	-0.004079	-0.003745	-0.003701	0.000554	-0.008302	-0.032039	-0.004223	-0.013772	0.067459	0.073982	-0.021696
130	0.008405	-0.020969	-0.019391	-0.04563	-0.034143	-0.055237	-0.044999	-0.01978	-0.02551	-0.047945	-0.039605	-0.028794	-0.051543	-0.011192
131	0.002265	0.009382	0.041264	-0.021549	-0.016065	-0.032944	-0.029627	0.029857	0.034538	0.029846	0.004289	-0.051535	0.027203	0.014214
132	0.00598	0.021504	-0.035667	0.022706	-0.026746	-0.011772	-0.036983	-0.020098	0.021066	0.006415	-0.003373	-0.037513	0.021465	-0.000045
133	-0.061949	-0.024765	-0.032574	-0.018828	-0.006131	-0.004181	0.01278	-0.005724	-0.017113	0.011713	0.048013	-0.0356	0.000091	-0.021909
134	0.017753	0.047014	0.022493	0.019648	0.018946	0.002465	0.015913	0.013214	0.010901	0.014814	0.001051	0.050508	-0.014475	0.015204
135	-0.013896	-0.006636	-0.023872	0.011961	-0.012235	0.002088	-0.009334	-0.019424	0.004169	-0.001473	-0.00516	-0.011784	-0.009461	-0.003887
136	-0.016345	-0.010519	-0.050197	0.000387	0.01663	0.009716	0.014391	0.018044	0.008736	0.011726	0.006978	-0.028426	0.003117	0.019376
137	0.015996	0.020966	-0.032844	-0.029577	0.005736	0.014143	0.0099	-0.006401	-0.021596	-0.011758	-0.021332	-0.003209	0.035885	-0.055792
138	0.005598	-0.077748	0.009877	-0.012053	-0.01557	-0.030693	-0.012989	0.011941	0.025794	0.006962	0.034779	-0.019247	-0.02475	0.011587
139	0.01394	0.027218	-0.031816	0.033319	-0.01788	-0.015706	-0.037668	-0.028222	-0.035919	-0.025229	-0.044514	-0.018272	0.003718	-0.049703
140	0.014866	-0.014074	-0.026037	0.02396	0.009539	0.004023	0.006197	0.020826	0.028578	0.023688	0.048162	0.05602	0.005824	0.007433
141	-0.005775	-0.003473	-0.01269	-0.026233	-0.002766	-0.005152	-0.039852	-0.002215	0.012097	0.007232	0.010359	-0.012616	0.000876	-0.015349
142	0.028699	-0.067973	0.002863	-0.015748	-0.001863	0.002734	0.007881	0.015818	0.008789	0.017828	0.022509	0.033964	0.044907	0.036066
143	-0.002045	0.007214	-0.027949	-0.006368	-0.011773	-0.00654	0.000306	0.003931	0.014246	0.005557	0.004043	0.00383	0.053239	0.015472
144	-0.033641	-0.044783	-0.049136	-0.006057	0.006554	-0.005068	0.005065	0.000333	0.013145	-0.006291	0.019896	0.019595	-0.013174	0.009897
145	-0.022674	0.013204	-0.073217	0.012145	-0.012413	-0.013619	0.022448	-0.010904	-0.006096	-0.011236	-0.014851	0.028278	0.035134	0.010732
146	-0.014002	0.011282	-0.021582	0.012271	-0.019785	-0.006305	-0.010589	-0.021129	0.003343	0.000988	-0.018505	-0.018068	0.006964	-0.007298
147	0.078254	0.011068	-0.009334	0.003126	-0.016567	-0.007629	-0.004338	-0.011284	0.009636	0.013357	0.006254	0.018094	-0.028574	-0.009615
148	-0.023523	-0.057174	0.003968	0.007442	0.007545	0.001116	0.032899	0.004689	-0.010571	-0.000662	-0.018643	-0.015848	-0.002389	-0.027386
149	-0.055808	0.018613	-0.021748	-0.010016	-0.002368	0.003875	-0.011045	-0.006793	-0.022381	-0.010472	-0.022478	-0.006415	0.041405	0.009696
150	0.06685	0.025889	-0.014599	0.016309	-0.022662	-0.002391	0.002316	-0.02235	0.005363	0.004949	-0.050554	0.002435	0.005967	-0.019321
151	-0.032554	-0.013526	0.00984	0.015937	0.029066	0.029147	0.035149	-0.03405	-0.001655	0.003916	-0.028339	0.043521	-0.05193	-0.011997
152	-0.053604	0.02342	0.002411	-0.013766	0.006469	0.004747	-0.010593	0.010009	-0.005281	0.009831	-0.012556	0.007942	0.030676	0.007831
153	-0.024596	-0.00333	0.009723	-0.007077	0.001023	0.003403	-0.017713	0.000884	-0.009525	0.00258	0.000286	0.023809	0.009714	0.011728
154	0.004861	-0.00946	-0.006231	0.009275	0.011574	0.011535	0.01767	0.020321	0.003402	-0.005121	0.020579	0.008985	0.001857	0.030539
155	-0.100594	0.022281	-0.041675	0.03555	-0.016674	-0.005545	-0.010804	-0.014627	-0.017731	-0.028401	-0.028507	-0.003844	0.011466	0.008347
156	-0.012234	0.024259	-0.043629	-0.01201	-0.000464	-0.005797	-0.006007	-0.004473	0.008635	0.00678	0.036797	-0.051837	-0.030988	0.025857
157	-0.009219	-0.013543	-0.022735	0.022931	-0.010594	0.009423	0.009904	-0.016326	0.006224	0.014348	-0.010261	-0.010252	0.008009	-0.009878
158	0.034197	-0.00657	-0.018641	0.016716	0.009204	0.011764	-0.000263	-0.030658	-0.020139	-0.037228	0.017664	-0.025421	-0.06187	0.000686
159	0.073279	-0.003076	-0.00049	0.014662	0.014334	0.019051	0.007846	-0.001905	0.008847	0.020394	0.027052	0.033384	-0.000956	-0.026202
160	-0.054815	-0.055139	0.044776	-0.022084	0.031067	0.026986	0.040153	0.012366	-0.021089	0.008766	-0.028148	0.040461	0.02071	-0.004735
161	-0.025818	0.025542	0.027431	0.015054	-0.008042	-0.011833	-0.032383	-0.02562	-0.016573	-0.030399	-0.033342	-0.018179	0.012211	-0.013289
162	0.017663	-0.013022	-0.011552	-0.022964	-0.00672	-0.016288	0.001025	0.002224	0.002209	0.005822	-0.00671	0.002279	0.028336	0.001037
163	-0.005877	0.018321	0.003232	-0.037338	0.002456	0.011591	0.018476	0.005108	0.00162	0.001841	-0.018671	-0.000295	0.034003	-0.002421
164	-0.030123	-0.061358	-0.055076	-0.038344	0.024084	0.021877	0.033164	0.014079	0.020402	0.016121	-0.003017	0.007126	-0.022756	0.005007

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
165	0.607301	-0.030886	-0.0076	0.020956	0.009521	0.007546	0.00926	-0.013715	-0.063621	-0.012159	-0.057839	-0.031834	0.055129	-0.020453
166	-0.035427	0.712257	0.000819	0.052996	-0.007415	-0.015559	0.010838	-0.00649	0.015353	0.012205	0.009667	0.0063	-0.043694	0.025736
167	-0.010744	-0.006729	0.832004	0.023159	-0.006505	0.011914	-0.003115	-0.005977	0.007056	-0.010909	0.025946	-0.008207	-0.036625	-0.01249
168	0.02399	0.047049	0.027634	0.833863	0.004068	-0.00189	-0.022328	-0.003151	-0.017549	-0.035101	-0.00476	-0.01047	0.007345	-0.005917
169	0.011023	-0.007497	-0.000386	-0.002008	0.91021	-0.092171	-0.062838	-0.040231	-0.008292	-0.021929	-0.051312	-0.042122	0.001508	-0.016108
170	0.005172	-0.013587	0.028814	-0.014812	-0.093673	0.868533	-0.075401	-0.036921	-0.011513	-0.023678	-0.043651	-0.045711	-0.000727	-0.011401
171	-0.007119	0.007634	0.007573	-0.024027	-0.065148	-0.073391	0.889806	-0.02528	-0.004462	-0.007906	-0.026654	-0.040969	0.011304	-0.020243
172	-0.017978	-0.005738	-0.004445	0.010505	-0.027674	-0.018873	-0.015684	0.90691	-0.048831	-0.044756	-0.065037	-0.02648	-0.021349	0.001533
173	-0.057443	0.01757	0.016276	-0.017486	-0.000759	0.004858	-0.001566	-0.050839	0.894947	-0.073652	-0.055596	0.005703	0.02731	-0.009208
174	-0.005314	0.016789	-0.000903	-0.02392	-0.009141	-0.005511	-0.006242	-0.049845	-0.074831	0.873662	-0.095852	-0.002652	-0.013161	-0.000449
175	-0.05615	0.021716	0.014584	0.015472	-0.022748	-0.017813	-0.010097	-0.052418	-0.043557	-0.082356	0.771428	-0.053895	0.02791	-0.025545
176	-0.026368	0.022023	-0.009116	-0.019194	-0.027513	-0.037327	-0.046024	-0.02475	0.006437	0.000839	-0.036572	0.848243	0.020594	-0.009312
177	0.060207	-0.012213	-0.04309	-0.003201	-0.00471	-0.000762	-0.003946	-0.034074	0.008236	-0.032181	0.029671	0.018684	0.734474	-0.025034
178	-0.007527	0.015892	-0.010807	-0.007806	-0.025034	-0.018611	-0.019835	-0.006544	-0.016126	-0.003	-0.026082	-0.00088	-0.028418	0.880842
179	0.008706	-0.009018	-0.015238	-0.013036	-0.029766	-0.025486	-0.022592	0.007049	0.014517	0.018321	0.018013	-0.002665	-0.012396	-0.045589
180	0.010938	-0.014467	-0.004695	-0.008353	-0.028422	-0.029665	-0.022267	0.006503	-0.001942	0.010155	0.017812	-0.002243	-0.002266	-0.05078
181	0.011461	-0.011842	-0.007086	0.001138	-0.029749	-0.033591	-0.020246	0.001175	0.001576	0.01198	0.019425	-0.007558	-0.008161	-0.046437
182	0.017057	-0.000018	0.011189	-0.020252	-0.005567	-0.019647	-0.014126	-0.00052	0.005811	0.020509	0.02785	-0.016387	-0.021096	-0.03548
183	0.000001	0.017601	-0.007984	-0.011931	0.00719	0.014837	-0.037767	0.01194	0.02498	0.036047	0.035677	-0.010746	-0.008117	-0.02893
184	-0.004554	-0.002661	0.002506	0.001038	0.010736	0.01958	-0.035093	-0.008013	-0.00188	-0.002936	0.024033	-0.003819	0.053255	-0.004164
185	0.002811	-0.005418	0.029484	-0.012788	-0.000421	0.012537	0.019736	-0.02555	-0.006753	-0.022649	-0.029972	-0.005213	0.000145	0.007369
186	-0.008646	-0.035436	0.021474	-0.008102	0.030017	0.027244	-0.002844	-0.014604	-0.016758	-0.022106	-0.004891	0.018959	0.004695	0.024216
187	-0.006517	0.01263	0.016006	-0.008348	0.019749	0.023117	0.033747	-0.0198	-0.045202	-0.025478	0.002078	0.019752	0.001989	-0.001072
188	0.008341	0.017582	0.01614	-0.018793	0.014061	0.008713	0.024582	-0.025715	-0.039566	-0.067043	-0.024521	0.002469	-0.011325	0.009589
189	0.073585	0.019075	0.021403	-0.008515	-0.000186	-0.001819	0.008022	-0.01531	-0.001518	-0.048695	-0.068896	-0.038673	0.015124	0.013712
190	0.003207	-0.01256	-0.028599	0.017089	-0.007102	-0.011545	-0.013993	0.001747	0.017562	0.016233	0.000367	-0.030217	0.016988	-0.000848
191	-0.002245	-0.009731	-0.016279	0.020263	-0.018053	-0.012203	-0.014223	-0.001959	0.021726	0.024175	0.026257	-0.006348	-0.010597	0.008976
192	0.020441	0.040024	0.001244	-0.057939	0.017214	0.019519	0.006657	0.006735	0.010767	0.003691	0.025178	0.03642	-0.020151	-0.010971
193	0.002798	0.017878	0.026962	-0.043866	0.022631	0.014685	0.006298	-0.015434	-0.022406	-0.024087	-0.016815	-0.011167	0.012359	0.00317
194	-0.019852	0.016984	0.017272	-0.017044	-0.009646	0.003353	0.002387	-0.038869	-0.025709	-0.027937	-0.075308	-0.027333	0.026917	-0.008211
195	0.001921	-0.026384	-0.006526	0.044033	0.014098	0.016328	0.030288	-0.032914	-0.009349	0.005121	0.006824	-0.007446	0.022461	0.028106
196	0.023292	-0.022252	-0.012045	0.032194	-0.001332	-0.004661	0.014607	-0.024066	0.003048	-0.007548	-0.029435	-0.008967	0.005564	0.005802
197	-0.008422	0.022168	-0.026319	0.003396	-0.00389	-0.012506	-0.008162	-0.003917	0.020274	0.017126	0.013998	-0.028939	0.005861	0.025554
198	-0.028253	-0.001769	0.017415	0.011601	0.005206	-0.002485	0.004974	-0.052311	-0.004127	0.01028	-0.02299	-0.023093	-0.04478	-0.017897
199	0.010665	-0.030482	-0.045497	-0.035476	-0.028694	-0.003214	-0.008176	-0.008296	-0.005928	-0.026395	-0.044101	-0.015403	0.030331	-0.01792
200	-0.036436	-0.031388	-0.027461	0.013169	0.020957	0.033863	0.003938	-0.042091	-0.003385	0.008342	0.001987	0.024398	-0.06047	-0.039599
201	-0.044499	0.058435	0.013224	-0.020918	-0.012056	-0.007349	-0.026648	0.032243	0.011115	0.039488	0.052933	-0.056491	0.031288	-0.023521
202	-0.089152	-0.017965	0.007185	-0.002434	0.013435	0.00522	0.007711	-0.046038	-0.033446	-0.003115	-0.028274	0.008396	-0.015072	-0.019616
203	-0.014205	0.025884	-0.014031	-0.009371	-0.022907	-0.019321	-0.00626	-0.011496	0.005568	0.014168	0.000109	0.010243	-0.031117	-0.010061
204	-0.056942	0.008009	-0.018166	0.013103	0.004093	0.009059	-0.004239	-0.027841	-0.010607	0.025254	0.031461	-0.03043	0.028066	0.006097
205	-0.026812	-0.019933	-0.023348	0.007692	0.038315	0.060821	0.051626	0.010447	0.002554	0.033015	0.014598	-0.006288	0.055349	-0.005018

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
206	0.057109	0.012589	-0.040392	0.005705	0.003244	0.008991	0.012154	0.003126	0.010028	0.004904	0.028334	0.023602	-0.001502	0.02276
207	-0.021503	0.031372	-0.06244	-0.036807	0.015288	0.015926	0.011602	-0.001721	0.004604	-0.007195	-0.026871	-0.039465	-0.046089	-0.025062
208	-0.063265	0.00233	-0.024643	0.023268	-0.028487	-0.040072	-0.010782	-0.016028	-0.000231	0.002929	0.004313	-0.015377	-0.023412	0.037484
209	-0.021663	-0.053487	0.039769	-0.014462	-0.002179	-0.005448	-0.003137	-0.039104	-0.029216	-0.011946	0.00018	-0.023648	0.003567	0.003957
210	0.020676	0.01219	-0.009131	0.046735	0.004345	0.038473	0.00206	0.007345	0.017989	0.031364	-0.02769	-0.031868	-0.047495	-0.041512
211	0.007148	-0.008316	-0.013562	0.034348	-0.003824	0.011097	0.002535	-0.018717	-0.040276	0.002828	0.037971	0.042805	0.000545	-0.012819
212	0.025275	-0.048245	0.002614	0.033364	-0.008472	-0.022858	0.009043	-0.016463	0.013767	0.012512	0.016408	-0.011645	0.015205	0.027221
213	-0.000845	-0.027496	0.009725	0.024506	0.020098	0.021822	0.022944	0.020736	0.026346	0.019825	0.002043	0.046886	-0.04376	-0.05194
214	0.040779	-0.009329	-0.002811	-0.008962	-0.015313	-0.008669	-0.02744	0.00857	0.013016	0.024846	0.027313	0.00006	0.012582	-0.033865
215	-0.010109	-0.022051	0.003983	0.000283	-0.023316	0.016085	-0.008809	0.002822	0.022554	0.015688	-0.004634	0.003204	-0.000989	-0.04518
216	0.024079	0.027397	-0.002109	-0.075172	-0.015678	-0.007555	-0.040975	0.000951	0.001975	-0.027517	-0.025725	-0.013992	-0.004869	-0.010483
217	0.036264	0.016166	-0.003615	-0.002681	-0.006773	0.013257	0.004466	-0.016104	0.023454	0.009382	-0.032586	-0.002466	0.002684	0.027028
218	0.019729	0.017772	0.015897	0.00383	-0.017061	-0.017527	-0.021344	-0.018224	-0.023839	-0.025573	-0.025964	-0.01647	0.034935	0.02404
219	0.03553	0.01252	-0.00053	-0.015057	-0.027234	-0.022682	-0.040125	-0.013262	-0.009712	-0.021021	-0.028394	-0.002548	0.016143	0.011514
220	0.035344	-0.006096	-0.002401	0.005979	-0.00899	0.003589	-0.006036	-0.011826	0.017485	-0.000353	-0.005842	-0.015948	-0.01037	0.020504
221	-0.021036	0.030091	0.007402	-0.002429	0.011278	0.02612	-0.005186	-0.00102	-0.037349	-0.003734	0.011273	0.002232	0.020689	0.00866
222	0.016648	0.033428	-0.000566	-0.020692	0.002636	0.008257	0.005745	0.000491	-0.024281	-0.008568	-0.004896	0.016855	0.003269	-0.003324
223	0.001243	0.026928	0.011139	-0.016369	-0.000389	0.00364	-0.011858	-0.007263	-0.039114	-0.021014	-0.033764	-0.008571	0.022131	-0.00412
224	-0.006326	-0.013262	-0.048312	-0.019543	-0.00779	0.013391	-0.016709	-0.015728	-0.009449	-0.026361	-0.009558	-0.010552	-0.031563	-0.017714
225	-0.01973	-0.004153	-0.056468	-0.013605	-0.011572	0.011515	-0.017544	-0.019543	-0.015337	-0.027095	-0.00796	0.000554	-0.030157	-0.015598
226	0.015104	-0.006657	0.021689	0.005871	0.005427	0.002202	0.001855	0.002175	0.01017	0.011119	-0.00615	-0.00159	0.008827	0.017303
227	0.06444	0.022751	-0.023338	-0.023085	-0.019089	0.003024	-0.010636	-0.003281	0.006508	-0.013207	-0.029228	0.011874	-0.043665	-0.024665
228	0.030076	0.031699	0.012032	-0.026226	0.008692	-0.001363	0.001725	0.000808	0.013075	0.013581	-0.023854	0.023201	0.054079	0.006296
229	0.031929	0.002248	-0.004902	-0.004223	-0.020447	-0.027689	0.009414	-0.011714	-0.001713	-0.001906	0.042258	0.021047	0.020974	0.001903
230	0.021763	0.003208	-0.015427	-0.064926	-0.008283	0.00436	0.004994	-0.004025	-0.007962	-0.022212	0.002126	0.015948	-0.020584	-0.035832
231	-0.011895	-0.03849	0.015717	0.00942	-0.004284	-0.000444	0.008203	-0.02553	-0.007844	0.015218	0.000909	-0.019636	0.022456	0.024216
232	-0.015961	-0.006907	0.010913	0.008592	0.018545	0.023999	0.020713	-0.000443	0.016964	-0.000363	-0.016214	-0.008485	0.017009	0.026553
233	-0.033551	0.038151	0.017541	0.011633	0.008605	0.014764	0.013018	0.007533	0.004635	-0.00268	-0.010843	0.027262	-0.028092	-0.025515
234	0.015225	0.0327	0.007249	-0.018959	-0.01456	-0.01882	-0.011543	0.004597	0.017611	0.008835	-0.026343	0.00677	0.008187	-0.018346
235	-0.011074	0.005343	-0.007007	0.002356	-0.014442	-0.00745	0.00632	-0.022605	0.007437	0.012238	-0.021024	0.000837	0.006601	-0.019143
236	-0.023781	-0.035652	-0.016563	0.010676	-0.000459	-0.001109	-0.006717	-0.000595	0.019612	0.008902	-0.021304	-0.058101	0.005203	0.014865
237	-0.013016	-0.011777	-0.015328	0.014455	0.003234	-0.008906	-0.000958	0.012066	0.010854	0.005875	0.0115	-0.00416	-0.021984	0.018406
238	-0.008058	0.01438	-0.010016	-0.004732	-0.004478	-0.004923	-0.007307	0.001861	0.004286	0.002806	-0.000751	0.015238	-0.000678	0.004437
239	-0.018637	0.026024	0.002366	-0.006434	-0.000274	0.004358	0.001218	-0.002441	-0.004132	-0.001007	-0.019293	0.009761	0.021665	-0.012561
240	-0.055128	-0.017248	-0.013307	0.030556	-0.002153	-0.001177	0.00491	0.023713	-0.001946	0.008226	-0.014861	0.018272	0.021563	-0.003725
241	-0.026778	0.00951	-0.008859	0.022749	0.00353	0.003729	-0.003505	0.026631	0.027363	0.007935	-0.00488	0.003824	-0.016764	-0.016114
242	-0.002194	0.001767	0.008205	0.000667	0.002762	0.002818	0.004045	-0.000501	0.010284	0.013536	-0.003822	-0.023417	-0.019878	-0.025533
243	0.035448	0.025756	0.02752	-0.01565	-0.002568	0.003274	0.005656	-0.007222	0.016419	0.011713	-0.018812	0.009641	-0.012189	-0.017406
244	-0.003459	0.019679	0.012493	0.002455	0.013102	0.023645	0.002802	0.007705	-0.006947	0.020684	0.04389	0.013005	-0.001048	-0.014994
245	0.016553	0.000698	-0.023461	-0.009164	-0.007486	-0.001045	-0.000199	-0.003131	0.003166	-0.031389	0.032477	0.006312	-0.024899	-0.008855
246	-0.010047	-0.002384	-0.006068	-0.007306	0.001386	-0.005694	0.004083	0.014603	-0.00634	-0.018304	0.006696	-0.001979	-0.012978	-0.017125

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
247	-0.009217	-0.003675	-0.021862	-0.003183	-0.000311	0.011645	0.003836	0.002046	-0.00313	-0.007585	-0.014544	-0.00808	0.006141	-0.019548
248	0.005557	-0.010401	-0.031035	0.01166	0.004441	0.023488	0.006778	-0.003016	0.012802	0.006377	-0.001001	-0.000291	0.008446	0.002683
249	-0.022343	0.010028	-0.001584	-0.005273	-0.00238	-0.020354	0.000442	0.011071	0.017017	0.011557	-0.002475	-0.007709	0.009545	0.020877
250	-0.027609	-0.003291	-0.010753	0.023171	0.000456	-0.002614	-0.012763	0.027932	0.003686	0.021278	-0.010424	-0.004833	0.011756	-0.01148
251	-0.03897	-0.007323	-0.028625	0.031256	0.002601	0.006123	-0.004529	0.019478	-0.001145	0.020169	0.000367	0.011351	-0.011901	-0.012573
252	0.026712	0.001236	-0.022268	0.01992	0.005794	0.015797	0.014722	-0.007285	0.035974	0.025152	0.019714	-0.008582	-0.030291	-0.003922
253	0.000038	0.019033	0.021073	0.001419	-0.008696	-0.012896	-0.018434	-0.010208	0.033487	0.013683	-0.011924	-0.01989	0.009935	0.001652
254	0.002426	0.007853	0.019658	-0.005624	-0.003802	-0.01234	-0.005339	-0.00403	-0.027286	-0.014522	-0.013001	0.003933	0.015662	-0.008457
255	-0.000142	0.010528	0.016133	-0.00596	0.001883	-0.001762	0.003172	0.00422	-0.017244	-0.005481	0.019366	0.009413	-0.008761	-0.012171
256	-0.010523	0.003293	0.001019	-0.024928	-0.000511	-0.009657	0.003189	-0.010505	0.006007	-0.046728	0.035223	-0.010913	-0.025157	0.023157
257	-0.010386	0.027964	-0.019313	-0.000919	-0.004892	-0.00506	0.007983	-0.008438	0.011997	0.010507	-0.009071	-0.013878	-0.015645	-0.004226
258	0.006676	0.010696	-0.036462	0.007291	-0.011043	0.003735	0.001641	-0.012745	0.00552	-0.008684	-0.024144	-0.027719	-0.011716	-0.008278
259	0.007759	0.009179	-0.016639	0.005855	0.00009	-0.006996	-0.007234	0.008416	-0.000723	0.013438	-0.005137	0.011509	-0.004493	-0.004911
260	0.018565	-0.02419	-0.040265	0.024582	0.008603	0.0107	0.011929	-0.000324	0.012728	0.031023	-0.002935	-0.003511	-0.004732	-0.01432
261	0.013585	-0.016628	-0.048067	0.028299	0.01414	0.015316	0.024199	0.008225	0.013239	0.021687	-0.00326	-0.003607	0.01156	0.012605
262	-0.010651	-0.025505	-0.023942	0.018342	0.011537	0.016522	0.021757	-0.010511	0.008104	0.011303	-0.016379	-0.018237	0.01116	-0.008265
263	-0.003255	-0.006924	-0.019398	0.010524	0.004132	0.009239	0.00902	-0.014574	0.01895	0.023665	-0.006494	-0.011046	0.00259	-0.008065
264	0.03029	0.005897	-0.005874	-0.022883	0.001338	-0.006277	-0.002453	0.011886	0.003151	0.003095	0.006273	0.00389	0.020748	0.0102
265	0.042	-0.022527	0.005814	-0.008978	0.011167	0.00234	0.009631	-0.000897	0.001201	-0.000395	-0.005169	-0.00559	0.045796	0.030599
266	0.03848	-0.014103	0.009327	-0.00313	0.016274	0.01003	0.01691	-0.001673	-0.000648	0.002322	0.020301	-0.005443	0.033293	0.033959
267	0.028482	-0.004723	0.030601	-0.003372	-0.013448	-0.026816	-0.026708	-0.005622	0.011027	-0.008243	0.004132	-0.010209	0.032095	0.013507
268	-0.001359	-0.00547	0.025575	0.010721	0.001174	0.001838	-0.006685	-0.002045	0.011496	0.01375	-0.010363	-0.003314	0.015378	0.008941
269	0.00446	-0.012329	0.02605	0.015168	0.004202	0.004112	-0.00052	0.000009	0.011759	0.017414	0.00224	-0.001658	-0.001724	0.014398
270	0.030173	-0.000472	0.015024	-0.000001	0.003123	0.003348	0.003128	-0.000132	0.009913	0.01025	-0.015136	0.003942	-0.010016	-0.001922
271	-0.005083	0.006254	-0.009436	-0.021325	0.01225	-0.010817	-0.019424	0.018523	0.014564	0.04212	0.069681	-0.015593	0.047408	-0.000936
272	0.010545	-0.026356	-0.01526	0.016282	-0.014082	-0.027732	0.007219	-0.010888	-0.000427	0.006402	0.032195	0.006604	0.036213	0.016063
273	-0.004184	-0.036679	-0.013914	0.026579	0.004004	0.015687	0.019457	-0.011216	0.002653	0.011182	-0.00145	0.011249	0.006726	-0.009191
274	0.003629	-0.039815	-0.011878	0.023095	0.006122	0.014932	0.022406	-0.007041	0.005921	0.014626	0.004714	0.012475	0.000979	-0.008663
275	0.059488	-0.007557	-0.029347	-0.048614	-0.00016	0.017671	0.015254	-0.003855	-0.00275	-0.009301	-0.0033	0.016274	-0.035582	-0.04119
276	-0.01014	-0.031528	-0.026818	0.015261	-0.012961	-0.020585	-0.006332	-0.001036	0.021036	0.002978	-0.020799	-0.060794	0.014424	0.017188
277	-0.011703	-0.022094	0.014279	0.014272	0.006989	-0.000765	0.008866	-0.000508	-0.015059	-0.009938	-0.013987	0.002563	0.017615	0.000009
278	-0.017878	-0.020987	0.015724	0.014873	0.017923	0.01102	0.011889	-0.001328	-0.019129	-0.005127	-0.007216	0.004812	0.012733	-0.00616
279	-0.001949	0.003943	0.009898	-0.014398	0.001238	-0.001626	0.000052	0.006633	-0.003553	-0.001585	-0.020708	0.021226	0.030298	-0.006103
280	0.01544	0.013636	0.045226	-0.02295	-0.005626	-0.013633	-0.004341	-0.00346	0.025143	-0.005629	-0.035561	-0.006443	-0.005586	0.000845
281	-0.000459	-0.027735	0.009122	-0.004862	0.00554	-0.000756	0.006541	0.012208	-0.008617	-0.018413	0.013911	0.006888	-0.005156	-0.006304
282	-0.002623	-0.010899	0.011856	-0.013947	0.011246	0.007122	0.005097	0.006369	-0.01619	-0.020811	0.011991	0.002237	-0.019003	-0.025624
283	0.015491	-0.030165	-0.011275	-0.007902	0.01323	0.021655	0.002305	0.011779	0.004249	0.000684	-0.008214	0.004427	0.019318	-0.01233
284	-0.01613	0.002695	-0.018014	-0.003914	-0.000919	-0.00433	0.001717	-0.002377	0.011154	0.010377	0.00021	-0.0076	-0.003395	0.006404
285	-0.013637	0.024889	-0.006599	-0.010045	0.002781	-0.002559	0.000037	-0.001266	0.008713	0.014527	0.00152	-0.008353	-0.006602	-0.00813
286	0.020307	0.030115	-0.018331	-0.01632	-0.01332	-0.012238	-0.001947	-0.004959	0.004151	-0.006343	0.00459	-0.004145	-0.037518	-0.006948
287	0.025757	0.039064	-0.009807	-0.017168	-0.007908	-0.006018	-0.000023	-0.005075	0.003809	-0.003215	-0.001097	-0.004784	-0.034047	-0.016436

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
288	0.030488	-0.001379	-0.031906	-0.002678	0.008369	0.026361	0.004917	0.006968	0.010813	-0.006499	-0.012888	-0.0216	-0.010781	-0.002939
289	-0.012726	-0.027369	-0.00579	0.006207	0.01076	0.013025	0.018561	-0.011566	0.012142	0.015162	-0.017255	-0.033285	0.006754	-0.011221
290	-0.00334	0.010245	-0.000374	0.003235	0.02003	0.035488	0.006797	-0.009721	-0.007935	-0.011037	0.002428	0.009276	-0.031721	-0.01504
291	0.001706	0.00782	-0.001389	0.001597	0.018952	0.03342	0.00755	-0.009982	-0.009009	-0.012548	0.0024	0.010886	-0.031938	-0.013774
292	0.008535	0.024642	0.003775	-0.007068	0.015621	0.030425	0.01246	-0.0042	-0.009073	-0.011383	-0.00039	0.017435	-0.028054	-0.013179
293	-0.072767	0.012217	0.005555	0.005621	0.004417	0.010857	-0.009	-0.002692	-0.022521	-0.012615	-0.031814	-0.016966	0.000614	0.010498
294	0.017879	0.002672	0.017587	0.009101	0.010357	0.018185	0.008953	-0.001202	-0.006221	0.002439	-0.004926	0.003787	0.012818	0.005335
295	-0.044644	-0.026801	-0.001748	0.020181	0.00439	0.005484	0.012308	-0.005437	-0.009782	-0.000273	-0.009847	0.007566	0.002412	-0.005062
296	0.014181	-0.000863	0.009721	0.000635	0.009406	0.02154	0.037555	0.002941	-0.010473	-0.003686	-0.011846	0.027313	0.015442	-0.012944
297	-0.043988	-0.020392	-0.000777	0.031196	0.001146	0.002234	0.014027	-0.000346	-0.003301	0.000112	-0.008247	-0.010745	-0.00053	-0.001052
298	0.02194	0.010091	0.004136	0.010009	-0.001169	0.005123	-0.006391	-0.000053	-0.003385	-0.010533	-0.010614	0.006108	-0.004086	-0.002562
299	-0.052141	-0.018358	0.006301	0.03444	0.000765	0.002144	-0.000299	0.002919	0.00242	0.00376	-0.014791	-0.004171	-0.003332	0.025386
300	-0.032138	-0.007988	0.004621	-0.004329	-0.010644	-0.032203	-0.002496	0.000702	-0.01347	-0.022112	-0.059906	0.016959	0.03468	-0.046087
301	-0.052292	0.009838	0.001172	0.014212	0.007915	0.007249	-0.005693	0.000408	0.002843	0.011665	-0.013433	-0.006058	0.00489	0.008176
302	-0.01609	0.0103	0.000149	0.002202	0.006203	0.004667	0.005899	-0.002639	0.002554	0.004553	-0.026064	0.006455	-0.009537	-0.01255
303	0.003443	0.007797	0.006238	0.027598	0.001389	0.006205	0.021223	-0.001736	-0.001381	-0.008578	-0.028265	0.015094	-0.01445	0.013587
304	-0.007054	-0.003064	-0.004626	0.033471	0.000385	0.00759	0.005794	0.000117	0.007493	-0.014201	-0.044309	0.022387	-0.023943	0.011678
305	-0.028079	0.061441	0.00056	-0.026123	0.042847	0.035162	0.021589	0.005491	0.0058	0.019174	0.002513	-0.01265	0.006484	0.013458
306	-0.050492	0.018604	-0.047785	-0.006779	-0.000327	0.022723	-0.00738	-0.003329	-0.011202	-0.002101	-0.014271	-0.030371	0.038796	-0.000442
307	0.002245	-0.001972	0.014904	-0.021231	-0.004491	-0.014716	-0.021092	-0.032784	-0.014781	-0.018321	0.019132	0.036145	-0.023252	-0.013176
308	-0.063263	0.083749	0.016979	-0.029357	-0.015839	-0.022192	-0.001512	-0.004618	-0.007315	-0.003749	0.005442	0.033965	-0.057578	-0.031173
309	-0.016437	0.007126	0.025673	-0.001027	0.001583	-0.010755	-0.007744	-0.004502	-0.00939	0.0108	-0.003207	0.000394	0.011885	0.007704
310	0.019685	-0.021383	0.028597	-0.017636	-0.005606	0.000137	-0.009624	-0.010521	0.006436	0.026302	0.029267	0.002284	-0.001231	-0.003085
311	-0.026665	0.01018	0.001888	0.027402	0.00456	0.004195	-0.004581	0.001427	0.001361	0.009878	-0.015513	0.009925	0.009971	-0.011109
312	0.035998	-0.034243	0.016965	0.044466	-0.017913	-0.007394	0.04172	-0.022333	-0.002584	-0.022184	-0.008614	-0.018331	-0.056468	-0.034168
313	-0.001655	0.016959	-0.02029	0.021446	-0.008242	-0.012066	0.010126	0.000311	-0.000522	0.006304	0.018906	0.007208	-0.012892	0.004199
314	0.021756	-0.055804	0.032931	0.034503	-0.022494	-0.036725	0.00659	-0.021392	0.005494	0.029886	0.010292	-0.026448	0.03069	-0.01721
315	-0.01557	0.01196	0.020989	0.001451	0.003333	-0.004602	0.012361	0.012743	-0.004132	0.012037	0.008669	-0.007812	0.011462	0.01078
316	0.004479	0.042571	0.000176	-0.001507	-0.003519	-0.01873	-0.003434	-0.013416	-0.010621	-0.010849	-0.024605	-0.007549	-0.006682	0.002374
317	-0.002652	-0.007868	0.02409	-0.002561	0.001657	-0.012035	0.001285	-0.006493	-0.017131	0.009622	0.002804	0.000489	0.032865	0.005714
318	0.00878	-0.007869	0.016144	0.016131	0.005339	-0.003999	-0.023566	0.014776	0.005267	0.03724	0.048356	0.009514	-0.033365	-0.001626
319	-0.022278	-0.000119	0.020723	-0.000829	-0.007015	-0.012822	-0.005413	-0.006764	-0.01772	-0.0011	-0.000783	-0.009197	0.009692	0.01398
320	-0.008844	0.024769	-0.014166	0.022931	-0.011232	0.003403	-0.003999	-0.016301	-0.021895	-0.032792	-0.023812	0.015365	-0.016526	-0.003418
321	0.003415	-0.016928	-0.012039	0.020943	0.005769	0.009835	0.001576	0.018759	0.019933	0.013057	0.016171	0.01336	-0.003461	-0.001009
322	0.035644	-0.004637	0.031536	-0.029098	-0.003756	-0.018344	-0.017823	0.007892	0.044791	0.028621	-0.016863	0.004149	-0.003523	0.016436
323	0.014324	-0.034565	-0.009709	0.021544	-0.019934	-0.018308	-0.019877	0.010865	0.034632	0.025979	0.023816	-0.008373	-0.002914	0.010591
324	-0.005611	0.040286	-0.027265	-0.018229	0.009898	0.008778	-0.018229	0.018713	0.025613	0.026243	-0.018518	-0.021249	0.015716	-0.020386
325	0.03968	0.014673	0.007786	-0.008876	0.010953	0.00925	0.020285	0.00711	0.000305	0.008319	0.002422	-0.008752	0.022499	0.019821
326	0.024806	-0.011377	-0.015643	0.002422	0.0136	0.003171	0.017911	-0.002197	0.0094	0.019426	0.03663	0.020954	-0.021657	0.012733
327	0.004096	0.00188	-0.018212	0.007086	0.008206	0.010788	0.012079	0.007845	0.003177	0.009505	0.006977	0.022549	0.004942	0.002361
328	-0.048957	0.071999	0.033803	-0.037002	0.013616	-0.000665	0.017405	0.006633	-0.006884	-0.01813	-0.034283	-0.017283	0.1054	0.026056

	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW
329	-0.016623	0.001215	-0.005219	0.0168	0.00689	0.004392	0.019931	0.007023	0.000717	0.027796	0.034344	0.018158	0.018476	0.006642
330	0.025511	-0.014624	-0.049644	-0.00717	-0.024477	-0.024324	-0.015785	0.000729	0.032349	-0.010953	-0.030315	-0.047503	-0.032317	-0.016686
331	0.001943	0.007835	0.002315	0.007452	0.008121	0.010935	0.009131	0.014716	0.007562	0.012489	0.015062	0.008607	0.01455	0.00912
332	-0.060374	-0.037516	-0.015472	0.001226	0.003841	-0.014967	-0.023397	0.006414	0.01488	-0.02821	-0.046801	0.01099	-0.030849	-0.012495
333	-0.003977	0.016679	0.003765	-0.009834	0.008106	0.002556	0.000753	0.010765	0.002556	0.012238	0.021386	-0.005334	0.007251	0.013216
334	0.00534	0.063416	-0.035207	-0.024943	0.006738	0.015936	0.039468	0.003517	-0.018138	0.015077	0.067384	-0.019612	-0.014676	-0.002759
335	0.00754	-0.007726	0.00436	0.013432	0.001191	0.002252	-0.004247	-0.009142	0.007038	0.006303	0.011986	0.004386	-0.006311	0.020247
336	-0.000353	-0.011199	-0.011407	-0.016644	0.01767	0.015437	-0.019354	0.015282	0.01312	0.002998	0.004831	0.013664	-0.003051	-0.006761
337	-0.028587	0.006397	0.010517	-0.018997	-0.021585	-0.034085	-0.019752	-0.014529	-0.009912	-0.001427	0.016504	-0.014301	-0.002234	0.018187
338	-0.040418	0.006474	-0.01118	-0.01065	0.005477	0.03073	0.017096	0.011611	0.005884	0.016952	-0.002106	0.010835	0.019651	0.009977
339	-0.049084	-0.023272	-0.020249	0.005777	-0.009147	-0.019476	-0.014562	-0.005388	-0.007155	-0.00676	-0.001386	-0.001669	0.002014	-0.005739
340	-0.012568	-0.016487	-0.019106	-0.05787	0.016853	0.026871	0.027705	0.007166	0.018196	0.033015	0.072845	0.016922	-0.092783	0.015718

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
1	0.027253	0.032531	0.021505	0.0347	0.033236	0.038951	0.03036	0.006051	0.029331	-0.007202	-0.024262	0.049023	0.041876	-0.006579
2	0.065258	0.09261	0.079706	0.088439	0.064077	0.068095	0.012138	0.128754	0.018948	0.015506	0.056212	0.042871	0.090724	-0.049806
3	0.020977	0.014858	0.022098	0.017769	0.038821	0.084327	0.000943	0.063487	0.04331	0.07521	0.09099	0.061525	0.024125	0.031528
4	-0.025005	-0.030097	-0.019451	-0.033346	-0.018532	-0.020642	-0.004697	0.000381	0.006384	0.020041	-0.004	-0.000954	0.023636	0.042119
5	0.005053	0.000329	-0.011277	-0.018839	0.014694	0.002578	0.118388	0.048065	-0.035687	0.008391	0.020329	-0.011357	-0.019139	0.005692
6	0.000921	-0.004756	0.004594	0.0262	0.043686	0.028533	0.001747	-0.10197	-0.035489	-0.008468	-0.014522	0.053772	-0.00228	-0.068148
7	-0.032319	-0.035846	-0.030825	-0.048678	0.005264	0.023738	0.050588	0.025376	-0.0147	-0.044638	-0.049359	-0.023703	-0.017161	-0.016866
8	-0.031833	-0.020042	-0.026259	-0.030914	-0.05274	0.006042	-0.183633	-0.118537	-0.024838	0.00147	-0.018594	-0.026051	-0.029783	-0.027716
9	-0.017501	-0.023125	-0.021015	-0.013408	0.000495	0.033441	0.027668	-0.007505	-0.0373	-0.014911	-0.058796	-0.013635	-0.023977	0.004405
10	-0.024	-0.018766	-0.004805	-0.011992	-0.016105	-0.014031	-0.039361	0.085091	-0.043701	0.00365	-0.013776	0.039467	-0.003011	-0.02285
11	-0.020869	-0.025799	-0.025938	-0.025405	-0.002955	-0.09207	-0.034641	0.038258	-0.001641	-0.003786	0.041512	-0.003351	-0.00543	0.028941
12	0.03389	-0.002692	-0.009124	-0.009557	0.041782	0.034384	0.016741	-0.057346	0.001558	-0.025748	-0.030218	0.009115	0.013674	0.149538
13	-0.06262	-0.05605	-0.071911	-0.004393	0.011211	0.019262	0.033945	0.013018	0.047311	0.079579	0.029452	-0.037617	-0.010159	0.170971
14	0.023621	0.031422	0.026502	0.044473	0.044748	0.059822	0.074132	-0.086484	0.017106	0.02501	0.030072	0.050091	0.057021	0.03132
15	-0.010032	0.016599	0.004314	-0.006163	-0.103256	-0.19236	-0.079463	-0.028097	-0.001308	0.001412	0.012745	-0.048925	0.020939	-0.053726
16	0.00703	0.036534	0.009286	-0.001018	0.001102	-0.013843	0.000033	0.038121	0.051506	0.05369	0.030297	0.005716	0.011252	-0.048883
17	-0.002327	-0.012709	-0.012124	-0.012091	0.03095	-0.012111	-0.029372	-0.151823	-0.05198	-0.088493	-0.096032	0.00397	-0.011578	0.019536
18	-0.037409	-0.018098	-0.001381	0.023121	-0.030914	0.004893	0.0382	-0.002815	-0.020269	-0.023508	-0.039239	0.012112	0.005249	0.042806
19	0.030573	0.048924	0.023297	-0.001835	0.012351	-0.003958	-0.010438	0.030329	0.048121	0.026914	0.026845	0.000088	0.008501	0.052303
20	-0.046125	-0.024025	-0.028061	-0.022598	-0.005259	0.062135	-0.005041	0.11627	0.04585	-0.011318	-0.069857	-0.006453	-0.056464	-0.046856
21	0.03333	0.021652	0.031083	-0.02497	0.001574	0.061039	0.003383	-0.012535	-0.012079	-0.005885	-0.063598	0.003346	0.03486	0.037539
22	0.037595	0.007535	-0.005288	0.029234	0.04211	0.038613	0.06729	-0.043073	-0.017248	-0.02372	0.017505	-0.005557	-0.009377	0.089358
23	-0.031511	-0.010667	-0.022589	0.012962	-0.024717	-0.000214	-0.035224	0.000578	-0.019911	-0.007335	-0.02261	-0.018522	0.003164	-0.053633
24	0.052442	0.053361	0.046826	0.024308	0.002682	-0.052023	-0.002307	0.013574	-0.035249	-0.059805	-0.050269	0.086802	0.12607	-0.062274
25	0.022416	0.027262	0.012756	0.02227	-0.009716	0.029027	-0.028444	0.001524	0.044161	0.065317	0.105152	0.003702	-0.009935	-0.010577
26	0.022755	0.014632	0.006502	-0.045535	-0.022794	0.058364	0.011699	0.018466	-0.052736	-0.005494	0.003056	-0.00398	0.044569	0.014151
27	0.046572	0.003078	0.011108	0.062909	0.122569	0.045623	-0.045007	-0.00241	0.011914	-0.024843	-0.002081	-0.002906	0.02858	0.101491
28	0.003903	0.030508	0.013819	-0.025774	-0.026507	-0.082606	-0.081701	-0.064005	0.036678	0.023122	-0.02519	0.013937	0.012976	-0.014048
29	0.007058	-0.003614	-0.00234	-0.008709	-0.001753	-0.001692	0.007909	0.01275	-0.017276	-0.005042	-0.014013	0.020717	0.015676	0.003597
30	-0.085816	-0.094505	-0.077	-0.047762	-0.025535	-0.000096	0.094748	0.017064	0.011232	0.000103	0.027624	0.010743	0.040371	-0.053864
31	-0.019831	-0.023073	-0.007005	-0.019393	-0.003834	0.027656	-0.000161	0.048548	-0.082322	-0.054243	-0.051418	-0.024246	-0.053374	-0.045146
32	-0.053137	-0.032731	-0.033586	-0.021382	-0.053904	-0.075554	-0.059996	-0.017035	-0.039397	-0.038922	-0.031117	0.014539	0.01215	-0.024519
33	0.062177	0.054688	0.060241	0.028492	0.035334	-0.00694	0.086262	-0.181038	-0.053381	-0.037527	0.039078	0.047327	-0.051657	-0.032731
34	-0.022567	-0.010932	-0.003934	-0.017064	-0.065799	-0.084152	-0.011925	-0.104509	0.007985	-0.004183	-0.046841	-0.01255	-0.044667	0.026938
35	0.038275	0.01033	0.019972	0.053043	0.027868	-0.059566	0.00623	0.070861	0.011112	-0.029234	-0.087909	-0.024745	-0.007997	0.031204
36	-0.03795	-0.033789	-0.029793	-0.038572	-0.058395	-0.0699	-0.005561	-0.014504	0.011389	0.036535	0.044287	-0.011773	-0.002015	-0.001583
37	0.038213	0.025829	0.038072	0.080376	0.008048	-0.097325	0.142509	-0.020894	0.05544	0.051381	-0.027516	-0.065366	-0.029905	0.070233
38	-0.019799	-0.031657	-0.005054	-0.009299	-0.002515	0.058183	0.042611	-0.037153	-0.00217	0.017377	0.034652	-0.063143	-0.011369	-0.057153
39	-0.011245	-0.024335	-0.014345	0.036876	0.052102	0.001738	-0.051096	0.005935	-0.002922	0.031415	0.02705	0.079933	0.082268	0.072882
40	-0.009276	-0.010792	-0.008531	-0.011599	0.005444	0.027613	-0.001445	0.010056	-0.020385	-0.02059	-0.028028	0.012732	0.006179	0.016253
41	-0.041842	-0.04223	-0.022035	-0.008658	-0.020075	-0.060214	0.029089	0.001259	0.003713	0.027875	-0.004447	-0.013647	-0.034261	-0.083886

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
42	0.022133	0.020174	0.023617	0.016814	0.040941	0.082617	0.111554	0.008324	0.02584	0.040187	0.028766	0.043531	0.021649	0.00017
43	-0.009091	0.018835	0.002561	0.019313	0.004989	-0.035695	0.001615	0.059787	0.03118	0.067595	0.035865	-0.021253	-0.080812	-0.052376
44	0.025245	-0.023287	-0.008743	-0.016151	0.066807	0.025491	-0.042783	-0.021458	-0.023767	0.005849	0.082407	0.002302	0.038143	-0.00576
45	-0.036556	0.005156	-0.009521	-0.003477	-0.104252	-0.107975	0.076386	0.053474	0.036804	-0.004073	-0.063496	-0.010492	-0.036223	-0.077771
46	0.005198	0.002431	-0.002424	0.011408	0.030518	0.057498	-0.045406	-0.025232	0.054608	0.066414	0.053073	-0.031318	-0.047895	0.016221
47	0.008987	0.007943	0.01586	0.012723	0.02728	0.039661	0.025058	0.046592	-0.020378	-0.029054	0.050213	0.022771	-0.018388	-0.078666
48	0.039168	0.031139	0.046381	0.024275	0.000492	0.073141	-0.122238	-0.030447	0.080394	-0.004647	-0.014217	0.04687	0.048861	-0.036434
49	0.050623	0.051209	0.052426	0.056198	0.035458	-0.026539	0.073874	0.003559	-0.053363	-0.033231	-0.035713	-0.015627	-0.074612	0.023817
50	0.013132	-0.003316	0.011791	-0.010034	0.009893	0.047631	0.094717	0.101178	0.040801	0.016491	0.013449	-0.009382	0.029824	-0.046095
51	0.030136	0.031228	0.02029	0.041472	-0.028472	-0.054853	-0.007553	0.043807	-0.074103	-0.047831	-0.031022	-0.004657	-0.00443	-0.052428
52	0.01669	0.065569	0.069257	0.039397	-0.039044	-0.029906	0.024397	0.01735	-0.01003	-0.022854	-0.053881	0.050629	0.048614	-0.002333
53	0.026666	0.028796	0.048853	0.030285	-0.001846	-0.056977	0.015124	-0.095419	-0.010406	0.000923	-0.009372	-0.034124	-0.05128	0.02767
54	0.011654	0.017548	0.018108	0.039726	0.084143	0.059496	-0.036195	0.06467	-0.013039	-0.011897	-0.049437	0.095679	0.017808	0.035178
55	0.007153	0.042069	0.003665	0.025247	0.029156	-0.000526	0.037828	-0.016136	0.055716	0.053332	0.070642	0.011866	-0.005445	-0.022048
56	0.054024	0.06156	0.072763	0.099716	0.062059	0.006534	-0.067708	-0.011038	0.019688	0.009585	0.180179	0.030022	-0.00158	-0.015217
57	0.050029	0.041878	0.069938	0.040858	0.095722	-0.035758	-0.080523	-0.008842	-0.063601	-0.124842	-0.12122	-0.04934	0.011031	0.001651
58	0.065366	0.059074	0.050996	0.083556	0.11102	0.099404	0.009441	-0.063908	0.110831	0.167752	0.157947	-0.087265	-0.085206	0.076227
59	0.020422	-0.015797	0.014382	-0.005191	-0.051788	-0.074463	0.046742	-0.038592	0.007209	0.043007	0.096484	0.029117	0.00115	0.011584
60	0.019414	0.010189	0.006447	0.003312	0.010628	0.028086	-0.004237	0.006237	0.009909	0.000661	0.0281	-0.018852	0.001398	0.027025
61	-0.001572	-0.002924	-0.006911	-0.014321	0.004669	0.02356	-0.032976	0.010368	-0.014993	-0.026707	-0.034599	0.015371	0.017978	-0.003591
62	0.012489	0.009497	0.008393	0.012303	-0.006173	-0.00999	0.006188	-0.034703	0.013215	0.008001	0.011483	-0.014506	-0.010592	0.03539
63	0.000169	-0.005253	-0.004789	-0.009719	0.007935	0.00059	-0.04478	-0.004847	-0.032031	-0.044968	-0.042302	0.019426	0.024236	-0.002073
64	-0.005735	-0.008513	-0.009944	-0.001329	-0.000318	-0.014599	-0.025102	0.018628	-0.003281	-0.017591	-0.032866	-0.007946	-0.008241	0.014468
65	0.010141	0.005456	0.006042	0.005519	0.010379	0.042877	-0.006306	0.005312	0.001833	0.012673	0.043781	0.007278	0.012989	0.002144
66	-0.009303	-0.019293	-0.014737	-0.006424	0.020132	-0.003395	-0.02454	-0.031036	-0.017901	-0.00506	0.024	-0.009899	0.003239	0.006806
67	-0.017433	-0.023634	-0.019277	-0.023844	0.010261	0.034444	0.021587	-0.020262	-0.014529	-0.008358	-0.003453	0.007563	0.005496	-0.015852
68	0.032597	0.012939	0.025081	0.019369	0.038774	0.036756	0.013548	-0.022269	0.007449	-0.002029	0.021322	-0.007191	0.032658	0.013578
69	0.002848	0.008849	0.009364	0.007902	-0.017442	-0.030573	0.020541	-0.00693	0.00535	-0.0048	0.004514	0.008327	0.002618	-0.036128
70	0.007488	0.00409	0.009566	-0.003093	-0.016165	-0.019407	-0.004295	-0.006963	0.00287	-0.014659	-0.022136	-0.012316	-0.000374	-0.001412
71	0.006324	-0.003948	-0.001995	0.009838	0.00317	0.006505	-0.010971	0.057586	0.016239	0.01034	0.036098	0.008535	0.014724	0.010962
72	0.004496	-0.000942	-0.006559	-0.005735	-0.011383	-0.007435	-0.009262	0.021166	0.009087	0.005024	0.038233	0.003765	0.004736	-0.004478
73	-0.000482	-0.000829	0.008058	-0.003869	-0.012657	0.013193	-0.022857	-0.000854	0.024758	0.021196	0.051543	0.016186	0.021447	-0.023582
74	0.016595	0.007202	0.009283	0.007091	0.001349	-0.036693	-0.004206	0.046662	-0.016592	0.000933	0.015997	-0.017391	-0.018014	0.022499
75	0.006679	-0.000782	0.003539	0.003462	-0.000862	-0.001336	-0.011763	0.009661	0.011391	0.001097	0.008327	0.003607	0.007932	0.00012
76	-0.003235	0.006434	0.001307	0.000893	-0.010797	-0.01844	0.009339	0.037341	0.008984	-0.006982	-0.038368	0.000841	-0.00365	0.004773
77	0.005977	-0.002326	0.002913	0.002285	-0.005538	-0.010965	-0.012606	0.012462	0.010415	-0.001345	0.007046	-0.000284	0.006141	-0.004051
78	0.010075	-0.000204	0.007476	0.005032	-0.008968	-0.014539	-0.010653	0.004409	0.017423	0.003725	0.01053	0.000888	0.007727	0.001118
79	0.015908	0.009037	0.014656	0.00568	0.001814	-0.008095	0.004046	0.005195	0.00579	-0.001935	-0.011539	-0.007248	-0.002132	0.002737
80	-0.038126	-0.021703	-0.032726	-0.010538	-0.013572	-0.000364	-0.028574	0.044696	0.015376	0.002669	-0.019888	0.005489	0.005872	0.00013
81	-0.007092	0.009175	-0.009178	-0.008891	-0.008195	-0.000806	-0.016042	0.033461	0.00739	0.006864	0.00583	0.009265	-0.007608	0.007198
82	0.005701	0.008831	0.005373	0.010468	0.001816	-0.006269	0.040393	0.013614	0.012361	0.001027	-0.015115	-0.017367	-0.00485	0.007325

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
83	0.006707	0.008723	0.006706	0.008197	0.008613	0.002862	0.008407	0.013199	0.005513	-0.002313	-0.016246	0.005355	0.010365	0.001393
84	0.001312	-0.000495	-0.003174	0.005676	0.009733	0.022126	0.006295	0.008683	0.007589	0.004659	-0.001854	0.00722	-0.005522	0.012371
85	0.006138	0.004553	-0.002151	-0.004061	0.009312	0.017476	0.01542	-0.053122	0.013639	0.018202	0.007018	0.011329	-0.003458	0.027793
86	-0.011706	-0.009459	-0.009155	-0.00846	-0.00685	-0.004201	-0.0165	0.009129	0.000378	-0.002662	0.021373	0.016945	0.003605	-0.0036
87	-0.014064	-0.001125	-0.004438	-0.001281	-0.00585	0.017048	0.017486	0.056992	-0.017049	-0.016911	-0.011675	0.020552	0.004868	-0.021822
88	-0.000981	0.002744	0.001207	0.009063	0.003039	0.001811	0.025798	0.012256	0.012293	0.006814	-0.002994	-0.001683	-0.001354	-0.001013
89	0.007474	0.005081	0.00814	0.010755	0.001524	-0.004434	0.018498	0.006168	0.009351	0.003213	-0.000638	0.000937	0.002009	0.00581
90	0.008232	0.006693	0.00728	0.009152	0.009541	0.011403	0.012704	0.018763	0.001338	-0.00392	0.002635	0.012943	0.011092	0.006767
91	0.005528	0.000658	-0.000146	0.006762	0.012394	0.011114	-0.001558	-0.003431	0.009264	0.000033	0.011737	-0.003553	-0.005141	0.011893
92	-0.010758	-0.0048	-0.006904	-0.001258	-0.014588	0.010674	-0.007985	-0.002307	0.030473	0.028256	0.01864	0.013631	0.016433	0.012455
93	0.012117	0.006832	0.005504	0.002983	0.014423	0.000946	-0.018077	-0.001042	-0.002795	-0.025731	-0.02296	0.002489	0.018161	0.005541
94	0.008956	-0.003268	-0.002751	-0.003236	0.016033	0.013615	0.052883	0.013285	0.020794	0.015718	0.017349	-0.015903	0.011429	0.009733
95	0.004568	0.010919	0.007353	0.00337	-0.011152	-0.031695	-0.004884	-0.04076	-0.030158	-0.016236	-0.016227	0.003132	-0.003445	-0.03601
96	0.007936	-0.00463	0.010605	-0.006608	-0.005091	-0.010337	-0.041517	-0.004411	-0.007747	-0.018269	-0.020039	-0.007758	-0.010734	0.009543
97	0.00593	0.010367	0.011514	0.001414	0.01504	0.011842	-0.004684	0.03081	-0.011066	-0.019758	-0.029886	0.006384	-0.001167	-0.01349
98	-0.050768	-0.046431	-0.049941	-0.038643	-0.031458	-0.008027	0.011462	0.039152	-0.002111	0.008123	-0.017389	-0.016587	-0.013557	-0.009366
99	0.000929	0.004313	0.007019	-0.003357	-0.004468	0.007613	0.005054	0.013835	-0.004496	-0.000017	0.007156	0.006958	0.002362	-0.014555
100	-0.025365	-0.01145	-0.016377	-0.041748	-0.066962	-0.058134	-0.007939	0.008782	-0.018673	-0.012193	-0.041996	-0.020554	-0.015603	-0.028385
101	-0.040998	-0.043933	-0.048677	-0.031104	-0.007739	-0.003358	0.011761	0.035204	0.005442	0.011961	-0.016706	-0.035484	-0.031268	0.021283
102	0.00333	0.002334	0.004704	-0.022916	-0.021563	-0.015367	-0.04554	0.004931	-0.074439	-0.098201	-0.106693	0.036446	0.017698	-0.032814
103	0.003681	-0.009173	-0.010264	-0.012254	0.019089	0.008419	-0.025638	-0.010722	-0.031985	-0.015888	-0.019795	-0.010298	-0.010751	0.005932
104	0.00741	0.014721	0.011079	0.01202	0.004389	0.00721	-0.022637	0.012563	-0.015178	-0.003624	0.010994	-0.001452	-0.036008	-0.016952
105	-0.026117	-0.018256	-0.014448	-0.011553	-0.065792	-0.013206	0.01382	0.00413	0.011255	0.030702	0.005437	-0.020768	-0.008357	0.019051
106	0.008513	-0.004524	-0.002092	0.003364	0.036751	0.023499	-0.004814	0.001474	0.008523	-0.014082	-0.004904	0.011737	0.030252	0.014462
107	-0.001351	0.004624	-0.000856	0.007294	0.002974	0.001276	-0.00149	0.017614	0.052805	0.037243	0.049126	0.008123	0.027492	0.017406
108	0.006682	0.005956	0.001686	0.010867	0.010496	-0.005242	0.008711	0.040551	0.021469	-0.002949	-0.039979	0.009988	0.02366	0.038078
109	0.018244	0.018715	0.014757	0.027345	0.004978	-0.007936	0.015805	-0.061384	-0.001908	-0.011721	-0.024295	0.016923	0.011386	0.033055
110	-0.00479	-0.013035	-0.020259	-0.01326	0.002527	0.021785	-0.042546	-0.011548	0.020756	0.000496	-0.011329	0.00682	0.007183	0.002392
111	-0.00945	-0.00295	-0.008582	0.003724	-0.022901	-0.029043	0.003795	0.031929	0.003919	-0.0028	-0.032203	0.026065	0.009168	0.029907
112	0.010093	0.004957	0.00673	-0.007099	0.000775	-0.006999	-0.035368	0.021422	0.003208	-0.00512	-0.024403	0.031827	0.027488	-0.029264
113	0.006986	0.000753	0.007833	0.023874	0.017774	0.007639	0.01952	0.005326	0.022797	0.00295	-0.011173	0.002513	0.045439	0.033638
114	0.007903	0.004031	0.011235	-0.004154	0.01323	0.012673	0.014783	-0.005356	-0.012974	-0.01142	-0.004524	0.000046	0.028246	-0.000073
115	0.001508	-0.009858	-0.012127	-0.013003	0.005129	0.001782	-0.019892	-0.055512	-0.018772	-0.009736	-0.008994	-0.021507	-0.026369	0.05127
116	0.013407	0.004247	0.00375	-0.010251	-0.020245	-0.012496	-0.006567	0.028056	0.000795	-0.023191	-0.040286	0.013393	0.031517	-0.027458
117	-0.001662	0.008615	0.003323	-0.003833	-0.005751	0.032423	-0.057166	0.02614	-0.027274	0.004774	-0.012769	0.009956	-0.022524	0.014773
118	-0.02118	-0.011742	0.000699	-0.007159	-0.040327	-0.020601	0.001536	-0.009726	-0.023337	-0.003866	-0.017764	-0.02214	-0.028869	0.003452
119	0.009475	0.01361	0.013214	0.005641	-0.003434	-0.017248	0.006734	-0.032803	0.007388	0.002468	0.021683	-0.009744	-0.013624	-0.008708
120	0.000479	-0.000631	0.002676	-0.002597	-0.001223	-0.013433	-0.02492	-0.020856	-0.020643	-0.010728	-0.019252	-0.007024	-0.022164	0.029337
121	-0.018797	-0.017692	-0.0114	-0.014056	-0.05697	-0.05509	0.00241	-0.037387	-0.034109	-0.020493	-0.026458	0.006994	0.019452	-0.01966
122	-0.014378	-0.006657	-0.012284	-0.010254	-0.016779	-0.00197	-0.045051	-0.015412	-0.003628	0.004982	-0.024095	0.001169	0.004621	-0.009219
123	-0.008318	0.003502	-0.006588	-0.004277	-0.045887	-0.051219	-0.010136	-0.031695	0.015628	0.027274	0.007545	-0.023749	-0.00085	0.011862

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
124	0.008157	0.016415	0.009985	-0.000375	-0.009011	-0.009523	-0.011263	-0.008067	0.013847	0.013206	0.006198	-0.00638	-0.005149	-0.001976
125	-0.007795	-0.000898	-0.002816	0.016894	-0.008516	-0.015124	-0.012174	0.036045	-0.015937	-0.005103	-0.015075	-0.019938	-0.020876	0.000413
126	-0.02321	-0.01285	-0.009524	0.008485	-0.04341	-0.018278	0.021285	-0.007271	-0.008978	0.021515	0.032323	0.007432	0.006109	-0.027294
127	-0.005307	0.000625	0.003486	0.014859	-0.004524	0.025982	0.01252	0.03559	0.00342	0.02419	0.038954	0.004595	0.005934	-0.048984
128	0.004662	0.00848	0.009494	-0.000368	-0.014172	-0.020183	-0.023298	-0.005206	0.009666	0.00798	0.033201	-0.017038	-0.018243	-0.02488
129	0.007649	-0.004872	0.004351	0.005541	0.013246	-0.022043	0.02026	-0.042792	-0.019655	-0.007612	0.004509	0.052662	0.017884	0.001605
130	0.006243	-0.008362	0.000739	-0.007973	0.016034	-0.002592	-0.003997	-0.080355	0.018599	-0.001482	-0.012318	-0.008514	-0.009667	0.027986
131	0.002608	-0.003134	-0.000692	0.002085	-0.010245	0.002084	0.055247	-0.021046	0.03326	0.026491	-0.002685	-0.02221	-0.008818	0.007181
132	0.001449	0.013648	0.003803	0.006443	-0.014463	-0.02801	-0.001236	0.005069	0.025303	0.018393	0.010354	-0.0103	-0.025241	0.002063
133	0.000077	-0.009445	-0.008539	-0.01692	0.016895	0.042358	0.055707	0.027201	-0.003295	0.010218	0.038548	0.001284	-0.001301	-0.010551
134	0.001088	-0.010823	-0.008232	0.01225	0.008215	-0.001005	0.006349	-0.019781	-0.005093	0.015069	0.024635	-0.041628	-0.05006	-0.021692
135	0.009433	0.009909	0.014302	0.011489	-0.000023	-0.019801	-0.000389	0.023122	-0.002483	-0.0039	0.001199	-0.007388	-0.016376	-0.008669
136	-0.002678	-0.004483	-0.002444	-0.015997	-0.011686	0.019707	0.051299	-0.000101	0.000952	-0.001397	-0.012355	-0.015036	-0.012887	0.018546
137	-0.002702	-0.013931	-0.007603	-0.001548	0.00767	-0.012249	0.020492	0.004758	0.003955	0.013632	0.014772	-0.031217	-0.00707	-0.003102
138	-0.018702	-0.019702	-0.006149	-0.000517	0.00633	-0.016324	-0.013443	0.006227	0.030347	0.006802	0.008448	0.003284	0.007174	-0.016285
139	0.000439	-0.017034	-0.020282	0.004349	0.026954	0.01728	0.047103	-0.047149	0.022291	0.006985	-0.031053	-0.010087	0.018947	0.070924
140	-0.010508	-0.011298	-0.002959	-0.002426	0.014781	0.016694	0.039551	-0.030834	0.03467	0.025201	0.033034	-0.011659	-0.051109	-0.036067
141	-0.000798	0.005487	0.008684	-0.002335	-0.020248	-0.025002	-0.001217	-0.002324	0.012346	0.007801	0.014606	-0.017908	-0.021267	-0.03531
142	-0.002062	0.00957	0.010218	0.003584	0.010736	0.004235	-0.018635	0.001658	-0.008133	-0.002688	-0.025304	0.041155	0.024031	0.000549
143	-0.00537	0.007384	-0.002155	0.000946	0.001257	-0.013824	-0.027081	0.030808	0.01272	0.002119	-0.023909	-0.010828	-0.011167	-0.016238
144	0.002839	0.006523	0.006507	0.000937	0.002711	-0.023361	-0.006523	0.000243	-0.008817	-0.028093	-0.010861	0.00659	0.010028	-0.015747
145	-0.008283	0.004768	-0.000377	-0.000453	0.003607	0.000044	-0.004885	0.05923	-0.015769	-0.018472	-0.015306	-0.014818	-0.002832	-0.020376
146	0.00374	0.010242	0.009523	0.013055	0.003906	0.00005	0.018879	0.013497	0.006504	0.002955	0.005585	0.00208	-0.012668	-0.014164
147	-0.017157	-0.006766	-0.009593	0.006575	0.011401	0.028858	0.029154	-0.003304	0.021347	0.016281	0.01108	0.030828	0.030201	-0.001344
148	-0.003525	-0.017337	0.001834	-0.008864	0.029076	0.000185	0.007964	-0.054892	-0.026307	-0.018191	-0.031084	-0.007002	-0.018113	0.010295
149	0.013355	0.008783	0.010299	0.008846	0.014396	-0.007522	0.001108	0.008208	0.000597	0.013127	0.02059	-0.045869	-0.044309	-0.001131
150	-0.007653	-0.003109	0.000954	0.000258	-0.008876	0.003905	-0.023041	0.026834	-0.001034	0.001767	-0.039122	0.004269	0.010213	-0.007585
151	0.003111	0.008513	0.000995	0.001285	0.017529	0.021427	0.007904	-0.026363	0.001052	0.008189	0.011347	-0.020581	-0.018494	-0.009819
152	0.006499	0.008557	0.012203	0.014443	0.00817	0.003156	0.011823	0.01122	0.010098	0.019812	0.031062	0.020008	0.016619	-0.021517
153	0.008101	0.009196	0.005628	0.011039	0.002527	0.012246	-0.003308	-0.038412	0.002033	0.004625	0.012116	0.025103	0.008533	0.021465
154	0.007813	0.013004	0.011666	0.005447	-0.006012	0.006924	0.005398	0.005929	-0.011615	-0.025965	-0.026728	0.0254	0.010956	-0.006976
155	-0.006458	0.004642	0.001555	0.01007	-0.014782	-0.013654	0.011064	0.007618	-0.007688	-0.024381	-0.010554	0.017251	-0.002422	0.001632
156	0.012017	0.022358	0.015459	0.007351	-0.016177	-0.019706	0.001589	0.052827	0.015723	-0.008677	0.002822	-0.013813	-0.004947	-0.019898
157	-0.008183	0.00182	-0.002885	-0.003947	-0.006814	-0.000612	-0.016401	0.009763	0.002303	0.005464	-0.004801	-0.000731	-0.022	-0.006124
158	0.002787	0.004874	-0.002412	-0.022748	-0.020106	0.010169	0.034862	0.032896	-0.010534	-0.032317	-0.023794	-0.007539	-0.006351	-0.024741
159	-0.009701	-0.009556	-0.001198	-0.019907	-0.032017	-0.048229	-0.03245	0.005818	-0.019012	-0.008161	-0.018689	-0.002972	0.00982	-0.015576
160	0.011845	0.000069	0.004367	0.008152	0.021669	0.003872	0.02013	-0.00291	0.005413	0.013481	-0.001558	-0.020693	-0.012712	0.012505
161	0.032865	0.022077	0.023154	0.018136	0.026527	-0.027323	-0.004784	-0.026641	0.023239	0.003786	0.015339	0.00793	0.00103	0.014637
162	0.012523	0.006518	0.009061	0.012374	0.028469	0.002735	0.050955	0.037944	-0.011872	-0.013456	-0.025202	-0.017288	-0.004666	-0.023458
163	0.003781	0.01697	0.014893	0.011782	0.014286	-0.001184	-0.014735	0.04798	-0.002524	0.001766	-0.014054	0.015924	0.007706	-0.033994
164	0.000133	0.018221	0.014303	-0.001701	0.005952	0.055039	0.054168	0.019515	0.003412	-0.000337	-0.000933	-0.01669	-0.005229	-0.02428

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
165	-0.000188	-0.003565	0.002164	0.019693	0.0223	0.023092	0.004743	-0.006333	-0.024044	-0.010927	0.043302	0.015518	0.006322	0.028069
166	0.009032	-0.001972	0.002709	0.004888	0.028791	0.003625	0.008052	-0.059811	0.005101	0.010648	0.006751	-0.019551	-0.022899	0.048251
167	-0.021462	-0.014115	-0.016359	-0.000534	-0.008654	-0.001252	0.033251	0.030036	0.010923	0.001578	0.011015	-0.032023	-0.015181	0.000979
168	-0.005772	-0.000793	0.008481	-0.018025	-0.018684	-0.012771	-0.037874	-0.022151	-0.006883	-0.023894	-0.020403	0.011166	0.015154	-0.052916
169	-0.020057	-0.021778	-0.024006	-0.006791	0.007289	0.013243	-0.00584	0.02347	0.017336	0.003588	-0.025308	-0.008724	-0.012026	0.02833
170	-0.013101	-0.022404	-0.024889	-0.016925	0.018104	0.025381	0.009795	0.009753	0.018491	-0.001201	-0.021282	-0.006437	-0.000877	0.032696
171	-0.022915	-0.018333	-0.018249	-0.012696	-0.040186	-0.044673	0.008452	-0.008273	0.034811	0.026969	0.005517	-0.007742	-0.005136	0.012187
172	0.010757	0.006834	0.003855	0.001079	0.00777	-0.001013	-0.024591	-0.025001	-0.018169	-0.027041	-0.024295	0.004406	0.004727	0.016115
173	0.012817	-0.005217	-0.000248	0.005586	0.016189	-0.003159	-0.011316	-0.027761	-0.044616	-0.038535	-0.013118	0.009827	0.016388	0.008671
174	0.023706	0.010927	0.015049	0.018495	0.02997	-0.013919	-0.018811	-0.028651	-0.025889	-0.067274	-0.060248	0.003942	0.0186	0.0053
175	0.018968	0.014675	0.013591	0.015642	0.024261	0.020601	-0.015122	-0.004232	0.00022	-0.025513	-0.080518	-0.024888	0.013182	0.032777
176	-0.000699	0.001194	-0.005204	-0.019281	-0.0181	-0.01914	-0.016044	0.02818	0.024543	0.003077	-0.031615	-0.024436	0.010985	0.03714
177	-0.003192	-0.003916	-0.001354	-0.009781	-0.003724	0.030068	0.005758	-0.025168	-0.008419	-0.024622	0.008619	0.012476	-0.017834	0.004854
178	-0.053515	-0.051546	-0.052103	-0.037562	-0.031251	-0.007784	0.014869	0.020536	-0.004576	0.009953	0.00782	-0.002818	0.010073	-0.012938
179	0.932606	-0.053838	-0.05488	-0.047732	-0.054012	-0.023562	-0.004113	0.017037	-0.003712	0.002044	-0.022795	-0.011494	-0.014222	-0.018417
180	-0.056738	0.936547	-0.057666	-0.047346	-0.032727	-0.011991	0.003671	0.002446	-0.011321	-0.003158	-0.016957	-0.01622	-0.012209	0.002697
181	-0.05551	-0.055536	0.94035	-0.048194	-0.035178	-0.009016	-0.000324	0.010385	-0.002857	0.003419	-0.014094	-0.013818	-0.010644	0.004821
182	-0.045179	-0.044385	-0.044563	0.933595	-0.053015	-0.017303	-0.005629	0.003009	-0.018824	-0.01508	-0.026867	-0.008615	-0.003538	-0.016579
183	-0.055093	-0.029646	-0.032212	-0.051592	0.88114	-0.090371	-0.009061	0.00604	-0.008986	-0.004103	-0.02356	-0.012285	-0.009016	-0.050862
184	-0.027052	-0.009468	-0.009794	-0.019482	-0.088927	0.818872	-0.025769	-0.028184	-0.024764	-0.0306	-0.051681	-0.025088	-0.012913	-0.030519
185	-0.008823	-0.006599	-0.008774	-0.021276	-0.02007	-0.026485	0.815012	-0.02598	-0.016938	-0.031374	-0.026455	0.000356	0.010023	-0.007906
186	0.015888	-0.000041	0.004576	0.000212	0.004191	-0.03727	-0.021095	0.790611	-0.01763	-0.00987	-0.001201	-0.007865	-0.021551	0.038486
187	-0.006481	-0.013575	-0.004838	-0.019303	-0.014618	-0.023953	-0.009076	-0.025556	0.909198	-0.079664	-0.064146	0.006269	-0.000331	-0.025246
188	0.004149	-0.005931	0.004526	-0.01631	-0.007209	-0.032498	-0.018334	-0.015707	-0.079918	0.885178	-0.108298	0.010611	0.017617	-0.022182
189	-0.015273	-0.013585	-0.008352	-0.035117	-0.039287	-0.06029	-0.0128	0.003358	-0.064476	-0.111749	0.802384	-0.010358	0.007122	-0.000893
190	-0.008623	-0.011853	-0.012994	-0.013004	-0.013154	-0.029085	0.015733	-0.00822	0.014548	0.017584	0.000485	0.916451	-0.054722	0.014885
191	-0.013286	-0.009118	-0.011379	-0.008398	-0.011182	-0.019518	0.017659	-0.016724	0.005433	0.016928	0.007501	-0.052607	0.91487	0.004232
192	-0.017368	0.005084	0.008506	-0.017383	-0.048512	-0.014646	-0.000666	0.033285	-0.027911	-0.026684	0.001044	0.012648	-0.003571	0.843852
193	0.005174	0.009822	0.008904	-0.012053	-0.023256	-0.036079	-0.019881	-0.037442	-0.035808	-0.036226	-0.014562	-0.009145	-0.00207	-0.05681
194	-0.01817	-0.016671	-0.007915	-0.014831	-0.026017	-0.013547	-0.027771	-0.01537	-0.04623	-0.057338	-0.078705	-0.019559	-0.008139	-0.02069
195	0.001476	0.002097	-0.006861	-0.007297	0.004285	-0.007409	-0.024098	-0.056948	-0.009911	0.005507	-0.011681	-0.021875	-0.014344	0.015397
196	-0.008847	-0.01496	-0.018772	-0.022659	0.001239	-0.013866	-0.013187	-0.039526	-0.012548	-0.01275	-0.043662	-0.04462	-0.027788	0.002875
197	0.00585	0.002922	0.000915	-0.016374	-0.003595	-0.003944	0.006905	-0.00672	0.008126	0.012186	0.018307	-0.073842	-0.065152	-0.01221
198	0.001663	0.015123	0.00892	-0.006633	-0.015451	-0.012114	-0.045127	-0.043379	-0.014082	0.000241	0.005601	0.015321	0.019185	0.002557
199	-0.012233	-0.005535	0.003197	0.021761	0.043832	0.001257	0.025047	0.006791	0.008827	0.008018	-0.028191	-0.012048	-0.020664	0.033368
200	-0.001781	0.011212	0.005099	0.010022	-0.019873	0.010557	0.046918	-0.040011	0.00469	0.019501	0.039522	0.026297	0.024902	-0.007031
201	-0.009827	-0.014099	-0.009007	-0.006291	-0.018208	0.020699	-0.001345	0.044084	0.00183	0.016619	0.027502	-0.00685	-0.010415	-0.016427
202	0.010848	0.007248	0.008797	0.004909	0.008144	0.025619	0.000671	-0.066115	-0.014265	0.010736	0.051033	0.010076	0.017987	-0.008476
203	-0.009333	-0.001844	0.002023	-0.007058	-0.014872	0.003644	0.007372	0.038539	-0.007248	-0.005872	-0.00813	-0.021817	-0.019401	-0.021157
204	0.000332	-0.006503	-0.012764	-0.011125	-0.015328	-0.040602	-0.053692	-0.032755	-0.011497	0.005155	0.029591	0.008193	-0.004589	-0.012927
205	-0.024007	-0.024516	-0.018761	0.004831	0.009625	0.0087	-0.009161	0.023879	0.011706	0.021093	-0.007253	-0.035392	-0.018491	-0.005386

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
206	0.015182	0.005823	0.001981	0.007617	0.017592	0.01251	0.017449	0.013532	-0.003111	0.002637	-0.007555	-0.012598	0.011515	0.000975
207	-0.0074	-0.015247	-0.025226	-0.030333	-0.009138	0.025467	0.013745	-0.027318	-0.00868	-0.019702	-0.029611	-0.005639	0.014259	0.000579
208	0.027442	0.022368	0.021943	0.024683	0.019047	0.011439	-0.017718	-0.020438	0.005698	0.002475	0.02282	-0.006973	-0.012265	0.01068
209	0.006645	0.001023	0.008899	-0.018312	-0.013516	-0.012628	-0.009354	0.017036	-0.023321	-0.024397	0.005816	0.013527	0.032149	-0.070515
210	-0.021509	-0.010911	-0.017296	-0.018486	-0.045323	-0.005385	0.005438	0.040832	0.037403	0.058787	0.049826	-0.009708	-0.021041	0.009001
211	-0.00941	-0.016145	-0.013996	0.001155	-0.01341	-0.010589	0.005833	0.005423	-0.008961	0.011049	0.050701	0.000128	-0.019852	-0.00825
212	0.007651	0.020657	0.009436	0.008171	0.004631	-0.001321	-0.026861	-0.001408	0.0197	0.00447	-0.007112	0.009631	0.027341	0.021438
213	-0.035195	-0.031009	-0.033493	-0.028037	-0.020583	-0.037985	0.004198	-0.020708	-0.000652	0.001589	0.00373	-0.005502	-0.032046	0.019972
214	-0.048376	-0.043554	-0.040526	-0.042214	-0.064038	-0.050591	0.009052	-0.008151	-0.012475	-0.00307	-0.0345	-0.008726	-0.014731	-0.019716
215	-0.0531	-0.036445	-0.042414	-0.01496	-0.044881	-0.04748	-0.059386	-0.032541	0.023509	0.039262	0.012862	-0.000358	-0.030726	0.017291
216	-0.004352	-0.00905	0.00063	0.001949	0.002655	-0.003058	-0.008102	-0.004228	0.016029	-0.000349	-0.014223	0.008302	0.008509	0.01686
217	0.01335	0.035218	0.033502	0.040934	0.004153	-0.012547	-0.025761	-0.008936	0.023364	0.018358	-0.00419	-0.004908	-0.002141	0.005093
218	0.023053	0.016119	0.010356	0.015761	0.014494	-0.008777	-0.011378	-0.016207	0.021973	0.013748	0.000861	0.006964	0.007258	0.030551
219	0.015366	0.017512	0.01492	0.020331	0.008398	-0.007387	0.011935	-0.006246	0.028699	0.015407	-0.007247	0.024411	0.024562	0.023726
220	0.014595	0.022969	0.01489	0.020871	-0.009659	-0.021144	-0.024999	-0.001992	0.022163	0.014821	-0.007508	-0.015905	-0.013069	0.027526
221	0.003534	-0.000524	0.000714	0.007032	-0.008114	0.002184	-0.000516	0.007169	0.001083	0.01473	0.024648	0.016925	0.015441	-0.006269
222	-0.000178	0.005465	0.00527	0.007995	-0.002221	0.016052	0.024428	0.048754	0.002874	0.007213	0.007288	0.013326	0.008678	-0.061985
223	0.008092	0.0038	-0.002712	0.003218	0.002843	0.022701	0.004706	0.007925	0.008815	0.015051	0.011779	0.005107	0.003325	-0.006898
224	-0.006041	-0.007656	0.0036	0.011084	-0.002251	-0.001465	-0.01353	-0.003218	0.000041	0.003391	0.022313	-0.004671	-0.003855	-0.002856
225	-0.005423	-0.007122	0.004853	0.013549	0.000106	0.015854	-0.009622	0.00949	0.001964	0.006034	0.032424	0.004918	-0.000746	-0.004386
226	0.010059	0.018801	0.014229	0.002732	-0.009365	-0.010576	-0.006644	-0.002964	0.002399	0.006747	-0.008806	0.009938	0.001154	-0.018229
227	-0.014547	-0.006812	0.002292	0.000873	-0.004831	0.019481	-0.027882	0.035193	-0.001183	0.005821	-0.001945	0.00496	0.000524	-0.020424
228	0.015775	0.015719	0.014911	0.004369	0.005198	-0.006002	0.022764	-0.018524	0.002926	0.008269	-0.004007	-0.012512	-0.003345	-0.034773
229	-0.007152	-0.012916	-0.01842	0.014272	0.024501	0.000298	-0.009034	-0.019741	-0.016305	-0.009121	0.000994	0.010042	0.000514	0.0161
230	-0.01741	-0.03091	-0.019485	-0.001552	0.020043	0.035308	-0.023356	0.009328	0.001475	-0.005225	0.013267	0.001881	-0.002512	0.004864
231	0.007615	0.002708	0.000642	-0.0098	0.018476	0.020954	-0.049128	0.018407	0.004242	0.014338	0.028777	-0.006404	-0.003023	0.017457
232	0.006884	0.016973	0.00888	0.012369	-0.004572	-0.017159	-0.027255	-0.02246	0.002669	-0.004486	-0.021958	-0.002142	-0.010628	-0.010753
233	-0.016521	-0.008747	-0.015335	0.000992	-0.008551	0.009685	-0.022531	-0.02744	-0.002074	-0.002442	-0.004489	0.037925	0.008096	-0.003803
234	0.007481	0.00567	0.001274	-0.001932	0.015823	0.035487	-0.002738	0.030171	0.025928	0.022157	0.018608	0.01275	0.030997	0.007795
235	0.002265	0.00684	0.000915	0.005226	0.022022	0.029362	-0.01174	0.032832	0.018954	0.016551	0.023665	0.025216	0.030848	0.003314
236	0.001404	-0.001869	-0.003707	-0.005302	-0.000516	-0.003295	-0.008819	0.018518	0.023222	0.005351	-0.017885	-0.020601	0.001979	0.041461
237	0.003367	-0.000906	0.001524	-0.006181	0.002749	-0.001565	0.022384	0.009067	-0.006198	-0.013484	-0.015059	-0.022314	-0.019887	0.013448
238	-0.002538	-0.004212	0.000171	0.006388	0.009197	0.007926	0.020606	-0.007269	0.008127	0.005507	0.007507	-0.005587	-0.009372	0.007943
239	-0.003367	-0.000675	-0.000844	0.002612	0.008026	0.008745	-0.003096	-0.012543	0.011125	0.013515	0.018081	0.014158	0.010436	-0.00442
240	-0.005766	-0.006272	-0.001594	0.020976	0.009071	-0.003513	-0.004379	-0.01336	-0.013988	-0.000925	0.008149	-0.009785	-0.002932	-0.012661
241	-0.011749	-0.012282	-0.011348	0.001772	-0.012619	-0.00815	-0.013741	-0.019228	0.004643	-0.003334	-0.005367	0.011125	0.007681	-0.007774
242	-0.011219	-0.010297	-0.017918	-0.01534	-0.006702	0.000974	-0.016522	0.015552	0.020433	0.014634	0.003519	-0.000972	0.013191	0.0274
243	-0.000346	0.008298	0.003673	0.008358	0.011338	0.008867	-0.009429	-0.013551	0.02462	0.026876	0.013069	0.006382	0.007771	0.00097
244	-0.009076	-0.014652	-0.007717	-0.006443	-0.010335	0.001079	-0.009137	-0.006552	-0.019391	0.003549	0.036423	0.018915	0.009808	-0.008152
245	-0.013674	-0.013963	-0.013732	-0.00736	-0.003708	-0.011642	-0.044313	0.017952	-0.009969	-0.0421	-0.021433	0.019965	0.02033	-0.012948
246	-0.009215	-0.008896	-0.014822	-0.015803	-0.012165	-0.000787	-0.010336	0.019337	0.000272	-0.0151	-0.026773	-0.005151	0.002653	0.016941

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
247	-0.009777	-0.009539	-0.010884	-0.0041	-0.008802	-0.00249	-0.010587	0.016946	0.017707	0.007596	-0.008905	-0.017284	0.001436	0.02511
248	-0.004785	-0.001436	-0.002784	0.004595	-0.014356	-0.015972	-0.017532	0.007346	0.017685	0.010781	-0.001144	-0.01642	-0.007154	0.004118
249	0.013388	0.017483	0.017878	0.026819	0.016778	0.017597	0.005214	0.00622	0.018793	0.010262	0.020166	-0.001761	0.002348	-0.056262
250	-0.00571	-0.008244	-0.006476	0.00245	-0.007923	0.010903	0.006096	0.001144	-0.004255	0.016506	0.020651	-0.012098	-0.007013	0.001877
251	0.003073	-0.00273	0.001248	0.011351	-0.000579	0.020273	-0.001947	0.001867	-0.00898	0.009713	0.03561	0.002847	0.011337	-0.011245
252	-0.01114	-0.001922	-0.009414	-0.011324	-0.013091	0.003779	-0.069804	0.001119	0.014019	0.010771	0.022352	-0.001076	0.012275	-0.022891
253	0.000424	0.004376	0.000931	0.003537	-0.012037	-0.013798	-0.010453	0.007744	0.027539	0.013513	0.003556	-0.006423	-0.003574	-0.006029
254	0.005675	-0.003146	-0.004542	-0.001932	0.014693	0.016636	-0.004783	-0.029173	-0.015783	-0.003697	0.012287	0.008929	0.004602	0.005747
255	-0.000008	-0.008961	-0.004987	-0.005414	0.005108	0.012363	-0.013546	-0.015207	-0.022328	-0.013868	0.010456	0.006106	0.007547	0.011181
256	0.007246	0.000354	0.002967	0.003202	0.011465	-0.032403	-0.040651	-0.033503	-0.006594	-0.047494	-0.025389	-0.00907	-0.00728	0.004998
257	-0.010672	0.000064	-0.006375	-0.006944	0.001676	0.032538	0.008754	0.042574	0.018812	0.014964	0.004319	-0.003233	-0.004725	-0.011439
258	-0.003095	-0.000473	0.000918	0.003149	0.008799	0.015359	0.023477	0.031347	0.015907	0.005727	-0.007601	-0.018767	-0.010383	0.002551
259	0.002623	0.001157	0.00373	0.004253	-0.00148	0.023876	0.027073	0.01959	0.000516	0.00985	0.02106	0.001201	0.006596	-0.045406
260	-0.013414	-0.012733	-0.013363	-0.019842	-0.01609	0.017235	-0.013459	0.00772	-0.00822	0.01151	0.006397	-0.007159	0.015114	-0.020826
261	0.003282	0.000276	-0.000538	-0.003566	0.002386	0.007735	-0.017407	-0.00005	-0.002245	0.007775	-0.000119	-0.035892	0.005544	-0.003449
262	-0.00052	0.001047	-0.004198	-0.001466	0.00135	0.000679	-0.019589	0.01787	0.014977	0.013412	0.004645	-0.024271	0.009629	0.011758
263	-0.003397	0.003375	-0.002375	-0.004321	-0.007803	0.006687	-0.004827	0.028145	0.01891	0.015996	0.0124	-0.011023	0.007079	-0.003874
264	0.001981	0.002516	0.010797	0.001427	-0.005938	-0.00085	0.034642	0.0088	-0.015524	-0.011876	-0.01172	-0.001477	0.000282	-0.058179
265	0.016707	0.014948	0.018127	0.000419	0.012471	0.003093	0.01667	-0.044958	-0.013056	-0.002387	-0.019318	-0.015122	-0.012279	-0.015849
266	0.01844	0.010073	0.010802	-0.005088	0.01374	-0.002022	-0.030223	-0.050071	-0.014103	-0.009391	-0.017086	-0.021252	-0.004913	0.01507
267	0.0085	0.008611	0.006341	0.013317	0.000814	-0.050506	0.002052	-0.039037	0.008517	0.007235	-0.009872	0.008312	-0.000499	0.032665
268	0.003624	0.013945	0.011553	-0.000215	-0.013824	-0.019619	-0.006629	-0.006254	0.002562	0.01082	-0.006093	0.012303	-0.001943	-0.014274
269	0.002758	0.008375	0.007284	-0.001707	-0.012762	-0.014385	-0.010618	-0.006211	-0.002581	0.006241	-0.008224	0.011215	-0.0033	-0.002369
270	0.004388	0.009195	0.011618	-0.003757	-0.008287	-0.003907	-0.008234	0.004143	-0.008479	0.002264	-0.008618	0.00209	0.000274	-0.018134
271	0.000025	0.001122	-0.000645	-0.002871	-0.018469	-0.021371	0.033965	-0.016904	-0.000689	0.010385	0.014585	0.017747	0.022759	-0.00423
272	0.007299	0.004184	-0.003124	0.019326	0.025139	-0.004077	0.014556	-0.021773	-0.006267	0.000997	0.010098	-0.002334	0.001014	0.01247
273	0.000127	-0.001579	-0.001431	0.011785	0.011817	0.011932	0.003068	-0.011146	0.003374	0.017075	0.025925	-0.00517	-0.011629	-0.005898
274	-0.001366	-0.004815	-0.003718	0.008168	0.012433	0.017285	0.006237	-0.01137	0.000202	0.01363	0.020789	-0.0042	-0.009444	-0.004297
275	-0.010692	-0.020542	-0.006443	0.003266	0.013097	0.015166	-0.005823	0.003522	-0.014328	-0.009435	-0.004136	-0.009113	0.002089	0.001494
276	0.00102	-0.003789	-0.008388	-0.001181	0.014449	0.000093	0.002343	0.021305	0.020489	0.001656	-0.023778	-0.024378	0.00271	0.042935
277	0.003108	-0.003006	-0.001477	-0.009234	0.009984	-0.012755	0.005515	-0.002199	-0.012136	-0.010305	-0.006822	0.000913	0.006212	0.006155
278	0.006474	-0.004985	-0.002582	-0.01138	0.004338	-0.012135	0.005095	-0.009128	-0.02079	-0.012436	0.005328	0.00309	0.008705	0.003724
279	-0.001388	0.00059	0.001425	0.004195	0.007757	-0.003972	0.012385	-0.034044	-0.000912	0.006122	0.006773	0.006985	0.011784	-0.009585
280	0.010621	0.014073	0.015213	0.012568	0.018782	0.012009	0.019297	-0.010218	0.018514	0.006228	-0.010771	0.003389	-0.005516	-0.008839
281	0.009112	0.000638	-0.002185	-0.007352	-0.006956	-0.003963	0.002018	0.001332	-0.005468	-0.017528	-0.013158	-0.01032	-0.007633	-0.001762
282	0.006266	-0.004387	-0.005651	-0.01017	-0.005203	0.012204	0.006576	0.001585	-0.004376	-0.010426	0.007912	-0.001924	0.002657	-0.007301
283	0.002176	-0.002772	-0.002213	0.000066	-0.014214	-0.02224	-0.007792	-0.026927	0.012723	0.008929	-0.001115	-0.020962	0.006472	0.010432
284	-0.002641	0.003648	0.001184	-0.00056	0.001095	0.013794	0.027904	0.012617	0.009281	0.009716	0.006006	-0.006478	-0.009146	-0.012895
285	-0.003744	0.000592	-0.002049	-0.006106	-0.0017	0.02488	0.021235	0.015147	0.011348	0.015608	0.018249	0.003476	0.001004	-0.01803
286	-0.004806	-0.002104	-0.000954	-0.002145	0.009375	0.031164	0.042963	0.015764	-0.002526	-0.006288	0.000828	0.004167	-0.008217	-0.01938
287	-0.002513	-0.002056	0.00092	-0.002126	0.007958	0.027277	0.037933	0.012504	-0.005897	-0.007788	-0.000292	0.004176	-0.003771	-0.022542

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
288	0.007632	0.004675	0.012688	0.006961	-0.008551	-0.02958	0.027219	0.011689	-0.007669	-0.016799	-0.030876	-0.035072	-0.014713	-0.005507
289	0.009682	0.012218	0.009302	0.005067	0.009832	0.001955	-0.001893	0.006782	0.007477	0.012997	0.000751	-0.018525	0.006601	0.015812
290	0.011336	0.012617	0.018011	0.012504	-0.018194	-0.062161	-0.014619	-0.005969	-0.023796	-0.026726	-0.012078	-0.015908	-0.003169	-0.003165
291	0.011318	0.012686	0.017611	0.012613	-0.0147	-0.058676	-0.015352	-0.007809	-0.021914	-0.024773	-0.01051	-0.016429	-0.003183	-0.002778
292	0.007305	0.011491	0.014437	0.013703	-0.013291	-0.050589	-0.020478	-0.005503	-0.023652	-0.025664	-0.014891	-0.014206	-0.003987	-0.008108
293	0.004002	0.002445	0.003468	0.001573	-0.006303	-0.003635	0.005303	-0.000826	0.004827	-0.000977	-0.003927	-0.003807	-0.004006	0.01118
294	0.011627	0.007665	0.010906	0.005687	0.004901	-0.007565	0.000745	-0.004213	0.001626	0.00501	-0.003952	-0.003331	-0.001166	0.001629
295	0.001481	-0.00348	-0.003459	0.00649	0.014261	0.012365	-0.006827	-0.00586	0.014113	0.012133	0.02142	-0.018767	-0.01389	0.013869
296	0.003678	-0.003477	0.002643	0.010639	0.013946	0.006186	-0.019766	0.004198	-0.004595	-0.004815	-0.005548	-0.022325	-0.009235	0.002584
297	0.006096	-0.007495	-0.006305	0.002348	0.019023	0.015884	-0.014406	0.014018	0.016067	0.006643	0.016056	-0.020908	-0.012065	0.021819
298	0.001498	0.005841	-0.00287	-0.002872	-0.018552	-0.018553	-0.000571	-0.00412	-0.000686	-0.007896	-0.020775	-0.010634	-0.008758	0.016823
299	0.019826	0.014934	0.01439	0.009431	0.010189	0.015887	-0.013143	0.016936	0.016642	0.012096	0.014397	-0.019108	-0.01878	0.006282
300	-0.023538	-0.029656	-0.035859	-0.019658	0.012603	-0.019711	0.006048	-0.026549	-0.017134	-0.008865	-0.020889	-0.05183	-0.027083	0.017731
301	0.009141	0.012406	0.010455	0.005126	-0.007176	0.003767	-0.005001	0.027211	0.022726	0.019923	0.017999	-0.009375	-0.000325	0.00035
302	0.009029	0.015334	0.014407	0.00982	0.003363	0.008175	-0.002553	0.023262	0.014782	0.01517	0.005198	-0.003715	0.006981	-0.005312
303	0.014164	0.018287	0.013048	0.01333	0.018402	0.031796	-0.007302	0.021601	0.004838	0.005745	0.000658	-0.013807	-0.006006	0.001424
304	0.025796	0.028103	0.028222	0.024247	0.012632	0.018817	0.001447	0.018668	0.006564	0.000328	0.002576	-0.02575	-0.017257	-0.019045
305	0.027295	0.029568	0.021146	-0.007354	-0.008793	0.028486	0.003963	-0.014559	0.002133	0.005807	0.013222	0.010027	0.016689	-0.009191
306	-0.00357	0.001028	0.001169	0.018448	0.004017	-0.010025	0.011302	0.020637	0.037071	0.039139	0.040991	-0.043729	-0.007691	0.010259
307	-0.013027	-0.024324	-0.021752	-0.007021	0.010628	0.008666	0.010044	-0.040231	-0.00993	-0.016886	0.024749	-0.033945	-0.019224	-0.035911
308	-0.016864	-0.003595	-0.008947	-0.005549	0.008199	0.066931	0.070523	0.017851	-0.018801	-0.01389	0.006671	0.02471	-0.019165	-0.039691
309	0.012769	0.001204	0.009291	-0.001663	0.012189	0.006276	0.001354	-0.010426	0.003199	0.001565	0.003404	0.001195	0.002146	0.034195
310	-0.005269	-0.004921	0.00511	-0.002512	-0.013388	0.00019	-0.003024	-0.017929	0.00476	0.00809	0.007065	0.013101	0.004757	0.038107
311	-0.006938	-0.009342	-0.005789	-0.006377	-0.01035	-0.005492	0.003781	0.002021	-0.002117	-0.001924	-0.002266	0.000424	0.007823	0.003134
312	0.022198	0.0104	-0.001819	0.014367	0.054955	0.04336	-0.006293	0.03748	-0.010377	-0.031805	-0.031476	0.010205	-0.009196	0.025612
313	-0.000719	-0.002574	-0.003235	-0.002516	0.004565	0.021481	0.02124	0.03187	-0.003971	-0.003418	0.013032	-0.002132	-0.004384	0.005549
314	0.017298	-0.005248	-0.009613	-0.008702	0.030138	0.039947	-0.039151	-0.024887	0.001983	0.008057	0.047	-0.014424	-0.012604	0.016341
315	0.004207	-0.005487	-0.001517	-0.010615	0.016328	0.025584	-0.005276	0.00682	-0.009614	-0.008736	-0.010143	-0.010289	-0.011181	0.022755
316	0.00212	0.000009	0.004311	-0.003537	0.005694	0.013485	0.015354	0.011577	0.003134	0.000866	-0.020265	-0.005084	0.011563	0.045144
317	-0.001114	-0.00848	-0.007483	-0.015216	0.006632	0.0044	-0.01468	-0.004628	-0.003707	-0.001521	-0.004143	-0.004871	-0.000348	0.029093
318	-0.015491	-0.017864	-0.017	-0.024373	-0.029959	0.011257	-0.003451	0.007311	-0.000394	0.00487	0.013977	0.00499	-0.007315	-0.007284
319	0.000947	-0.009547	-0.004549	-0.008533	0.016664	0.016111	-0.017464	-0.006238	-0.003914	-0.005234	-0.005644	-0.00313	-0.009084	0.030718
320	0.004084	0.008085	0.005862	0.012599	0.011706	-0.00276	0.002446	-0.001361	0.00682	-0.005645	-0.004138	0.016721	-0.004015	0.008406
321	0.00082	0.000814	0.003334	0.002473	-0.002518	-0.011952	-0.002458	0.019806	0.014874	0.017669	0.030538	-0.030208	-0.017677	-0.018419
322	0.010466	0.027124	0.02195	0.007169	-0.00075	0.023455	0.00858	0.007951	0.01262	0.012061	-0.006387	0.005117	-0.020787	0.002247
323	-0.002621	0.010482	-0.000231	0.000911	-0.002999	0.016087	-0.00682	0.028315	0.031461	0.03122	0.034772	0.004074	-0.010738	0.0075
324	0.008548	0.011594	0.015837	0.000094	-0.024458	-0.007067	0.042505	-0.005698	0.015528	0.020709	-0.00765	-0.013357	0.000574	-0.03354
325	0.003686	-0.005355	0.00291	-0.005656	0.00768	-0.012444	0.003925	-0.006379	-0.011714	-0.012315	-0.044231	-0.016227	-0.000264	0.028717
326	-0.012982	-0.005646	-0.004177	-0.011185	-0.016345	-0.03894	0.013564	-0.006108	-0.015206	-0.019002	-0.031567	0.000056	0.000688	-0.006663
327	-0.000272	0.004717	0.002848	0.004553	0.003725	0.004626	0.01248	-0.000821	-0.000101	0.003464	-0.008061	-0.004775	-0.00576	0.008569
328	0.032685	0.030242	0.024394	0.00937	0.014283	-0.004075	-0.009361	0.004657	0.01193	-0.01401	-0.006651	-0.004186	0.014287	-0.023322

	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK
329	-0.004153	0.004245	-0.00247	-0.003101	0.002365	0.011281	-0.008251	0.041015	-0.003812	0.005435	0.004652	0.019252	0.013547	-0.002472
330	-0.028568	-0.005916	-0.016561	-0.021342	-0.032222	-0.026717	-0.065121	0.017215	0.017455	-0.000196	-0.038697	-0.009003	0.001748	0.010653
331	-0.000803	0.003036	0.004571	0.001853	0.003883	-0.015195	0.021511	0.00199	-0.006857	-0.00524	-0.02012	-0.006036	-0.007676	0.006708
332	-0.021681	-0.015281	-0.011438	-0.013779	-0.021828	-0.032626	-0.028047	-0.015418	0.027275	-0.002054	-0.013053	-0.004215	0.020405	0.004305
333	-0.004015	-0.007792	-0.000528	-0.006313	0.002329	-0.018497	0.00049	-0.001393	-0.006851	-0.006743	-0.018494	-0.012222	-0.00737	0.013699
334	0.000682	-0.004823	-0.009162	0.003753	0.022675	0.036218	-0.024312	0.027161	-0.005709	0.001423	0.008594	0.017381	0.017947	0.026475
335	0.00501	0.002497	0.00621	0.004719	0.007399	-0.013658	0.007351	-0.019853	-0.00307	-0.006493	-0.017727	0.006361	-0.001663	0.018295
336	0.010801	0.004007	0.013746	0.007107	-0.001648	-0.037123	0.022964	-0.037088	0.017427	0.017727	0.023475	-0.05005	-0.044206	0.021598
337	0.01271	0.012401	0.011214	0.006934	0.006776	0.011037	-0.009814	0.016192	0.000465	-0.006242	0.002602	-0.013656	-0.003862	-0.005503
338	-0.005214	0.00949	0.005191	0.020402	-0.009281	0.036193	-0.038918	-0.029632	0.01533	0.02589	0.027738	0.006562	-0.003734	-0.005666
339	-0.005514	-0.00256	-0.006372	-0.005977	-0.008741	-0.027481	0.009907	0.000167	-0.005836	-0.016355	0.000611	-0.009649	0.008727	-0.016087
340	-0.021993	-0.009467	-0.015149	-0.0355	-0.010538	0.056406	-0.046573	-0.001786	0.014618	0.020121	0.03034	0.014265	-0.021029	-0.039942

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
1	0.032567	0.01452	0.036924	0.017773	0.004642	0.03566	0.001731	-0.04893	0.005495	0.00301	-0.016061	0.125459	-0.088361	0.008772
2	-0.020862	0.037142	0.010635	0.065779	0.048583	-0.043971	0.009048	-0.005288	0.028159	-0.009216	-0.018871	0.161607	0.037066	-0.045407
3	0.079736	0.047872	0.05217	0.049178	0.081161	-0.024073	-0.00541	-0.046999	-0.164226	-0.019371	-0.036122	-0.077514	0.028532	-0.033756
4	0.013731	0.062935	0.0077	0.025898	-0.008278	0.023043	-0.06644	0.098014	0.021941	0.095426	-0.026944	0.051361	0.065143	0.104367
5	-0.039106	0.031908	-0.034291	-0.01416	-0.0338	0.013052	-0.010286	-0.060999	0.098081	-0.046993	-0.008548	-0.028504	0.016968	0.023922
6	-0.033899	0.014153	0.026754	-0.009764	0.029001	0.024113	-0.012467	-0.029075	0.089897	0.003779	0.003073	-0.021594	-0.105505	0.055981
7	0.011627	-0.087445	-0.055967	-0.089255	-0.047309	0.041842	-0.041843	-0.025933	0.031555	-0.027121	-0.04941	0.033387	-0.009943	-0.126147
8	-0.080374	-0.094662	-0.0935	-0.075173	-0.071308	-0.017626	0.078816	0.001596	-0.048966	-0.022285	0.034647	0.069057	0.027068	0.115476
9	-0.046106	-0.011177	-0.007432	-0.023091	-0.036345	0.030939	-0.015501	-0.020968	-0.000683	-0.033176	-0.042193	-0.012053	0.100915	-0.016172
10	-0.033759	-0.069529	-0.005266	0.019066	0.046139	-0.024787	0.003341	0.0946	-0.057096	0.040419	-0.002922	0.030246	-0.03469	-0.040266
11	-0.042442	0.060797	0.013405	0.042963	0.013138	-0.026594	-0.064329	0.072926	-0.046623	-0.014029	-0.007652	0.032337	0.035058	0.141958
12	0.046073	0.050615	-0.003385	-0.005245	-0.015896	-0.011918	-0.031121	-0.082748	-0.011562	-0.006124	-0.033531	0.005817	0.036075	0.032672
13	0.130649	0.053935	-0.08842	-0.02455	0.002878	-0.053751	-0.030456	-0.048583	0.070659	-0.009059	-0.010477	0.013573	-0.082034	0.036686
14	-0.012989	-0.019989	-0.025338	-0.005617	0.057901	0.023759	-0.009836	-0.11486	0.082849	-0.113317	0.094141	-0.053617	-0.021967	0.036931
15	-0.000373	-0.010142	-0.074009	-0.05965	0.000553	-0.052811	0.014459	-0.103527	0.011369	-0.035029	-0.060344	-0.148783	-0.020558	0.068001
16	-0.003042	0.057695	-0.022981	-0.020019	0.030983	0.017865	-0.01848	0.043252	0.008498	0.068259	0.019601	0.024782	-0.000258	-0.162386
17	-0.038284	-0.024964	-0.010239	-0.058732	-0.022239	0.058721	-0.011851	0.036768	-0.045488	0.051584	0.081406	-0.065432	0.020185	-0.131137
18	0.027334	-0.11238	-0.015616	0.034607	0.0622	-0.007042	-0.105056	-0.096495	0.026519	0.005331	0.050483	0.136607	-0.052372	0.059259
19	0.031095	0.137824	0.036304	0.014601	-0.025256	0.040644	-0.044245	0.052486	-0.036476	0.065399	0.077299	0.035676	0.043816	-0.065983
20	0.002277	-0.081489	0.128558	0.043538	-0.014755	0.091827	-0.042434	0.134793	-0.000408	0.144179	-0.008382	0.03785	0.113717	0.219248
21	0.013045	-0.058066	-0.024734	-0.014802	-0.010914	-0.158158	-0.100157	-0.01729	0.01725	-0.085838	-0.062319	-0.014237	0.020535	0.064501
22	-0.021982	-0.053111	-0.026115	0.009829	0.02325	-0.023786	0.11603	-0.04611	-0.087508	-0.05148	0.108386	-0.076229	-0.088543	-0.104513
23	-0.004198	0.003861	-0.021722	-0.002162	0.015363	-0.032341	-0.033694	-0.017222	-0.049165	0.058106	0.048874	-0.007521	0.008186	-0.042295
24	-0.029634	0.016788	0.062079	0.0089	0.096823	-0.010691	0.091076	-0.043054	0.16993	0.009426	0.06377	-0.008925	0.019471	0.009695
25	-0.063631	0.017699	0.007613	0.069063	0.007468	0.051466	0.106917	-0.007318	0.017346	0.037087	0.008536	-0.04348	-0.138151	-0.016346
26	-0.028059	0.019254	-0.001859	0.022017	-0.001313	-0.046318	0.300831	0.019048	-0.129262	-0.049581	0.006793	-0.058692	0.07905	-0.013129
27	0.020833	-0.010662	-0.03934	-0.030421	0.062299	-0.018412	-0.068442	0.044209	0.029977	0.031626	-0.014694	-0.01546	-0.073941	0.031347
28	-0.062213	-0.039012	-0.010645	-0.001393	-0.015556	-0.119312	-0.104967	-0.050967	0.091123	-0.037179	-0.002214	-0.133159	-0.083986	0.040188
29	0.010257	0.024021	0.020929	0.012561	0.013009	-0.024646	0.030627	-0.013298	-0.034154	-0.027949	-0.008419	-0.018934	-0.02084	0.040227
30	-0.03069	0.016815	0.12717	0.044533	0.055522	0.08594	-0.025925	0.004117	-0.03522	0.062388	-0.100294	-0.025391	0.086125	-0.063212
31	-0.003928	0.021257	0.015731	-0.048077	-0.02281	0.077067	-0.135619	0.008054	0.015918	0.046629	-0.027237	0.030421	-0.032787	-0.049921
32	-0.007955	-0.047833	-0.032829	0.002074	0.04445	-0.03845	0.030003	-0.026101	-0.134761	-0.059217	0.030401	-0.135653	0.033824	-0.127469
33	0.014722	0.061804	-0.053135	0.011448	0.010555	-0.020205	-0.046487	0.008407	-0.010003	-0.059207	0.053839	0.031642	0.172863	0.09387
34	-0.017223	0.025584	-0.032646	-0.00285	-0.010687	-0.082875	0.164099	-0.028349	0.133123	0.054125	-0.086455	0.117982	0.067132	-0.120436
35	0.021689	0.023929	0.055061	0.006717	0.010669	0.107542	-0.083361	0.069737	0.055871	0.131406	0.056592	0.043042	-0.07023	0.066369
36	0.016183	0.026172	0.007247	0.008383	-0.046615	0.075315	0.056072	0.020963	0.105269	0.022491	0.05696	0.122659	-0.175719	-0.010183
37	0.0147	0.011746	0.045858	0.008269	-0.026063	0.108799	-0.054197	0.066355	-0.047924	0.014826	0.020789	0.059989	0.102832	-0.092292
38	-0.000026	-0.080548	-0.034776	-0.041467	-0.087904	-0.032056	-0.095184	-0.019464	-0.128733	-0.070698	-0.015416	0.103868	-0.202455	0.073127
39	0.043583	-0.027569	-0.040437	0.007323	0.117012	0.051727	-0.126306	0.109055	0.008103	-0.003508	0.043731	-0.116241	0.014935	-0.055205
40	-0.001598	-0.002378	0.005272	-0.001554	-0.006585	0.031582	0.007073	0.041784	0.000271	0.01427	0.031718	0.000721	0.018176	-0.009645
41	0.039903	0.064775	-0.04081	-0.037825	-0.018553	-0.01683	-0.013711	0.016182	-0.081989	-0.039065	-0.01225	-0.00053	-0.12066	-0.046573

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
42	-0.012167	-0.01351	0.027375	0.080325	0.101072	0.040219	-0.095332	-0.136206	-0.001021	0.001784	-0.039639	0.146602	-0.058203	0.053099
43	0.004993	0.016939	0.000003	-0.005357	-0.062319	-0.029196	0.012447	-0.031336	0.016515	-0.011963	-0.033772	-0.054467	-0.049775	-0.002486
44	-0.003316	0.030471	-0.089298	-0.062177	-0.058562	-0.023473	0.039709	0.047744	0.022941	-0.02649	-0.037811	0.025403	0.087181	-0.0299
45	-0.015757	-0.041156	-0.038311	-0.054878	-0.001056	0.007003	0.064938	0.015232	-0.043059	-0.015742	-0.065265	-0.062252	-0.051273	0.023217
46	-0.018485	0.035113	0.013542	-0.006142	-0.049969	0.09691	-0.020746	0.110081	-0.003953	0.053466	-0.01051	-0.008429	-0.060135	-0.054287
47	-0.026781	0.024652	0.01329	0.032963	-0.061118	0.04067	-0.025785	0.015995	-0.012899	0.021573	0.000747	-0.135914	-0.037035	0.090796
48	0.020253	0.021379	0.024053	0.047622	0.026442	0.069367	0.075801	-0.002296	-0.095692	0.004566	0.057751	-0.039468	0.043514	-0.00031
49	0.044832	-0.043493	0.024503	0.02779	-0.043504	0.10099	-0.040333	0.055128	0.025548	0.126859	-0.12554	-0.041004	-0.0501	-0.062458
50	0.023689	0.054659	0.028362	0.015861	-0.036769	0.027121	0.136436	-0.0238	-0.06883	0.021318	0.061695	0.041197	0.016763	-0.153258
51	-0.07942	-0.04473	-0.031968	0.02028	-0.016298	-0.022628	0.006895	-0.057353	-0.127557	-0.00889	-0.066508	0.046026	0.027186	-0.085664
52	-0.009977	0.012456	0.031565	0.067606	0.033672	0.002963	-0.108997	-0.007554	0.033211	0.062591	-0.097036	0.025842	0.047045	0.019762
53	-0.057625	-0.012181	-0.013657	-0.00481	0.018584	-0.054244	-0.008199	0.005645	-0.095942	-0.005925	0.058132	-0.059358	-0.0381	0.071909
54	0.108965	0.043695	-0.025611	-0.016872	0.055724	-0.021539	0.018008	-0.008761	-0.088996	0.037607	0.065777	0.027387	-0.042992	0.038542
55	-0.057385	0.094106	-0.169964	-0.069363	-0.034409	-0.097744	-0.025385	-0.061033	0.041366	-0.029688	0.072119	-0.020489	0.078613	0.073417
56	-0.006966	0.02607	0.112125	0.078701	-0.030107	-0.060754	0.037551	-0.024924	0.120136	-0.117343	-0.057436	0.033022	0.086436	0.011122
57	-0.086549	-0.107168	-0.029009	-0.028511	-0.046368	0.015772	-0.013293	0.081724	0.020195	0.013421	-0.010806	0.052769	-0.143867	-0.067412
58	0.064982	0.076865	-0.055508	-0.0705	-0.118909	0.021414	-0.056184	0.037105	-0.014721	0.011147	0.029769	-0.091829	0.062428	-0.053202
59	-0.033346	0.032339	0.054229	0.051529	-0.00938	0.047689	0.026674	-0.084415	-0.013253	0.030391	0.130434	-0.010625	-0.015949	0.040322
60	0.000887	0.015711	0.00022	0.008555	-0.015073	-0.006079	0.002577	-0.01852	-0.011958	-0.002214	-0.032227	0.017577	-0.030415	0.021085
61	-0.000971	-0.006787	-0.005379	-0.01814	0.002299	0.017843	0.019855	0.003067	0.007086	0.02853	0.010829	0.039311	0.009566	0.002719
62	0.030164	0.023687	0.005917	0.00709	-0.002186	-0.015483	-0.00048	-0.014242	0.007874	0.013375	-0.035889	0.040204	0.016908	0.018591
63	-0.01471	-0.022379	-0.001317	-0.007596	0.014725	0.005746	0.01824	0.020732	-0.000559	0.008007	0.007375	0.02095	0.041426	0.009533
64	0.007044	-0.004617	-0.008951	-0.018159	-0.023822	0.030536	0.008646	0.024528	0.033302	0.041921	-0.024745	0.008209	0.034118	-0.016664
65	0.010331	0.011789	0.010499	0.020452	-0.004954	-0.008175	0.041414	-0.005755	-0.008439	-0.000574	-0.023196	-0.006768	0.026348	-0.013624
66	-0.020147	-0.000456	-0.002784	-0.02877	-0.026961	0.003088	0.006298	0.039607	0.004862	-0.006549	0.018351	0.005123	0.049942	-0.026538
67	-0.024135	0.004418	0.016034	-0.010633	-0.011183	0.00121	0.022835	-0.002496	0.000622	-0.012419	0.039127	-0.006261	0.00559	0.017827
68	-0.024118	0.007281	0.003418	0.017875	-0.007071	0.008159	-0.000739	-0.010539	-0.017239	0.014939	0.032606	0.042654	0.021744	-0.034542
69	-0.010314	-0.013567	-0.015422	-0.015205	-0.000643	-0.000336	0.025482	-0.024245	0.004285	0.005644	-0.002563	-0.023253	0.011794	-0.00618
70	0.007004	-0.002566	0.008564	-0.013377	-0.015604	0.000071	0.001916	0.034908	0.012644	0.009278	-0.019775	0.034138	0.032024	0.021656
71	0.013868	0.004212	0.007082	0.022945	0.01129	0.011199	0.026466	-0.015788	-0.074954	0.006868	-0.02766	0.003783	-0.002169	-0.021593
72	0.010326	0.024889	0.005538	0.013021	-0.000144	0.026487	0.022229	-0.040453	-0.036733	0.007387	-0.013322	-0.037246	-0.029916	0.046668
73	0.01034	0.022607	0.041103	0.020279	0.021243	0.030275	0.025257	0.020437	-0.064236	-0.018015	0.018803	-0.007375	0.031303	0.004323
74	0.032929	0.048667	-0.009598	-0.000947	-0.008301	-0.01016	-0.017593	0.024294	-0.034935	0.023049	0.006218	-0.025264	0.044952	-0.002515
75	0.009327	0.004773	-0.006858	-0.003299	-0.00265	0.014051	0.011504	0.029002	-0.005042	0.012133	-0.004517	-0.007492	0.018718	-0.005111
76	0.015004	-0.008501	-0.013421	-0.013799	0.013893	-0.003173	-0.007718	0.041161	-0.013574	0.024903	-0.014256	-0.025042	0.01163	0.010777
77	0.007127	-0.003775	-0.00649	-0.007156	-0.003286	0.006999	0.020877	0.023677	-0.01116	0.005669	-0.009174	-0.006212	0.020423	-0.007881
78	0.006525	0.003333	-0.00043	-0.0006	-0.002218	0.013967	0.010635	0.017456	-0.007116	0.009044	-0.000158	0.008702	0.02609	-0.008481
79	0.003661	0.005632	-0.017039	-0.018069	-0.021832	0.026983	0.016717	0.058899	-0.004832	0.030471	-0.001119	-0.015726	0.028228	-0.015938
80	0.045791	0.028502	-0.03673	-0.027495	-0.000935	-0.019456	0.041681	-0.042249	0.001154	0.016095	-0.000051	0.085595	-0.023183	-0.02498
81	0.003945	-0.010055	-0.003138	0.014436	0.018687	-0.011918	-0.008476	0.012201	0.047174	0.019181	0.011574	-0.051607	0.062546	0.083354
82	0.003121	-0.010243	-0.003957	-0.003667	-0.016909	0.008257	-0.007591	-0.006651	-0.010375	0.003087	-0.008441	0.019171	-0.044327	0.005305

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
83	0.004216	-0.00623	-0.00894	0.000531	-0.001668	-0.008325	-0.024009	-0.009724	-0.012762	0.003953	-0.013335	0.026358	-0.026053	-0.000408
84	0.015418	-0.010909	-0.001288	0.004523	0.00095	-0.007459	-0.012559	-0.016052	-0.033838	-0.001538	-0.007869	0.027465	-0.026892	0.001533
85	0.011103	0.017871	-0.018972	-0.006093	0.007036	0.056314	0.03163	0.004929	0.019222	0.014149	0.07592	-0.010582	-0.014422	0.000389
86	0.004168	0.001421	0.009581	0.014339	0.024437	0.010192	0.007052	-0.002515	-0.013298	0.002665	-0.005403	0.01129	-0.02152	-0.012264
87	-0.000892	0.008208	0.010119	0.020691	0.019084	-0.004935	-0.010805	-0.019568	-0.052702	0.02729	-0.036104	0.064138	-0.01428	-0.005657
88	0.001589	-0.012049	0.005102	0.000151	-0.004487	-0.000603	-0.020707	-0.027288	-0.015719	-0.007397	-0.004437	0.020614	-0.01662	-0.008777
89	-0.002363	-0.002591	0.003603	0.009476	-0.007064	-0.009704	-0.016373	-0.02817	-0.019566	0.002453	0.000514	0.034664	-0.014185	-0.007161
90	0.009511	0.010799	-0.002025	0.008649	-0.00333	-0.016182	0.001273	-0.023651	-0.019138	0.011358	-0.010706	0.033853	0.001545	-0.007112
91	0.017247	0.00534	-0.000249	-0.002325	-0.017917	0.013126	0.017718	0.000541	0.014762	-0.001451	0.009531	0.009498	-0.029035	-0.005255
92	0.030593	0.008776	0.04786	0.036668	0.041147	0.037002	-0.020922	0.001851	0.026379	0.012193	0.019718	-0.038842	0.010258	0.049292
93	0.014483	-0.006515	-0.004384	-0.005994	-0.007898	-0.014655	0.018079	0.001097	0.001985	0.000255	-0.02328	0.011977	-0.011648	-0.0129
94	0.016671	0.016233	0.010196	-0.003386	-0.0023	0.031264	-0.014403	-0.011819	-0.01615	-0.019792	0.02736	0.04097	-0.014409	-0.029395
95	-0.051277	-0.010806	-0.034121	-0.014659	-0.007963	-0.045712	0.021919	-0.023685	0.007951	-0.026579	0.028712	0.007296	0.003242	0.002808
96	-0.008116	-0.012965	0.037466	0.007094	-0.01919	0.038111	0.021719	0.027822	-0.058815	-0.003335	0.022631	-0.000027	-0.03926	0.015793
97	0.009589	0.005157	-0.005565	0.005562	0.006035	-0.001852	-0.029365	0.019509	-0.005627	0.030225	0.000769	0.026432	0.026052	0.013424
98	0.010544	0.003004	-0.011498	-0.018567	-0.004581	0.017438	-0.002315	0.000484	-0.008272	0.01645	0.001071	0.000736	-0.019453	0.008532
99	0.010244	0.001326	0.008479	0.008272	0.002467	0.012746	0.006733	-0.002849	-0.020673	0.006087	0.018999	-0.01331	-0.003835	-0.014368
100	-0.027963	-0.005053	0.0001	-0.005518	-0.011382	0.007024	0.024277	-0.005349	-0.026898	0.019635	-0.009728	-0.011704	0.021351	0.017108
101	0.025552	0.011907	-0.022407	-0.032157	-0.017224	0.015577	-0.014475	0.024294	-0.018051	0.026342	0.007426	0.015699	0.000844	-0.002767
102	-0.044181	-0.066059	0.027354	0.018529	0.039771	0.00747	0.03036	0.006255	-0.003269	0.018097	0.017294	0.03118	-0.033617	0.021022
103	-0.021874	-0.013243	-0.017924	-0.012807	-0.017696	-0.022943	-0.019791	-0.007238	0.046756	0.015652	-0.029228	0.006154	0.006363	-0.052599
104	0.023303	0.014855	0.002405	-0.004262	-0.039308	-0.011257	-0.003518	-0.016463	-0.014342	0.011793	-0.018571	-0.00514	0.003349	-0.022554
105	0.004505	-0.018541	0.01644	0.027406	-0.006841	-0.00311	-0.022027	-0.063557	-0.08688	-0.023982	-0.064303	0.004487	0.003789	-0.019739
106	0.001588	-0.004885	0.011277	-0.005908	0.030943	-0.0018	-0.039763	0.026483	0.047842	-0.01398	-0.034361	0.019801	0.001745	-0.005614
107	0.00946	0.007464	0.011333	0.016199	0.029099	-0.002421	0.011279	-0.00146	-0.027759	-0.005402	0.026006	0.033227	0.009366	-0.004332
108	0.048534	-0.000531	-0.011063	-0.011998	0.023883	-0.008494	0.009615	-0.000854	0.000364	0.022523	0.020378	0.020957	-0.035136	-0.088561
109	0.02507	0.000972	-0.000127	0.007138	0.05469	0.052727	0.001449	-0.040469	-0.020798	0.015253	0.037717	0.002464	-0.060973	-0.003865
110	0.012222	0.017381	-0.046983	-0.024693	-0.003385	0.043931	0.01855	0.008457	0.001905	0.017462	0.020303	0.028668	0.014716	0.000988
111	0.025697	-0.011833	-0.018301	-0.008482	0.043022	0.003659	-0.006148	0.049248	-0.057399	0.00836	0.031551	-0.031362	-0.010942	-0.002672
112	0.006661	-0.015188	0.008727	-0.019158	0.005939	-0.045786	0.036199	-0.01467	0.008095	-0.028558	-0.011027	-0.04123	0.018211	-0.048317
113	0.020315	0.004413	0.016671	0.00485	0.039296	0.031198	-0.025807	0.013192	0.023015	-0.001393	0.039718	0.016731	-0.025238	-0.037806
114	0.030903	0.045795	-0.022333	-0.029902	-0.02922	-0.008799	-0.012058	-0.023782	0.023663	-0.025515	-0.015141	0.029187	0.096292	-0.05014
115	0.027545	-0.026523	-0.019633	-0.039682	-0.030493	-0.004002	-0.040314	0.039694	0.022066	-0.025241	-0.03129	-0.030567	0.007058	-0.047603
116	-0.000487	0.008337	-0.010469	-0.009736	0.023843	0.000609	0.053829	0.020418	-0.093066	0.046512	0.016571	-0.077831	0.088455	0.039309
117	0.000935	-0.02657	0.007429	0.006436	0.000981	-0.041709	-0.012505	0.042759	-0.010038	-0.009784	-0.034027	-0.075412	0.006197	0.02295
118	0.021067	-0.006477	0.021594	0.014457	-0.024889	-0.021874	0.030917	-0.004228	-0.051875	0.021098	-0.011855	0.044523	-0.036028	0.013385
119	-0.014299	-0.009856	-0.009338	-0.008058	-0.007554	-0.022036	0.020997	-0.027113	-0.014494	-0.021212	-0.008445	-0.021453	0.019705	-0.016091
120	-0.010678	-0.016551	0.002466	-0.000549	-0.008812	-0.024589	-0.008576	0.039724	0.005093	0.011661	-0.004729	-0.058309	0.057539	0.017191
121	0.003433	-0.005802	-0.007712	-0.003112	0.008483	-0.005349	-0.001718	-0.00633	0.026901	-0.012527	-0.002669	-0.013815	0.017418	-0.00385
122	-0.001212	-0.026081	-0.022865	-0.022047	0.005233	-0.017312	-0.009986	0.026935	-0.00557	-0.012639	-0.008438	0.003775	-0.015606	0.003278
123	-0.017059	-0.024178	-0.035061	-0.016651	-0.012629	-0.023437	0.030532	-0.001614	0.010674	-0.017997	-0.004167	0.014747	0.020955	-0.00891

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
124	-0.005863	0.001434	-0.017887	-0.010201	0.000569	-0.043146	0.031276	-0.015509	-0.015584	-0.013045	-0.009871	-0.003597	0.054864	-0.02045
125	-0.00253	-0.035687	-0.019242	0.000476	-0.02382	-0.013609	0.02326	-0.025987	-0.000383	-0.004224	-0.001301	-0.00299	-0.062033	-0.018182
126	0.00047	-0.008495	0.018196	0.02463	0.029321	-0.024071	0.020838	-0.027724	-0.020114	-0.021379	-0.019683	0.003516	-0.025364	0.006536
127	-0.014853	-0.012266	0.020435	0.022017	0.014168	0.003855	-0.003781	-0.013658	-0.02444	-0.008667	-0.021843	0.008266	-0.037526	0.010221
128	-0.000828	0.018894	0.000239	0.008009	-0.039398	-0.018758	0.010752	-0.026619	0.000882	-0.012492	-0.029196	0.004728	-0.006755	0.030574
129	0.013732	-0.016394	-0.006589	0.006403	0.046343	-0.01035	-0.065706	-0.03713	0.032395	-0.043073	-0.029341	-0.081758	0.064459	-0.004379
130	0.015709	0.002514	0.024139	-0.004606	-0.009875	-0.004604	-0.029306	0.029608	0.057607	-0.001686	-0.00927	-0.007028	0.018244	-0.02318
131	-0.015401	0.011681	-0.022912	0.00645	-0.009697	0.004348	0.009884	0.014564	-0.081634	0.020153	-0.015647	-0.012423	0.02821	-0.072278
132	0.008044	0.003087	0.001315	0.000712	-0.027563	-0.001549	-0.024629	-0.01084	0.001274	0.02156	-0.005153	-0.015226	-0.008926	0.00391
133	0.006625	0.018632	-0.012995	0.02061	-0.02614	0.02569	0.013217	-0.038448	-0.018797	-0.004207	-0.008302	0.048392	-0.023452	-0.013395
134	0.000545	-0.023606	-0.016006	-0.040983	-0.050379	0.001729	0.050727	0.022595	-0.030899	-0.034736	0.032164	-0.032531	-0.045688	-0.062539
135	-0.005021	0.000677	0.009946	0.005806	-0.020164	-0.005944	0.015634	-0.011764	-0.017942	-0.003709	0.003064	-0.014376	-0.0108	-0.001208
136	-0.002138	0.001976	-0.00222	0.009882	-0.0017	0.053902	-0.000457	0.0328	-0.051418	0.017592	0.014174	-0.005563	0.004486	0.015609
137	0.00044	0.021959	-0.013679	-0.010694	-0.01522	-0.012527	-0.040359	-0.030104	-0.004531	0.007477	-0.011603	0.030366	-0.037231	0.003872
138	0.035026	0.007254	0.0311	0.024824	0.024438	-0.000686	-0.078046	0.039973	0.007543	0.042943	0.003754	0.007318	-0.050905	0.057499
139	0.03993	0.006588	-0.028047	-0.044898	0.036811	0.02477	0.02686	-0.050578	-0.041739	-0.003526	0.017865	-0.002684	-0.0871	-0.044915
140	0.041856	0.017998	-0.008572	-0.020245	-0.034835	0.011732	-0.028497	0.009423	0.031166	0.003464	0.0005	0.010986	-0.099388	0.015768
141	-0.030496	-0.005952	0.029362	0.022428	-0.027116	-0.009956	-0.025548	-0.031936	-0.017402	-0.006787	0.004112	0.010069	-0.020409	0.032849
142	0.009493	0.016448	0.009676	0.018147	0.046788	0.01888	-0.045032	0.052796	0.053366	0.032802	0.011961	0.002274	0.032554	-0.028262
143	0.009439	-0.008976	-0.007598	-0.009712	-0.023415	0.02352	-0.011732	0.037703	0.018863	0.018802	-0.007276	-0.004605	-0.006438	-0.03125
144	-0.028205	-0.012251	-0.001712	-0.002086	0.004223	0.002006	0.000482	0.011225	0.022487	0.002491	0.000422	-0.00617	0.022993	-0.010664
145	0.013308	0.005067	-0.01095	-0.010708	-0.032769	0.021437	0.006197	0.02773	0.038151	0.002927	-0.043373	0.040311	-0.003033	0.009746
146	-0.003205	0.000134	0.011895	0.008923	-0.008605	-0.006934	0.027341	-0.006076	-0.007109	0.011797	0.018565	-0.022076	0.013971	0.002239
147	-0.003956	-0.007789	0.028832	0.023875	0.035493	0.007556	-0.05248	0.015953	0.066146	0.005001	0.003329	-0.024895	0.003137	-0.046141
148	-0.009183	0.012319	-0.031146	-0.030733	0.015887	-0.046037	-0.009197	0.053322	-0.072892	0.01026	-0.024713	-0.003654	-0.016563	-0.024739
149	0.004214	0.012295	-0.013165	-0.020025	-0.067593	0.013603	-0.051754	0.022709	-0.025668	-0.002601	-0.01574	0.001018	0.002788	0.003114
150	0.030961	-0.019551	0.003885	-0.001104	0.014502	-0.021758	0.039819	0.008985	0.016409	0.014966	0.001289	-0.027887	0.018862	-0.011866
151	0.001407	-0.038799	-0.026719	-0.05553	-0.030416	0.001047	-0.005164	-0.058373	0.041461	-0.061592	0.005751	-0.028946	-0.078599	0.02464
152	-0.016292	-0.006334	0.004115	0.013984	0.018247	0.00971	0.007509	-0.004989	-0.017818	-0.015131	0.017111	-0.042806	-0.028307	-0.024742
153	-0.017656	0.002658	0.021173	0.033938	0.028492	0.017659	0.063251	-0.028001	-0.011579	0.02133	0.036706	-0.006972	0.027891	-0.029062
154	-0.008444	0.002793	0.018305	0.028225	0.022887	0.031106	0.00943	0.039155	-0.011644	0.019605	0.0151	-0.009538	0.026757	-0.000571
155	0.011687	-0.018972	-0.007096	0.011952	0.000622	-0.00643	0.024507	-0.008958	0.001985	0.021481	-0.027273	0.021252	0.010859	0.003431
156	-0.013358	0.00472	0.024709	0.036024	-0.017482	0.018606	0.040595	0.019135	-0.023906	0.017441	0.001777	-0.000106	0.009275	-0.0289
157	0.010759	-0.010484	-0.012	-0.009412	-0.011006	-0.017254	-0.014182	0.0096	0.020965	0.004299	-0.005238	-0.035501	-0.006098	0.059743
158	-0.008275	-0.004655	-0.021317	-0.013021	-0.02615	0.011102	0.013576	-0.033964	-0.035014	0.013062	0.013198	0.083707	0.012894	-0.057594
159	0.01776	0.030941	-0.011561	-0.005077	-0.013259	-0.030619	-0.010602	-0.04646	0.032027	-0.020924	-0.061	-0.026686	-0.011525	0.08375
160	-0.002673	0.028379	-0.022688	-0.004411	0.000073	-0.007644	0.018131	-0.028946	-0.021661	-0.032972	-0.003815	0.02233	-0.02538	0.016566
161	-0.001613	0.024086	0.000116	-0.008382	0.002798	-0.004617	-0.018055	-0.010819	-0.060879	0.026744	0.011492	-0.04164	0.054442	-0.014394
162	-0.002534	-0.002916	0.009815	-0.002911	-0.009446	0.005769	-0.039976	0.007053	-0.020922	0.012861	0.003111	0.006636	-0.004845	0.028593
163	-0.013261	-0.001142	-0.001206	0.003898	0.012603	-0.014217	-0.045484	0.01707	0.003644	0.000758	-0.00592	-0.011047	-0.027756	-0.0101
164	-0.009017	-0.007551	0.007204	0.007813	-0.020741	0.011105	-0.059294	-0.057684	0.014043	-0.015363	-0.019127	0.040518	-0.057867	0.02017

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
165	0.02079	-0.045591	-0.005481	0.014167	0.00754	-0.037478	-0.013431	-0.03296	-0.064898	-0.066061	-0.008908	-0.038499	-0.060879	0.035608
166	0.013035	0.009808	-0.028832	-0.022669	0.012606	-0.025948	-0.047821	-0.012626	0.050053	-0.02717	0.000655	0.011625	-0.006704	0.016121
167	0.026235	0.021326	-0.00214	-0.009699	-0.032924	0.026792	-0.043725	-0.02047	0.020991	0.023238	-0.01624	0.016812	-0.044001	-0.049868
168	-0.048876	-0.020989	0.039993	0.025296	0.005384	0.013269	-0.01036	0.001679	-0.013565	0.003269	-0.001171	0.012206	0.009865	0.004135
169	0.014605	-0.012686	0.010085	-0.005959	-0.003959	0.002883	-0.017606	0.018745	-0.00951	0.018155	-0.012369	-0.008797	0.049837	0.001919
170	0.00822	0.00151	0.01322	-0.00305	-0.002205	-0.005137	-0.000465	0.023817	-0.008715	0.00336	-0.005446	-0.004683	0.085318	0.015729
171	0.00212	0.000151	0.023024	0.010679	-0.001973	-0.007242	0.004576	-0.012637	-0.014635	-0.000111	0.00332	-0.020417	0.053601	0.002612
172	-0.008283	-0.035049	-0.034105	-0.02341	-0.004711	-0.048862	0.016192	-0.051677	0.035566	-0.036366	-0.000522	-0.036051	0.00621	0.025096
173	-0.019605	-0.028517	-0.01636	-0.006991	0.004664	-0.006267	0.013244	-0.016382	0.021969	-0.024965	0.006508	0.001961	-0.018326	0.027111
174	-0.02777	-0.031784	-0.002414	-0.018438	0.000737	0.003725	-0.022864	-0.005334	0.041639	-0.006797	0.015517	0.036576	-0.000893	0.00762
175	-0.019472	-0.06733	-0.005171	-0.042516	-0.008131	-0.033774	-0.035798	0.007596	0.034915	-0.014588	0.002389	0.012904	0.010247	0.025818
176	-0.013333	-0.022139	-0.004959	0.001902	-0.00728	-0.029131	-0.012528	0.01645	-0.060947	0.015078	0.016399	-0.035365	-0.011786	0.012379
177	0.00582	0.019623	0.03479	0.014204	0.001853	-0.026185	0.034651	-0.0563	0.004667	-0.013378	-0.030635	0.014882	0.051847	-0.017464
178	-0.001276	-0.015144	0.005891	-0.010886	0.022676	-0.02093	-0.004662	-0.043583	-0.009862	-0.017314	-0.023935	0.022733	0.000548	0.006332
179	0.003098	-0.016359	-0.008393	-0.014094	0.003448	0.001716	0.002503	-0.000081	-0.007068	0.013818	-0.01437	0.012335	-0.010725	0.003238
180	0.004065	-0.014522	-0.003927	-0.016195	0.000391	0.014739	0.004839	0.005497	-0.01998	0.014247	-0.001178	0.01323	-0.0151	-0.003441
181	0.007788	-0.004606	-0.016337	-0.021083	0.000092	0.00683	0.014209	-0.002285	-0.011304	0.011224	-0.001289	0.00301	-0.007513	0.001657
182	-0.012268	-0.00726	-0.007446	-0.012888	-0.006058	-0.006285	0.032588	-0.003679	-0.018567	0.00425	-0.005334	-0.00099	0.018813	0.013968
183	-0.024982	-0.020833	-0.001269	0.004853	-0.002519	-0.020608	0.056662	-0.032527	-0.024509	-0.00214	-0.025483	-0.008115	0.016622	0.015245
184	-0.038946	-0.026595	-0.037795	-0.03181	-0.012432	-0.037334	0.015799	-0.006106	0.038747	-0.013724	-0.022944	-0.032091	-0.01006	0.008914
185	-0.01853	-0.031619	-0.027665	-0.02919	-0.010636	-0.050519	0.053729	0.034982	0.015721	-0.002097	0.002439	-0.042242	0.003004	0.034292
186	-0.028741	-0.021357	-0.058138	-0.04801	-0.02079	-0.035583	0.019068	-0.032396	0.028234	-0.061307	0.045295	-0.06403	0.004664	0.004361
187	-0.042705	-0.051336	-0.011799	-0.008772	0.004043	-0.013684	0.008896	-0.003148	-0.003178	-0.011268	-0.015937	0.009066	0.00221	0.009256
188	-0.046962	-0.061065	0.008501	-0.005916	0.014053	0.004783	0.000986	0.010097	0.003842	0.010098	-0.004835	0.030004	0.003416	0.008219
189	-0.035259	-0.07763	-0.00749	-0.031382	0.017336	0.007366	-0.030888	0.039844	0.005732	0.050729	-0.006936	0.041441	-0.006318	0.011059
190	-0.002974	-0.009255	-0.035539	-0.044873	-0.076864	-0.003794	-0.014985	0.01183	-0.019757	-0.001266	-0.023563	-0.001934	-0.035107	-0.025237
191	0.003306	-0.002586	-0.016667	-0.022912	-0.066282	0.00187	-0.021001	0.015781	-0.027243	0.010526	-0.021136	-0.01751	-0.018062	0.00649
192	-0.05739	-0.019075	0.02535	0.008985	-0.017371	0.002886	0.028932	-0.019649	-0.014259	-0.013212	-0.032713	0.002674	0.011737	0.012739
193	0.899514	-0.040496	-0.010043	-0.004039	-0.015739	-0.018057	0.033662	-0.00998	0.006844	-0.023374	0.001832	-0.02017	0.010579	0.010981
194	-0.047903	0.859578	-0.011624	-0.019869	-0.002528	-0.016107	-0.009604	-0.001046	-0.001577	-0.016138	-0.022181	-0.000433	-0.06391	0.001864
195	0.006103	-0.011887	0.853002	-0.085119	-0.037407	-0.076175	0.010793	-0.02751	0.003626	-0.056997	0.009758	-0.028846	-0.023287	0.000904
196	0.002091	-0.022492	-0.089633	0.901948	-0.056151	-0.030993	-0.009207	0.003788	0.010964	-0.028507	0.004964	-0.026902	-0.020999	-0.011766
197	-0.009352	0.008391	-0.033034	-0.045768	0.872234	-0.006229	-0.001159	0.008063	-0.017118	-0.013229	-0.021587	-0.003084	-0.00985	-0.008016
198	-0.004149	-0.014437	-0.076506	-0.02468	0.005233	0.827125	0.032634	-0.074237	0.010841	-0.100719	-0.032394	-0.032533	0.029645	0.035884
199	0.025218	-0.019807	0.007523	-0.008765	0.011847	0.031234	0.684725	0.040921	0.067991	0.035571	-0.039825	0.031561	-0.033642	0.058181
200	0.006835	-0.003266	-0.034893	0.002806	0.023278	-0.070158	0.033057	0.80461	0.015053	-0.092534	-0.000589	0.010161	-0.046532	0.011246
201	0.008784	-0.003401	0.008468	0.023646	0.013661	0.007067	0.045506	0.010406	0.717704	0.000294	0.026177	-0.049665	0.001592	-0.061575
202	-0.009584	-0.034835	-0.058212	-0.029144	-0.01114	-0.096892	0.032481	-0.096462	-0.008601	0.838039	0.006618	-0.052268	-0.012834	0.011399
203	0.006467	-0.018223	0.011277	0.007463	-0.029829	-0.015096	-0.040719	-0.000883	0.010148	0.006019	0.833063	0.026827	0.015057	0.003903
204	-0.0092	-0.009453	-0.030495	-0.031537	0.000127	-0.034254	0.045497	0.001461	-0.064317	-0.049155	0.014972	0.701794	0.023444	0.019346
205	0.019531	-0.065013	-0.0358	-0.03084	-0.019845	0.013691	-0.026906	-0.041749	0.033461	-0.007093	0.011551	0.056564	0.625123	0.003677

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
206	0.005655	0.006069	-0.02292	-0.034584	-0.007297	0.031881	0.088375	0.007085	-0.036206	0.005226	-0.001268	-0.008382	-0.024237	0.687854
207	-0.007433	0.030525	0.018511	-0.020179	-0.011917	0.019271	-0.031933	-0.007786	0.002124	0.032636	0.006383	-0.058066	0.046494	-0.012682
208	0.009031	-0.015539	-0.01227	0.001862	-0.040807	-0.032215	0.045018	-0.028784	-0.005376	-0.04493	-0.058319	-0.029896	-0.0433	-0.046156
209	-0.022716	-0.049921	0.000323	-0.011949	-0.019785	-0.004878	-0.022824	-0.021117	0.027229	-0.055728	-0.016578	-0.030185	-0.024482	0.038487
210	0.01108	0.032479	-0.004535	0.010768	-0.025171	-0.023078	0.005038	-0.028208	-0.02548	0.008929	-0.023015	-0.01121	0.048683	0.047136
211	0.027164	0.026444	0.005714	0.010892	0.001413	0.026791	0.064455	-0.014056	-0.015152	-0.013966	0.044477	-0.049945	0.001252	-0.009922
212	0.000637	0.052013	-0.055812	-0.007716	0.003125	-0.067963	0.027244	-0.036362	0.078079	0.004411	0.02044	0.041088	-0.001859	0.05023
213	-0.015093	-0.036293	0.007821	0.003067	0.03285	0.006217	0.007966	0.018023	0.026042	0.02956	-0.027717	0.013279	0.025665	-0.034115
214	-0.002149	-0.010942	-0.009959	-0.013827	0.005855	0.007759	0.01605	-0.004908	-0.018804	0.00914	0.009789	-0.0063	0.009012	0.010561
215	-0.005468	-0.016399	-0.023056	-0.018172	0.002191	-0.004117	0.02526	-0.032449	0.012888	-0.002576	0.036479	-0.042276	-0.065259	0.009436
216	0.003753	-0.009667	0.035539	0.012171	0.005268	0.013992	-0.038579	0.005754	-0.006627	0.009954	0.017581	0.035217	-0.006937	0.012254
217	0.017349	-0.048613	-0.015109	-0.005195	0.01696	-0.029854	-0.025548	0.002233	0.025637	-0.026884	-0.031821	0.002098	-0.04887	-0.009452
218	0.004075	0.023624	-0.00887	-0.001882	-0.002379	0.009347	0.023628	0.015783	0.010929	0.000253	0.023653	-0.019879	-0.010474	0.018675
219	0.024056	0.016245	0.011809	0.007319	0.025346	0.001635	-0.005365	0.010947	0.027385	0.006435	0.011327	0.034153	0.034359	0.018431
220	0.02355	-0.011382	-0.018389	-0.008769	-0.002261	-0.031825	0.0136	-0.012969	0.021938	0.005505	-0.040972	-0.006601	-0.006945	0.008367
221	0.01533	0.0119	0.007438	0.022658	0.007019	0.006398	0.058753	0.00095	0.000233	0.001205	0.010755	-0.002337	-0.031083	-0.003284
222	-0.014045	-0.000939	0.01078	0.010521	0.00699	0.021049	0.011688	-0.006254	0.017403	0.007305	-0.01651	0.026254	-0.056526	0.019082
223	-0.024018	-0.014412	0.008879	0.011981	0.01049	0.024673	0.015389	0.004884	0.015597	0.019021	0.003155	-0.000972	-0.023935	0.012908
224	0.006111	-0.01645	-0.006215	-0.007388	-0.005459	-0.030933	-0.039437	-0.023823	-0.03715	-0.053561	0.014136	-0.030582	-0.002901	-0.029798
225	0.017182	-0.012434	-0.002368	0.007391	-0.000778	-0.027326	-0.045619	-0.028365	-0.034186	-0.049244	0.005539	-0.010431	0.008334	-0.012003
226	-0.009061	0.009344	-0.012053	-0.001312	-0.001713	-0.022171	0.009786	-0.0016	0.014305	-0.008836	-0.006734	-0.007564	0.051068	0.025622
227	-0.000109	-0.011512	0.017268	0.000659	0.000625	-0.016696	0.000358	0.005215	-0.013273	0.003226	-0.013095	0.008994	0.041893	-0.064589
228	-0.015924	0.009315	0.001511	-0.015586	-0.024582	-0.003226	-0.021289	-0.019584	0.03577	-0.025426	-0.024239	0.000054	-0.002911	0.002842
229	0.001051	0.019045	-0.021868	0.008785	0.022263	-0.010738	-0.009695	-0.015736	0.003519	-0.00855	-0.014987	-0.000058	0.014901	0.027535
230	0.00161	0.00337	0.026309	0.013573	0.010634	0.016283	-0.02666	-0.012367	-0.021705	0.015426	0.016883	0.038249	-0.027479	0.010672
231	-0.00279	-0.001112	-0.008519	-0.005196	-0.013377	0.016282	0.000326	0.032697	0.025499	0.013554	0.000793	-0.014914	-0.010151	-0.013179
232	-0.012873	0.003697	-0.037297	-0.025722	-0.018539	-0.046404	-0.020148	-0.025836	0.007074	-0.027169	0.010131	-0.020005	-0.030204	0.029841
233	0.008469	0.020311	-0.00297	0.004185	0.041667	-0.017588	0.020018	-0.029607	-0.028848	0.004652	0.016159	-0.008319	-0.008014	0.024986
234	0.027705	0.03667	0.041724	0.011679	-0.001265	0.030314	0.00764	-0.021293	0.039874	0.032369	-0.00057	0.059659	0.015027	-0.018379
235	0.021874	0.010621	0.035374	0.011571	0.03022	0.019088	0.002161	-0.025128	0.053961	0.015179	0.00492	-0.004664	-0.034859	-0.018423
236	0.003217	-0.00773	-0.000257	-0.009148	-0.014988	-0.000927	-0.005842	0.005826	0.003341	0.016036	0.011372	0.00187	-0.039753	-0.037913
237	0.005949	0.003932	0.016861	0.003653	-0.027315	0.022617	-0.012273	0.014204	-0.020774	0.006321	0.003439	-0.002916	-0.024482	0.015307
238	0.014856	-0.008327	0.003671	-0.004495	-0.006932	0.017689	-0.023409	0.005199	-0.007712	-0.005241	0.012707	0.028914	-0.035245	0.017062
239	0.000632	-0.009404	-0.013608	-0.01199	0.010284	0.000017	-0.017071	0.009347	0.005088	-0.018408	0.007775	0.016433	-0.018598	0.011195
240	-0.008361	-0.013926	0.011046	-0.007608	0.007336	0.011898	-0.026078	0.027295	-0.012499	0.005629	-0.01792	-0.023942	-0.008299	-0.011932
241	0.004637	0.016774	0.01701	-0.004031	0.020028	0.013722	0.004664	0.003347	-0.036522	0.017639	0.016473	-0.034247	0.01399	0.010154
242	0.012683	0.008097	0.011288	-0.000968	0.018759	0.001209	0.032082	-0.008966	0.012739	0.008222	-0.009489	-0.003139	-0.056552	-0.03618
243	0.011138	0.000926	0.000971	-0.008685	0.025764	-0.013195	0.029394	-0.015626	-0.003558	-0.013303	-0.000472	-0.027066	-0.021937	-0.017199
244	-0.007155	0.003806	0.01241	0.029357	0.013145	-0.006493	0.039138	-0.006518	-0.021275	-0.000456	0.011193	0.000502	0.010833	-0.039537
245	-0.009582	-0.010772	0.019532	0.017852	0.020043	0.019822	-0.001903	0.003995	0.011411	0.026875	0.000677	0.023721	-0.011383	-0.04032
246	0.010992	0.007648	0.004648	0.002658	0.000966	0.014936	-0.004901	-0.005327	0.00461	0.025373	-0.022774	0.027202	-0.022426	0.02966

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
247	0.024833	-0.010185	-0.015777	-0.015264	-0.001014	-0.004135	-0.009954	-0.004823	0.003034	0.011768	-0.021692	0.021728	-0.029784	0.004641
248	0.013991	-0.013048	-0.024067	-0.021348	-0.015086	-0.017116	0.013502	-0.015368	0.015861	0.003692	-0.005025	0.006249	-0.03974	-0.00138
249	-0.03265	-0.007625	0.001548	-0.003643	0.002435	0.004684	-0.00485	0.007112	-0.022564	-0.00109	-0.007076	-0.049244	-0.028454	0.003082
250	-0.008724	0.001112	0.032752	0.011384	-0.003096	0.025412	-0.017304	0.019712	-0.01357	0.029292	-0.006346	-0.003875	0.01643	0.007226
251	0.004438	0.009385	0.039155	0.014024	0.009231	0.020016	0.002562	0.001782	-0.01829	0.00865	-0.005525	-0.019531	0.027367	-0.013837
252	-0.008017	0.003596	-0.029445	-0.025095	-0.002161	-0.016845	0.025437	-0.009203	-0.00421	-0.011123	-0.004682	-0.04475	0.007185	-0.035915
253	-0.001827	-0.010979	0.00392	0.001574	-0.002943	-0.008826	0.004329	-0.025997	-0.008191	-0.007445	-0.000223	-0.027448	-0.004546	0.01515
254	-0.032139	-0.011882	0.005086	0.00799	0.014804	0.005043	0.011936	0.014524	0.015262	0.013584	0.009127	-0.023129	0.037958	-0.009719
255	-0.006331	0.001348	0.01781	0.020878	0.005392	-0.004218	0.02935	0.0026	0.001137	0.015861	-0.009804	0.004806	0.036493	-0.013649
256	-0.01721	-0.003974	-0.015401	-0.006796	-0.025018	-0.0099	0.016994	-0.01262	0.002358	0.003536	-0.010488	-0.016165	-0.007462	-0.000748
257	0.020255	-0.001133	-0.013944	-0.013324	-0.015575	-0.009507	-0.0143	-0.018118	0.004138	-0.001584	-0.005509	0.006376	-0.014943	0.001123
258	0.014355	-0.018514	-0.01663	-0.023656	-0.019988	0.010095	-0.04845	-0.00676	-0.00553	-0.001896	0.011919	-0.005617	-0.011	-0.015515
259	-0.023919	0.002342	0.024984	0.009045	0.009615	0.02766	0.007836	-0.003548	-0.00276	0.01614	-0.014967	-0.007594	-0.001017	-0.00155
260	-0.016043	-0.009324	-0.022184	-0.01516	0.016943	-0.004607	-0.01374	-0.004824	0.017013	0.001527	-0.02371	-0.015488	0.01718	-0.009422
261	-0.001452	-0.004595	-0.040762	-0.043655	-0.022605	0.01574	-0.008933	0.017329	0.007982	0.001466	-0.020459	-0.002618	-0.00457	-0.042722
262	0.005428	-0.009347	-0.037314	-0.033936	-0.011284	-0.014113	-0.006941	-0.01777	0.013711	-0.028699	-0.0112	0.002071	-0.047721	-0.033874
263	0.006065	-0.005807	-0.011016	-0.015146	-0.006403	-0.009605	0.014578	-0.03156	0.011514	-0.020126	-0.011636	-0.00052	-0.028091	-0.037158
264	-0.041653	-0.010172	0.0169	0.006216	0.001147	0.027491	0.005148	0.009112	-0.010707	0.021996	-0.010263	-0.018884	0.002224	0.005923
265	-0.041311	-0.019176	-0.054722	-0.032424	-0.010111	-0.001504	-0.037275	0.018771	0.002335	0.002685	0.002961	-0.035916	0.033921	0.008454
266	-0.007423	-0.015271	-0.070329	-0.04057	-0.023833	-0.019825	-0.006826	0.023056	-0.000707	-0.006326	0.001968	-0.02231	0.031373	-0.011835
267	-0.011865	0.012985	-0.019797	0.006929	0.013455	-0.029687	-0.032623	-0.011348	0.015472	-0.022918	-0.010782	-0.008966	0.04103	0.01231
268	-0.00181	0.011239	-0.013037	-0.00477	-0.002705	-0.027517	-0.012644	-0.002202	0.014241	-0.009977	-0.012909	-0.016364	0.048802	0.029493
269	0.003259	0.007676	-0.00787	0.000494	0.003076	-0.025965	0.011893	0.000474	0.008222	-0.008194	0.004566	-0.019796	0.03905	0.020174
270	-0.010715	-0.001865	-0.004465	-0.007764	-0.006702	-0.032981	0.00989	0.00442	0.010122	-0.009446	-0.015883	-0.002053	0.059596	-0.016442
271	0.003589	0.011906	0.018542	0.040555	0.030606	-0.004351	-0.006651	-0.020201	-0.018033	-0.031853	0.005007	-0.015374	0.039109	0.007244
272	-0.004417	0.026097	-0.025611	0.003827	0.010648	-0.006624	-0.014369	-0.004504	0.01625	-0.007726	-0.022101	0.0089	0.032028	0.021891
273	0.003384	0.015697	-0.019036	-0.011806	0.004755	-0.011034	-0.01773	-0.011327	0.007665	-0.002756	-0.005902	-0.011833	0.010354	0.014948
274	0.005717	0.014902	-0.015823	-0.010755	0.009986	-0.007696	-0.010832	-0.00783	0.001486	0.001073	-0.000893	-0.010906	0.010997	0.00685
275	-0.011413	-0.010431	0.016462	0.000303	0.016628	-0.012671	0.001946	-0.012826	-0.01104	0.016098	-0.007655	0.028271	-0.006769	-0.068155
276	0.008589	0.003408	-0.002758	-0.016191	-0.017713	0.007621	-0.026557	0.020059	0.009775	0.019257	-0.000404	0.011942	-0.028915	-0.039157
277	-0.01268	0.005028	-0.01176	-0.010039	0.001721	0.003044	-0.014457	0.024333	0.011801	-0.008528	0.018575	0.001325	-0.016103	-0.013378
278	-0.028027	-0.000589	-0.005089	-0.00179	0.004479	-0.001833	0.010612	0.008659	-0.003511	-0.020987	0.035443	-0.008799	-0.016462	-0.019889
279	-0.009456	-0.012058	-0.01088	-0.017727	0.008392	-0.005348	-0.005773	0.014646	0.016631	-0.027691	0.015632	0.023314	0.002104	-0.009465
280	0.006745	0.001837	0.018518	-0.002262	0.00899	-0.006165	0.00065	-0.010741	-0.01978	-0.007913	0.009384	-0.003978	-0.008915	-0.007714
281	-0.006091	0.00662	0.00833	0.003538	-0.004715	0.029847	0.006801	-0.002989	-0.021189	0.0166	-0.021649	-0.003962	0.028993	0.01603
282	-0.008496	0.006271	0.013068	0.006746	0.00383	0.019013	0.024555	-0.028598	-0.038883	-0.009251	0.013915	-0.011176	0.021479	-0.003167
283	0.00054	-0.010063	-0.011057	-0.019609	0.001289	-0.005255	0.045285	-0.007019	0.003349	-0.001434	0.000143	0.007137	0.002391	-0.030698
284	0.005566	0.006829	-0.00084	-0.006684	-0.01619	0.002535	-0.00758	-0.017579	0.001937	-0.004172	0.002042	-0.007035	0.000662	-0.006273
285	0.005846	0.00635	0.002986	-0.002514	-0.008024	-0.004591	0.007387	-0.029261	-0.015676	-0.017517	0.015814	-0.016173	0.001583	-0.009891
286	0.004411	-0.001709	0.01227	-0.001455	-0.005122	0.022086	-0.019955	-0.010775	-0.033105	-0.006456	0.022353	-0.020668	0.044187	-0.020809
287	-0.003316	-0.0083	0.014747	0.000257	-0.001569	0.010095	-0.001473	-0.013767	-0.038225	-0.013964	0.032365	-0.018874	0.042588	-0.028004

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
288	-0.005424	-0.028059	0.010103	-0.019218	-0.026998	0.02332	-0.030398	0.009765	-0.001586	0.003367	0.009687	-0.001312	-0.003262	-0.031276
289	0.00226	-0.013377	-0.043668	-0.029219	-0.00715	-0.04972	-0.021174	-0.024935	0.004976	-0.038898	-0.010927	-0.005027	-0.013641	-0.030217
290	-0.010783	-0.026453	0.015966	-0.000978	-0.001009	0.000782	-0.019883	-0.016074	0.007495	-0.002069	-0.021363	-0.024559	0.00446	0.018265
291	-0.008312	-0.025052	0.013547	-0.003799	-0.001519	0.001101	-0.01969	-0.014312	0.009521	-0.003077	-0.020346	-0.027047	0.004253	0.015456
292	-0.00633	-0.027851	0.020898	-0.002745	-0.000455	0.010036	-0.016199	-0.004163	0.008201	0.001942	-0.025274	-0.026688	-0.001252	0.02065
293	-0.011206	-0.004511	0.033747	0.017736	-0.015911	0.038998	0.041138	0.026335	0.017027	0.033726	-0.014484	-0.017493	0.001014	-0.001634
294	-0.008553	0.006337	0.001457	-0.000483	-0.005235	0.010198	0.014764	0.008301	0.006873	0.008112	-0.001255	-0.005053	-0.02195	-0.007934
295	0.011578	0.0096	0.005521	-0.002705	-0.005426	0.015158	0.010281	0.019956	0.017122	0.018907	-0.025828	0.009488	-0.031374	0.003273
296	0.000637	-0.016428	-0.007033	-0.006339	0.009412	-0.001814	-0.01739	0.031028	0.011298	0.027294	-0.058881	0.035209	-0.030328	-0.031193
297	0.014666	0.010009	0.013572	-0.000151	-0.00899	0.031217	0.006744	0.045324	-0.000605	0.030169	-0.029948	-0.004288	-0.023736	0.012917
298	0.004633	0.001581	0.015449	0.003174	-0.003239	0.010513	-0.016364	-0.009817	-0.000781	0.026091	0.008743	0.023005	0.028511	-0.010994
299	0.011691	0.014376	0.013356	0.005196	-0.02857	0.02123	0.002207	0.036106	-0.020636	0.021998	-0.040759	-0.006372	0.025059	0.010303
300	-0.003405	-0.00487	-0.00531	-0.059531	-0.035253	0.007113	-0.027331	0.004503	0.009387	-0.011104	0.047055	0.020392	-0.008092	0.00389
301	0.007971	0.011896	0.01698	0.012318	-0.018293	0.004263	0.017768	-0.002432	0.007741	0.008733	-0.022651	0.01463	-0.024063	0.007866
302	0.011547	-0.002235	0.00101	-0.004216	0.000631	-0.023854	-0.004931	-0.014404	0.010536	-0.014174	-0.033922	0.028419	-0.031516	-0.012396
303	0.009858	0.000356	-0.01263	-0.004577	-0.014368	-0.005428	-0.003628	0.004958	-0.021209	-0.01319	-0.021522	0.024928	0.007459	-0.006317
304	0.000538	-0.008654	0.007434	-0.007783	-0.035469	-0.003018	-0.00822	-0.001637	-0.022804	-0.010733	-0.036469	0.040653	0.015124	-0.015387
305	-0.008677	0.028141	0.011497	0.014812	-0.022242	-0.003574	0.07263	-0.021024	-0.022068	-0.019569	0.005764	-0.020408	0.05038	-0.015625
306	-0.012244	-0.014581	-0.013006	-0.007871	-0.031808	0.031368	-0.029053	0.012816	-0.01337	0.024808	-0.048242	-0.075415	-0.068264	-0.006985
307	-0.034933	-0.040921	-0.010667	-0.0237	-0.021364	0.026408	0.038253	-0.038969	-0.017387	-0.031809	0.010614	-0.018513	-0.062167	-0.063838
308	-0.001852	-0.00425	0.019005	0.023502	-0.00065	-0.004116	-0.042537	-0.015185	-0.015086	-0.023842	-0.071212	0.05262	0.070277	0.031824
309	0.001165	-0.009749	0.019015	0.015748	0.006931	0.001351	0.020078	0.008238	-0.005916	-0.00127	0.012802	0.002173	-0.011024	-0.003605
310	-0.001468	-0.024202	0.017178	0.044368	0.049193	-0.004106	0.012213	-0.032762	-0.034605	0.016924	0.005252	0.007224	-0.001824	-0.031841
311	0.001883	0.00108	0.004375	-0.002579	0.006679	-0.005102	0.028953	-0.000041	-0.013646	0.005891	0.00319	-0.012511	0.021985	0.006213
312	-0.005919	0.003873	0.014843	0.002811	0.027745	-0.001469	-0.014393	0.017805	-0.033576	0.006587	0.005066	-0.019102	0.018472	0.058307
313	0.008222	0.014823	0.001229	0.007589	-0.01049	0.001811	0.054577	-0.00288	-0.026766	0.014272	-0.001506	0.002622	0.019929	0.005066
314	-0.019028	-0.013591	0.004561	-0.00082	-0.021427	-0.026089	0.092899	-0.007472	-0.043009	-0.047374	0.027815	-0.113748	-0.023297	0.029378
315	0.009073	-0.008662	0.011039	0.004305	-0.007873	0.019567	0.003843	0.044186	-0.040824	0.015276	0.008363	-0.011384	-0.002939	0.013025
316	0.043748	0.007744	-0.010474	0.00388	0.003893	-0.056774	0.026169	0.002617	-0.004982	-0.017476	0.018252	0.013535	-0.008377	-0.020523
317	-0.006856	-0.012695	0.003401	0.004891	0.008165	0.000649	0.01957	0.012003	0.01229	0.011285	0.022588	-0.001356	-0.032086	0.007694
318	0.00895	-0.009323	0.033361	0.032299	0.01087	-0.00077	0.037673	-0.007837	-0.015757	0.022167	-0.004844	0.007353	-0.039164	0.024865
319	0.011044	-0.013932	0.008523	0.006745	0.004018	0.014421	-0.00173	0.027265	-0.017093	0.014499	0.035812	-0.020551	-0.018133	0.021551
320	0.017327	0.011201	-0.000879	-0.002201	0.01277	0.006642	-0.035234	0.004459	0.028051	0.033951	0.015493	-0.013494	0.017826	0.04009
321	0.0052	0.038282	0.005893	-0.009661	-0.034597	0.02084	-0.014711	0.005454	-0.017262	0.008076	-0.041309	-0.011535	-0.01541	-0.00308
322	-0.020842	-0.00305	0.057655	0.03558	0.005645	-0.004612	-0.060349	0.015119	0.006892	-0.006238	0.013798	0.032745	0.020458	-0.017917
323	0.023311	0.054747	0.014658	0.007401	-0.013179	0.003677	-0.035884	-0.004839	-0.037128	0.019039	0.002121	-0.045584	0.046332	0.025025
324	-0.001851	-0.017742	0.010314	0.000593	-0.010847	-0.02416	0.010972	-0.001948	-0.024016	-0.016161	-0.039487	-0.034604	0.032624	-0.05769
325	-0.000824	-0.013083	-0.01173	-0.010606	0.001576	0.008661	-0.012307	0.034338	0.010839	0.022702	-0.000828	0.014834	-0.04058	-0.01245
326	-0.021587	0.004819	-0.028222	-0.015682	0.014851	-0.032185	0.038629	-0.001877	0.019935	-0.008642	-0.002314	-0.024043	0.01785	0.004804
327	0.021086	0.014713	-0.000644	-0.005004	0.002573	0.003558	-0.020068	-0.009569	-0.001494	0.01145	-0.010282	0.018643	-0.020996	-0.015838
328	-0.027838	0.010315	0.001875	-0.016999	-0.035579	0.014091	-0.004779	0.038516	-0.028851	-0.039701	0.036165	-0.070358	0.035695	-0.002215

	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY
329	0.029969	0.035667	-0.014879	-0.00197	0.01568	-0.017376	-0.006999	-0.008693	-0.024978	0.001234	-0.013885	-0.012216	-0.005387	0.018218
330	-0.01615	0.03185	-0.003296	-0.007984	0.007031	-0.028513	-0.003894	0.002554	-0.028755	0.007799	0.039233	-0.005993	0.038132	-0.009679
331	0.005104	0.0069	-0.000785	-0.00601	-0.007008	0.008771	-0.017587	0.018609	-0.006756	0.009561	0.001181	-0.00296	-0.006075	0.008035
332	0.003585	0.024495	0.008591	-0.009158	0.013339	-0.015256	0.029077	0.002902	0.046053	-0.020909	0.072198	0.033487	0.037816	0.031854
333	0.001826	-0.007958	-0.004025	-0.007112	-0.014439	-0.004046	-0.018614	0.020836	0.006563	0.010005	0.002163	0.009855	-0.05259	0.001344
334	0.030678	-0.001204	-0.000875	0.01035	0.014459	0.023447	-0.023762	0.00279	-0.039577	-0.017653	-0.001195	-0.029997	-0.10852	-0.009821
335	0.001723	0.005527	-0.007371	-0.003641	0.004225	-0.005232	0.002518	-0.015489	0.008719	0.014531	0.036884	-0.029278	-0.009057	0.02211
336	-0.020471	0.018199	0.022096	0.005849	-0.051977	-0.008978	-0.030796	-0.022343	-0.007133	-0.012861	-0.019404	0.018382	-0.02946	0.009771
337	0.004727	-0.013569	0.018853	0.020507	-0.010116	0.000232	-0.022352	0.021505	-0.030998	0.002946	-0.050001	-0.039628	0.04794	0.01483
338	0.018563	-0.017096	-0.007089	0.016195	0.011696	-0.018221	0.023369	-0.01047	-0.047692	-0.015483	0.008659	0.020823	-0.020885	-0.091081
339	-0.019627	-0.005172	0.010007	-0.01434	-0.015206	0.013647	-0.006219	-0.00386	0.00428	-0.035237	-0.015666	-0.034566	0.011716	0.001185
340	0.038497	0.029317	-0.0042	0.010442	0.000622	-0.0104	0.004686	0.023209	-0.048928	0.032057	-0.061409	-0.029646	0.025967	0.015137

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
1	0.089987	-0.088414	-0.066904	-0.052203	0.033294	-0.007868	0.108139	0.044437	0.026049	-0.033745	-0.059343	-0.035637	-0.041927	0.015829
2	0.102424	-0.005825	-0.026729	0.032829	0.068685	-0.001245	0.014513	0.102118	0.131006	-0.015003	-0.065927	-0.041502	-0.078178	-0.049146
3	-0.032145	-0.00163	0.087679	0.102077	0.024168	0.003147	0.013027	0.016288	0.01488	-0.027763	-0.004755	0.022398	-0.037541	0.002641
4	-0.020727	0.076138	0.03539	-0.091877	0.029721	-0.008341	0.028802	-0.020191	0.060156	0.040602	0.053793	0.006033	-0.002699	0.073903
5	-0.060625	-0.086333	-0.096305	-0.041454	-0.050048	-0.027284	-0.000707	-0.009893	-0.068057	0.13066	0.057224	-0.030158	0.10675	0.077927
6	-0.084469	0.002039	0.08638	-0.046306	0.009272	-0.018116	0.039929	-0.008004	-0.048529	-0.03439	0.018519	-0.048512	-0.037658	0.012845
7	0.038625	0.005698	-0.096625	0.027851	0.102288	0.061309	-0.041386	-0.036804	0.036177	-0.03745	-0.065052	0.045745	-0.011231	-0.099197
8	-0.04932	-0.038366	-0.032058	-0.058801	0.032213	-0.037275	0.002062	-0.040069	-0.122864	0.029583	-0.011854	-0.034578	0.011605	-0.000911
9	0.007743	0.069878	0.054132	0.053169	0.034654	0.001278	0.041565	-0.032752	0.027319	-0.027705	0.046257	0.007491	0.01291	0.066866
10	0.330592	0.060602	-0.087938	-0.10318	0.039525	0.055965	-0.008117	-0.003941	0.001191	0.056333	-0.04086	-0.026361	-0.010429	-0.034981
11	0.144913	0.126101	0.073767	0.032485	-0.015569	-0.003789	-0.056089	0.017572	0.012069	-0.139229	-0.026587	-0.03481	-0.051817	0.024199
12	0.033059	0.037908	-0.043386	-0.091008	0.088097	-0.020458	0.030863	0.047503	0.037147	0.002424	0.082396	-0.023824	0.005118	-0.050766
13	0.011933	-0.026859	0.053717	-0.029551	0.023677	-0.054798	0.025211	-0.038321	-0.03154	0.032246	-0.002408	0.017741	0.002816	-0.010848
14	0.009961	0.088772	-0.051445	0.010224	0.00167	0.079894	0.04827	0.021282	-0.046888	-0.03716	-0.047068	-0.011902	-0.019801	0.036056
15	0.059634	-0.002222	-0.175725	-0.137091	-0.085229	0.064967	0.05451	-0.023426	-0.044477	0.023267	-0.102207	-0.031943	-0.034033	-0.118758
16	-0.112744	0.050383	-0.079051	0.120219	0.056009	-0.080681	0.004072	-0.000185	-0.046245	0.029563	0.013056	0.000614	-0.018658	0.021594
17	-0.089649	0.043372	0.026951	0.064698	0.043772	0.112228	-0.099002	0.010763	-0.008006	-0.043058	0.04429	-0.072373	-0.0155	0.023142
18	0.012632	0.066368	0.048304	0.104974	-0.047756	-0.123003	0.085395	-0.031913	-0.047488	-0.058032	-0.044128	0.030532	-0.045098	-0.027534
19	-0.147979	-0.035384	0.075934	-0.05456	-0.064173	-0.084439	0.046601	0.014261	0.061004	-0.001664	-0.0298	-0.053153	-0.044411	-0.012012
20	-0.030769	0.085403	0.047685	-0.081812	0.063341	0.105278	-0.177674	-0.022203	-0.039492	-0.058171	-0.025602	0.031747	-0.003795	-0.027399
21	-0.166473	0.040576	-0.11624	-0.229553	-0.064395	-0.024889	0.008068	0.017181	0.04321	-0.038351	-0.0305	-0.064464	-0.006919	0.007269
22	-0.009673	-0.090299	0.068391	0.011848	-0.068353	-0.009967	-0.095645	0.014034	-0.017308	0.014995	0.001737	-0.015871	-0.020941	0.021783
23	-0.101924	0.065183	0.056961	-0.001929	-0.029905	-0.126059	-0.032584	-0.012402	0.023559	0.095437	0.003949	0.107989	0.119126	-0.03149
24	-0.010181	0.174312	-0.05229	0.072509	-0.029351	-0.059187	0.026096	0.011696	0.117406	-0.013675	-0.014812	0.001656	-0.030549	-0.037813
25	0.015794	-0.026039	0.118866	0.037883	-0.042321	0.001476	0.03272	0.02271	-0.110545	-0.005693	-0.020035	-0.118816	0.054447	-0.113885
26	-0.04064	-0.015308	0.016026	0.062473	0.036588	-0.062851	0.069613	0.013839	0.101212	0.040276	0.050487	0.030072	-0.000978	-0.006399
27	-0.084	0.088271	0.037136	0.041354	0.070671	-0.008287	-0.05046	0.049868	0.055814	0.020395	0.006452	-0.036466	0.003153	-0.017435
28	-0.076925	-0.059566	-0.042169	0.127849	0.208025	-0.001188	-0.025669	0.007019	-0.033206	-0.051494	-0.01506	0.042026	0.022343	-0.034875
29	0.006497	0.025521	0.006958	-0.013021	0.000975	0.002399	0.029756	0.000648	0.032452	-0.027327	-0.004329	0.001826	-0.011388	-0.004276
30	-0.154896	-0.03533	-0.086543	0.00981	0.051517	0.094358	-0.024679	-0.036662	-0.050883	-0.039971	0.016293	0.012382	-0.049135	0.03415
31	-0.06815	0.13866	0.074007	-0.06726	-0.120689	0.043795	-0.056077	-0.00847	0.003132	-0.009565	0.06273	0.102923	0.09581	0.048339
32	0.090504	0.027811	-0.034708	0.088876	-0.030442	0.006362	-0.059299	-0.039432	-0.110017	0.034524	0.034382	-0.001851	0.050311	0.065867
33	0.036022	0.04318	-0.086195	0.086065	-0.021427	0.157637	0.043262	-0.00884	0.112151	0.051787	-0.004992	-0.021967	-0.048346	0.027768
34	0.032479	-0.100294	0.101754	-0.03491	0.011714	-0.109319	-0.087675	-0.014257	-0.053029	-0.042109	-0.009778	0.011843	-0.034541	-0.043944
35	-0.030423	-0.045882	0.000355	0.11444	0.013541	-0.139609	0.118732	-0.0189	-0.03366	-0.028484	0.058544	-0.055455	-0.0675	0.017064
36	-0.021512	0.101991	-0.066229	-0.039644	0.027353	0.021798	-0.184509	-0.027025	-0.127202	-0.069992	0.002846	-0.000719	-0.047846	0.030618
37	0.0341	0.038386	0.013741	-0.029793	-0.036974	0.02743	0.065323	-0.022767	-0.021299	-0.070327	-0.006121	-0.058717	-0.094959	-0.075925
38	0.000772	0.034521	-0.086729	0.090868	0.03254	-0.033252	0.120686	0.000974	0.064052	-0.019697	-0.003221	0.03074	0.01673	0.08723
39	-0.047021	-0.034766	0.010757	-0.035829	-0.03856	0.062325	-0.024864	-0.006522	-0.051583	-0.042294	-0.071733	0.015492	-0.013307	0.014604
40	-0.003086	0.028043	0.019779	-0.006808	-0.030987	-0.000556	-0.021605	-0.012739	-0.012319	-0.013555	0.001821	0.003113	0.005326	0.032375
41	0.059267	-0.055076	0.038094	0.062057	0.024915	0.001498	0.025044	-0.099578	-0.03914	-0.011073	-0.044557	-0.024593	0.016276	-0.037

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
42	0.13127	0.028789	0.012567	-0.155647	0.008444	0.034584	-0.247009	0.025848	0.024027	0.016873	-0.038352	0.054004	0.011644	0.008942
43	0.018147	0.02193	-0.026592	-0.102903	-0.154082	-0.054938	0.093321	-0.018074	-0.006713	0.042256	-0.021411	-0.064118	-0.066367	-0.013457
44	-0.013158	-0.027239	0.028507	0.045032	-0.028624	-0.08452	-0.046379	-0.000893	0.052266	-0.025137	0.090785	-0.009442	-0.018541	0.036292
45	0.005979	-0.027834	0.038197	0.043616	0.058975	0.066948	-0.134361	-0.02104	0.067833	0.057074	-0.006114	0.018113	0.013372	0.059523
46	0.026247	0.032549	-0.080566	-0.04124	0.012886	0.095857	0.137491	0.017399	-0.074685	0.010807	0.046451	-0.052739	0.024506	-0.024615
47	-0.064372	-0.027707	-0.148129	-0.031425	-0.014557	-0.013561	0.157028	0.042467	0.028689	-0.102952	0.127177	0.035427	0.012983	0.040623
48	0.030932	0.040261	0.003994	-0.013902	-0.106868	-0.069253	0.00973	-0.009793	0.011982	-0.034884	-0.01639	-0.024231	-0.010888	0.057534
49	0.056245	-0.071381	0.035347	0.063623	-0.108586	-0.045952	-0.055468	0.025444	0.084242	0.02928	-0.11227	-0.001764	0.004274	-0.070661
50	-0.012231	0.063126	0.045774	-0.038066	-0.019813	0.09895	0.068414	0.000565	0.092139	0.012313	0.042046	0.003943	0.044616	0.088125
51	-0.12871	-0.033717	0.001639	-0.104055	0.089139	0.164684	0.005904	0.007134	-0.008474	-0.038575	-0.045024	0.026498	-0.034616	0.004489
52	-0.069146	-0.028247	0.137741	0.015821	0.14337	-0.043232	0.009572	0.020892	-0.062898	0.001235	-0.045765	-0.029292	0.007182	0.013959
53	0.074054	0.008574	0.06147	-0.047689	0.01532	-0.025425	-0.043649	-0.019599	-0.027339	-0.032288	-0.163223	0.009148	-0.033129	-0.073278
54	0.030572	-0.008675	0.006423	0.03619	0.042287	0.06534	0.067702	0.014451	-0.120852	-0.066662	-0.01718	-0.012175	-0.021167	-0.038335
55	0.018189	0.079828	0.067197	-0.103283	-0.042138	-0.339256	0.035935	0.037337	-0.051735	-0.000083	0.009475	-0.020565	-0.061461	-0.007095
56	0.060277	-0.148707	-0.012808	-0.004613	-0.046049	-0.05714	-0.010452	0.0975	-0.038769	0.017057	-0.072904	0.023172	0.012671	-0.02929
57	0.09222	-0.069911	-0.024509	0.122703	0.0685	-0.021829	-0.011321	0.091528	0.053634	0.055635	-0.051942	0.055429	0.105982	0.065609
58	0.044733	-0.010794	0.094605	-0.052488	0.069208	0.121194	-0.090804	0.088829	-0.011497	-0.020374	-0.056681	0.002441	0.005689	-0.035509
59	-0.02988	0.069925	-0.041758	-0.11094	-0.035901	0.005828	-0.069923	-0.045488	-0.085554	-0.013671	0.134925	0.024804	0.037752	0.07248
60	0.014403	-0.027645	-0.005043	0.008003	0.024176	-0.024838	0.012926	0.041235	0.011746	0.015177	0.036605	0.001099	0.038644	-0.020815
61	0.025443	0.017743	-0.007158	0.021358	0.010903	-0.029477	0.018175	0.003356	0.017969	0.034067	0.036126	0.008078	0.025171	0.015604
62	0.012538	0.009703	0.047207	0.015075	0.045167	-0.020097	-0.004455	0.007561	0.029917	-0.038459	-0.007	0.002749	-0.05458	-0.087221
63	-0.010861	0.002215	0.015836	0.044856	0.012604	-0.035727	0.012771	-0.012662	0.011052	-0.002795	-0.004162	0.006767	-0.006864	-0.012674
64	-0.017406	-0.042795	-0.002747	-0.027586	0.004687	-0.015216	0.034556	-0.011196	-0.031748	-0.003828	0.00467	-0.019357	-0.006308	-0.044733
65	0.005896	-0.003613	-0.003505	-0.03241	0.00243	-0.012881	0.000648	0.028929	0.024189	0.015799	0.006207	0.030858	0.021659	-0.022861
66	0.000268	0.011217	-0.02847	0.017639	0.045174	0.001202	0.014991	0.007773	-0.02656	0.014157	0.026979	0.018131	0.012078	0.004836
67	-0.055583	0.002587	0.021173	0.025759	-0.003737	-0.03424	0.021464	-0.013829	-0.025546	-0.030219	0.036571	0.007544	-0.006637	0.033809
68	0.027717	0.003983	0.038354	0.010443	0.049038	-0.001107	-0.014726	0.038556	0.069725	-0.018949	0.023974	0.024737	0.004766	0.025583
69	0.006117	-0.023979	0.000614	0.010339	0.040437	0.017435	-0.091935	-0.003824	0.014411	0.020056	0.003658	0.029455	0.013299	0.021069
70	-0.023645	-0.008918	0.018475	0.019409	0.016827	-0.001584	-0.040319	-0.000794	0.036071	0.001444	0.014872	0.023966	0.019839	0.018997
71	0.028941	-0.047436	-0.004699	0.010944	0.00646	-0.007318	0.036484	0.002362	0.00111	0.014379	0.011242	-0.005191	0.002979	0.01071
72	-0.021026	-0.021769	-0.0143	-0.004094	-0.04388	-0.038849	0.042332	-0.003444	0.002758	0.022445	0.008205	-0.005164	0.01477	-0.009348
73	0.061761	0.030912	-0.028786	-0.000492	-0.036283	0.005446	0.024266	-0.000187	-0.023447	-0.012264	-0.00731	-0.029251	-0.024479	0.013754
74	0.024986	0.039559	0.002968	-0.024358	-0.08586	-0.007726	0.04402	-0.005925	0.048949	0.0144	-0.007838	0.001941	0.001979	-0.032154
75	0.002169	-0.006431	-0.005916	0.01023	-0.002206	-0.006351	-0.007535	-0.004388	0.005331	0.000229	0.027478	0.008118	0.012681	0.011328
76	-0.004904	0.030905	0.005706	0.031437	0.012505	-0.013056	-0.019286	-0.009655	0.02386	0.015328	-0.010155	0.009617	-0.002726	-0.003349
77	0.005156	-0.010494	0.00702	0.012611	-0.003823	-0.00019	-0.035867	-0.006465	0.013145	0.007014	0.021274	0.01299	0.015877	0.016978
78	0.013373	-0.008073	-0.000862	0.003191	-0.012301	-0.005806	-0.031749	-0.010002	-0.000149	0.000503	0.028783	0.006019	0.012648	0.019492
79	-0.014132	0.000066	-0.021305	-0.006998	0.035252	0.030864	0.005226	0.000148	0.003512	-0.006055	0.026864	0.001096	0.009456	0.005312
80	0.002039	-0.044447	0.014202	-0.03045	0.004323	-0.062439	0.060125	-0.013783	-0.076219	-0.004696	-0.002811	-0.000689	-0.00956	-0.002378
81	-0.006088	0.063335	0.050529	-0.010097	-0.064051	-0.052316	-0.111081	0.006966	0.029402	0.028691	0.013185	0.028867	0.009634	0.010632
82	0.025852	-0.022573	-0.017098	-0.013901	0.021862	0.001282	0.028265	0.010657	0.021628	-0.001068	-0.025297	-0.000634	-0.000196	-0.007487

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
83	0.029151	-0.034454	-0.035236	-0.014479	0.033425	-0.001181	0.044712	0.011481	0.014299	-0.003686	-0.015246	-0.003451	-0.005933	-0.00346
84	0.010255	-0.031264	-0.000331	-0.020809	0.020566	0.017192	-0.002721	0.0061	-0.003736	-0.003532	-0.008279	0.001132	0.00156	0.002206
85	0.011365	0.05098	-0.001687	-0.015249	-0.052896	-0.020523	0.027595	-0.010569	-0.027252	0.025725	0.005373	-0.025785	-0.008604	0.003036
86	0.020964	-0.023079	-0.001349	0.043528	-0.010086	-0.021644	0.010748	-0.005789	-0.006214	0.034798	0.000912	0.002614	0.008791	0.016663
87	0.016232	-0.018731	0.015073	-0.04029	-0.015509	-0.05665	0.027571	0.008249	0.002402	0.007576	-0.001992	0.013618	0.003191	0.01373
88	0.021277	-0.031357	-0.023074	-0.024347	0.014787	0.002752	0.018489	0.00646	-0.015893	-0.018261	-0.014816	0.002057	-0.004824	-0.003408
89	0.037196	-0.031901	-0.020491	-0.031512	0.030387	0.009687	0.009583	0.00757	-0.002523	-0.011796	-0.002483	0.00058	-0.002378	0.006813
90	0.035662	-0.032633	-0.013448	-0.02041	0.037261	-0.014374	0.021021	0.013701	0.015128	-0.001484	0.000819	-0.000056	-0.006782	-0.002858
91	0.006863	-0.04445	-0.006145	0.007362	-0.007767	0.011556	0.014479	0.007397	0.002487	-0.000086	-0.005963	-0.004536	0.00868	-0.005891
92	-0.051529	0.00032	0.008533	-0.021891	-0.07715	0.017646	-0.076574	-0.011619	-0.028921	0.012252	-0.003151	0.014389	0.019362	0.03482
93	0.007636	-0.048561	-0.003885	0.053019	0.038632	-0.028817	0.032389	0.012773	0.024487	0.004835	-0.009229	-0.006793	-0.000914	-0.000719
94	0.018485	-0.015596	-0.052643	0.062079	0.030314	0.025888	0.033152	-0.004109	0.016317	-0.004605	0.011667	-0.000242	-0.001961	-0.004631
95	-0.00792	-0.031143	-0.002885	0.007748	0.049509	0.00033	0.001411	0.003834	-0.012006	0.007952	0.01353	-0.002433	-0.007791	0.029863
96	0.017922	-0.024471	-0.024018	-0.00597	0.004466	0.029524	-0.00493	-0.00042	-0.02783	-0.025585	-0.007135	0.014097	0.029739	0.021147
97	0.039593	0.027118	-0.001454	0.008393	-0.00818	-0.053375	-0.01893	0.007631	0.014435	0.018424	-0.012599	0.018644	0.021347	-0.003439
98	-0.020612	0.027617	0.007594	0.004604	-0.005056	-0.020472	0.014161	-0.046213	-0.042787	0.000978	0.027152	0.011213	0.011802	0.001725
99	-0.0008	0.008606	-0.009172	-0.001104	-0.018766	0.012283	-0.028244	0.003481	0.002634	0.009237	-0.010157	0.022449	0.019284	0.011666
100	-0.011181	0.023697	0.004883	-0.018936	0.00199	-0.000797	-0.007712	-0.044556	-0.016221	0.011742	-0.009179	0.01286	0.00761	-0.015519
101	0.00196	0.018849	0.036675	0.028969	-0.007174	-0.027903	0.00577	-0.036636	-0.031532	0.002722	0.025291	0.004201	0.00227	-0.005268
102	0.002643	0.021624	0.017208	-0.007877	-0.036787	-0.03358	-0.07197	-0.007496	0.018982	0.008548	-0.004987	0.016309	0.018263	0.040403
103	-0.033686	-0.055172	0.005627	-0.069542	-0.044893	-0.070651	-0.047939	0.004108	-0.006566	0.000962	0.032342	0.011324	0.009554	0.020874
104	-0.007767	-0.022623	-0.002147	-0.050019	-0.045973	-0.024412	-0.007269	0.011663	-0.018775	0.01204	-0.003654	0.012367	0.000563	-0.003787
105	0.045412	0.002389	0.026851	-0.077417	-0.017423	-0.02964	0.010919	-0.021782	-0.03841	-0.020372	0.008641	0.011708	0.010878	-0.006879
106	-0.087204	-0.002365	-0.014721	-0.005741	0.024894	0.03208	-0.016546	0.010755	0.003196	-0.029303	-0.010989	-0.030538	-0.040906	-0.011445
107	0.004636	0.031276	0.012708	0.015347	0.016399	-0.013053	-0.045533	0.009724	-0.029274	-0.028764	-0.043156	-0.023901	-0.047897	-0.019065
108	-0.002938	-0.001139	0.011745	0.013763	0.000992	-0.000286	0.011129	0.009119	0.026591	-0.042426	-0.025462	-0.006683	-0.041722	-0.00945
109	0.037728	-0.031704	-0.007701	0.023998	0.001354	0.044386	-0.04025	-0.00021	0.005567	0.018772	-0.032711	-0.018779	-0.043935	-0.021191
110	-0.04233	-0.052423	0.009664	-0.043625	0.003384	0.019292	0.009352	-0.014921	-0.04246	0.007674	0.008034	-0.007384	0.004159	0.026981
111	0.027226	0.023347	-0.000967	-0.072047	-0.003357	0.052395	-0.02532	-0.007149	-0.01077	-0.031777	-0.036474	-0.003686	-0.032694	-0.030305
112	-0.051461	-0.035258	-0.0268	0.002293	0.03443	0.002197	-0.02349	-0.007532	0.006936	-0.023722	0.020788	-0.001409	-0.022726	0.014804
113	-0.034288	0.036059	0.011529	-0.015345	0.012279	0.012849	-0.048191	0.006314	0.00736	-0.011964	-0.019078	-0.013621	-0.02524	0.01074
114	-0.03176	0.036771	-0.037286	0.036435	-0.017922	-0.014146	0.088269	0.000114	0.100036	-0.006501	0.010214	-0.007865	-0.046527	0.064483
115	-0.081168	-0.028318	0.028959	0.063671	0.002377	0.064597	0.003624	-0.001418	0.003902	-0.032151	-0.008168	-0.009651	-0.009952	-0.043139
116	0.00756	0.042263	-0.050085	-0.044728	-0.029727	-0.034518	0.064603	-0.007401	0.078846	0.009287	0.043383	0.004786	-0.026158	0.006403
117	-0.009521	-0.004829	0.021963	-0.011362	0.024974	-0.031796	0.003862	0.003109	-0.007291	0.007444	-0.047134	0.020882	0.024817	-0.015399
118	-0.025961	0.005513	0.083935	0.029619	0.005082	-0.029787	-0.005918	-0.019658	-0.024364	-0.058373	-0.032294	0.022363	-0.011654	-0.018904
119	-0.025749	-0.043714	0.004148	0.027262	0.03325	0.033457	-0.064809	0.002724	-0.000032	-0.005238	-0.038091	0.004336	-0.005762	-0.026298
120	-0.011218	0.021467	0.004477	-0.029732	0.005136	0.023422	-0.021844	-0.003374	-0.011143	-0.003847	-0.013053	-0.007037	0.001998	-0.001383
121	-0.054453	-0.002269	-0.040322	-0.004899	0.009585	0.000272	0.071882	-0.04284	0.00184	-0.009257	-0.004255	0.009233	-0.008071	-0.029483
122	-0.022466	0.020429	0.009509	0.013387	0.023952	0.039178	-0.017116	-0.00466	-0.017971	-0.001476	0.007465	-0.027379	0.003242	0.000114
123	-0.008321	0.004573	0.0154	-0.009686	0.024745	0.017071	-0.023114	-0.012308	-0.0184	-0.004165	-0.018676	-0.034013	-0.038044	-0.030934

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
124	-0.010741	-0.014607	0.01156	0.004402	0.038156	0.010248	-0.04145	-0.002516	0.008135	-0.00412	-0.02624	-0.002616	-0.017118	-0.050352
125	-0.016266	-0.026015	0.014835	-0.030734	-0.027797	-0.022049	0.011541	-0.007873	-0.047454	0.019416	-0.004943	0.008389	0.026141	-0.008955
126	-0.027871	-0.001341	0.014359	-0.014283	-0.028827	-0.003123	-0.001487	-0.01808	-0.024783	-0.000835	-0.026618	-0.001025	-0.009895	-0.009078
127	-0.046239	-0.031998	0.009041	-0.002814	-0.016396	0.025073	0.011266	-0.000394	-0.017543	-0.007884	-0.024678	-0.001437	0.004094	-0.006466
128	0.00937	-0.025651	-0.017103	-0.025292	-0.040774	-0.022134	0.014394	0.00394	0.008422	0.0182	-0.001028	0.004217	0.012554	0.010902
129	0.036581	-0.049829	-0.026958	-0.07318	-0.024329	0.072995	-0.088625	-0.009769	-0.02533	-0.004622	0.012843	0.000185	0.000485	0.007709
130	-0.015102	-0.042378	-0.033662	0.033175	-0.006871	0.00914	0.011898	-0.003267	0.006236	-0.013522	0.025144	-0.030744	-0.021496	-0.023385
131	0.019865	-0.043495	0.052981	-0.067259	0.004805	-0.079794	-0.032648	-0.010042	-0.01671	0.001487	-0.004962	-0.026401	0.019485	-0.026179
132	0.013507	-0.02954	-0.023045	-0.026321	0.018381	0.006571	0.015183	-0.00149	-0.015047	0.007586	-0.028145	-0.017511	-0.015361	-0.020728
133	0.001698	-0.043803	-0.054721	-0.015305	0.022572	-0.000858	0.015449	-0.003112	-0.009465	-0.000676	0.03342	-0.000472	-0.001084	0.006114
134	0.0677	-0.004112	-0.045412	-0.034855	-0.085925	0.051902	-0.025546	0.004189	0.009328	0.011737	0.006941	0.029259	0.0366	0.000068
135	0.015632	-0.012799	-0.034687	-0.009092	-0.018717	0.00187	0.034714	-0.003245	-0.017984	0.001586	0.010704	-0.013434	-0.00313	0.000897
136	-0.003302	0.026191	-0.00532	-0.047682	-0.035718	0.041594	-0.006884	-0.011443	0.032313	-0.003807	0.00077	-0.009482	-0.002237	0.004163
137	-0.025331	0.034602	0.026022	-0.029609	-0.030855	-0.03688	-0.004486	-0.015398	-0.006262	-0.001537	0.018176	-0.005808	0.001515	-0.010932
138	0.006058	-0.011294	-0.106888	-0.014899	-0.006819	0.015783	-0.055223	-0.002663	0.011751	0.010614	-0.022329	0.015623	0.01112	0.017314
139	-0.022156	0.015855	0.094725	0.078437	0.01502	-0.005577	0.036597	-0.008041	0.005871	-0.026901	-0.02455	-0.041043	-0.051718	-0.005699
140	0.075	0.03108	0.019178	0.034987	-0.035647	-0.039293	-0.053842	-0.012928	0.028925	0.030428	-0.016355	-0.00068	0.017906	0.011156
141	-0.003277	-0.011907	-0.031899	0.017347	-0.012905	-0.003579	0.024901	-0.000668	0.000587	0.000354	0.027463	0.013498	0.008145	0.055087
142	0.007062	0.033596	0.001279	0.061697	0.001508	-0.0461	0.023861	-0.006623	0.009863	0.001798	0.012282	-0.002665	-0.019723	0.013813
143	-0.005392	0.01407	-0.003632	0.045975	-0.010382	0.005368	-0.002763	0.000779	-0.004695	0.007436	0.017383	-0.021678	-0.003428	0.005949
144	-0.003745	-0.00446	-0.015679	0.051775	0.016826	-0.011815	-0.019734	0.013092	0.014302	-0.00767	0.030553	-0.004968	-0.006195	0.01597
145	0.058708	-0.020314	-0.0109	0.031203	0.001932	-0.0092	0.022025	0.010797	0.027652	0.008218	-0.012527	-0.018948	-0.010589	-0.005446
146	0.007568	0.019967	-0.013104	-0.030746	-0.02736	-0.016158	0.021363	-0.000892	-0.001318	0.009657	-0.004435	-0.005607	-0.011502	-0.001853
147	-0.032707	0.050658	-0.066493	-0.037688	0.005096	-0.024166	-0.027707	0.005057	-0.028269	-0.000269	-0.022186	-0.006313	-0.024522	0.040603
148	-0.000036	0.036474	0.046072	0.013279	-0.014852	-0.051193	-0.038485	-0.000845	0.013643	0.006449	0.001572	-0.01743	-0.011643	0.038377
149	-0.008939	0.00506	0.006262	-0.015132	-0.041351	0.00842	0.024747	0.014288	0.022124	-0.008414	0.021234	-0.000459	0.008706	0.011153
150	-0.003031	0.018053	0.003572	-0.041436	-0.051196	0.00127	0.001228	-0.028657	-0.004598	0.017322	-0.021472	-0.010839	-0.006259	-0.019266
151	-0.040803	0.019571	-0.056803	-0.0141	-0.028782	0.034759	0.030153	0.020963	-0.046388	-0.015326	-0.02811	0.004219	-0.000042	0.008829
152	-0.018991	-0.044635	0.004982	-0.000746	-0.010079	0.027413	-0.014894	0.006795	-0.00815	-0.007603	-0.007386	0.004978	0.011969	0.011668
153	-0.019177	-0.004833	0.041114	-0.00847	-0.023644	-0.009349	-0.001813	0.011111	-0.017961	-0.003067	0.020199	0.001957	-0.011842	0.010259
154	0.016791	0.0049	-0.014137	-0.008207	-0.040017	-0.044021	0.033921	-0.00236	0.017449	0.02252	0.021138	-0.011168	0.006373	0.000124
155	-0.00585	-0.050651	0.002743	-0.056881	-0.015418	-0.003225	-0.037571	0.008326	0.010367	0.011563	-0.005367	-0.001994	-0.004975	-0.0268
156	-0.003692	-0.044292	-0.010297	-0.010547	-0.071584	-0.041601	0.005808	0.011581	0.031165	0.026177	-0.007996	0.003534	0.015304	-0.000385
157	-0.035732	0.010511	-0.008283	-0.023849	-0.009257	-0.007811	-0.007387	-0.016173	-0.017378	0.016589	-0.013749	-0.004567	-0.002196	-0.013604
158	-0.018447	0.026522	-0.109758	-0.033248	-0.026778	0.06509	0.035728	0.008833	0.032595	0.005662	0.042325	0.008108	-0.007446	0.023764
159	0.058554	-0.024229	-0.051564	-0.068261	-0.025414	-0.006027	0.016571	-0.025052	-0.013581	0.00238	-0.001025	0.000077	0.011865	-0.007024
160	-0.032812	-0.007585	0.062302	-0.036621	0.008946	-0.005071	-0.055442	-0.0051	-0.011133	0.013246	-0.004757	0.020735	0.020282	0.00553
161	0.025485	0.029231	-0.044411	-0.035815	-0.007909	0.040302	-0.051307	0.032201	0.028629	0.010893	0.022921	-0.009049	-0.022381	0.036987
162	-0.022214	0.029315	-0.005077	0.025959	0.015937	0.010897	0.027678	-0.00036	0.063076	-0.022257	-0.003977	0.007473	-0.016949	0.003354
163	-0.022553	-0.007174	0.005374	0.013928	0.006835	-0.024485	0.015415	0.000171	-0.007745	-0.003814	-0.016817	0.003842	0.004063	-0.009483
164	-0.067375	-0.014747	0.046563	-0.001151	-0.009418	-0.081516	-0.012884	0.012864	0.017912	-0.021518	-0.02283	0.024113	0.009394	0.0083

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
165	-0.059547	-0.046068	-0.023139	0.011149	0.02273	0.016097	-0.003448	0.036707	0.001521	0.01	0.020149	0.047216	0.033291	0.011126
166	0.022045	-0.034117	-0.060168	-0.001843	0.026054	-0.022947	-0.029072	0.003496	0.005807	0.019982	0.008292	0.0134	-0.004974	-0.018084
167	-0.045053	-0.012589	0.026047	0.02947	-0.013201	-0.017722	0.014064	-0.001277	0.022429	0.002173	0.019661	0.012414	0.00726	0.009404
168	-0.017147	0.042341	0.02716	0.062968	0.031555	0.024719	0.008255	-0.012106	-0.019811	-0.071587	-0.009964	-0.013506	-0.01127	-0.019425
169	-0.00273	-0.022327	0.010148	0.005112	0.013851	-0.009939	0.040788	-0.015541	-0.02338	-0.014087	0.003782	-0.026048	-0.023904	-0.016699
170	-0.002187	-0.026439	0.000934	0.045805	0.024836	-0.0247	0.054282	-0.010056	0.011021	-0.010602	0.021317	-0.027567	-0.025001	-0.002143
171	0.020296	-0.010196	-0.006291	0.002667	0.003524	0.004043	0.031386	-0.026634	-0.02754	-0.032916	0.007826	-0.028379	-0.03878	-0.010679
172	-0.013	0.003177	-0.037862	-0.031466	-0.023934	-0.017662	0.022725	0.008032	0.003644	-0.000653	-0.00822	-0.015215	-0.011447	-0.012737
173	-0.003775	0.02533	-0.025834	-0.018986	-0.020607	0.007052	0.029775	0.009011	0.011835	-0.016771	0.016131	-0.020842	-0.020156	-0.010576
174	0.010881	0.028203	-0.030092	0.006638	0.017867	0.015571	0.01753	0.026301	0.018618	-0.030707	0.010209	-0.028552	-0.022058	-0.007107
175	-0.055597	0.046481	0.009609	-0.067036	0.032184	0.02641	-0.025266	0.03105	0.022603	-0.012991	-0.00372	-0.01446	-0.000802	-0.000308
176	-0.01853	-0.001051	-0.020752	-0.010669	0.038221	-0.026868	0.028966	0.002928	0.016871	-0.011012	-0.012838	-0.008031	-0.002348	-0.019427
177	-0.014681	-0.030631	0.017359	-0.037339	-0.001498	0.037502	-0.048892	0.010879	-0.01463	-0.02537	-0.008368	0.013484	0.003117	-0.009146
178	-0.028108	0.031498	0.00608	-0.02854	0.012876	0.017417	-0.046609	-0.037531	-0.053304	-0.00835	0.007101	0.015104	-0.00662	0.004373
179	-0.015767	0.011816	0.012124	-0.000489	0.011765	-0.002292	-0.026409	-0.051046	-0.057964	-0.001901	0.006483	0.017152	0.009648	0.004467
180	-0.016693	0.02131	0.006359	0.004438	0.012679	0.011587	-0.02612	-0.048268	-0.045265	-0.008324	0.030276	0.016972	0.012258	0.014201
181	-0.026733	0.014379	0.005027	-0.001267	0.011835	-0.002396	-0.018743	-0.044257	-0.045395	-0.001374	0.027813	0.010993	0.006766	0.004369
182	-0.025953	0.023539	-0.016697	-0.006505	0.008847	0.003471	-0.021819	-0.042963	-0.015295	0.004966	0.033582	0.017799	0.018006	0.020376
183	-0.00394	-0.004773	-0.015802	-0.046261	-0.014586	0.00027	-0.026463	-0.058888	-0.042527	0.013004	-0.002345	0.017799	0.007891	-0.00096
184	0.046897	-0.023149	-0.053048	-0.006414	0.00797	-0.011009	-0.025901	-0.046357	-0.035243	0.008818	-0.030843	-0.002996	-0.019935	-0.028575
185	0.000161	-0.020523	-0.008421	-0.000878	0.023504	-0.024348	-0.013098	0.001229	-0.045611	0.018692	-0.001377	0.00699	0.03162	-0.023893
186	-0.007105	0.000541	-0.014259	-0.006297	0.029516	0.042145	-0.061703	-0.004714	-0.032974	-0.015592	-0.002085	-0.021928	-0.019885	-0.010655
187	-0.008114	0.014147	-0.015214	0.01285	0.001836	0.012031	-0.000931	-0.012615	0.020778	0.010646	0.003232	0.023739	0.02075	0.013085
188	-0.006514	0.019594	-0.026087	0.043688	0.021645	0.002233	-0.006898	-0.001878	0.042571	0.001212	0.007429	0.017255	0.019069	0.02314
189	-0.018804	0.045158	0.002777	0.02777	0.053287	-0.008951	-0.014411	-0.034067	0.031704	-0.003242	-0.00429	0.007959	0.010857	0.015061
190	-0.002771	-0.019548	-0.007252	0.003322	0.005627	-0.008245	0.000872	-0.006599	0.008421	0.018438	0.002052	0.011342	0.020789	-0.012158
191	0.024404	-0.023371	0.016163	-0.020242	-0.019754	0.009133	-0.030552	-0.012379	-0.021813	0.014476	-0.0033	0.007273	0.017709	-0.013724
192	-0.023178	0.00071	-0.045407	0.003722	-0.032115	0.020503	0.015256	-0.017025	0.014425	0.012778	0.000051	0.019354	0.026957	0.02612
193	-0.011556	0.004413	-0.018972	-0.009314	0.017167	-0.003047	-0.026526	0.008669	-0.004581	0.005047	0.004454	0.00479	0.0172	0.015744
194	0.009387	-0.005942	-0.032842	0.011221	0.031854	0.039988	-0.055564	-0.00952	-0.008809	0.006167	-0.035013	0.025312	0.032125	-0.005794
195	0.0175	-0.014341	-0.020061	-0.019256	0.0171	-0.049407	0.014211	-0.00778	0.006264	0.024717	-0.008565	-0.000007	-0.0022	-0.015216
196	-0.021993	0.011814	-0.030374	0.007317	0.027008	-0.003278	0.008506	-0.015314	0.012477	0.0106	0.01123	0.00569	0.009135	-0.007742
197	-0.012059	-0.036307	-0.032413	-0.019694	-0.00239	-0.012813	0.043853	0.009741	0.020677	0.01202	0.032617	0.008288	0.033859	0.007966
198	0.006779	-0.036778	-0.010171	-0.03787	0.022457	-0.061276	0.009029	0.008864	0.01853	0.016955	-0.038362	0.010705	-0.00992	-0.017499
199	-0.023649	0.058132	-0.003252	-0.010326	0.013829	0.015243	-0.013017	0.003704	-0.012259	-0.034677	-0.035998	0.002444	0.001067	0.003858
200	-0.002127	-0.029131	-0.021651	-0.063191	-0.032397	-0.031244	0.008836	-0.000056	-0.03275	0.001292	-0.023759	0.015624	-0.009645	-0.000585
201	0.046749	-0.005388	0.030819	0.015666	-0.009106	0.06465	0.021967	-0.015638	0.012942	0.00109	-0.014047	0.009941	0.002302	0.019473
202	0.016404	-0.031485	-0.061141	-0.012263	-0.01096	0.030231	0.035995	0.009439	0.00424	0.000315	-0.019984	0.001753	0.000143	0.009957
203	-0.009013	-0.07591	-0.00255	-0.01868	0.037008	0.015957	0.012282	0.009531	0.03819	0.016674	-0.028275	0.009162	0.015148	-0.024177
204	-0.044386	-0.016536	-0.052619	-0.014582	-0.036911	0.055648	-0.014014	-0.011413	-0.016664	0.009333	0.016747	0.007486	0.033006	-0.023169
205	0.020557	-0.043357	-0.027415	0.055059	0.007689	-0.05044	0.010451	-0.009335	-0.067694	0.000736	-0.049983	0.003747	0.042236	-0.015902

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
206	-0.008714	-0.058994	0.018315	0.100439	0.020539	0.045101	0.020034	0.003384	0.017107	0.019038	0.003482	-0.012466	0.004604	-0.017022
207	0.63314	0.018108	0.053912	0.002172	0.016974	0.009738	0.003938	-0.020058	-0.004796	-0.039908	0.073662	0.009263	0.010097	0.030166
208	-0.007581	0.755718	-0.013503	0.016723	0.030814	0.000371	0.051261	0.023615	-0.010114	0.028581	-0.026827	-0.017232	0.015796	-0.027972
209	0.014432	-0.020852	0.717321	-0.068654	-0.02194	0.073123	0.106303	0.001388	0.020954	0.010515	0.011886	-0.002251	0.00008	0.012634
210	0.02419	0.01782	-0.029172	0.624393	-0.114418	0.028845	-0.094026	-0.004655	-0.039239	-0.000486	-0.017957	0.000951	-0.007049	-0.016137
211	0.029919	0.028409	-0.002731	-0.093292	0.749375	-0.065551	-0.001934	-0.026828	-0.018534	0.022085	0.009326	-0.012401	0.002749	0.00891
212	-0.01933	-0.020224	0.072395	0.019248	-0.065651	0.641618	0.073797	0.003728	-0.002467	0.026114	0.014876	-0.004652	-0.019484	-0.006881
213	0.036669	0.022365	0.084916	-0.035403	0.040603	0.074178	0.618042	-0.006866	-0.038858	0.013069	-0.032595	0.056625	0.026201	0.012122
214	-0.015731	0.022976	0.006935	-0.009323	-0.010605	0.004702	-0.013487	0.928558	-0.045124	-0.000422	0.011292	0.003438	-0.003153	0.00071
215	-0.006967	-0.043251	0.027616	-0.064206	0.011204	-0.003363	-0.060151	-0.044609	0.776974	-0.028009	-0.009766	-0.02292	0.002839	-0.039352
216	0.00409	0.040227	0.040449	0.021078	0.034731	0.022773	-0.000479	-0.001799	-0.033873	0.883974	-0.009393	-0.016457	-0.052264	-0.017202
217	0.071781	-0.044904	0.023592	-0.002442	0.011272	0.021407	-0.031519	0.011219	-0.006948	-0.007347	0.847888	-0.018644	-0.033323	-0.076076
218	0.020399	-0.004334	-0.009645	-0.02231	-0.012177	-0.000986	0.055371	0.004543	-0.023532	-0.01472	0.003265	0.91381	-0.042648	-0.027675
219	0.0158	0.019136	0.004631	-0.006067	0.01487	-0.004598	0.044143	-0.000484	0.01243	-0.063492	-0.029382	-0.055823	0.889642	-0.035176
220	0.057562	-0.030049	0.013625	-0.024748	0.028384	-0.011864	0.014669	0.004076	-0.005488	-0.010589	-0.072759	-0.021387	-0.030485	0.863133
221	-0.001446	0.007956	-0.007983	-0.036195	-0.018214	0.002852	0.027722	-0.00444	-0.002244	-0.011783	-0.003251	-0.016939	-0.022876	-0.034201
222	-0.022274	-0.012406	-0.01999	-0.017462	-0.029563	-0.009649	0.034021	-0.003537	0.001578	-0.009299	-0.004436	-0.014853	-0.017747	-0.00955
223	-0.029942	0.00678	0.019617	-0.028857	-0.008692	0.005125	-0.017001	0.008372	-0.006891	-0.022853	0.013165	-0.019703	-0.021577	-0.025251
224	0.033767	-0.011426	0.002023	0.021521	-0.026788	0.01754	0.007672	0.002116	-0.030083	-0.049161	-0.003989	0.01956	0.008806	0.004548
225	0.047129	-0.01628	0.011307	0.01392	-0.031337	0.010805	0.001255	0.004139	-0.020104	-0.043534	0.002845	0.022117	0.010083	0.009161
226	0.024585	-0.007051	-0.008944	-0.009976	0.021935	0.004541	0.01064	0.00654	0.009537	0.022064	0.016845	-0.000157	0.002689	0.007771
227	0.064488	0.01106	0.032602	0.015654	0.030569	0.04759	0.007374	0.009355	-0.033924	-0.025982	0.005388	0.018844	0.012769	0.005961
228	-0.052571	-0.025173	-0.003065	0.045441	0.000301	-0.000841	0.021614	0.000224	0.014624	-0.004594	0.006803	-0.001167	0.005114	0.017426
229	-0.030333	-0.011379	0.041773	0.071134	0.032787	-0.006591	-0.017905	-0.008923	-0.013942	0.004543	0.00474	-0.002423	0.004024	0.008049
230	-0.044203	0.058294	0.061079	0.022306	-0.00658	0.002084	-0.017724	-0.009142	-0.032336	-0.061789	0.03151	0.02437	0.002969	0.020361
231	0.038539	0.000757	-0.045325	0.002581	-0.013419	-0.005137	0.018845	0.026449	0.006963	0.007891	0.020351	0.020872	0.012873	0.018447
232	-0.036616	-0.014341	0.003307	-0.012515	-0.012355	-0.051508	0.036452	0.009349	-0.017189	0.006736	0.013449	0.010225	0.030014	0.008367
233	-0.02047	0.024095	0.039063	-0.02394	-0.011721	-0.000221	-0.036662	-0.002038	-0.061462	-0.001271	0.010084	-0.016197	0.006337	0.01435
234	-0.023547	0.01142	-0.006133	0.039459	0.030006	-0.016425	0.030233	0.014496	-0.003669	-0.025878	0.028605	-0.002357	-0.023109	0.006585
235	0.003093	0.005074	-0.037077	0.050134	-0.008823	-0.028343	0.010695	0.018458	-0.015514	0.004787	0.001435	0.006943	-0.006971	-0.001493
236	-0.016716	0.0048	-0.002586	-0.031389	-0.009186	-0.037852	-0.011301	0.013865	0.01501	-0.00933	0.01551	0.015474	0.015841	0.01349
237	0.014778	-0.024998	0.003746	0.019908	-0.003435	0.02267	0.003034	0.00299	0.022782	0.010316	0.015237	-0.001633	0.028469	0.046088
238	0.008847	-0.001235	0.014093	0.013085	-0.018229	-0.006312	0.00095	-0.004144	0.011896	-0.032885	-0.01774	0.003395	-0.035175	0.026361
239	-0.005533	0.004832	-0.007152	-0.011346	-0.011897	-0.00536	-0.006735	-0.000042	-0.000122	-0.029662	-0.018768	-0.00412	-0.049075	0.023164
240	-0.016288	-0.019072	0.011584	0.019298	0.017577	0.004522	0.010353	0.011316	0.000201	0.019047	-0.017793	0.018968	0.014521	-0.002028
241	-0.036619	0.016898	0.022167	-0.010075	0.000408	0.001244	-0.027513	-0.007139	-0.034117	-0.005395	0.012367	-0.003456	0.012925	0.004559
242	-0.005314	0.009724	-0.005903	0.012587	-0.0161	-0.01987	-0.022852	0.004821	-0.031646	-0.003341	0.001562	-0.007628	0.008989	-0.017563
243	0.018123	0.0119	0.00441	0.023964	-0.024366	0.005163	-0.025441	0.007053	-0.035102	-0.017179	-0.046124	-0.006964	-0.019936	-0.025217
244	-0.001173	0.002542	0.006875	-0.024638	-0.022529	0.006803	-0.015357	-0.009226	-0.017189	0.008686	0.006984	0.022546	0.020394	0.009344
245	-0.010896	-0.003271	-0.006449	0.019954	0.000368	-0.018849	-0.026745	-0.000759	-0.017023	-0.007543	0.003582	0.005057	0.012705	0.007588
246	0.009065	0.000236	-0.00683	0.001782	0.016381	-0.023876	0.024095	-0.00297	-0.015435	-0.008156	0.01739	-0.014059	-0.001703	-0.029887

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
247	0.013209	0.02482	0.003251	-0.027351	-0.001964	-0.027645	-0.005169	-0.003721	-0.000168	-0.020062	-0.012162	0.003058	-0.024525	-0.039816
248	0.018487	0.008567	-0.007514	-0.035777	-0.011233	-0.039413	0.00658	-0.005205	-0.001548	-0.009267	-0.010674	0.010231	-0.01747	-0.040369
249	-0.028154	-0.042402	-0.014492	0.021249	-0.002846	-0.020653	0.035575	0.019887	0.014687	0.014401	-0.021948	0.008095	0.016646	-0.001591
250	-0.02675	0.005895	0.021145	-0.005765	0.021949	0.01837	0.003825	0.006352	0.001215	0.007072	0.01069	0.021838	0.016844	0.000986
251	-0.030381	-0.010825	0.00808	0.00934	0.006799	0.013302	0.018618	0.006914	0.024607	0.02446	0.010641	0.028608	0.016934	-0.002107
252	0.000347	0.010569	-0.011116	-0.0071	0.00749	-0.006885	-0.03448	0.003271	-0.009737	0.029853	-0.01783	0.025172	0.035896	-0.007103
253	-0.010082	-0.011237	0.003639	0.021306	-0.009041	-0.011674	-0.034215	0.001564	-0.033299	0.001091	0.000423	0.007931	0.037031	-0.000144
254	-0.025976	0.003763	0.018417	-0.002498	-0.005354	-0.014121	-0.039772	0.010856	-0.004441	-0.012537	0.012303	0.009102	-0.007857	-0.008037
255	0.000736	0.008369	0.009205	0.000045	0.006194	-0.025989	-0.00243	0.006201	0.003244	0.000423	0.008735	0.02311	0.006505	-0.025075
256	0.012968	-0.020815	-0.002892	0.052929	0.069476	-0.04456	-0.028961	0.013317	-0.017904	-0.015076	-0.005904	0.012736	0.020053	-0.045239
257	-0.02738	0.008541	0.024382	0.005448	0.018957	-0.010543	-0.008356	0.004943	0.01033	0.01217	-0.007883	0.022758	0.020828	-0.003221
258	0.010038	0.015087	0.001746	-0.027889	-0.030095	-0.019511	-0.012277	0.003335	-0.00558	-0.005016	-0.012212	0.010519	0.015481	-0.007659
259	-0.040268	-0.010345	-0.003543	0.003945	-0.012418	0.008838	0.007776	0.004513	0.024773	0.005674	0.004151	0.014878	0.004136	0.012932
260	-0.037385	0.010869	-0.002032	-0.010303	0.030525	0.0333	-0.02958	-0.011564	0.03347	0.030283	-0.004051	0.039228	0.024965	0.004152
261	-0.007271	-0.009912	-0.007108	0.021176	0.034903	0.001918	0.009216	0.004156	0.043723	0.029786	-0.015866	0.030077	0.01672	-0.009501
262	-0.005167	0.005528	-0.02148	0.00345	-0.003746	-0.019758	0.007892	0.005956	0.015094	0.021455	-0.014019	0.0176	0.017625	-0.00198
263	-0.007249	0.012241	-0.013806	-0.001331	-0.022152	-0.016946	-0.00278	0.003241	0.015361	0.018989	-0.014225	0.02066	0.015813	0.001762
264	-0.022277	-0.006158	-0.017042	0.020068	-0.004158	-0.005506	0.023249	-0.005803	0.013905	-0.011156	0.002273	0.007374	-0.003528	0.003629
265	0.007087	0.015268	-0.001744	0.019179	0.019456	-0.025116	-0.021997	0.001813	0.020769	-0.012556	-0.011783	0.01023	-0.013501	-0.008188
266	0.029947	0.004616	-0.001748	0.022005	0.01819	-0.046333	-0.018348	0.003483	0.035649	-0.009481	-0.017782	0.019448	-0.011878	-0.028676
267	0.043595	-0.04291	0.008815	0.024211	0.053887	0.016452	-0.014778	0.001682	-0.037748	-0.007885	-0.005105	-0.021262	-0.003699	0.000151
268	0.018193	0.00049	-0.022903	-0.022685	0.016991	0.007512	0.007212	0.0021	-0.007648	0.012959	0.014889	-0.002022	0.000336	0.010346
269	0.017734	-0.001616	-0.007165	-0.006013	0.01434	0.008642	-0.000618	-0.002851	-0.011359	0.016819	0.017979	0.004395	0.010481	0.00383
270	0.019762	0.005586	-0.006625	-0.005023	0.031271	0.027518	0.016887	0.003769	0.009258	0.01777	0.013977	0.010563	0.01196	0.00122
271	0.002565	0.015748	-0.024817	0.042497	-0.03178	0.026507	0.018458	-0.013585	0.044161	0.00911	0.004225	0.005805	-0.005367	0.035587
272	-0.034266	-0.021047	0.016403	0.06202	0.028859	-0.017592	0.009579	0.002805	0.028399	0.030425	0.003189	-0.005005	-0.006951	0.016115
273	-0.036786	0.034726	0.002432	-0.023859	-0.008428	0.019576	-0.004857	-0.003743	0.009372	0.036378	0.011968	0.011616	0.017397	0.004717
274	-0.038791	0.038725	0.010138	-0.008078	-0.003447	0.020412	-0.010721	-0.006668	0.012878	0.03486	0.012774	0.01573	0.019906	0.00455
275	-0.035401	0.038301	0.05966	0.021484	0.01849	0.024029	0.010977	-0.01054	-0.006626	-0.025439	0.001675	0.029698	0.004178	-0.007382
276	-0.031094	0.002854	-0.005792	-0.004598	0.002796	-0.035167	-0.000272	0.017143	0.032458	-0.006003	0.015854	0.007697	0.010956	0.017454
277	0.00301	-0.005504	-0.024925	0.000771	-0.020538	0.008621	-0.01099	-0.000522	0.004283	0.019969	0.02099	-0.020256	0.016328	0.054165
278	-0.013246	-0.009268	-0.027153	0.000999	-0.021852	0.018344	-0.01571	-0.002859	0.000208	0.023801	0.036342	-0.01032	0.026482	0.064927
279	-0.016809	0.006288	-0.015317	0.012136	-0.001923	0.003321	0.00762	-0.006131	0.019718	-0.025988	-0.021113	-0.001523	-0.057683	0.021474
280	0.005799	0.010148	-0.006418	0.041328	-0.013484	0.02671	-0.018998	0.01464	-0.029209	-0.025633	-0.017799	-0.010976	0.009011	-0.003793
281	0.011337	-0.002645	-0.039486	-0.023821	-0.018069	0.007801	0.008519	-0.001286	0.000403	0.011085	0.030339	-0.016421	0.007937	-0.03098
282	0.009769	0.023763	-0.044495	-0.026231	-0.03965	0.015647	0.014022	-0.002793	-0.007165	0.007481	0.035022	-0.006805	0.014682	-0.021288
283	0.012191	0.031987	-0.010273	-0.011664	0.004864	-0.007758	-0.012265	-0.009934	0.021338	-0.008366	-0.007729	0.00517	-0.037801	-0.04595
284	-0.034925	0.002484	0.015013	0.019501	0.017604	-0.000569	0.002623	0.001265	0.011323	0.012453	0.002837	0.014793	0.01517	0.000632
285	-0.037801	0.01038	0.010412	0.014756	0.006714	0.008533	0.007719	-0.002269	0.008132	0.013186	0.008181	0.017011	0.018532	0.007393
286	-0.010566	0.015242	0.025036	-0.002154	-0.031681	0.00626	-0.023208	-0.001156	-0.004251	-0.009024	-0.007449	0.007491	0.01295	0.002535
287	-0.01147	0.026035	0.021161	-0.001652	-0.034565	0.010359	-0.020087	-0.003997	-0.001609	-0.003568	-0.00487	0.011099	0.014048	0.008875

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
288	0.007599	0.020506	-0.01192	0.001749	-0.022409	-0.004504	0.003335	-0.009765	0.011176	-0.002826	-0.013097	0.014923	0.015654	-0.020296
289	0.010874	0.008648	-0.016597	-0.002137	0.016575	-0.029347	0.013725	0.008106	0.024278	0.013526	-0.028456	0.023458	0.010231	-0.026304
290	0.01606	-0.000806	-0.021762	0.00244	-0.014487	0.017567	-0.008701	-0.003245	-0.001293	0.014438	-0.036098	0.019388	0.01679	-0.024664
291	0.017395	-0.000981	-0.021596	0.004888	-0.016474	0.019053	-0.006805	-0.002002	-0.000098	0.013849	-0.038858	0.01764	0.014672	-0.025225
292	0.007003	-0.000905	-0.01139	0.010321	-0.021577	0.014881	-0.003493	-0.002452	-0.003243	0.00761	-0.047058	0.016105	0.007531	-0.028805
293	-0.046399	0.006198	-0.017624	-0.031749	0.006306	0.005337	-0.019508	0.021739	-0.019791	-0.020202	0.027707	0.003158	-0.006629	0.027114
294	0.012655	0.003749	-0.031135	-0.029807	-0.000089	0.009567	0.017024	0.003596	-0.012314	0.006357	0.005097	-0.015561	-0.008664	0.009022
295	-0.043015	0.014895	0.001438	0.016867	0.006906	0.001999	-0.023212	0.010083	0.012909	0.025445	0.002922	0.008079	0.006957	0.004234
296	-0.01049	0.000128	0.020525	0.015189	0.032421	0.015309	-0.026273	0.00008	0.014594	0.047697	-0.015815	0.008934	0.022827	-0.030504
297	-0.052121	0.003886	-0.00965	-0.001842	0.010044	0.012548	-0.033764	0.012302	0.015753	0.018179	0.015751	0.004199	0.012833	0.001757
298	-0.048531	-0.007132	0.017893	-0.060014	-0.015229	0.022211	-0.02296	-0.011198	0.002194	0.012255	-0.008849	-0.002668	-0.015181	-0.012909
299	-0.030213	-0.032062	-0.016198	-0.036086	-0.01256	0.00575	-0.00715	0.025722	0.031214	0.016581	0.026869	0.004553	0.005163	0.018441
300	-0.042045	0.031348	0.02969	0.034312	0.021779	0.031683	-0.019758	-0.011011	-0.012836	-0.00933	0.010295	0.021641	0.002537	0.008408
301	-0.044686	-0.024233	-0.009988	0.001446	0.013069	-0.018375	0.013242	0.012277	0.012027	0.012864	0.016257	0.008514	0.000222	0.017341
302	-0.015178	-0.04079	-0.003254	0.007708	0.024907	0.002747	0.020219	0.009784	0.010085	0.008732	-0.024054	0.000001	-0.013553	-0.01427
303	-0.005801	-0.046817	0.006179	-0.031408	-0.018916	0.005485	-0.005905	0.023165	0.011762	0.01926	-0.012708	-0.004432	0.002807	0.013269
304	-0.001073	-0.064333	-0.005824	-0.02135	0.001253	0.012153	0.005556	0.028668	0.025454	0.018878	-0.003579	0.000709	0.002519	0.013366
305	-0.089792	-0.00533	0.018746	0.007063	0.034781	0.02036	0.015713	0.016197	0.017722	-0.011036	0.016701	0.006965	-0.004356	0.019529
306	-0.004006	-0.009773	-0.01548	-0.005626	0.064694	0.03401	0.015027	0.026525	-0.034449	-0.006437	-0.012357	-0.013029	0.013665	-0.015969
307	0.020911	0.017101	-0.008496	0.086486	-0.057136	0.017247	-0.009449	0.00695	-0.001776	0.005082	0.01582	0.00818	0.059596	0.028033
308	-0.003163	0.076877	0.041438	0.023399	0.018975	0.018549	-0.005797	0.003907	0.051732	-0.002864	0.011927	0.018491	0.00887	0.012963
309	0.025555	-0.012999	0.006582	0.017649	-0.001146	0.005144	-0.018294	0.009784	0.000568	-0.000059	0.008376	-0.002202	-0.00444	0.018988
310	0.040212	-0.028901	0.032188	-0.010442	-0.024222	0.000418	-0.049116	-0.009339	-0.056562	0.008429	-0.033908	0.004106	0.002805	0.000615
311	-0.010409	0.03253	0.007727	-0.018254	0.000491	0.010329	-0.041605	0.000327	0.009935	0.005785	0.025307	0.013086	0.003258	0.027573
312	-0.009037	0.038225	0.003938	0.026747	0.025649	-0.026236	-0.001249	0.017706	-0.00632	0.010051	0.025828	-0.012014	-0.010013	-0.017932
313	0.018994	-0.003098	0.034292	0.003528	0.001503	-0.031402	-0.022825	0.006597	0.010316	0.005205	0.014872	-0.000784	-0.004789	-0.003408
314	-0.002719	-0.052111	-0.032121	-0.038788	-0.046185	-0.007365	-0.01413	0.004387	-0.02177	0.008426	-0.014869	-0.027798	0.008145	-0.002569
315	0.015893	0.011734	0.020656	0.028358	-0.001405	0.007357	-0.030803	0.010105	0.008499	-0.001778	0.014396	0.001309	0.013742	0.012924
316	-0.034912	-0.013526	0.026353	0.076682	0.020371	0.001494	0.052823	-0.009458	0.012526	-0.007333	-0.016088	-0.001978	-0.005136	-0.000345
317	0.011363	0.01679	0.013305	0.037569	0.007161	-0.017099	-0.037719	0.002475	0.004636	0.012497	0.010425	0.00544	0.001099	0.015474
318	0.006586	-0.024567	-0.006297	-0.0004	-0.00955	0.006856	-0.041783	-0.006811	0.022339	0.014108	0.017032	0.026693	0.016428	0.027891
319	0.019132	0.006631	0.017531	0.027212	-0.018663	0.003368	-0.041617	0.005561	-0.007847	-0.001799	0.017245	0.000697	0.013201	0.012989
320	0.000902	0.010216	0.005169	-0.031445	-0.004524	-0.002178	-0.036372	0.008252	-0.014636	0.000104	0.001876	-0.011244	-0.021729	-0.00825
321	0.017322	-0.018675	-0.021067	-0.041656	-0.016311	0.014489	0.016678	0.00534	0.011632	0.028483	0.000181	-0.005591	0.03339	-0.006597
322	0.038438	0.010757	0.001387	0.012489	0.015604	0.012356	0.013612	0.009532	0.010958	-0.014415	-0.043713	0.018455	-0.005902	0.010195
323	-0.010611	-0.008406	0.018903	-0.029449	-0.01921	-0.040728	0.013328	0.00667	-0.006366	0.003954	0.014679	-0.002373	0.005933	0.003313
324	-0.048183	-0.029814	-0.023077	-0.028697	-0.000169	0.039739	0.05509	-0.013698	0.038163	-0.003297	-0.00055	0.004898	-0.016336	-0.019118
325	0.006459	0.005086	0.000593	0.018519	0.031989	0.006496	0.006167	-0.00798	-0.000573	0.001979	-0.002827	-0.010567	-0.003417	-0.012152
326	0.006361	0.022127	0.034547	-0.005736	-0.011864	-0.053901	-0.028191	-0.01092	0.003092	0.00049	-0.007225	0.008989	-0.018353	0.002388
327	-0.013174	-0.008493	0.029853	0.018579	-0.010376	-0.013987	-0.003176	0.001055	0.010543	0.011554	-0.002016	0.002516	-0.005451	-0.000081
328	-0.018823	0.021858	-0.030954	-0.010773	0.03072	0.018144	0.072302	0.007742	0.015576	0.010912	-0.002373	-0.030715	0.007154	-0.009614

	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM
329	-0.002131	-0.002345	0.021328	-0.002847	-0.022721	-0.053262	0.020731	0.000964	0.028931	0.017373	-0.000721	0.007009	-0.007905	-0.003606
330	-0.015625	-0.022847	0.03101	-0.052424	0.033249	-0.002808	0.019436	-0.017399	-0.051351	0.00877	-0.013361	-0.001156	-0.006305	0.006594
331	0.0082	0.014524	0.001637	0.004827	-0.003315	-0.013673	0.000508	0.003302	-0.008695	-0.014621	-0.000234	-0.005269	-0.015777	0.010012
332	0.005903	0.038074	-0.001323	-0.021298	0.012914	0.003069	-0.019871	-0.010007	-0.026675	-0.016684	0.01897	0.016218	-0.006594	0.023753
333	0.006899	-0.007893	-0.009579	0.031792	0.03084	-0.003128	0.011167	0.000256	-0.006369	-0.014009	0.006539	0.004265	0.000275	0.005604
334	-0.000049	-0.0317	-0.03649	0.038489	0.020775	0.018741	0.085519	-0.003512	-0.033611	0.000098	-0.020105	-0.03302	-0.013234	-0.039407
335	-0.000799	0.004055	0.004496	0.00537	-0.00666	-0.038107	-0.001756	0.000452	-0.027636	-0.012438	0.023441	-0.003929	-0.005573	0.009497
336	0.030515	0.000917	0.037683	-0.013518	0.020952	0.017211	-0.045359	0.01455	-0.012022	-0.026636	0.010097	-0.00246	-0.002101	0.023749
337	-0.022115	-0.02642	-0.049127	0.065897	0.029301	0.022169	0.05497	0.011271	0.049104	0.025396	0.002811	0.011183	0.008089	-0.00824
338	-0.01455	-0.03201	0.044703	-0.045892	-0.042948	0.0365	-0.014091	-0.000885	-0.023272	0.030142	-0.029182	-0.007286	0.003802	-0.012966
339	-0.026225	-0.027872	-0.044037	0.039137	0.023812	0.012308	-0.004827	0.004493	0.016675	0.004062	0.009885	0.003553	-0.002508	0.021625
340	-0.077431	-0.014127	0.02739	-0.028584	0.038928	0.088819	-0.046525	0.000709	0.007433	-0.007737	-0.010968	0.022163	0.009644	-0.014176

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
1	0.010172	-0.01127	-0.000065	0.001721	-0.014064	-0.015701	0.003229	-0.072243	0.037112	0.063524	-0.035913	-0.079261	-0.06979	-0.123316
2	-0.036528	-0.085375	-0.048164	-0.040841	-0.064017	-0.043006	-0.0986	-0.016604	-0.079106	-0.012083	-0.001802	0.045574	0.06049	-0.042182
3	0.010975	0.01555	0.004848	-0.003836	-0.014755	-0.092115	-0.115548	-0.051285	-0.069498	-0.088607	-0.061919	0.017101	0.010697	-0.052821
4	0.003742	0.039229	0.05656	0.100983	0.085312	-0.037288	0.014596	0.033935	-0.019623	-0.04381	-0.042475	0.037601	-0.012207	-0.046566
5	0.068279	-0.034253	0.016782	0.051477	0.080672	-0.044358	-0.001246	0.01731	-0.06503	0.060225	0.030487	0.061792	0.026737	0.046869
6	-0.105715	-0.076196	-0.08444	0.122995	0.139304	0.010827	0.05182	0.025478	-0.002424	-0.014098	0.083217	0.054596	0.009249	0.059571
7	-0.009289	0.011213	0.012379	-0.014594	-0.0271	0.071035	-0.009909	0.062854	0.079607	-0.009052	-0.0414	0.140216	0.146204	0.019991
8	0.03548	0.011628	-0.017537	0.039248	0.043569	-0.045703	0.025418	-0.018882	-0.007373	0.023948	0.004415	-0.108734	-0.021895	-0.00346
9	0.006303	0.037682	0.009179	-0.062638	-0.084337	-0.013759	-0.054889	-0.031998	-0.067857	-0.057467	-0.052219	-0.038253	0.052592	-0.014775
10	-0.050904	-0.063331	-0.044542	0.051365	0.045182	-0.017942	-0.073211	0.137212	0.069004	0.068954	-0.011427	0.07709	0.00584	0.103653
11	-0.027358	0.005762	-0.020131	-0.049385	-0.04742	0.028131	-0.02614	0.021082	-0.05949	-0.049294	-0.053614	0.035052	-0.018698	0.008449
12	-0.009162	0.056176	0.024734	0.066174	0.067123	0.038943	0.093053	0.044478	-0.026496	0.052116	0.097957	-0.027388	-0.03699	0.003277
13	0.009396	0.052983	0.061502	0.065954	0.059533	0.049162	0.036588	0.038183	-0.05016	-0.029232	0.0185	-0.017416	-0.020906	-0.018296
14	0.006823	-0.010351	-0.011702	-0.070103	-0.042387	-0.01894	-0.006306	-0.008868	-0.112553	-0.059196	0.01714	-0.009654	0.009744	0.063366
15	-0.0628	-0.045014	-0.003629	-0.030918	-0.019889	-0.018633	-0.011993	0.022699	0.07177	0.067641	0.012932	0.029054	0.050587	0.039836
16	0.01781	-0.048755	-0.019231	0.061408	0.06821	0.046427	0.090113	-0.043893	0.039756	0.039473	-0.026017	0.001584	-0.036018	-0.086874
17	0.00926	0.029766	-0.004669	0.031338	0.048435	0.000126	-0.032321	-0.007292	-0.02693	-0.016488	0.025716	0.009427	-0.143533	-0.08107
18	-0.010177	0.025528	-0.008969	0.0021	-0.011984	0.01529	-0.024026	0.126963	0.079637	-0.017496	-0.008778	0.030441	0.008474	-0.03099
19	0.043491	0.048008	0.02611	0.04258	0.07488	0.066383	0.147825	0.113149	0.060262	0.030852	0.057937	0.04845	0.080368	0.070601
20	0.048663	-0.000991	-0.027938	0.060529	0.04798	-0.007108	-0.026495	0.041046	0.007939	-0.047894	0.069307	0.072141	0.045586	0.02304
21	-0.037645	0.016526	0.003563	-0.001938	-0.007043	0.033661	0.058296	-0.019487	0.040182	0.026384	0.02603	-0.039181	-0.054062	0.025931
22	-0.040866	-0.030239	-0.074286	-0.062037	-0.072537	0.059146	0.019413	0.036899	-0.028381	-0.017332	0.049301	0.004302	0.023775	0.028482
23	-0.077698	-0.007153	-0.018513	-0.034105	-0.026242	-0.027701	-0.012476	-0.018425	-0.118563	0.017473	0.078482	-0.08881	-0.013807	0.036383
24	0.053526	0.023288	0.036423	0.086511	0.118319	-0.009879	0.012741	-0.026012	0.021933	0.023017	0.052813	-0.025269	-0.050109	-0.113639
25	-0.048319	-0.056342	-0.102553	0.028985	0.009078	0.061489	0.075641	-0.019582	-0.044952	-0.035394	0.035142	-0.050178	-0.107115	0.04051
26	-0.090835	-0.00974	-0.018855	0.060562	0.068103	-0.004317	0.039058	0.055093	0.082611	0.095885	-0.017898	0.073999	0.030396	0.009615
27	0.017345	0.032706	0.004537	0.011888	0.018667	0.036307	0.068979	0.087647	-0.121569	-0.10665	-0.013026	-0.004861	-0.002877	0.068141
28	0.034956	0.009838	-0.018988	-0.045966	-0.014574	-0.055458	-0.034564	-0.058376	0.035393	0.004411	-0.016669	-0.107338	0.04098	0.003722
29	-0.025089	0.003766	-0.003434	0.011799	0.03355	0.006606	0.021983	0.013273	0.03816	0.014322	-0.001032	-0.000871	0.001066	0.021422
30	0.027324	-0.059303	-0.009063	0.007613	0.035652	0.07662	0.012648	-0.045186	-0.04054	-0.007019	0.071327	0.040435	-0.036223	-0.046514
31	0.075815	-0.028887	0.010322	-0.109136	-0.097958	0.047448	-0.097093	-0.045216	0.06727	-0.11266	-0.032335	-0.082379	-0.053278	0.03449
32	0.069756	0.126402	0.1054	-0.072463	-0.057669	0.009761	-0.0513	0.087723	-0.004491	0.032016	0.015585	0.028695	-0.040843	0.063238
33	-0.035225	0.021892	0.035312	0.031268	0.003543	-0.01398	0.092439	-0.011099	-0.026204	0.081162	0.055154	-0.00615	-0.029836	0.087912
34	0.022786	0.022967	0.016614	-0.03595	-0.018073	-0.027419	-0.080556	0.010321	-0.03279	-0.022629	0.016231	-0.00396	0.004261	0.075824
35	-0.013843	-0.057809	-0.043177	-0.02772	-0.037204	-0.023658	-0.013691	-0.050335	0.02395	0.011369	0.017933	-0.035285	0.004096	0.002177
36	-0.102381	-0.030211	-0.010232	0.025318	0.018761	-0.003814	0.009244	-0.026933	0.000361	-0.015514	-0.044908	0.03046	0.02808	-0.130985
37	-0.01907	-0.016026	-0.03729	-0.024371	0.004361	-0.02541	0.023819	-0.061151	0.022322	0.013864	0.081179	-0.049804	0.080553	0.014663
38	0.036934	-0.018031	0.028957	-0.056675	-0.035606	0.033369	-0.015531	0.00928	0.026046	-0.054214	0.083267	0.030989	0.025128	0.068681
39	-0.062753	-0.009512	-0.046798	-0.090455	-0.101134	0.030979	-0.033407	0.027423	0.003863	0.021544	-0.024031	0.00904	0.042166	0.088311
40	-0.00383	0.024239	0.004049	0.002478	-0.00163	0.007558	0.003834	0.011379	-0.001427	-0.002732	-0.013357	0.009377	0.014029	-0.001501
41	-0.014915	-0.032865	0.089162	-0.017819	-0.027508	-0.007413	0.037068	-0.026001	-0.127394	-0.009528	0.15467	-0.022949	-0.010671	0.064949

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
42	0.025224	-0.032187	-0.055237	0.040208	0.008642	-0.015691	0.038013	0.013868	0.067954	0.013392	0.008723	0.033488	-0.018946	-0.013234
43	-0.05373	-0.094592	-0.046403	0.025061	0.019833	0.020971	0.061768	-0.061822	-0.008627	0.032501	0.016996	-0.03527	0.013946	0.00096
44	-0.033923	-0.035154	-0.069145	-0.025625	-0.051011	0.007436	0.00514	-0.072959	-0.004056	-0.028505	-0.002231	0.017437	0.048345	-0.087835
45	0.005747	-0.073929	-0.024752	0.008585	0.003404	-0.021747	0.070792	-0.005322	0.038727	0.096958	0.064534	-0.092351	-0.058943	0.097343
46	-0.031321	-0.000413	-0.046727	0.014645	0.05397	-0.059347	-0.108414	0.044979	0.115141	0.01039	-0.145259	-0.037589	0.017359	-0.015231
47	-0.00471	-0.045028	-0.017209	-0.103316	-0.109839	0.02238	-0.004437	0.025623	0.000361	-0.120359	-0.054261	-0.068761	0.037038	0.011165
48	-0.00376	-0.007176	0.018982	-0.018817	-0.029343	0.038858	0.004649	0.04789	-0.010556	-0.097811	0.021974	0.046144	-0.031587	0.004681
49	-0.015798	0.019255	0.022095	0.070728	0.07527	0.013447	0.070716	-0.031934	-0.054697	0.070518	-0.041099	0.014512	0.063789	0.009573
50	-0.039677	-0.002094	0.045705	-0.003774	0.017737	-0.010503	-0.112176	0.018811	0.126747	0.012987	0.060015	-0.003664	0.036812	0.01726
51	0.019116	-0.006788	-0.016875	0.07768	0.091501	0.00332	0.016379	0.018595	-0.119541	-0.103952	-0.008316	0.024598	-0.017705	0.008843
52	0.020459	0.009836	0.019553	-0.020448	-0.033883	-0.002609	-0.051127	0.000285	0.044108	0.089414	0.102821	-0.000465	-0.04317	0.004534
53	0.041937	0.022339	0.023086	-0.03414	0.003254	0.050481	0.024357	-0.034991	0.04251	-0.01504	0.007154	-0.000302	0.013713	0.012957
54	-0.001828	-0.016628	0.05993	-0.05039	-0.040842	0.001729	-0.067365	0.048469	-0.027939	-0.056662	0.048073	-0.058891	-0.126969	-0.058493
55	0.015799	-0.023895	-0.004635	-0.008391	-0.010544	-0.064871	-0.020685	0.016123	0.029701	0.006647	-0.045618	-0.094192	-0.046863	0.038513
56	-0.017316	0.02292	0.070468	-0.069893	-0.075839	0.016438	-0.043401	0.017613	0.054869	-0.017085	0.035553	-0.045696	-0.019696	0.004743
57	0.02089	0.017769	0.057171	0.074988	0.09586	0.001417	0.019054	-0.033488	-0.002447	0.035944	-0.080783	-0.028773	0.099757	0.050168
58	0.068478	0.08712	0.025678	-0.014635	-0.011057	-0.008619	-0.064754	0.018334	0.004447	0.061591	-0.023175	0.041861	-0.025932	-0.076844
59	-0.051458	0.034425	0.006688	0.011358	0.001688	0.01228	0.044353	0.022536	0.038889	-0.029676	-0.07243	0.004811	0.031278	-0.018593
60	0.027419	0.008262	-0.003605	-0.019582	-0.018996	0.009956	0.006472	0.014544	0.015223	-0.002452	0.006927	-0.017946	-0.0295	0.00706
61	0.047031	0.015421	0.014149	0.028497	0.032394	-0.007025	-0.005489	0.023042	0.029131	0.012296	0.007262	-0.011893	-0.025407	-0.004849
62	-0.019106	0.006916	-0.012028	-0.002013	-0.013543	0.010425	0.025682	-0.005733	0.003929	-0.00667	0.039507	-0.009036	-0.000938	-0.020544
63	0.014024	0.013877	0.00735	0.022565	0.022387	0.002219	0.012008	0.013026	-0.004921	-0.011126	0.015044	0.003793	0.011553	0.002449
64	-0.00003	-0.001843	-0.003083	0.003257	-0.003978	-0.006646	-0.002257	-0.018898	-0.015522	-0.000862	-0.002591	-0.026553	0.020463	-0.008141
65	-0.052954	-0.00336	-0.010759	0.007515	0.001888	0.003935	-0.017984	0.015762	0.018417	0.017614	-0.009391	0.013187	0.007483	-0.01112
66	-0.001884	0.030299	0.015103	0.010571	0.023423	-0.005052	-0.027359	0.007666	0.033488	0.031797	-0.01441	-0.002228	0.009285	-0.021079
67	0.013396	-0.018752	-0.014178	-0.015047	-0.005391	0.019988	-0.007745	-0.019439	0.004322	-0.0266	0.03899	-0.004414	0.00129	-0.008765
68	-0.014402	0.005423	-0.015564	-0.004966	-0.019733	-0.001561	-0.030731	0.014413	0.008082	-0.017163	-0.007043	0.027574	0.023301	-0.043073
69	0.02153	-0.013226	0.002449	0.017719	0.010691	-0.00693	0.013998	-0.020239	-0.006487	0.014122	0.031208	-0.006938	-0.020616	-0.021226
70	0.012087	0.012372	0.009866	0.000863	0.00137	-0.007464	0.006977	-0.02152	0.015306	0.003396	0.001288	-0.013499	-0.007798	-0.009177
71	-0.007504	-0.006438	-0.00647	0.015425	0.003993	-0.003916	-0.011276	0.007707	-0.021853	-0.015477	-0.021753	0.01543	0.01897	-0.021293
72	-0.008318	-0.006244	0.000268	0.034868	0.027087	0.001937	0.051814	-0.014123	-0.040597	-0.009597	-0.015409	0.005216	0.010622	-0.015369
73	-0.025548	0.000634	0.003723	-0.028458	-0.031112	-0.012569	-0.039903	0.024044	0.035262	0.012691	-0.00992	0.063399	0.017358	-0.007962
74	-0.019759	0.016992	0.02867	-0.028082	-0.025808	0.007516	-0.006477	0.029926	-0.00653	-0.00841	-0.028498	0.010221	0.025681	0.023845
75	-0.002338	-0.003032	-0.004963	-0.006214	-0.006772	-0.005901	-0.014461	0.012873	0.017098	-0.01332	-0.008293	-0.001163	0.001858	-0.004695
76	0.003796	-0.010013	0.003276	0.019703	0.02418	-0.000337	0.010257	0.009679	0.012745	0.009027	0.003791	-0.013017	-0.011924	0.010818
77	0.000131	-0.00276	-0.003998	-0.000513	-0.00251	-0.003102	-0.006901	0.007507	0.016527	-0.00842	0.001283	0.001403	0.001384	-0.001377
78	0.004689	0.000396	-0.003103	-0.012159	-0.014341	-0.005858	-0.014866	0.005324	0.015625	-0.015609	-0.009538	0.00456	0.004627	-0.010011
79	-0.006295	-0.001284	-0.003241	-0.009813	-0.006724	-0.012607	-0.023662	0.001299	0.040268	0.00671	-0.016612	-0.011472	0.01027	-0.005575
80	0.006116	0.008009	0.035817	0.022515	0.018811	-0.004714	-0.026144	0.019569	0.006816	-0.00227	-0.012634	-0.012491	-0.049729	-0.048207
81	-0.004383	0.005636	-0.031105	0.016761	0.000112	-0.010848	0.041341	0.01717	-0.018148	0.003498	-0.030213	0.001591	0.004567	0.017871
82	0.003516	-0.004001	-0.000236	0.006598	0.007742	0.006919	0.015465	-0.010661	0.016388	0.033742	0.000387	-0.008769	0.003859	-0.004133

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
83	0.007823	-0.007218	0.000749	0.002873	-0.001364	-0.006634	-0.004926	-0.015824	0.002605	0.018684	-0.015633	-0.014751	-0.005156	-0.021277
84	-0.000012	0.002751	-0.003106	-0.001644	-0.00913	-0.003139	-0.008916	-0.003237	-0.001232	0.0041	-0.010311	-0.015429	-0.012736	-0.010549
85	-0.017889	0.005187	-0.009496	0.057413	0.057911	-0.012982	0.044306	-0.019021	0.009577	0.011573	-0.024599	-0.013047	-0.008595	-0.009961
86	0.005833	-0.007623	-0.000136	0.030635	0.021576	0.005333	0.019361	-0.003518	-0.018328	0.004642	-0.009493	0.017868	0.00162	0.001022
87	0.022845	-0.012698	0.006184	0.015707	0.008028	0.004087	-0.000577	-0.003334	-0.015276	-0.011237	-0.014098	-0.013526	-0.023793	-0.023584
88	0.017971	-0.002416	-0.001866	-0.016858	-0.013644	-0.000574	-0.017527	-0.006708	0.019413	0.011252	-0.005819	-0.008544	0.00264	-0.013073
89	0.012582	0.001677	0.006981	-0.014605	-0.020144	-0.002504	-0.020563	-0.010565	0.001881	0.000758	-0.012214	-0.011851	-0.003328	-0.023711
90	0.008688	0.002939	0.016124	-0.00229	-0.013179	-0.001269	-0.019387	0.000543	-0.007781	0.000297	-0.008246	-0.002154	-0.012478	-0.036224
91	-0.014811	-0.001105	0.000162	-0.015404	-0.023961	0.006721	-0.004647	-0.021674	0.000464	0.010884	-0.020483	-0.014787	0.004454	-0.022596
92	-0.004041	0.004953	-0.010179	-0.02292	-0.027049	0.010019	0.012	-0.023046	-0.003974	0.009658	-0.012407	0.016377	0.000015	-0.007745
93	0.001956	0.011962	0.019336	0.019501	0.010871	0.000988	0.003147	-0.019301	-0.0114	0.016742	0.005303	0.001003	0.000127	-0.027893
94	0.002333	-0.006766	-0.002222	-0.021963	-0.026862	0.000928	0.004256	-0.036821	0.009311	0.014338	-0.014131	0.020219	0.024239	-0.040281
95	-0.001777	-0.010658	-0.008075	-0.010573	-0.014982	-0.048668	-0.019163	-0.01189	-0.038701	0.021855	0.008294	-0.025003	-0.028868	0.01133
96	0.016273	0.029344	0.029464	-0.022737	-0.004466	0.003423	-0.002996	0.014211	0.009429	-0.026133	-0.031694	0.002381	0.022243	0.010016
97	0.009261	0.010187	0.025134	-0.006044	-0.012441	-0.022876	-0.019247	-0.005104	-0.030951	0.00389	-0.006436	0.009143	-0.002458	0.007456
98	-0.000753	-0.008539	0.000085	-0.002849	-0.005096	0.004801	-0.002033	0.001091	-0.018021	-0.016102	-0.000137	0.004826	0.006708	-0.005972
99	-0.003849	0.003993	0.012903	-0.012676	-0.008991	-0.010147	-0.021305	0.00933	0.007039	0.003756	-0.004808	0.018957	0.004816	0.005978
100	0.016609	0.004866	0.006944	0.028993	0.036811	-0.003375	0.021913	-0.003965	0.013598	0.022128	0.007249	0.018142	0.016975	0.00723
101	0.005968	0.0043	0.003616	-0.002232	-0.005159	-0.000012	-0.009442	0.005135	-0.023699	-0.014488	-0.006385	0.013289	0.019126	0.003382
102	-0.004343	-0.007319	-0.014682	0.028812	0.020771	0.000734	0.028141	0.004269	-0.019851	-0.015657	-0.012127	0.01305	-0.025223	0.013506
103	0.012222	-0.004195	-0.032585	0.001668	-0.005988	-0.003592	-0.005388	-0.023596	-0.01736	-0.014476	-0.03597	0.015456	0.005584	-0.025818
104	-0.018207	-0.002744	0.011685	-0.005773	-0.00824	0.006619	-0.012249	0.016569	0.002793	0.008545	0.00905	0.006672	-0.010427	-0.00426
105	-0.003535	0.025132	-0.001162	-0.015894	-0.019418	-0.007216	-0.031372	0.012934	0.034616	-0.006565	-0.017825	-0.010761	0.001192	-0.029121
106	-0.005413	-0.026249	-0.030924	-0.000358	-0.002783	0.02284	0.024577	-0.022998	0.001445	-0.018957	0.015373	0.001549	-0.004117	-0.002657
107	0.007048	0.01211	0.001193	0.013049	0.018985	0.009134	0.014224	0.034334	0.007967	-0.005868	0.007888	0.042525	0.000016	-0.011962
108	-0.013839	0.015522	0.007129	-0.024062	-0.018301	0.000888	-0.032375	0.022683	0.023124	0.003429	-0.021884	-0.014322	0.02728	-0.008365
109	-0.010234	-0.008007	-0.011057	0.032627	0.02571	-0.01224	0.044235	0.009913	-0.011991	0.026188	-0.018518	0.020576	-0.039939	-0.039736
110	0.022095	0.01169	-0.002569	0.016648	0.013907	-0.025851	-0.02404	0.002505	0.031874	0.007431	-0.018556	-0.004631	-0.013308	0.011267
111	-0.030372	-0.002377	-0.014446	-0.06505	-0.064361	-0.006131	-0.025889	0.050435	0.023495	0.016365	-0.004676	-0.023822	0.005399	0.070371
112	0.011997	0.000046	0.00574	0.004207	0.005013	-0.029773	-0.02449	-0.034297	0.016647	-0.005254	0.006523	-0.024437	0.010949	-0.04694
113	-0.026798	0.001815	0.005387	-0.033091	-0.037466	0.009814	-0.002283	0.006383	-0.004742	-0.00801	0.015041	0.01142	0.007035	0.003373
114	0.013953	0.028683	0.060748	0.005476	0.004294	0.022312	0.009331	-0.013621	-0.001476	-0.00402	-0.029319	0.026799	0.026663	-0.051864
115	-0.008005	0.029043	-0.017464	-0.038394	-0.033258	0.007179	-0.026708	-0.006341	0.021889	0.001759	-0.001804	-0.006748	0.020437	0.02279
116	0.003389	0.001677	0.00481	0.019923	0.016131	-0.032036	-0.0003	0.01642	0.033217	0.020839	-0.02499	-0.010285	-0.001522	-0.008513
117	0.005827	0.037068	0.016301	-0.016393	-0.015927	0.001277	-0.032249	0.01508	0.012284	0.013764	-0.048965	-0.014138	-0.01786	0.008408
118	-0.014433	0.033784	0.041127	-0.020179	-0.020392	0.027693	-0.01264	-0.025295	-0.002099	-0.02642	0.01768	-0.012367	-0.029213	-0.029967
119	0.023149	0.01797	0.018982	0.005848	0.006999	-0.005054	-0.003844	-0.013729	-0.011996	0.000572	0.001988	0.018425	0.005654	-0.007113
120	-0.012867	0.03029	0.011144	-0.014999	-0.014737	-0.002312	-0.035175	-0.002053	-0.002679	0.009717	-0.034622	-0.001876	-0.003873	-0.002266
121	-0.050146	-0.019199	0.001853	-0.014585	-0.021525	-0.000621	0.00013	-0.028565	0.0123	0.014734	0.032161	-0.022881	-0.032934	-0.013244
122	0.004973	0.004498	-0.010534	0.010521	0.009337	-0.022714	-0.003897	-0.009543	-0.009606	0.018978	0.0158	-0.036781	-0.059	0.01475
123	-0.007766	0.009771	-0.018771	0.036161	0.033242	-0.022221	0.007168	-0.006353	0.023969	0.04818	0.008079	-0.007942	-0.012301	0.001766

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
124	0.021919	0.022685	0.01244	0.008247	0.009624	-0.018427	-0.013286	0.002837	-0.005276	0.003726	0.005523	0.015923	0.016127	0.006243
125	-0.025507	-0.014395	-0.007289	-0.00566	-0.008635	-0.006309	-0.017287	-0.0073	-0.020678	-0.019194	0.013538	-0.037472	0.011069	0.004613
126	-0.039481	-0.027457	-0.010268	-0.016863	-0.015992	0.018629	0.005175	-0.002224	-0.009834	0.006914	0.052842	-0.011253	-0.056407	0.024122
127	-0.015872	-0.058923	-0.040118	-0.021304	-0.025518	0.016815	-0.005194	-0.024985	-0.019864	-0.022801	0.034505	0.00117	-0.020645	0.005878
128	-0.003875	0.005615	0.01807	0.012738	0.010653	-0.001607	0.010647	-0.013008	0.015896	0.008445	-0.013028	-0.00344	-0.002219	-0.021445
129	0.016545	0.009533	-0.006528	-0.016504	-0.035781	-0.02786	-0.028556	-0.039014	-0.002418	0.011325	0.020559	-0.007735	-0.020754	0.013893
130	-0.01652	0.001461	-0.015107	0.002181	0.006964	-0.009257	-0.006097	-0.018814	0.032239	0.017741	0.00912	0.012681	-0.001158	-0.019804
131	0.001495	0.022664	0.00395	0.012049	0.006921	-0.009106	0.017291	0.005504	-0.003701	0.025299	0.031342	0.004424	-0.01988	0.01906
132	0.006549	0.014421	0.003769	0.027847	0.02579	-0.000292	0.016045	-0.008603	0.00217	0.037336	-0.008755	0.007061	0.008489	-0.028655
133	-0.028231	-0.018133	-0.010181	0.019285	-0.001255	0.002112	0.019067	0.007578	0.009222	0.012466	-0.01895	0.05144	0.020942	-0.053566
134	0.018003	-0.000437	0.024522	-0.027351	-0.018314	-0.00037	-0.019655	-0.006318	-0.043663	-0.057811	-0.014113	-0.017135	-0.014681	0.028817
135	0.000263	-0.008234	0.013682	0.000354	0.002977	0.004671	-0.003303	0.001161	0.000144	-0.006341	-0.002891	0.003357	0.00969	-0.00347
136	0.001925	0.007012	-0.005724	0.022794	0.019896	0.021565	0.031176	0.030276	0.022484	0.007551	-0.016589	0.051914	0.028276	0.032696
137	-0.007741	-0.017669	-0.006521	0.010057	0.003961	0.009413	0.010334	-0.043959	-0.019841	-0.039774	0.016939	-0.006057	-0.011077	-0.038499
138	-0.004699	-0.010027	0.044236	-0.002401	-0.00299	0.016631	0.033935	0.014152	-0.025576	-0.009672	0.01703	0.000527	-0.011001	0.005016
139	-0.028561	-0.019435	-0.038056	0.013722	0.029482	0.026246	0.006047	-0.003927	-0.003615	0.001524	0.039792	0.037497	-0.01692	0.014751
140	-0.011111	-0.003106	0.027974	0.034751	0.022639	0.012213	0.029235	-0.013092	0.050241	0.041356	0.043016	-0.011893	-0.023884	-0.00179
141	0.029124	-0.006725	0.0009	-0.000606	0.006135	-0.008544	0.000696	-0.025898	0.017291	-0.010032	-0.011013	-0.018426	0.004832	-0.005712
142	-0.005436	0.002499	0.00151	0.0115	0.012563	-0.029751	-0.037096	0.00282	0.013685	0.004025	-0.04661	0.011692	0.021516	0.004043
143	-0.002382	-0.005602	-0.00482	0.032876	0.030503	-0.020122	0.004931	-0.001967	-0.009738	0.021259	-0.007184	-0.004075	0.007195	-0.000547
144	0.044119	0.010876	0.014528	0.01035	0.011663	-0.003273	-0.003869	0.02386	0.008102	-0.002328	0.0007	0.011515	0.001412	0.030466
145	0.006636	-0.0058	0.023637	0.016237	-0.004409	-0.001435	-0.004503	-0.01218	-0.027417	0.01959	-0.016417	0.04152	0.007654	-0.021644
146	-0.010748	-0.005517	0.005562	0.016388	0.018645	0.004816	-0.000922	0.004181	0.010949	0.004242	0.010299	0.000649	-0.003254	-0.0071
147	-0.028942	-0.014099	0.005445	0.017544	0.022883	0.018975	-0.026457	0.020496	0.016302	0.000705	-0.014333	0.018116	-0.024781	-0.007483
148	0.009903	0.007893	0.023043	0.001095	0.018269	0.021292	0.007893	0.009477	0.02048	0.017655	0.02329	-0.005889	-0.055663	0.049503
149	-0.003306	0.000469	-0.007638	-0.01192	-0.014639	0.00197	0.009904	-0.022706	0.012032	-0.004835	-0.024167	-0.008277	0.017494	-0.000343
150	-0.027311	-0.004105	0.009504	0.010491	0.004876	-0.006686	-0.027471	-0.002415	-0.007384	0.006559	0.031475	0.021649	0.015615	-0.005521
151	0.020202	0.001373	0.007479	0.028773	0.052702	0.007673	0.004623	0.028862	0.054197	0.001074	-0.016682	0.019528	0.005751	0.041258
152	-0.012494	-0.035083	-0.028369	-0.010731	-0.010014	0.005428	-0.006975	-0.018438	0.014809	-0.001187	0.002508	-0.001556	0.011625	0.012243
153	-0.012577	0.005499	-0.025452	0.038964	0.050261	-0.003998	-0.011389	0.013692	0.023751	-0.003934	-0.0097	0.001743	-0.011799	0.005109
154	-0.021665	-0.00496	-0.002113	0.01513	0.01192	-0.010145	0.003483	0.029515	0.019661	0.015728	-0.00676	0.007097	0.016566	0.045407
155	-0.031914	-0.020385	-0.017248	0.018222	0.002189	0.02076	0.031666	0.01001	-0.004499	0.021461	0.03324	-0.007507	-0.008719	0.006533
156	-0.021829	-0.022524	-0.003482	0.002762	0.000373	0.00073	0.025124	0.016491	0.010034	0.016731	-0.009205	-0.000485	0.028659	0.032086
157	-0.003156	-0.005788	-0.000317	0.006602	0.00433	0.003026	0.016374	0.003836	0.011313	0.010807	0.019103	-0.009097	0.002302	0.024879
158	-0.007956	-0.031896	-0.013359	-0.017759	-0.015226	-0.003911	-0.038662	0.008044	0.074845	0.004611	-0.058216	-0.028235	-0.010002	-0.035622
159	-0.000223	-0.004057	0.044082	-0.007348	-0.014137	-0.020025	-0.030213	-0.038707	-0.020375	-0.00607	-0.019024	0.008606	0.008345	-0.032662
160	-0.035432	-0.021285	0.004787	0.023717	0.019213	-0.010547	0.024641	-0.042339	0.021744	-0.010509	0.02298	-0.052388	-0.029087	0.030714
161	0.021924	0.009128	0.009165	0.025896	0.03643	-0.003073	0.001813	0.001457	0.032785	0.014174	-0.024126	-0.004706	-0.044061	-0.04178
162	0.005786	-0.012851	0.005888	0.029194	0.025416	-0.000998	0.016732	-0.034464	-0.028989	-0.015396	0.026345	0.002164	0.024617	-0.01033
163	-0.001359	-0.040698	-0.015012	-0.010236	-0.010605	-0.005247	-0.010298	-0.031447	-0.008305	-0.018782	0.008453	-0.020072	0.012294	0.013532
164	0.024142	-0.011324	-0.009724	-0.000302	-0.001271	0.03328	0.029359	0.004857	0.052311	-0.011878	0.019733	0.029183	0.045273	0.016384

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
165	-0.0474	0.009029	-0.000913	0.003542	-0.005576	0.041486	0.066797	0.056187	0.025608	0.002479	0.025836	-0.016628	-0.025564	0.03382
166	0.022401	0.028347	0.015208	-0.01343	-0.008566	-0.0134	0.024108	0.02036	0.02503	0.022087	-0.040547	-0.009148	0.040866	0.037164
167	0.006096	-0.0028	0.011635	-0.034119	-0.042647	0.026769	-0.012369	0.007586	-0.012797	-0.013501	0.012229	0.012505	0.015726	-0.004433
168	0.004345	-0.001916	-0.014171	-0.013832	-0.009572	0.005089	-0.020016	-0.023541	0.008301	-0.05464	0.017256	0.007143	-0.002486	-0.014905
169	0.00662	0.009764	-0.006453	-0.003306	-0.007559	-0.001194	-0.01855	0.003047	-0.007764	-0.003598	-0.003894	0.004538	0.006734	-0.013613
170	0.017577	0.016538	-0.000561	0.011236	0.008232	-0.000616	0.002366	-0.002559	-0.013712	0.00593	0.004305	0.014172	0.007073	-0.016243
171	-0.002519	0.009217	-0.008643	-0.014646	-0.013313	-0.002099	-0.012906	-0.004287	0.02975	0.018094	0.007133	-0.000581	-0.002732	-0.021004
172	-0.019778	0.006392	-0.004693	-0.004406	-0.009049	-0.002399	0.001307	0.000566	-0.013026	-0.008697	-0.026513	-0.011189	-0.001301	-0.001637
173	-0.06503	-0.026203	-0.043264	0.001633	-0.005062	0.005086	0.006198	0.00514	-0.006734	-0.017567	-0.000837	0.003225	0.001319	0.003706
174	-0.018461	-0.012486	-0.022064	-0.019219	-0.019517	0.00858	-0.007552	-0.002913	0.001854	-0.015237	0.015748	-0.01447	-0.007864	-0.001607
175	0.00918	0.004406	-0.032816	-0.000964	0.004444	-0.001758	-0.011277	-0.025015	0.034527	0.005581	0.011912	-0.037555	-0.027235	-0.015831
176	0.004334	0.018443	-0.009191	-0.006095	0.003561	0.00616	0.016482	0.024542	0.024173	0.022827	-0.022455	0.004686	0.024221	-0.001685
177	0.015294	0.021699	0.03506	-0.043263	-0.041199	0.027291	-0.045473	0.060804	0.011314	-0.029846	0.026476	0.030143	-0.031434	0.012518
178	0.002934	-0.009974	-0.008339	-0.00303	-0.000942	0.015197	-0.024021	0.007596	0.007868	-0.015038	0.033838	0.029308	-0.019188	-0.019819
179	0.00436	-0.002701	0.007672	-0.00221	-0.001485	0.008206	-0.014435	0.014785	0.002309	-0.006637	0.013112	0.010864	-0.004725	0.008389
180	-0.004445	0.004188	0.003056	0.00053	0.002346	0.015932	-0.00924	0.013443	-0.006622	-0.02022	0.007165	0.01937	0.002454	0.002723
181	-0.000731	0.001402	-0.001807	0.005963	0.006258	0.011482	0.001107	0.014558	-0.010136	-0.011292	0.004839	0.012642	-0.003453	-0.00113
182	0.005484	0.007969	0.008638	0.015412	0.017587	0.00909	0.007248	0.012534	0.020968	0.005759	-0.003956	0.026532	0.004418	0.002331
183	0.00007	-0.005424	0.010779	0.002829	0.005376	-0.003289	0.00727	0.006855	0.034729	0.029375	0.018751	-0.000601	-0.003054	0.019879
184	-0.002573	-0.009751	0.019761	0.005091	0.014238	-0.015979	0.031312	-0.032143	0.005265	0.052894	0.0137	-0.031659	0.021073	0.030663
185	-0.004044	0.028864	0.011695	0.000813	0.000356	-0.019687	-0.022672	0.010822	-0.004508	-0.010904	-0.039709	-0.027535	-0.012637	-0.004254
186	-0.011842	0.044232	0.000754	0.012975	0.02425	-0.000093	0.048445	-0.020475	-0.018939	0.026645	0.023622	-0.026309	-0.036404	0.010976
187	-0.014683	0.002039	0.005056	0.015312	0.016317	0.006096	0.00449	0.00208	-0.028121	-0.00411	-0.001651	0.011849	0.007907	0.027356
188	0.002075	0.006091	0.013091	0.015014	0.017909	0.014665	0.013269	0.002749	-0.01496	-0.004688	0.00753	0.006438	0.007048	0.025141
189	0.026507	0.009597	0.012952	0.027402	0.035351	-0.001446	0.011672	-0.012304	-0.003173	0.017817	0.018842	-0.01389	0.004964	0.03466
190	0.017011	0.007443	0.007853	-0.003794	0.003051	0.009577	0.018801	-0.021616	0.009382	0.011312	-0.006983	-0.003148	0.038493	0.014521
191	0.012072	0.008647	0.008686	-0.000271	0.000262	0.005434	0.01651	-0.007155	-0.002197	0.006873	-0.005552	-0.009355	0.011481	0.030405
192	0.005812	-0.05642	-0.004501	-0.00486	-0.006446	-0.012841	-0.01133	-0.03475	0.006639	-0.002748	0.027945	-0.00442	-0.007589	0.01088
193	0.007578	-0.019723	-0.030523	0.012249	0.021448	-0.007045	0.010791	-0.021078	0.00058	0.001683	-0.016976	-0.010296	0.006661	0.023352
194	-0.002638	-0.005534	-0.025392	-0.000023	-0.001275	0.006249	-0.010322	-0.000629	0.009432	0.00195	-0.005047	-0.000571	0.023623	0.034953
195	-0.008067	0.003576	0.006568	-0.009742	-0.019037	-0.024158	0.011687	0.004285	-0.025667	0.016536	-0.015547	-0.028661	0.006512	0.031302
196	0.019283	0.006931	0.011861	-0.009238	-0.004416	-0.00802	0.006571	-0.020203	-0.000658	0.012625	-0.002675	-0.0276	0.008692	0.011253
197	0.01897	0.014064	0.02226	-0.003103	0.001204	-0.000034	0.012586	-0.024927	0.025993	0.011205	-0.020283	-0.018441	0.037701	-0.004524
198	-0.001856	0.021874	0.034141	-0.022326	-0.027515	-0.0227	-0.01056	-0.000347	-0.02131	0.012788	0.016505	-0.040198	-0.027751	0.020678
199	0.044204	0.008492	-0.001115	-0.037352	-0.042023	0.009342	-0.014791	-0.016017	-0.007529	-0.030955	-0.018404	-0.010263	0.011194	0.018261
200	0.008658	-0.003306	0.016424	-0.014337	-0.01341	-0.002129	0.001168	-0.000887	-0.003456	-0.012172	0.029795	-0.02115	-0.031922	-0.020088
201	-0.009652	0.009633	0.007936	-0.02131	-0.019611	0.017908	-0.014886	0.049002	-0.007591	-0.010535	0.014353	0.042265	-0.007783	0.027769
202	-0.010969	0.010676	0.016276	-0.047469	-0.050486	-0.007169	-0.005876	-0.004045	-0.007866	-0.00557	0.011114	-0.018397	-0.005811	0.022425
203	0.00674	-0.019327	0.002568	0.011673	-0.004267	0.006096	0.0065	-0.036185	-0.01947	0.011036	0.008837	0.004125	0.015281	0.011644
204	-0.015777	0.012121	-0.003953	-0.053997	-0.043038	0.00428	0.009663	0.00046	-0.034906	0.010114	0.001595	-0.027114	-0.003684	0.054599
205	-0.026989	-0.068467	-0.022282	0.01152	0.018765	0.032609	0.039545	-0.020444	-0.015054	-0.041058	0.005348	-0.032107	0.005918	0.006534

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
206	0.003721	-0.000374	-0.003336	-0.022321	-0.011071	0.015146	-0.049854	-0.015971	0.00366	0.011966	-0.012611	0.018991	0.015148	-0.025421
207	0.010159	0.007763	-0.023832	0.009354	0.027524	0.041696	0.066417	-0.0327	-0.040763	-0.060142	0.052394	-0.027707	-0.018472	-0.011563
208	-0.001906	-0.015992	-0.003525	-0.013547	-0.026053	-0.006291	0.017043	-0.036543	-0.019085	0.037314	0.020675	-0.019184	0.019819	0.009802
209	-0.012461	-0.045233	0.002763	-0.007378	-0.001839	-0.008714	0.008111	-0.008638	0.057058	0.025407	-0.049058	0.001659	0.036406	-0.020426
210	-0.022368	-0.011338	-0.016273	0.003761	0.001468	0.014498	0.007523	0.056648	0.069314	0.006753	-0.009377	0.011139	-0.001716	0.022416
211	-0.044262	-0.014569	-0.006298	-0.029464	-0.0262	0.027582	0.02268	0.025189	0.015934	-0.01528	-0.007048	0.010986	0.010197	0.032002
212	-0.006273	-0.004671	0.009414	0.006974	0.002575	-0.018683	0.039136	-0.007902	0.013097	0.016616	-0.005373	-0.050585	0.015649	-0.002641
213	0.019633	0.021577	-0.012389	0.019822	0.006765	0.020437	0.017948	0.002669	-0.037121	0.014132	0.004971	0.048866	-0.018632	-0.001671
214	-0.003272	0.0004	0.007256	0.006086	0.006813	0.001438	0.008235	0.001475	-0.000716	0.000661	0.025777	0.009892	0.007079	0.016402
215	0.00253	0.001434	-0.009315	-0.028765	-0.018355	-0.008083	-0.039917	0.011404	0.006947	-0.017381	0.007654	-0.034472	-0.043779	-0.000516
216	0.005856	0.015708	-0.008999	-0.050406	-0.049509	0.018845	-0.042162	-0.00698	0.021865	-0.055551	-0.00306	-0.002134	-0.005877	-0.038809
217	-0.000006	-0.003056	0.004762	-0.012251	-0.017706	0.007314	-0.001477	-0.009732	-0.006317	0.027627	0.022763	0.011141	0.014175	0.019434
218	-0.021023	-0.013085	-0.023066	0.020295	0.018715	-0.002524	0.032883	-0.001705	-0.011144	0.017205	0.018118	-0.00881	-0.024966	-0.003118
219	-0.022427	-0.015763	-0.024914	0.008416	-0.001324	-0.00301	0.009456	-0.007054	0.020325	0.004667	0.009814	0.012243	0.000341	-0.038209
220	-0.015662	-0.002614	-0.012232	-0.00699	-0.015355	0.000482	0.010248	-0.006308	-0.003452	0.023821	0.033881	-0.01838	0.007994	0.007807
221	0.898064	-0.039094	-0.036886	0.010467	0.000357	0.001977	0.011786	0.007739	0.001565	0.011001	0.016847	0.006059	0.011918	-0.000515
222	-0.040075	0.904388	-0.058492	-0.003987	-0.012906	0.000519	0.009517	-0.037551	-0.006097	-0.016582	0.026704	-0.013383	-0.0005	0.001461
223	-0.042513	-0.056378	0.909156	0.004401	-0.004617	0.002568	0.014928	-0.019626	0.005424	-0.00807	-0.002888	-0.00395	0.002551	-0.006542
224	0.013776	0.012741	0.012433	0.845157	-0.15536	0.001805	-0.096738	-0.01203	0.011931	-0.046462	-0.014642	-0.039464	-0.000509	0.012791
225	0.000292	0.008093	0.007936	-0.152918	0.829681	-0.000578	-0.094394	-0.013822	0.003305	-0.048048	-0.01782	-0.03524	-0.004577	0.001902
226	0.010268	0.002733	0.00441	0.008052	0.005914	0.924318	-0.045345	-0.021264	-0.006616	0.02274	-0.025749	-0.024773	-0.00638	-0.007908
227	0.025073	0.01879	0.017737	-0.081405	-0.076199	-0.054827	0.812888	0.001797	0.041207	-0.030035	-0.047522	-0.002479	-0.01343	-0.030249
228	0.023606	-0.028004	-0.012352	-0.013184	-0.016974	-0.024441	0.009538	0.861081	-0.03853	-0.001032	-0.001057	-0.068171	-0.020726	-0.060854
229	0.004781	0.007242	0.012596	0.009969	-0.001139	-0.016943	0.030554	-0.04143	0.78244	-0.069055	0.017443	-0.011047	-0.014742	-0.001866
230	0.014782	0.013476	0.00462	-0.039011	-0.036997	0.017401	-0.044148	0.007072	-0.056424	0.855815	-0.023384	0.00275	-0.00228	-0.015856
231	0.000782	0.019545	-0.007586	0.003735	0.002578	-0.030441	-0.047745	0.003309	0.047481	-0.009132	0.838293	0.015089	0.035506	-0.054481
232	0.02336	-0.003068	0.009434	-0.041771	-0.036858	-0.027449	0.000902	-0.062447	-0.013012	-0.006304	-0.001991	0.859865	-0.057115	-0.002957
233	0.01499	0.000377	0.010375	0.008403	0.008373	0.008764	0.008913	-0.003092	-0.032835	-0.008887	0.042282	-0.05663	0.854633	-0.029675
234	0.0238	0.010136	0.005821	0.029437	0.022342	-0.011894	-0.024371	-0.058873	0.0269	-0.003185	-0.04934	-0.008778	-0.040515	0.825101
235	0.012359	-0.013145	-0.00295	0.00444	0.000578	-0.004023	-0.019911	-0.053305	0.019554	0.000155	-0.067113	-0.016941	-0.043055	-0.126607
236	0.027343	0.019312	0.002824	-0.020995	-0.008196	0.018683	0.011462	0.013655	0.034246	-0.014114	-0.031447	-0.034481	0.013054	-0.001821
237	0.027874	0.02249	0.029518	0.006199	0.006125	0.022888	0.027612	0.014438	0.011222	0.012063	0.003543	0.0118	0.008818	0.009201
238	0.005529	0.003443	0.005883	0.005035	-0.001797	0.026758	0.02691	0.005826	0.019723	-0.024442	-0.021887	0.021124	0.016651	-0.018967
239	0.001985	-0.013508	-0.016353	0.003081	-0.002231	0.015587	0.019968	-0.004087	0.029072	-0.015964	-0.034873	0.014013	0.002052	-0.024182
240	-0.004036	-0.0008	-0.000229	0.012394	0.017831	0.003204	-0.003696	-0.004716	0.00632	0.035329	0.014465	-0.02029	-0.031462	0.00554
241	0.020106	0.01388	0.016781	0.001346	0.005978	0.018561	0.018516	0.000631	-0.010675	0.014964	0.044748	-0.033727	-0.090816	-0.023562
242	0.005373	-0.010772	-0.010966	-0.008278	0.000539	0.018953	0.006916	-0.024896	0.008729	-0.001088	-0.021144	-0.031396	-0.045673	-0.05405
243	-0.006269	-0.031333	-0.017656	-0.025893	-0.021255	0.011361	-0.005273	-0.068712	-0.007032	0.007823	0.001527	-0.04031	-0.044944	-0.054043
244	-0.050601	0.007022	-0.000227	0.007581	0.006607	0.01417	-0.010134	0.022263	-0.000336	-0.000261	-0.014499	0.019424	0.011628	0.003463
245	-0.000189	0.006124	0.007112	0.001778	0.001791	0.039677	0.014707	0.036199	-0.014246	-0.01457	0.011448	0.014737	-0.004082	0.012632
246	0.017088	-0.005821	-0.003735	0.006702	0.005846	0.02492	0.020375	0.021415	0.020311	-0.000375	0.033766	0.001622	-0.024352	-0.000885

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
247	-0.001244	-0.010303	-0.012226	-0.016868	-0.020255	0.025199	0.009359	0.011543	0.029872	-0.017018	0.016959	-0.004193	-0.00045	-0.001508
248	-0.006386	-0.014613	-0.007165	-0.018971	-0.023844	0.008312	0.004872	-0.007855	0.024224	-0.012809	0.007189	-0.038332	0.003792	-0.003982
249	0.018155	-0.048088	-0.021374	-0.001695	0.00166	0.008095	0.017695	-0.033463	-0.00213	0.005216	0.023253	-0.04844	-0.035339	0.009778
250	0.002581	0.01166	-0.013784	0.0163	0.020784	0.000871	-0.015581	0.003855	0.023099	0.023748	-0.008475	0.00008	-0.013927	-0.024884
251	-0.017928	0.001693	-0.006489	0.008969	0.005067	0.003148	-0.00923	-0.003005	0.018741	0.02728	-0.000001	-0.000206	-0.018088	-0.03753
252	0.009633	0.009995	0.012181	-0.001481	-0.004569	-0.000247	-0.013936	-0.008285	-0.009648	0.013082	-0.039952	-0.02035	-0.023432	-0.045482
253	0.022717	0.005237	0.003862	-0.02793	-0.029803	-0.013541	0.002911	-0.056393	-0.048148	-0.004031	0.00103	-0.059371	-0.023991	-0.026089
254	-0.017878	-0.014326	-0.053576	-0.001318	-0.001455	0.018612	0.007536	-0.010906	-0.000829	0.003655	-0.009409	0.011635	0.006092	-0.004813
255	-0.039746	0.009656	-0.007019	0.015655	0.015806	0.017861	-0.006669	0.016152	0.008506	0.006929	-0.000451	0.021493	0.011963	-0.010306
256	-0.017586	0.020272	0.027119	0.006217	0.007788	0.023188	0.031049	0.012994	-0.050039	-0.003104	0.03572	-0.005557	0.014213	0.015149
257	0.007998	0.001977	0.01098	-0.000825	-0.002145	-0.022516	-0.034599	0.013013	0.015389	-0.005045	0.001906	-0.002315	0.00602	0.00154
258	0.014213	-0.00616	-0.002097	-0.055772	-0.054623	-0.000738	-0.036611	0.00592	0.040197	0.005408	0.011662	-0.006616	0.014051	0.02361
259	0.000114	-0.054228	-0.042514	-0.001866	-0.005013	0.014522	0.005746	-0.042676	-0.001031	-0.000132	0.006186	-0.005294	-0.012965	-0.023138
260	0.008776	-0.016179	-0.026544	0.004911	-0.010117	0.000819	-0.002287	-0.033297	-0.020151	0.010076	-0.027346	0.0055	0.009475	-0.034498
261	0.008013	-0.00346	-0.004653	0.0079	-0.001135	-0.005443	-0.004398	-0.030134	0.003944	0.028808	-0.036902	0.007983	0.02514	-0.040363
262	0.018791	0.001131	0.007548	-0.015786	-0.011944	0.000224	-0.000202	-0.012756	0.008416	-0.007278	-0.03406	-0.024277	0.014218	-0.011658
263	0.019248	-0.002627	0.007712	-0.010285	-0.007116	0.003591	-0.001981	-0.021804	0.010568	-0.009454	-0.027474	-0.024285	0.005147	-0.024377
264	0.003023	-0.052739	-0.030756	-0.013602	-0.009512	0.014419	0.004399	-0.037591	-0.000732	-0.001501	0.019025	0.002719	0.013318	0.011056
265	0.017271	-0.022529	-0.038844	-0.029324	-0.032219	0.005099	0.007141	-0.034259	0.005595	0.018721	-0.010173	0.006975	0.033768	0.022101
266	-0.006343	0.010779	-0.014081	-0.017081	-0.025843	0.003798	0.011402	-0.01391	0.002747	0.022791	-0.020565	0.013848	0.045492	0.00201
267	0.020568	0.027762	0.013892	-0.010967	-0.011184	-0.054275	-0.020047	-0.047539	-0.098338	0.008846	-0.011473	-0.032162	-0.00372	0.002088
268	0.011428	0.006728	0.011026	0.000307	0.000687	-0.063085	-0.042235	-0.019706	-0.003139	0.021739	-0.027075	-0.022774	-0.011957	-0.010368
269	0.000206	0.012364	0.01335	-0.001805	-0.002684	-0.05871	-0.042196	-0.009606	-0.010339	0.015452	-0.022663	-0.022825	-0.007585	-0.004938
270	0.016749	0.014277	0.015036	-0.00429	0.000477	-0.061833	-0.082392	-0.011494	0.019799	0.013769	-0.02269	-0.010474	0.00367	-0.006011
271	0.010058	0.014685	0.012868	0.006357	0.007437	-0.017727	0.037564	-0.020893	-0.092707	0.003691	0.023982	0.004562	0.005608	0.017812
272	0.004226	0.002883	0.00719	0.032549	0.023659	-0.028379	0.04832	-0.041053	-0.168363	-0.024813	-0.000385	-0.002421	0.010237	0.006985
273	0.004987	0.000732	0.007187	0.010186	0.011987	-0.020326	0.000388	0.001009	-0.066404	-0.045505	-0.007981	-0.003784	0.001998	0.027265
274	0.005199	0.004993	0.009948	0.00946	0.011417	-0.018663	-0.002026	0.002837	-0.068277	-0.046503	-0.00533	0.001796	0.002432	0.026221
275	0.020661	0.014022	0.012809	-0.02615	-0.009746	0.004707	-0.0827	0.010576	-0.017114	-0.10182	-0.001358	0.013211	0.019277	0.015775
276	0.03144	0.0171	0.006269	-0.012177	-0.000505	0.01308	0.026794	-0.007699	-0.024374	-0.013534	-0.025994	-0.032252	0.012702	-0.011382
277	0.019928	0.000802	0.0056	0.001645	0.00605	0.015994	0.026848	-0.000636	0.013932	0.016599	-0.010017	0.003512	-0.004271	0.012319
278	0.017736	0.003455	0.000573	-0.003152	0.002129	0.016923	0.027072	-0.004404	0.008904	0.005678	-0.013606	-0.002265	-0.004128	0.014031
279	0.003532	-0.01069	-0.011878	0.010549	0.011866	0.01143	0.027272	-0.023959	0.023797	-0.002993	-0.016166	0.006485	0.014927	-0.024456
280	0.019767	-0.017139	0.001086	-0.04502	-0.033923	0.003616	-0.00927	-0.07792	-0.033786	-0.003103	0.022613	-0.058296	-0.060181	-0.036018
281	0.018316	-0.012125	-0.014143	-0.002128	-0.001063	0.012222	0.032289	0.003019	0.004737	0.009837	0.039282	-0.00085	-0.019564	0.02692
282	0.009284	-0.014321	-0.016006	-0.023593	-0.016655	0.017556	0.013079	0.010057	0.017153	-0.003609	0.042011	-0.001837	-0.026824	0.022775
283	-0.008227	-0.009073	-0.018265	0.000948	0.005019	0.011897	0.023242	-0.013063	0.024387	0.000815	0.023892	-0.006371	0.011341	-0.008616
284	0.005561	0.004489	0.011851	0.004914	0.008597	-0.021693	-0.015043	-0.002329	0.001039	0.002735	0.008221	-0.002161	0.011815	0.005542
285	0.004523	0.004185	0.009516	0.002504	0.00752	-0.020634	-0.022743	0.002386	0.011766	-0.002643	0.009952	-0.000569	0.003955	-0.001754
286	0.007491	0.002367	0.005245	-0.038083	-0.034713	-0.004676	-0.037343	0.010129	0.012624	0.008908	0.032462	0.019152	-0.003062	0.024438
287	0.003586	0.000743	0.005106	-0.030436	-0.024151	-0.005628	-0.038546	0.005061	0.015174	0.006757	0.03573	0.01376	-0.00515	0.021947

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
288	0.016556	0.002213	0.009603	-0.049242	-0.039085	-0.000377	-0.023051	-0.014331	0.038313	0.013441	0.027233	-0.010444	0.036882	0.020927
289	0.023656	0.012696	0.014698	-0.027271	-0.021069	-0.005263	-0.012695	-0.005143	0.014302	0.000685	-0.008835	-0.01926	0.022054	0.00766
290	0.010362	0.016627	0.025806	-0.004669	0.002649	0.010626	0.00467	0.008697	0.020534	0.013037	0.011967	0.009244	0.030188	0.015454
291	0.00989	0.016112	0.025066	-0.005774	0.002265	0.010412	0.002517	0.00844	0.022297	0.015396	0.012548	0.010295	0.03094	0.015635
292	0.006192	0.011032	0.020924	0.002111	0.010997	0.010875	0.004599	0.003527	0.016697	0.010206	0.01264	0.009533	0.025216	0.00693
293	-0.02526	-0.003745	-0.019399	0.005672	0.014172	-0.001055	-0.009304	0.010944	0.029424	0.00139	-0.025495	0.006776	0.005465	-0.011981
294	-0.008208	-0.0162	-0.006443	0.012308	0.017484	-0.014547	-0.01038	-0.011383	0.002656	-0.003919	-0.015134	0.005762	0.008106	-0.001101
295	-0.011418	-0.003092	-0.001597	0.028293	0.031967	0.008547	0.027906	0.005979	-0.032262	-0.030682	-0.010737	0.01843	0.012386	0.012244
296	-0.009095	-0.020794	-0.011428	0.028649	0.020497	-0.00661	-0.000232	-0.026682	-0.047191	-0.036921	0.008143	0.001267	0.006524	0.017158
297	-0.016037	-0.003692	-0.008421	0.02321	0.021162	0.012416	0.040339	0.005563	-0.040977	-0.027375	-0.018866	0.022545	0.020075	0.011916
298	-0.000936	0.005707	-0.016011	0.031651	0.027665	0.011767	0.041169	-0.005659	0.009425	0.007577	0.022984	-0.004035	0.016869	-0.009491
299	-0.011503	-0.00922	-0.017605	0.005292	-0.002325	-0.00438	0.031236	-0.004729	-0.000475	0.0088	-0.02621	0.004167	0.023393	0.014704
300	0.035037	0.030511	0.01321	0.02049	0.033562	0.013235	0.022166	-0.03078	-0.014898	-0.014878	0.014263	0.003981	0.005313	-0.020574
301	-0.010921	-0.014022	-0.006384	0.016462	0.013179	-0.003863	0.020187	-0.008937	0.011984	-0.005891	-0.015247	-0.002894	0.020936	-0.014889
302	0.005606	-0.023371	-0.005112	0.004157	0.003756	-0.007141	-0.007479	-0.011636	0.015793	-0.00477	0.011217	0.008376	0.012724	0.007509
303	-0.01117	-0.024583	-0.020349	-0.011245	-0.022598	-0.005829	0.011627	-0.025397	-0.01455	0.020782	0.001149	-0.004943	0.007839	0.013072
304	0.006465	-0.020755	-0.013161	-0.013658	-0.024037	-0.013613	-0.002941	-0.035302	0.008356	0.021785	0.006369	-0.006995	0.015331	0.003686
305	-0.011024	0.018565	0.004457	0.00514	0.006383	-0.014224	-0.003278	-0.018624	0.005275	-0.00327	-0.003893	0.011297	0.001822	-0.019709
306	-0.014202	-0.015412	-0.020183	-0.021325	-0.018544	0.013954	-0.023394	0.013945	0.019491	-0.001225	-0.011267	0.012626	0.026051	0.023827
307	0.016037	0.013405	0.000099	-0.014835	-0.005388	0.01733	-0.005494	-0.020877	-0.025203	-0.025019	-0.024544	-0.007447	-0.016918	0.011637
308	-0.002076	-0.00223	0.003872	0.022495	-0.00532	0.012308	0.016115	-0.005224	-0.034586	-0.022934	0.032084	-0.013992	-0.050685	-0.026503
309	-0.00186	0.003392	-0.005405	0.014598	0.015553	-0.007722	-0.013772	-0.005094	0.024798	-0.001775	-0.021578	0.015678	0.00861	-0.003107
310	0.011694	0.0176	0.00022	-0.000082	0.003192	0.006032	-0.029431	0.020835	0.025592	-0.008299	-0.016456	0.03039	0.000016	0.023711
311	-0.000332	0.002123	0.004328	0.005529	0.004546	-0.009435	-0.015311	-0.003653	-0.015129	-0.014217	-0.001814	0.005921	-0.009929	-0.010518
312	-0.005823	-0.008499	-0.012846	0.003526	-0.004141	-0.023873	-0.006508	-0.004411	-0.04432	-0.023307	-0.024331	-0.029202	-0.019186	0.000078
313	-0.004899	-0.002211	0.004605	0.002785	-0.008225	-0.003992	-0.015414	0.00863	-0.019834	-0.006066	0.010227	0.023315	0.006618	-0.02001
314	0.013749	0.031032	-0.007107	0.01322	0.023239	0.033782	0.042807	-0.005853	-0.012149	0.006513	-0.010183	0.021816	0.016783	-0.003783
315	-0.005638	0.007918	-0.006756	-0.000621	-0.003895	-0.005103	-0.008779	0.000279	0.0038	0.008081	-0.010786	0.017508	0.002606	0.002096
316	-0.018033	0.017419	0.032772	-0.036987	-0.040951	0.023263	-0.024948	-0.024687	0.015878	0.002466	0.041439	-0.026185	0.002122	-0.016471
317	0.000305	0.00099	-0.014644	0.028966	0.031009	-0.006515	-0.000633	-0.004885	0.009297	-0.004879	-0.025826	0.01388	0.013434	-0.011566
318	-0.005945	-0.009711	-0.01564	0.014029	0.009213	-0.005976	-0.005347	0.003049	0.005696	-0.004095	-0.008475	0.013903	-0.004501	-0.010078
319	-0.014316	0.002964	-0.015399	-0.006269	-0.011337	-0.005225	-0.007009	0.003257	0.006711	0.001633	-0.016978	0.009424	-0.000646	-0.000205
320	-0.003006	-0.017739	-0.012141	-0.009128	-0.018117	-0.008052	-0.020848	0.004232	0.022731	0.001878	0.016274	-0.001194	-0.031149	-0.011908
321	0.015651	-0.004592	0.018957	0.001937	0.006018	0.005314	0.011079	-0.017179	-0.006382	0.008736	0.003403	0.004196	0.009323	0.005369
322	0.057048	0.033286	0.018814	-0.005712	-0.001494	0.015819	-0.01627	-0.029878	0.045904	-0.011487	-0.049327	-0.019133	-0.014159	-0.022886
323	0.025944	0.025581	0.018716	-0.024209	-0.022433	-0.007658	-0.01737	0.004777	0.022263	0.004613	-0.02815	-0.018833	0.000908	-0.019905
324	0.00127	-0.015778	-0.017214	-0.006013	-0.003425	-0.007167	-0.007227	-0.031897	0.044273	0.025927	0.048731	-0.001	0.024671	0.027322
325	-0.008247	-0.015411	-0.005813	0.023854	0.023933	-0.011919	-0.00119	-0.023688	-0.01965	-0.003682	-0.001484	0.005605	0.013735	0.00374
326	0.000177	-0.024667	0.005407	0.008404	0.01336	-0.010459	-0.00195	-0.000285	-0.020002	-0.006012	0.026065	-0.007816	0.002268	0.059851
327	0.003635	-0.012032	-0.000605	0.004006	0.002693	-0.007575	-0.000913	-0.023018	-0.014893	-0.007282	0.009614	-0.003683	-0.006598	-0.002931
328	-0.003045	0.005773	0.012904	0.010434	0.006858	0.002867	0.032785	-0.031996	0.027433	0.00342	0.028169	-0.033095	0.008091	0.011975

	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA
329	-0.011445	-0.020792	0.004404	0.006267	-0.001365	-0.006562	0.012158	-0.002402	-0.013453	-0.000039	0.003862	-0.009083	-0.007154	0.008576
330	0.039326	0.012391	0.021247	-0.005855	0.003557	0.004237	-0.019537	0.023579	0.006016	-0.006068	0.003032	0.000942	-0.013581	0.015867
331	-0.003572	-0.011352	0.002702	-0.004924	-0.000666	-0.009085	-0.007839	-0.018849	0.002624	0.014927	0.007254	-0.007276	-0.001206	0.005969
332	0.006789	0.011125	0.02945	-0.015505	-0.016666	0.005276	-0.004274	0.020364	0.020063	-0.019227	0.028869	0.005262	-0.010706	0.018014
333	-0.000646	-0.008596	0.006342	0.00453	0.008349	-0.009378	-0.016222	-0.01264	0.003147	-0.007119	-0.004688	-0.007808	0.006767	-0.00381
334	-0.042273	-0.0325	-0.008108	0.025713	0.019255	0.005861	0.010671	0.030497	-0.052361	-0.027519	0.006344	0.030147	-0.006324	-0.001307
335	0.000877	-0.00212	0.004416	-0.002796	-0.000117	-0.013643	-0.009226	-0.006876	-0.005689	-0.00249	0.002005	-0.016334	-0.011811	-0.001638
336	0.026565	0.020826	0.015802	-0.008439	0.000113	0.007749	-0.00107	-0.027674	0.010878	-0.020855	0.00525	-0.009024	0.0072	0.001608
337	-0.008283	0.001226	0.003546	0.006084	-0.004289	-0.004212	0.016677	-0.008939	-0.02382	0.00924	0.000717	0.004752	0.030025	0.008215
338	-0.023333	0.005251	-0.008543	0.000488	-0.009637	0.001554	-0.001726	0.026046	-0.002191	-0.028294	0.007674	-0.020217	-0.035808	0.008952
339	0.012567	-0.003902	0.009152	-0.013381	-0.011538	-0.008108	0.007497	-0.025712	0.003414	0.017099	-0.011779	-0.008125	0.01644	-0.011106
340	-0.044445	-0.012874	-0.011554	0.013865	-0.007508	0.00833	0.010498	0.025746	-0.007105	-0.013154	0.010674	0.025355	-0.019636	0.035234

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
1	-0.08892	-0.049684	-0.038804	-0.035143	-0.035883	-0.03506	-0.064742	-0.04032	-0.016016	0.042984	-0.01003	0.001857	0.029294	0.016587
2	-0.004053	0.076832	0.059094	0.022383	-0.004043	0.035509	0.085848	0.053253	0.013254	0.032563	0.022073	0.016415	0.020317	0.030891
3	-0.056244	0.026785	0.059301	0.019637	0.020606	-0.001982	0.025831	0.00381	-0.027484	0.023976	0.101492	0.07529	0.030871	0.01682
4	-0.010483	-0.008633	-0.017486	-0.051843	-0.058346	-0.003634	0.020641	0.030662	0.067813	0.019494	0.083263	-0.01073	-0.031238	-0.007962
5	0.057908	0.029255	-0.017421	0.089464	0.086302	0.023306	0.021546	0.016603	0.103456	0.049446	0.058698	-0.028032	0.086	0.129787
6	0.113982	0.085534	0.002827	-0.028858	-0.015383	-0.041787	0.008264	0.084857	0.045033	-0.030429	0.00665	0.011928	0.055381	0.054953
7	-0.015757	-0.000387	0.040477	-0.011748	-0.011994	0.064648	0.089623	0.035912	0.043682	-0.012992	-0.034054	-0.008053	-0.045694	-0.038153
8	0.066853	-0.022267	-0.041563	0.01461	0.022639	0.002685	0.00208	0.00989	-0.029538	0.028839	0.037454	0.007807	0.0055	-0.047065
9	0.029505	-0.001569	-0.084107	-0.038329	0.023679	0.018642	0.044417	0.058089	0.023163	0.007321	0.064828	0.027827	0.064448	0.053539
10	0.041141	-0.014257	0.023556	0.06234	0.056268	-0.041622	0.024578	0.031415	0.04645	-0.041454	-0.010401	0.002364	-0.011232	-0.02322
11	0.029085	0.012945	-0.017134	-0.017194	-0.01788	0.005148	0.02238	-0.061055	-0.056273	-0.016089	-0.04883	-0.028887	-0.017078	0.039308
12	0.047674	-0.024093	0.010837	0.035609	0.041715	0.006841	-0.013501	-0.002595	-0.001553	-0.000204	-0.027134	-0.088558	-0.057613	-0.041327
13	0.004544	-0.035208	-0.064931	-0.030349	0.018286	-0.016386	0.013493	-0.010174	0.016105	-0.000087	0.001565	-0.062325	-0.063042	-0.04779
14	-0.013583	-0.031042	0.010798	-0.009023	-0.015993	0.061143	0.038626	-0.004382	-0.082191	0.03894	0.044864	0.064806	-0.014523	-0.017433
15	0.023981	0.050068	0.001378	0.026399	0.042028	0.016071	0.02501	0.008734	-0.05406	0.047199	0.043877	-0.036444	-0.061861	-0.054652
16	-0.098015	0.020755	-0.003844	-0.040011	-0.066904	0.044559	0.001362	-0.0689	-0.112842	0.002332	-0.000283	-0.014515	-0.00055	0.001059
17	-0.080362	-0.003383	0.017213	0.046125	0.03639	-0.002498	-0.099022	-0.041424	0.00259	0.060893	-0.017508	-0.008503	0.011697	0.024515
18	0.005702	0.000708	0.036646	-0.056624	-0.002894	-0.067919	-0.034354	0.054478	0.065823	-0.016928	-0.023906	0.025737	-0.005532	-0.012823
19	0.109938	-0.089041	-0.069272	-0.024165	0.002692	0.049272	0.008568	0.039017	0.12159	0.044511	-0.053114	-0.035251	0.007889	0.034917
20	0.059107	0.050384	-0.025421	-0.008966	0.025474	0.054264	0.008314	0.075283	0.015359	0.040538	-0.01704	-0.00591	0.011237	0.023224
21	0.046342	-0.044232	-0.007139	0.012444	0.013093	0.015724	-0.051205	-0.044301	-0.036958	-0.044763	0.022292	0.047663	0.013074	0.032712
22	0.005921	-0.015329	-0.074873	-0.073428	-0.027088	0.047482	0.053259	-0.034819	-0.043545	-0.022243	-0.004021	-0.009308	-0.007851	-0.031702
23	0.03159	-0.011977	0.096274	0.141426	0.133852	-0.072345	-0.035353	-0.004243	-0.017317	-0.069119	-0.045666	0.033345	0.015032	-0.000368
24	-0.060362	-0.01784	0.015623	0.030889	0.021214	-0.054946	-0.093937	-0.048854	-0.004518	0.036419	-0.027048	-0.050906	-0.011911	-0.038725
25	0.023685	0.019049	0.024178	0.065309	0.071421	0.007364	-0.051816	-0.03815	-0.016712	-0.01344	-0.014147	-0.081107	-0.006118	-0.006251
26	0.000556	0.021291	0.001152	0.017684	0.01208	-0.049115	-0.013737	-0.013012	-0.01351	-0.041157	0.066943	-0.015595	0.000182	0.028949
27	0.020272	-0.081563	0.016521	0.030968	0.016889	0.002154	-0.024892	-0.027486	0.066253	0.017677	-0.071129	0.016654	-0.028206	-0.019269
28	-0.033996	-0.055011	0.037332	0.058729	0.026712	0.051993	0.062375	-0.020933	-0.000531	0.027047	-0.014299	-0.016118	0.007209	-0.002411
29	0.02286	-0.023782	-0.011225	0.003855	0.007907	-0.022319	-0.02143	-0.001374	0.007051	-0.016644	-0.013012	0.000247	0.00366	0.004617
30	-0.055148	0.011339	0.040333	0.010742	-0.010551	-0.122049	-0.100708	-0.044742	-0.105796	-0.014251	-0.070488	-0.007878	-0.003079	0.02064
31	-0.001614	-0.02098	0.000122	-0.014227	-0.010679	-0.035049	-0.030252	-0.037206	-0.028619	0.001766	-0.017275	-0.033217	-0.043448	-0.034052
32	0.036337	0.036614	-0.008292	0.017429	-0.014042	-0.039725	-0.037099	0.06266	0.088309	0.009894	-0.072939	-0.038885	-0.001497	0.034299
33	0.093907	0.133439	-0.011166	-0.003644	0.003757	-0.003175	0.00419	0.117173	0.027031	-0.049049	-0.002241	0.042997	0.078923	0.059935
34	0.090284	-0.061607	0.038555	0.02261	0.006496	0.069333	0.043152	-0.013302	-0.002357	-0.005331	-0.022523	-0.005582	-0.014685	-0.038659
35	-0.007844	0.020368	-0.014472	-0.001187	0.034444	-0.090228	-0.03573	0.072958	0.083839	0.061129	0.00354	-0.030039	-0.009906	-0.028401
36	-0.050942	-0.005335	0.037003	-0.0165	-0.026822	0.057564	0.015123	-0.045805	0.008493	-0.026221	-0.015152	0.009213	-0.01016	-0.016718
37	0.077947	-0.073838	0.034992	0.01826	0.024762	-0.000738	0.022678	-0.017905	-0.022879	0.049948	0.064114	-0.018586	-0.054836	-0.043021
38	0.08024	0.000149	0.000578	-0.03493	-0.050606	0.008547	0.04165	0.045126	0.044392	0.018703	0.027408	-0.023127	-0.038537	-0.00594
39	0.05915	0.015648	0.070007	0.001524	-0.060853	-0.071382	0.002052	0.064884	0.028011	-0.0681	-0.034793	0.064714	0.020391	0.010122
40	0.023433	-0.014208	-0.008328	-0.01301	-0.000465	-0.012568	-0.005608	0.0131	0.030836	-0.015767	-0.002224	0.009207	0.016936	0.023281
41	0.08939	0.078405	-0.048242	-0.011153	0.049883	-0.008804	-0.071271	0.044597	0.016727	-0.015535	-0.008774	0.039122	0.05904	0.001593

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
42	-0.017713	-0.0176	-0.018732	-0.005545	-0.014149	0.01575	0.037695	-0.007995	-0.019165	0.034264	0.031761	-0.05277	-0.048685	-0.003486
43	-0.081497	-0.033194	0.051472	0.014185	-0.043722	0.058427	0.061834	-0.029884	-0.087757	0.018306	0.003954	0.022068	-0.040896	-0.082878
44	0.003768	0.041412	0.051016	-0.00076	-0.040775	0.033594	0.03078	0.038154	-0.000517	-0.037187	0.019328	0.02533	-0.025649	-0.00461
45	0.067776	-0.038924	-0.050218	-0.047336	-0.043313	-0.066329	-0.067192	0.007441	0.012974	0.075987	0.038503	0.030055	0.013107	-0.004313
46	-0.009878	-0.002459	0.050031	0.054998	0.003517	-0.038511	0.002905	-0.061234	0.002619	-0.008517	0.023886	-0.017639	0.01182	0.011201
47	0.02196	-0.08164	-0.065837	-0.040263	0.000966	0.031414	0.019368	0.034437	0.068626	0.028195	-0.026158	-0.038625	-0.026113	-0.059841
48	0.01583	-0.03	0.009822	-0.017491	-0.017445	0.054458	-0.062512	0.007298	-0.010512	-0.012464	-0.131435	-0.016612	-0.025512	-0.005866
49	-0.027678	0.001108	-0.031504	-0.03124	0.025533	-0.008379	0.054174	-0.00596	-0.033652	-0.018734	0.000464	0.038033	0.016751	0.00339
50	0.080195	-0.041036	-0.068033	0.049779	0.09426	0.042829	0.057919	0.032675	0.039399	-0.038128	-0.004276	0.048038	0.025253	0.006008
51	0.086405	0.024585	0.057525	-0.052401	-0.079052	-0.026381	0.007624	0.092999	0.110436	-0,03904	-0.07102	0.032077	0.001711	-0.000066
52	0.009565	0.001791	-0.058756	0.062592	0.03801	0.005726	-0.042406	-0.021601	-0.008245	-0.004263	-0.039785	-0.051591	-0.00836	0.016965
53	-0.015759	0.01607	0.033397	-0.069136	-0.087466	-0.022219	-0.01262	0.029099	-0.065957	0.023915	0.098505	0.072034	-0.00885	-0.01915
54	-0.035494	0.029834	-0.000207	-0.003911	0.00359	0.037695	-0.04259	-0.031326	-0.102682	0.011976	0.02863	-0.063206	-0.011589	0.010604
55	0.001826	0.022961	0.111182	-0.025156	-0.0851	-0.002162	-0.020134	0.041724	-0.001067	0.025806	0.013307	0.040937	-0.002457	-0.037244
56	-0.042075	0.003346	0.017633	0.005669	0.013001	-0.094394	-0.019545	0.011939	0.014162	-0.024293	-0.028822	0.034359	0.00171	-0.033039
57	0.013648	-0.027534	-0.039224	-0.000605	0.018475	-0.059797	0.057025	0.015488	-0.056485	-0.040287	-0.048832	0.07253	0.067887	0.036895
58	-0.009482	-0.024123	-0.057604	-0.01172	0.027794	-0.106635	-0.101583	0.025419	-0.019406	0.043302	0.044294	0.007476	-0.00166	-0.009357
59	-0.050519	-0.017997	0.021986	-0.012041	-0.013882	0.018862	-0.018173	0.014289	0.028143	-0.174463	-0.011027	0.121436	0.093132	0.005881
60	0.0073	-0.016995	-0.004529	0.025467	0.019587	-0.003829	-0.015689	-0.028488	0.013689	0.022115	-0.005055	-0.069007	-0.033811	-0.006349
61	0.001338	-0.019358	-0.01722	0.020698	0.017454	-0.00517	-0.013814	-0.001741	0.021632	0.022826	-0.015209	-0.048881	-0.015067	-0.00847
62	0.000391	0.003236	0.020498	-0.011919	-0.005083	0.003166	-0.002648	-0.00902	-0.017767	0.010295	0.000109	-0.042769	-0.063012	-0.062817
63	0.016027	0.009947	0.005599	0.002383	0.004648	-0.005493	-0.001283	0.020873	0.018281	-0.00041	-0.023496	-0.015145	-0.004281	-0.002575
64	0.005617	-0.013575	0.008637	0.021606	0.027248	0.013742	0.004484	0.00839	0.008659	0.006604	-0.010487	-0.005575	-0.007172	-0.027671
65	-0.006771	0.015608	0.035588	0.025327	0.0175	-0.025988	-0.000049	-0.004558	-0.018492	-0.052462	-0.008726	0.004607	-0.002248	-0.00111
66	-0.008624	0.013506	0.032051	0.027328	0.006291	-0.06654	-0.023213	0.011769	0.004552	-0.029222	-0.003007	0.011744	0.01203	0.003276
67	0.011064	0.006267	-0.015103	-0.015765	-0.004138	-0.004095	-0.011667	0.005699	-0.027092	0.000611	0.010571	-0.011777	0.011455	0.010573
68	-0.005209	-0.013925	-0.024838	-0.010723	0.018329	-0.014016	0.000737	0.022936	0.009584	-0.023345	-0.003868	0.015321	0.010207	0.001773
69	-0.014638	0.002958	-0.014535	-0.016496	-0.010162	-0.01223	-0.024744	0.018275	-0.002521	0.012277	0.00774	0.021234	0.002081	-0.01522
70	0.008409	-0.000857	-0.010291	-0.013831	-0.010632	-0.012861	-0.022061	-0.005512	-0.001918	-0.003499	0.014913	0.015147	0.006029	0.013793
71	-0.003668	0.010572	0.00318	-0.006826	-0.002104	-0.007627	0.017066	0.014292	0.016889	-0.015288	-0.00224	0.016788	0.007168	0.001726
72	-0.016711	0.019639	0.009199	-0.009174	-0.00436	0.006812	0.004248	0.002555	0.001355	0.000622	0.007507	0.005312	0.005639	-0.004033
73	-0.009746	0.039708	-0.005867	-0.008392	-0.010341	0.004675	-0.003473	-0.000434	-0.026258	0.002836	0.028621	0.01762	0.006782	0.011253
74	0.011739	-0.000799	0.011607	0.011442	0.025401	-0.003126	0.014408	0.006291	0.019735	-0.022146	0.005509	0.008579	-0.007427	-0.004031
75	0.010069	0.000498	0.004506	-0.001664	-0.003473	-0.004841	-0.012486	0.001824	0.013603	-0.010113	-0.006136	0.000551	-0.00592	-0.001847
76	0.001697	0.001688	0.008923	-0.011521	-0.013908	-0.014704	-0.012167	-0.006012	-0.013279	0.015016	0.011605	-0.004027	-0.015191	-0.00351
77	0.013401	0.002612	0.00198	-0.005906	-0.006035	-0.00871	-0.012654	0.006442	0.012288	-0.011576	-0.00551	0.010162	-0.003433	-0.000149
78	0.003833	0.00329	0.006418	-0.007526	-0.011527	0.00519	-0.013016	0.000009	0.008116	-0.018937	-0.007468	0.014435	0.003542	0.005201
79	0.017609	-0.010517	-0.007962	0.005966	0.003329	-0.000589	-0.009335	0.005502	0.015087	-0.000344	0.017901	0.003315	-0.004994	-0.006803
80	-0.016615	0.002302	-0.006331	-0.009883	-0.004625	-0.00582	-0.029332	-0.012086	-0.005208	-0.002226	-0.027013	-0.0191	-0.001726	-0.002835
81	-0.022607	-0.016425	0.005019	-0.000354	-0.000158	0.016472	0.017225	-0.003821	-0.006708	0.008527	-0.009121	0.00332	-0.019182	-0.004631
82	-0.00606	-0.017115	-0.008138	-0.008655	-0.00855	-0.017068	-0.010106	-0.005586	0.00221	0.010452	-0.000832	-0.000287	-0.000789	-0.001427

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
83	-0.018533	-0.008729	0.003649	-0.002488	-0.011275	-0.00525	-0.004338	-0.00304	0.001198	0.003251	-0.005822	0.001728	0.008387	0.004967
84	-0.006334	-0.001418	-0.003344	-0.006665	-0.008005	0.001279	0.001006	-0.005264	0.001907	-0.009939	-0.007106	0.008091	0.014038	0.00989
85	-0.019439	-0.014591	0.005817	-0.00063	-0.000253	0.022557	0.015818	-0.008964	-0.018164	0.016805	0.034296	0.000137	-0.011147	-0.022646
86	-0.017145	0.013152	0.008196	-0.003655	-0.011749	-0.005395	0.012068	0.000135	0.001561	-0.00285	-0.007081	0.007743	0.009296	-0.001231
87	-0.014935	-0.005991	-0.008318	-0.023269	-0.025701	-0.00648	-0.002445	-0.015779	-0.013106	0.001509	-0.001337	-0.005426	0.003558	0.003315
88	-0.009591	-0.014376	-0.002819	-0.00568	-0.006845	-0.003349	-0.005619	-0.006255	-0.003004	0.006175	-0.005507	0.00371	0.009397	0.00779
89	-0.018029	-0.010262	-0.007103	-0.010196	-0.008009	0.004527	-0.002303	0.000399	0.002327	-0.011011	-0.005987	0.014286	0.017971	0.005743
90	-0.027818	-0.005082	-0.005017	-0.006074	-0.003092	0.002331	-0.006524	0.002096	0.009655	-0.005387	-0.004455	0.000661	0.008097	-0.000605
91	-0.025253	0.003261	-0.005408	-0.002974	0.001796	0.001034	-0.003747	-0.009042	-0.005907	-0.014185	-0.010674	0.015623	0.020267	0.003679
92	-0.033928	0.019366	-0.003615	-0.008965	-0.02081	0.00042	-0.012732	-0.019411	-0.042341	-0.013174	-0.004237	0.011693	0.015812	0.030884
93	-0.011802	0.010953	-0.021746	-0.004268	0.009572	-0.002103	-0.004356	0.001789	0.003805	-0.00032	-0.021548	-0.008449	0.011331	0.010473
94	-0.04359	0.016583	0.001243	0.002263	0.004036	0.009455	0.007797	-0.011398	-0.011075	0.008584	0.023853	-0.002843	0.008811	0.017349
95	0.012119	0.007294	-0.00298	0.006112	0.002481	-0.026539	-0.011457	0.030653	0.032495	0.018456	0.021192	0.023529	0.024136	0.000399
96	0.017601	-0.047531	-0.023982	-0.000841	0.011166	-0.007588	-0.008097	-0.009098	0.018779	0.003096	0.000597	0.003914	0.010967	0.016987
97	-0.009207	0.015438	0.026791	0.031368	0.024829	0.008049	0.001109	0.015606	0.003386	0.00238	-0.005456	0.007283	0.005683	0.014552
98	-0.001903	0.005301	-0.00069	0.001863	0.008669	0.007801	0.000968	-0.005517	0.002856	0.003252	0.003954	-0.016586	-0.008906	-0.004612
99	-0.003655	0.001405	0.015787	0.016471	0.015038	-0.002631	-0.001763	0.013586	0.014173	-0.001031	0.004208	0.016412	0.007291	0.012402
100	0.01105	0.004796	-0.003644	0.006432	0.004392	0.014026	0.003828	-0.001747	-0.000431	0.007817	0.006787	-0.01891	-0.011058	-0.004308
101	0.009768	0.015922	-0.008736	-0.006444	0.01394	0.00975	0.015921	0.004652	0.000005	0.008404	0.012161	-0.013314	-0.005686	0.002423
102	-0.012203	-0.013621	-0.012379	-0.008455	-0.008796	0.018832	0.002791	-0.014859	0.014917	-0.005465	-0.035255	0.000734	0.005591	0.014314
103	-0.022578	-0.020391	0.009787	-0.002382	-0.015462	0.011752	0.016479	-0.004481	0.019795	-0.004486	-0.011424	0.003728	-0.006825	-0.004894
104	-0.00611	0.007004	0.013377	0.003064	0.004216	-0.007529	-0.003055	0.00987	0.004708	-0.017542	-0.025993	-0.002402	-0.007875	-0.01068
105	0.007039	-0.026122	-0.019516	-0.016051	0.003185	-0.00423	-0.005621	-0.032989	-0.010047	-0.019373	0.016676	-0.015888	-0.01562	0.000008
106	-0.005563	0.003437	0.027349	0.002711	-0.026778	0.002352	-0.014759	-0.023081	-0.016963	0.006719	-0.031072	0.003307	-0.016819	-0.006656
107	-0.010981	0.006101	0.038607	-0.012413	-0.033056	0.009232	-0.009836	-0.005498	-0.011992	0.009424	-0.013771	0.011731	-0.014049	0.000907
108	0.013457	-0.04939	-0.026886	-0.018159	0.007734	0.016996	0.02171	-0.01402	-0.001007	-0.001578	-0.025742	0.01111	-0.002418	-0.014425
109	-0.069607	0.015269	-0.002109	-0.033272	-0.028006	-0.031243	-0.04259	-0.01272	-0.011678	0.037924	0.014656	-0.008466	-0.010445	-0.00536
110	0.055983	0.028925	0.021937	0.003774	-0.026962	-0.007361	-0.008475	0.058274	0.073955	0.014107	-0.030789	-0.010949	0.005978	0.012597
111	0.050194	-0.030253	0.013242	-0.003785	-0.022551	0.003773	0.000226	-0.005317	0.012189	-0.00102	-0.000761	0.004035	-0.016037	-0.024582
112	-0.007429	-0.019367	-0.006928	-0.001816	-0.002624	0.01987	0.00091	0.005691	0.016325	0.010659	0.005092	0.022878	0.019939	-0.003714
113	-0.017107	-0.026072	0.00129	0.001706	0.000235	-0.019392	-0.023653	-0.006782	0.008164	0.008753	-0.009968	0.022317	-0.016146	-0.017133
114	-0.018956	-0.013893	-0.033751	-0.043577	-0.019481	-0.001126	0.006151	0.042172	0.019876	0.002063	-0.00447	0.042633	0.014787	0.019734
115	0.04258	0.017028	0.023245	0.00498	0.002149	-0.003345	0.015884	0.002517	0.025339	0.005188	0.008218	-0.016336	-0.009798	0.003655
116	0.002072	0.003574	-0.002607	-0.019606	-0.014998	-0.021788	-0.037812	0.027329	-0.000548	0.005363	0.014594	0.015226	0.003077	-0.017324
117	-0.017155	-0.019023	-0.010741	0.008659	0.008192	-0.046906	-0.019542	-0.006721	0.028734	-0.005797	0.010864	0.007687	0.005401	0.004129
118	-0.006734	0.008791	-0.014824	-0.036495	-0.00757	-0.022744	-0.018405	-0.002723	-0.030709	-0.022853	0.02539	0.007784	-0.013275	-0.017473
119	-0.00959	0.023718	0.005356	-0.003778	-0.001949	0.001736	-0.002013	0.007986	-0.006348	0.009597	0.014141	0.022914	0.0184	0.004269
120	-0.02433	-0.002497	-0.009325	0.014411	0.014538	-0.002419	0.000897	-0.014716	-0.021085	-0.022485	0.012181	0.032364	0.014608	0.001896
121	-0.011765	0.007501	0.036684	0.028737	0.021726	-0.028083	-0.042947	-0.001879	0.026974	-0.0228	-0.002502	0.002976	-0.0102	-0.023738
122	0.024027	0.004214	0.00307	0.025707	0.011433	-0.022969	-0.03588	-0.014168	0.004976	0.01768	-0.002979	-0.016953	-0.004855	0.001141
123	0.022275	0.010001	0.015734	0.006107	-0.006829	-0.017702	-0.009629	0.000304	0.008926	0.006675	0.011075	-0.000632	-0.011295	-0.022144

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
124	0.014004	0.01739	0.019433	0.015231	0.007716	0.020349	0.010427	0.012546	0.005248	0.011042	0.014066	0.004678	0.004553	-0.002852
125	0.015164	-0.014392	0.011726	0.018178	0.025184	0.002821	0.02709	0.011692	0.0242	-0.004549	0.002813	0.001608	-0.011462	-0.026215
126	0.00928	0.022745	0.026038	0.002439	-0.00475	-0.057108	-0.041769	-0.007468	-0.014044	-0.023694	0.007311	0.007846	-0.008318	-0.00673
127	0.00618	0.029756	0.022965	0.002324	-0.006437	-0.025169	-0.014675	0.004322	-0.018225	-0.004927	0.012831	0.004067	0.004111	0.009378
128	-0.013181	0.006873	0.008235	-0.000517	-0.009649	-0.007305	0.000541	0.000485	0.003366	-0.009602	-0.010236	0.00068	-0.003884	-0.002806
129	0.01513	0.01107	0.00144	0.029019	0.015481	-0.008944	-0.003366	0.022911	0.018024	0.00086	-0.000929	-0.012678	-0.001459	-0.002349
130	-0.023292	0.003951	0.02606	0.021418	0.012358	0.000602	-0.010684	-0.027492	-0.017134	0.008823	0.005668	-0.01601	-0.005591	0.000588
131	0.044342	-0.012302	0.00083	0.014569	0.01983	-0.007976	-0.044102	0.002817	0.02578	-0.005082	0.012073	0.002031	0.012506	0.016857
132	-0.025013	-0.002051	0.000635	-0.001412	-0.007923	0.007771	0.007633	0.005236	0.007913	0.004311	-0.007818	0.005239	0.003598	-0.010919
133	-0.032642	0.019228	0.009296	0.0076	0.001458	0.024625	0.018895	0.012228	0.035356	-0.01544	-0.00441	-0.01619	-0.003396	0.007928
134	0.010897	-0.010966	-0.000455	-0.039091	-0.017527	-0.006481	0.001974	-0.005479	-0.007886	0.007079	0.03426	0.008001	-0.001187	-0.023082
135	-0.016168	0.002771	0.00081	0.000205	0.00023	0.00944	0.00473	-0.000906	-0.005962	-0.00963	-0.003749	0.007569	0.006819	-0.008017
136	0.035992	0.008029	-0.016143	-0.025552	-0.02475	0.009856	0.00643	0.012187	0.019158	0.004494	0.016035	-0.012192	-0.002212	0.009982
137	-0.023987	0.01616	0.025643	0.002771	-0.001594	0.00684	-0.000399	-0.017792	-0.025594	-0.005429	0.017001	-0.007683	-0.025727	-0.020416
138	-0.013977	-0.006268	-0.014594	-0.003175	0.015952	-0.015573	-0.02318	-0.001137	-0.014379	-0.002633	-0.026503	0.009972	0.011499	0.008903
139	-0.0037	-0.002956	-0.008497	-0.00872	-0.005099	0.008835	0.006939	-0.046326	-0.070564	0.021758	0.01703	-0.021664	-0.035374	-0.007991
140	-0.000216	0.016054	-0.022899	-0.010464	0.013012	-0.021987	-0.028853	0.008277	0.007904	0.004055	-0.01123	0.005999	0.007141	-0.015766
141	-0.01278	-0.0092	-0.011392	-0.013672	-0.015357	0.002208	0.017312	0.006263	-0.001647	0.002495	-0.005701	0.011386	0.014616	0.007304
142	-0.018311	0.009204	0.015388	0.017122	-0.000246	0.00637	0.028815	0.001273	0.011225	-0.004392	-0.003161	0.000961	0.014467	0.013769
143	0.002542	-0.00313	-0.001705	0.022828	0.021535	0.00959	0.00645	-0.010134	0.006461	0.01147	-0.039778	-0.018888	-0.000157	0.001901
144	0.017231	-0.001942	-0.010998	0.002697	-0.001236	-0.008217	-0.007707	0.013854	0.035601	0.018838	-0.036855	-0.021871	0.004572	-0.004205
145	-0.022561	0.036277	-0.018067	-0.009446	-0.004705	-0.006813	0.005385	0.021587	0.024878	0.031615	-0.001782	-0.026158	-0.009783	0.000755
146	-0.022597	-0.008753	0.005803	0.004981	0.00307	0.00175	0.000274	-0.002336	-0.016658	-0.007089	0.000037	0.012673	-0.004751	-0.022671
147	-0.050059	-0.006452	0.013529	-0.003492	-0.011476	-0.032775	-0.01833	-0.027024	-0.025192	-0.02746	-0.041122	0.02017	0.00586	0.00441
148	0.029538	-0.002739	0.009104	-0.003722	-0.028838	-0.060533	-0.049905	-0.018744	-0.040615	-0.001203	0.011544	0.008116	-0.008631	0.00817
149	0.009799	-0.005538	0.002047	-0.007725	-0.006409	-0.00405	0.014642	0.010656	0.011261	0.00348	0.012163	0.00658	-0.008502	-0.000478
150	0.000021	0.012203	-0.001117	0.020591	0.029454	0.02187	0.008009	0.004607	-0.021429	-0.012934	0.006832	0.008516	-0.004823	-0.01503
151	0.026925	0.010426	-0.01213	-0.035249	-0.019923	-0.023393	0.000571	0.009846	-0.012675	0.02576	0.011726	-0.00235	-0.002225	0.00318
152	0.005685	0.008368	0.012473	-0.000098	-0.014217	-0.005172	0.009109	0.008472	-0.010014	-0.015324	0.012362	0.02124	0.025502	0.014206
153	0.001442	-0.006091	0.020254	0.008411	-0.00559	-0.00287	0.021647	-0.003158	-0.016363	-0.021084	-0.005851	-0.003691	0.00092	-0.006261
154	0.022401	0.017101	0.002598	0.010008	0.003894	0.007645	0.010964	0.00516	0.020612	-0.018888	-0.012841	-0.010601	0.017385	0.011389
155	0.008852	-0.008658	0.009295	0.00946	-0.000125	0.019699	0.00795	-0.008991	-0.009971	-0.022625	-0.025644	-0.008098	-0.010026	-0.021473
156	0.000155	-0.025445	-0.002337	0.011133	0.019303	0.009664	0.015199	-0.021237	-0.001604	-0.014927	-0.037588	0.00352	0.0046	-0.00237
157	0.00548	0.003197	0.009531	0.014886	0.002269	0.011386	0.004801	0.010288	0.010237	0.007756	-0.002801	-0.002781	-0.014037	-0.020517
158	-0.027386	-0.009382	0.014253	0.002811	-0.007347	0.040959	0.029426	-0.038346	-0.028975	-0.018249	-0.018583	-0.009866	-0.000343	0.002191
159	-0.022947	0.044185	-0.014208	0.003035	0.007172	0.022189	0.001322	-0.00512	-0.023938	-0.009908	0.014688	-0.018364	0.006853	0.014934
160	0.030484	0.022479	0.01791	0.00463	0.008198	-0.044014	-0.004572	0.020453	-0.006971	-0.004896	0.032668	0.011439	-0.009541	-0.002986
161	-0.048811	-0.016889	0.012178	-0.008219	-0.031177	-0.010938	-0.016643	-0.023437	-0.051481	0.007884	0.002173	0.003277	-0.009782	-0.001158
162	0.01499	0.018317	-0.034394	-0.018023	0.01858	-0.009868	0.013721	0.029978	0.00194	0.01414	0.01552	0.007372	0.010299	0.000112
163	-0.004389	0.01162	0.028187	0.013303	-0.007878	0.015479	0.025154	0.001911	-0.012011	0.004497	0.004992	0.001023	0.003013	0.000236
164	0.021967	-0.00759	-0.045819	-0.032856	-0.004155	0.020475	0.025187	0.014222	0.015793	0.022586	-0.004578	-0.022549	-0.007932	0.013973

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
165	0.017836	-0.024705	0.018976	-0.000874	-0.00961	-0.07022	-0.023029	0.011519	0.034195	-0.034291	-0.009977	-0.011266	-0.019801	-0.007298
166	0.012592	-0.027487	-0.020612	0.00379	0.014729	-0.019526	0.01203	0.006033	0.024764	0.019022	0.014953	0.002469	0.002228	-0.007807
167	-0.01425	-0.020925	-0.018224	-0.001254	0.014045	-0.002735	0.001026	-0.005809	0.028611	0.010844	-0.036282	-0.020617	-0.021012	-0.025592
168	0.004093	0.018365	0.019626	0.010024	0.008205	0.030245	0.004944	0.00529	-0.012952	0.008702	-0.013454	-0.014665	-0.007563	0.006055
169	-0.010571	-0.005693	0.00041	0.005918	0.013818	0.000304	0.000389	0.00772	0.002194	0.015578	0.001899	-0.000896	-0.000534	0.001346
170	-0.002744	0.004179	-0.007928	0.002986	0.016222	-0.003651	-0.003761	0.015668	0.004239	0.021594	0.008663	-0.007519	0.011542	0.023892
171	-0.012995	-0.012075	0.003373	0.000542	0.00276	0.000901	-0.009152	-0.002694	-0.009322	0.006088	0.008286	0.001812	-0.001121	-0.003759
172	-0.022051	-0.009029	0.018574	0.004429	0.002422	0.018653	0.013518	0.000554	-0.010157	-0.003798	0.003272	0.022886	-0.001796	-0.012972
173	0.01369	0.014218	0.034194	0.011881	0.006031	-0.006048	0.0177	0.015989	0.018761	-0.014359	0.005542	-0.001835	-0.015108	-0.008186
174	0.006383	0.000845	0.016632	0.008861	0.002938	0.009476	0.005413	0.007672	0.004271	0.016034	-0.024915	-0.013139	-0.014152	-0.007454
175	-0.004049	-0.044823	0.002294	0.012288	-0.000077	-0.014177	-0.020099	-0.024338	-0.025013	0.035432	0.031214	0.001133	-0.023908	-0.009674
176	-0.014375	-0.051248	0.009698	0.016015	0.003456	0.011985	0.000951	-0.027511	-0.000171	0.00786	-0.004143	-0.005576	-0.014753	-0.002765
177	0.00724	0.010383	-0.03677	-0.017861	0.015043	0.015996	-0.020515	-0.013249	-0.013965	-0.008662	-0.026509	-0.011936	0.007978	0.010289
178	-0.011074	0.024359	0.019775	0.004217	-0.011666	-0.007111	-0.005728	-0.016881	-0.021315	-0.003982	0.003164	-0.019879	-0.024874	-0.003478
179	0.010772	0.008198	-0.002614	0.000307	0.003081	0.004447	-0.000698	-0.003891	-0.00029	-0.000174	-0.007458	-0.01398	-0.008788	-0.002478
180	0.012394	0.00778	-0.000226	-0.00023	0.006017	-0.001734	0.001166	-0.001122	0.004974	-0.015347	-0.00745	-0.008627	-0.006609	0.000248
181	0.008186	0.005851	0.000117	0.000273	0.002929	0.007162	0.000858	-0.006032	0.005053	-0.00172	-0.006923	-0.02009	-0.011894	-0.002864
182	0.009911	0.009198	-0.009907	0.001881	0.002305	0.022038	0.006593	-0.004585	0.003746	-0.011364	-0.002198	-0.014561	-0.00032	0.012467
183	0.020492	0.000518	-0.004017	-0.001427	-0.006405	0.012972	-0.004379	-0.006714	0.000834	-0.010088	-0.002525	-0.006359	-0.007245	-0.012199
184	0.014353	-0.000754	0.016752	0.000973	-0.015124	-0.002195	0.008827	0.002183	-0.00235	0.007017	-0.004123	0.008806	-0.009096	-0.034067
185	-0.008776	0.000725	0.024385	0.032731	0.012023	-0.002878	-0.011834	-0.002634	0.004509	-0.011498	-0.035217	-0.00172	-0.007795	-0.02157
186	0.013437	0.000618	0.011377	-0.004809	-0.016439	-0.007603	-0.030181	-0.001201	-0.028077	-0.008882	0.004135	0.017468	0.000564	-0.01863
187	0.026558	0.029414	0.003161	0.000827	0.005498	-0.014627	0.01559	0.024165	0.020617	-0.030797	-0.009853	0.011701	0.017522	0.018169
188	0.020162	0.01394	-0.008268	0.000207	0.007768	-0.002499	0.007741	0.016301	0.017562	-0.01653	-0.041084	0.00324	0.016467	0.020075
189	0.036206	-0.014518	-0.028477	0.002115	0.014059	0.016786	0.004216	0.000703	0.007662	0.016988	-0.02283	-0.013199	0.004093	0.013305
190	0.01227	-0.019411	-0.011099	-0.006299	0.005375	0.005096	0.022095	-0.004572	-0.002173	0.016564	0.019319	-0.003691	-0.019786	-0.01921
191	0.014731	-0.001787	-0.013351	-0.012756	0.001988	0.010346	0.017917	0.004332	-0.002861	0.005757	0.014259	0.002411	-0.000925	-0.008762
192	0.012371	0.041283	0.004026	0.009545	0.00429	0.002512	-0.01093	0.021533	-0.00182	-0.003736	-0.013139	0.018407	0.034535	0.021522
193	0.012829	0.007004	0.01813	0.006316	-0.014589	-0.004307	0.009285	0.007419	-0.002512	-0.005611	-0.004241	0.017127	0.02028	0.012459
194	0.011846	-0.00878	0.003194	0.003746	0.007948	-0.003697	0.025542	0.004297	-0.004682	-0.011738	-0.007851	0.021007	-0.000534	-0.008016
195	0.036183	0.000963	0.016232	-0.006658	-0.016961	0.023438	0.016675	0.028169	0.015921	0.007978	0.02007	0.01419	-0.013212	-0.028414
196	0.017828	-0.010731	-0.004602	-0.003896	-0.001099	0.009716	-0.002155	0.005738	-0.000482	0.026689	0.020837	0.003509	-0.011998	-0.023486
197	0.012736	-0.023007	-0.021915	-0.005421	0.00929	0.022808	0.024102	0.009035	0.020331	0.007236	0.014976	0.001393	0.001015	-0.008061
198	0.009055	0.001988	0.021083	0.002582	-0.015749	0.010337	0.005557	0.004875	-0.017769	-0.011694	0.018407	0.02652	-0.004494	-0.016174
199	-0.010363	-0.006921	0.006752	-0.003412	-0.007024	-0.014469	0.007572	0.003183	0.008809	0.025669	-0.008487	0.001964	-0.008819	0.015982
200	-0.024355	-0.007118	0.006291	-0.018303	-0.017679	0.02171	0.004749	-0.010892	-0.031773	0.002157	0.015829	0.003082	-0.013794	-0.02236
201	0.029851	0.023932	-0.00658	-0.020724	-0.013179	-0.024503	-0.010886	0.026712	-0.005714	-0.025767	0.005283	0.018314	0.006755	0.020609
202	0.010695	0.0089	0.007518	-0.011776	-0.018821	-0.000763	0.005897	0.01496	-0.003316	-0.008337	0.028327	0.030334	0.004611	-0.00461
203	0.011599	0.007079	-0.00943	0.006784	0.007239	-0.001766	0.022097	-0.005982	-0.014091	0.003214	0.003821	-0.012496	-0.014496	0.001083
204	0.00338	-0.002763	0.016336	0.032457	0.019822	-0.031865	-0.042609	0.004832	-0.011061	-0.004701	-0.004133	0.009081	-0.00146	-0.020776
205	-0.021981	-0.031376	-0.004597	-0.018954	-0.00206	0.011987	0.026134	-0.045646	-0.012323	0.013736	0.002504	-0.020853	-0.022774	-0.038035

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
206	-0.0238	-0.02406	0.014425	0.021963	0.013731	0.004719	0.01316	-0.023563	0.007168	-0.003454	-0.016896	-0.004467	-0.000501	-0.010175
207	0.035825	-0.019979	0.005579	0.00779	0.001613	0.015416	-0.043724	-0.016457	0.018222	-0.006548	-0.03368	-0.008078	0.010563	0.025788
208	0.009283	0.002757	-0.021286	0.000258	0.009435	-0.008755	0.011653	0.024274	0.025967	0.005048	0.009692	0.003002	0.026814	0.00709
209	-0.037312	-0.005604	0.016172	0.010985	-0.008121	0.005635	0.013974	-0.00251	0.002225	-0.004434	0.001969	0.009468	0.005882	-0.00725
210	0.033601	-0.06456	0.004042	-0.009369	-0.030884	0.031965	0.000444	-0.026108	-0.009429	-0.024213	-0.000429	0.004925	-0.046962	-0.0449
211	0.005697	-0.006723	0.012758	-0.012877	-0.006726	0.011403	0.00469	-0.018503	-0.018108	-0.030115	-0.009687	0.014193	-0.014059	-0.019406
212	-0.015239	-0.021994	0.03473	-0.00616	-0.018861	0.012005	0.00324	-0.003085	0.002347	0.00535	-0.00054	0.00307	-0.008564	-0.025321
213	-0.020962	0.006319	-0.004102	-0.009698	-0.018051	0.008433	0.001361	-0.030658	-0.045957	-0.013985	-0.026779	0.017328	-0.006205	0.009351
214	0.02555	0.016934	-0.003633	-0.003541	0.002678	0.013728	-0.002335	0.012097	0.010606	-0.010053	0.003516	0.000057	0.001666	-0.003884
215	-0.008791	0.003973	0.028576	0.015958	-0.003786	0.008838	-0.026827	-0.024953	-0.024335	0.003816	-0.001335	-0.021082	-0.013259	-0.028107
216	-0.009712	-0.012435	-0.000792	-0.030904	-0.022252	0.018358	-0.007869	-0.009969	-0.020232	0.003625	-0.014364	-0.007697	-0.018361	-0.014284
217	-0.003907	0.003537	0.000761	-0.01608	-0.010085	-0.005954	0.0033	0.002618	-0.035482	0.024885	0.007839	0.023086	-0.016578	-0.026047
218	0.006292	-0.001896	-0.000873	0.011322	0.005839	0.019363	-0.019037	-0.009089	0.002847	0.023282	0.005527	-0.021115	-0.006332	-0.007229
219	-0.017986	0.00049	0.008987	-0.035644	-0.039007	0.016081	-0.002743	0.004735	-0.01464	0.025685	0.010889	-0.000756	-0.024799	-0.030118
220	0.001181	-0.000286	0.034545	0.025192	0.02585	0.012101	-0.00157	-0.010569	-0.025678	0.018161	0.005249	-0.030194	-0.047821	-0.06085
221	0.009986	0.014623	0.034166	0.020994	0.019399	0.002766	0.009967	0.001613	-0.002994	-0.04546	-0.002937	0.012051	-0.004542	-0.016483
222	-0.000939	0.014625	0.02172	0.003526	-0.002802	0.015068	0.008966	-0.007896	-0.026987	0.006407	0.01099	-0.002633	-0.004157	-0.010552
223	-0.000539	-0.00196	0.029381	0.00934	-0.004699	0.013967	0.011818	-0.014845	-0.017613	-0.000733	0.007443	-0.011054	-0.014845	-0.012407
224	-0.014584	-0.016106	0.007944	-0.000362	-0.004322	0.006282	0.002327	-0.008744	-0.019393	-0.002609	0.002191	0.015748	-0.011356	-0.017257
225	-0.02285	-0.00449	0.003579	-0.003825	-0.002261	0.011053	0.005134	-0.000409	-0.015151	-0.013874	0.001239	0.019217	-0.007229	-0.014658
226	-0.002728	0.009962	0.01359	0.027591	0.014836	0.003216	0.003877	0.010263	0.015757	0.021779	0.037643	0.017393	0.022541	0.013129
227	-0.029307	0.00981	0.019882	0.034013	0.024259	-0.01001	0.006005	-0.002606	0.000891	0.008763	0.024015	0.010897	0.004901	0.00411
228	-0.052558	0.009813	0.001715	-0.000578	-0.009749	0.00953	-0.00505	-0.030905	-0.068551	0.023008	0.044869	0.02031	0.017406	0.004404
229	0.006241	0.034756	0.016508	0.006782	0.012217	0.019951	0.010495	0.012427	-0.006348	-0.001434	-0.015116	0.018433	0.025705	0.024547
230	-0.007081	-0.005262	0.019862	-0.024959	-0.018719	0.032493	0.019054	-0.002796	0.002507	-0.012437	-0.019998	0.00581	-0.013988	-0.007083
231	-0.078545	-0.015039	0.017305	-0.015665	-0.03404	-0.003095	0.035103	-0.022405	0.000574	-0.010145	0.023055	0.027301	0.010999	0.007583
232	-0.009691	-0.039407	0.000554	0.00971	0.000662	-0.007547	-0.02868	-0.037066	-0.037778	0.016317	0.008859	0.004747	0.003793	-0.022863
233	-0.028485	0.006362	0.003371	0.004612	-0.008322	-0.03633	-0.094713	-0.047284	-0.048789	0.008071	-0.019487	-0.030408	-0.009295	-0.002559
234	-0.126455	-0.002024	-0.006517	-0.017503	-0.016637	-0.004035	-0.033072	-0.054516	-0.049569	0.019677	0.023945	-0.01963	-0.00688	-0.003074
235	0.838855	-0.008223	0.019289	-0.004669	-0.022186	-0.013135	-0.026257	-0.076688	-0.081963	0.016917	0.019314	-0.003877	-0.013097	-0.01817
236	-0.012906	0.899867	-0.020249	-0.004689	-0.003963	0.015806	0.006195	-0.049315	-0.001955	0.012527	-0.018207	-0.012482	-0.030284	-0.031527
237	0.016989	-0.015658	0.901488	-0.033196	0.013835	0.005558	0.004048	0.002302	0.017271	0.012013	0.000971	-0.018182	0.01816	0.026263
238	-0.011744	0.001272	-0.037147	0.916249	-0.060649	0.001173	0.010943	0.014392	-0.004543	0.003074	0.011454	0.017498	-0.000173	-0.003431
239	-0.027297	0.002575	0.008266	-0.06744	0.911346	0.002069	0.006963	0.002027	-0.016851	0.005121	0.011317	0.019956	-0.01151	-0.011859
240	0.005627	0.011983	0.010007	0.008119	0.00991	0.882789	-0.065187	0.011969	0.006026	-0.006665	-0.006739	0.010714	0.011123	0.002722
241	-0.012431	-0.002729	-0.005018	0.008029	0.008179	-0.06896	0.886722	-0.026344	-0.021309	0.00044	-0.032238	-0.015186	0.003163	0.000212
242	-0.075964	-0.040104	0.003845	0.012141	-0.002435	0.013563	-0.020738	0.894282	-0.085595	0.010955	-0.002134	-0.036453	-0.034402	-0.023812
243	-0.082045	0.001784	0.007251	-0.007414	-0.017494	0.008038	-0.016042	-0.082346	0.84109	0.009722	0.028711	0.002205	-0.023165	-0.027351
244	0.003662	0.020108	0.024526	0.011134	0.004575	-0.013924	0.010528	0.004573	-0.003044	0.917268	-0.026265	0.035211	0.026379	0.014582
245	0.006201	-0.0086	0.007175	0.013012	0.007406	0.000759	-0.011132	-0.004943	0.019511	-0.031723	0.897619	-0.016531	-0.000422	0.002229
246	0.011486	-0.007256	-0.014824	0.009516	0.012504	0.012912	-0.009602	-0.019737	0.00717	0.030331	-0.022115	0.911274	-0.048597	-0.019917

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
247	-0.005869	-0.033135	0.012471	-0.007792	-0.014112	0.015638	0.006412	-0.024606	-0.019687	0.021621	-0.008035	-0.042328	0.926588	-0.061475
248	-0.014595	-0.039927	0.013689	-0.007786	-0.010005	0.012312	0.005618	-0.019635	-0.021971	0.009563	-0.004402	-0.012138	-0.052801	0.924204
249	-0.001201	-0.006033	0.007387	0.000467	0.001666	-0.072361	-0.06334	-0.001033	-0.027722	0.01559	-0.007994	0.004475	0.014164	-0.00423
250	-0.0007	0.002315	-0.000671	0.008757	0.014827	-0.078908	-0.042924	0.003979	0.015529	-0.012376	0.008517	-0.003993	0.011891	0.012697
251	-0.03189	0.011901	0.003512	0.011792	0.020301	-0.08813	-0.055928	-0.000815	0.002715	-0.02797	0.000325	0.013558	0.014619	0.002503
252	-0.054116	-0.010997	0.011956	0.018949	0.00634	-0.022912	-0.045333	-0.042728	-0.04388	-0.019084	-0.03581	0.017996	0.006373	-0.012618
253	-0.029742	-0.015867	-0.003407	0.018163	0.023092	0.016715	-0.021075	-0.042675	-0.064102	-0.000046	0.001004	0.015868	0.019066	0.004026
254	-0.004433	0.00826	0.030324	0.006277	-0.011324	-0.015516	0.003341	-0.002117	-0.025727	-0.024677	-0.009651	-0.001536	-0.001858	0.003088
255	-0.002834	0.021959	0.031536	0.019298	0.016422	-0.024954	0.004922	0.002629	-0.012903	-0.052366	-0.022876	-0.005995	-0.004379	-0.000531
256	0.022744	0.016679	0.034606	0.026207	0.030568	-0.002821	-0.0124	0.020865	0.005174	-0.025432	-0.074684	-0.010726	0.000749	-0.006202
257	0.00596	-0.00051	0.020919	0.017234	0.016599	0.00557	0.007751	0.019421	0.035122	0.018925	0.009938	0.006801	0.001212	0.004484
258	-0.001215	-0.026421	0.013373	0.020176	0.016916	0.011727	0.000772	-0.00188	-0.000401	0.019131	-0.000552	0.006489	-0.022351	-0.021182
259	-0.022712	0.002056	0.000143	-0.002464	-0.002018	-0.036386	-0.028037	-0.014582	-0.038499	-0.001064	0.008255	0.004645	0.007629	0.001029
260	-0.024772	-0.00111	-0.001887	0.009984	0.004631	-0.025535	-0.016894	-0.009748	-0.01822	-0.011593	0.004611	0.014311	0.006409	-0.004951
261	-0.027917	-0.004706	-0.007245	-0.002271	0.002401	-0.042212	-0.017282	-0.004302	-0.008655	0.00871	0.014861	0.008356	-0.008037	-0.018381
262	-0.026222	-0.038939	0.006385	-0.00087	-0.012258	0.001706	0.00996	-0.033452	-0.013709	0.017931	0.005602	-0.002298	-0.026633	-0.027791
263	-0.043905	-0.042182	0.004273	0.000674	-0.007172	0.013973	0.009864	-0.044106	-0.033853	0.01057	0.002676	0.005016	-0.020512	-0.027358
264	0.004629	0.013986	0.00818	-0.001746	-0.004277	-0.01796	-0.009386	0.011825	-0.029577	0.001337	0.007409	0.001632	0.009009	0.00382
265	0.018092	0.010995	0.016086	-0.008221	-0.023675	0.003262	0.011764	0.028316	-0.028327	0.011756	0.019489	0.00293	-0.006164	-0.003693
266	0.013352	0.004903	0.014369	-0.006836	-0.011984	0.011497	0.020735	0.022495	-0.014677	-0.007822	-0.003487	0.000992	-0.022321	-0.023032
267	0.014061	0.021682	0.017012	0.018192	0.005461	0.010529	0.012512	0.010529	-0.007124	0.006314	0.020561	0.025845	0.040295	0.033991
268	-0.007168	0.009074	0.019141	0.024216	0.005045	0.003954	-0.003078	0.004727	0.006604	0.013673	0.033947	0.018633	0.022333	0.01713
269	-0.003548	0.010283	0.011812	0.026186	0.021258	0.003504	-0.002709	0.004585	0.009215	0.001491	0.030701	0.021954	0.027984	0.016162
270	0.002837	0.012478	0.020179	0.03705	0.024156	-0.005663	0.007989	0.012898	0.017902	0.006325	0.036119	0.019841	0.020273	0.011
271	0.016585	-0.011661	-0.003832	0.013649	0.012648	0.007029	0.008158	-0.005271	-0.002377	-0.005578	-0.01713	0.005129	0.010604	0.01698
272	0.007707	0.025302	0.013809	0.003537	0.001566	0.002519	0.018882	0.021604	0.007129	0.007625	0.004434	0.029542	0.028084	0.02455
273	0.009594	0.000507	0.029454	0.019681	0.00642	0.009727	0.009888	0.008637	0.01492	-0.00173	0.014196	0.027089	0.006104	-0.001734
274	0.009764	0.004056	0.025922	0.019603	0.011266	0.008748	0.00789	0.00935	0.014745	-0.003335	0.014773	0.026815	0.008449	0.001798
275	0.012776	-0.008664	0.029758	0.008008	0.006346	0.008797	0.03432	0.00612	0.008128	-0.011321	0.001089	0.010981	-0.019927	-0.023622
276	-0.017368	-0.090106	-0.016925	-0.001467	-0.001653	0.012261	0.002478	-0.05035	-0.006968	0.02245	-0.018532	-0.005435	-0.020218	-0.018214
277	0.004682	-0.01382	-0.045048	-0.011421	-0.014067	0.014996	0.009647	-0.011368	0.007541	0.005844	0.002929	-0.002681	0.014387	0.023838
278	0.003126	-0.011941	-0.040867	-0.012293	-0.016867	0.012614	0.012778	-0.00727	0.013239	-0.008961	0.005288	0.00891	0.023068	0.023597
279	-0.017792	0.004537	0.002129	-0.065682	-0.080991	-0.006041	0.013617	0.009822	-0.01951	0.0096	0.023594	0.027653	-0.005919	-0.014035
280	-0.052967	-0.005743	-0.004158	0.014298	0.013341	0.02033	-0.028438	-0.074557	-0.135226	0.013919	0.021047	0.003198	0.004587	0.007474
281	0.020414	-0.000769	0.008889	0.033366	0.022752	0.009469	-0.01493	-0.008515	0.003605	0.025895	-0.018928	-0.064523	-0.04134	-0.0196
282	0.0064	-0.002491	0.029757	0.040021	0.021727	0.010317	-0.018153	-0.015471	-0.007084	0.010909	-0.019792	-0.048471	-0.039969	-0.020937
283	-0.013871	-0.030663	0.028646	-0.000647	-0.016075	0.003665	0.003608	-0.021327	-0.03289	0.015596	0.00422	-0.016597	-0.066359	-0.075014
284	0.007088	0.005493	0.018072	0.016672	0.018129	-0.004829	0.001732	0.023957	0.031087	0.013699	0.016781	0.017294	0.015255	0.011832
285	0.002537	0.009329	0.025241	0.017511	0.013414	-0.002979	-0.001956	0.02114	0.028669	0.006137	0.01702	0.018228	0.01668	0.014454
286	0.009862	0.018797	0.017985	0.022839	0.026384	-0.005316	-0.018692	0.022833	0.008785	0.006116	-0.003825	0.021221	0.013154	0.020032
287	0.00611	0.017239	0.023118	0.025084	0.025167	-0.007611	-0.017123	0.017367	-0.00154	-0.004478	-0.003599	0.029721	0.014026	0.01465

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
288	0.002983	-0.028454	-0.001628	0.020679	0.028389	0.005272	0.004831	-0.008687	-0.001178	0.016461	0.007726	0.005061	-0.02139	-0.031618
289	-0.008425	-0.03286	0.022286	0.013146	-0.003497	0.007726	0.018656	-0.013837	-0.006722	0.014558	0.015796	-0.000773	-0.030241	-0.030699
290	0.002853	0.010428	-0.019567	-0.004495	0.012981	-0.011041	0.009689	0.003413	-0.01056	-0.005457	0.003246	-0.001822	-0.004845	-0.00965
291	0.003785	0.010834	-0.020293	-0.004035	0.013856	-0.011946	0.010649	0.003856	-0.012717	-0.002139	0.003996	-0.002724	-0.006602	-0.010131
292	-0.000902	0.017398	-0.018493	-0.013117	0.005808	-0.01878	0.006123	0.000838	-0.01977	0.003594	0.006465	-0.005703	-0.008707	-0.00923
293	-0.000797	-0.038181	0.001001	0.003132	-0.005308	-0.007452	0.002508	-0.015373	0.00613	0.007355	0.005116	-0.01346	-0.012797	-0.002434
294	-0.006313	-0.00462	0.009461	0.00618	-0.005683	0.013063	0.012728	-0.002954	-0.003016	0.007761	0.020572	0.004534	-0.000774	-0.004043
295	0.001281	-0.007983	0.018267	0.002729	-0.006789	0.004383	0.017877	-0.006313	0.007573	0.007876	0.006926	-0.000798	-0.013818	-0.003675
296	0.000466	0.014901	0.032753	0.027942	0.016492	0.00712	0.024921	-0.00748	-0.007741	-0.00141	0.014584	0.004081	-0.0199	-0.019982
297	0.002617	-0.009452	0.016635	0.005004	-0.005776	0.005372	0.006518	-0.009132	0.012728	-0.000274	-0.005143	0.003134	-0.007966	0.001176
298	0.016376	-0.007138	-0.021391	-0.013776	0.003332	0.022959	0.015121	0.01264	0.007815	0.000155	-0.003322	-0.000032	-0.001016	-0.004777
299	0.012115	-0.017287	-0.004764	-0.005257	-0.010987	0.002835	0.008794	0.006584	0.006051	0.000909	0.004926	0.011237	0.001044	0.006376
300	0.001017	0.01407	-0.024324	-0.029416	-0.004973	-0.023802	0.00106	0.019406	-0.002611	0.033828	0.03505	-0.005594	-0.001013	0.00732
301	-0.007991	-0.014015	0.003638	-0.011807	-0.016456	0.009541	0.017329	0.004361	0.014507	0.004482	0.01685	0.004768	0.00119	0.001127
302	0.001756	0.008426	0.018011	-0.004635	-0.016659	0.006642	0.019009	0.010528	0.004818	0.019005	0.024592	-0.002397	-0.008965	-0.002913
303	0.008971	0.014379	-0.010437	-0.007662	-0.00814	0.009406	0.014785	0.009061	-0.02706	0.00344	0.011816	0.021815	0.008448	0.014469
304	0.006724	0.010767	-0.020984	-0.011524	-0.004665	0.000214	0.01098	0.017363	-0.011923	0.009735	0.019138	0.025342	0.014026	0.00846
305	0.003398	0.00544	0.003725	0.004373	-0.007653	0.02637	0.010744	0.011518	0.014455	-0.002394	0.01715	-0.005302	0.004906	0.01854
306	0.003539	-0.018255	-0.012177	0.013822	0.01529	-0.018126	0.010691	0.003162	-0.000575	0.023265	0.017377	-0.020724	-0.032427	-0.024138
307	-0.013854	0.011684	-0.00993	0.004892	0.021738	-0.006967	-0.007834	-0.020808	-0.030013	-0.013317	-0.02291	0.026852	0.032605	0.022282
308	-0.006852	0.031549	-0.017149	-0.016697	-0.002516	0.01289	-0.011579	-0.01404	-0.022813	-0.012331	-0.002237	-0.011856	0.010099	0.022747
309	-0.015743	-0.004285	0.00195	-0.002916	-0.001535	0.00176	0.015172	-0.00395	-0.00942	-0.005713	0.019219	0.013603	0.006602	0.00663
310	-0.008272	0.003709	0.017235	0.005057	0.001016	0.005054	0.018373	0.00477	-0.022826	-0.023901	0.000581	0.01815	0.000781	0.007456
311	-0.008801	-0.009769	-0.001592	0.004637	0.003097	0.005072	-0.008911	-0.010151	-0.012037	-0.0034	0.010582	0.01415	0.002987	0.000231
312	-0.042806	0.037739	0.009654	0.012572	0.00859	0.005313	-0.000578	-0.033401	-0.042372	0.0043	-0.003788	-0.009577	0.008026	0.005298
313	-0.006485	0.012959	-0.009925	-0.000792	0.014968	0.013677	0.002452	0.011439	0.007708	0.00779	0.015041	-0.00128	0.000368	-0.002533
314	-0.004378	-0.001719	-0.024019	-0.000942	0.000301	-0.009816	-0.01747	0.004497	0.003784	-0.006764	-0.02051	0.008395	0.011941	0.005455
315	-0.002132	0.007835	-0.012332	0.00943	0.018749	0.001036	-0.001218	-0.005023	-0.00858	0.001059	0.01038	0.000104	0.004739	0.017007
316	0.013203	0.021421	-0.025307	-0.009476	0.01493	0.017957	0.023684	0.014336	-0.023288	-0.011001	0.035424	-0.005261	0.00379	0.005938
317	-0.018852	-0.005068	0.009592	0.00374	0.002043	0.00585	0.024321	-0.000578	0.005043	0.009335	0.015923	0.00213	-0.002312	0.001283
318	-0.008098	-0.009714	-0.02406	-0.002246	0.012645	0.013462	0.014818	-0.009908	0.013631	-0.006311	0.002115	-0.001173	0.00853	0.006067
319	-0.016212	0.002831	-0.001967	0.010602	0.020524	0.005156	0.000996	-0.002529	-0.008994	-0.003668	0.006709	0.011206	0.009064	0.0126
320	-0.024996	0.013049	0.014688	0.007648	-0.001794	0.010533	-0.012222	0.009693	0.001627	0.025428	0.007958	-0.010377	-0.015367	-0.015114
321	0.004388	0.002454	-0.006494	0.018637	0.014354	-0.004351	-0.013867	-0.002348	0.005804	0.010306	0.005748	0.00015	0.006276	0.007324
322	-0.047173	-0.004919	-0.013631	-0.044601	-0.045176	-0.016462	0.005608	-0.000102	-0.011859	0.005476	0.014454	0.006986	0.018699	0.016912
323	-0.021687	-0.002937	-0.020894	-0.002301	0.002718	0.007462	-0.010366	-0.000867	0.001291	0.010289	0.009953	0.0005	0.018311	0.020485
324	0.036739	-0.010654	0.016375	0.012236	-0.005218	-0.001189	0.004347	0.010981	-0.001588	-0.000458	0.017506	-0.00424	-0.0171	-0.026582
325	-0.002388	0.002922	0.01162	0.010477	0.012673	0.008991	0.00944	-0.005459	-0.011362	0.005389	0.021969	0.006914	-0.002377	-0.007132
326	0.032066	-0.009138	0.009539	0.003076	0.007347	-0.00428	-0.002576	0.002568	-0.020943	0.008767	-0.004466	0.012598	-0.008513	-0.023269
327	-0.01423	0.005683	0.00183	-0.001514	0.000733	0.011075	0.00956	-0.008651	-0.017684	0.015522	0.018847	-0.002893	-0.006196	-0.001389
328	0.015015	-0.000784	-0.009959	0.015303	0.014762	0.006067	-0.014827	0.025042	0.028646	0.015799	0.002934	-0.009412	0.002631	-0.005181

	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO
329	-0.007152	0.010025	0.011065	0.000605	-0.002762	-0.00028	0.000847	0.004208	-0.004219	0.004717	0.007253	-0.002079	-0.006209	-0.002024
330	0.004347	-0.015766	-0.005064	0.001445	-0.010558	-0.004742	-0.018558	0.009797	0.008793	0.023738	-0.02357	-0.01619	-0.004548	0.00039
331	-0.002509	0.0032	-0.005155	-0.000406	0.001516	-0.000183	-0.001736	-0.008221	-0.029195	0.009522	0.011924	0.003721	-0.000664	-0.000203
332	0.017804	-0.018838	-0.014767	-0.002943	0.006443	0.004474	-0.027178	0.010298	0.003245	0.008818	-0.019657	-0.004998	-0.004894	-0.012659
333	-0.002455	-0.003745	0.003032	0.000619	0.00672	-0.000674	0.005574	-0.001642	0.0027	0.003789	0.010517	0.003618	0.004631	-0.002759
334	-0.023768	0.035391	0.028033	0.005556	0.009259	-0.007123	-0.007408	-0.011579	0.012723	-0.002057	-0.016639	-0.030107	-0.014677	-0.006735
335	-0.014519	-0.001535	0.00002	0.002508	0.012524	0.005809	-0.013818	0.002054	-0.018631	-0.000106	0.008455	0.014186	0.01434	-0.002619
336	0.010134	-0.016627	-0.028472	-0.023812	-0.00816	0.002377	0.012117	0.000208	-0.007035	0.010534	0.012431	0.003086	-0.005039	-0.002439
337	0.002081	0.02285	-0.003035	0.011427	0.025176	-0.01273	0.016699	0.028851	0.006357	0.002109	0.002357	-0.004259	0.005911	0.012401
338	0.001358	-0.026261	0.002218	0.001769	0.001795	0.010709	-0.006906	-0.018718	0.002027	-0.021724	-0.021401	0.007654	-0.010592	-0.016535
339	-0.024915	0.001842	-0.01353	-0.004991	-0.006379	-0.017564	-0.00793	-0.003286	0.007521	0.025228	0.00584	0.007011	0.016506	0.014367
340	0.039099	0.022138	-0.029805	0.011673	0.031705	0.028069	0.008161	0.005765	-0.022645	-0.020434	-0.027967	-0.012162	-0.011408	0.000643

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
1	-0.041388	-0.027931	-0.028489	-0.029962	-0.036733	0.03974	0.063666	0.065577	0.005403	-0.011551	-0.018524	-0.003096	-0.028831	-0.007226
2	0.028419	0.021177	0.02151	0.032442	0.050263	-0.000348	0.010936	0.014471	-0.02288	0.042198	-0.01894	-0.0155	-0.004416	0.00456
3	0.004524	-0.026217	-0.038209	0.00028	-0.057596	0.039585	0.037244	0.085568	-0.07125	0.016138	-0.014125	-0.036447	-0.006666	0.001841
4	0.018843	-0.01401	0.008219	0.063363	0.085106	0.052298	0.00789	0.064575	-0.030436	0.040129	0.047704	0.022681	-0.037267	-0.006626
5	-0.04662	-0.022799	0.037353	0.038486	-0.005937	-0.010976	0.02908	-0.003533	-0.049015	-0.016644	-0.044154	-0.010067	0.012317	0.000675
6	0.009889	-0.027448	-0.00647	0.080342	0.085276	-0.047854	-0.042342	-0.061588	0.011267	0.1016	-0.010875	0.059802	0.077557	0.100069
7	0.044829	0.031234	0.012779	-0.022588	0.038746	-0.00107	-0.038893	-0.092497	-0.054985	-0.067605	0.003147	-0.029907	-0.067836	-0.039918
8	-0.004672	-0.013494	-0.012283	-0.075451	-0.046609	0.009789	0.035105	0.04643	0.028061	0.02288	-0.006876	-0.050861	-0.068028	-0.023234
9	0.030231	-0.039623	-0.009352	-0.002282	-0.021	0.001388	0.001625	0.031158	0.011107	0.049529	-0.004923	-0.047935	-0.032454	-0.0165
10	-0.047751	-0.045792	-0.038763	-0.012947	0.087459	-0.032238	-0.031115	0.07137	0.024326	-0.002465	-0.047455	-0.037987	0.003965	0.040267
11	0.037611	0.008123	0.048746	-0.030575	-0.012909	-0.018211	-0.018393	-0.05607	0.040803	0.023724	0.017516	0.031016	0.014066	-0.005607
12	0.065771	-0.009277	0.008632	0.02256	0.001644	-0.004335	-0.066119	-0.152757	-0.011361	-0.006406	0.049711	0.033294	0.018904	-0.00385
13	0.025273	-0.008342	-0.002095	-0.005214	0.070065	0.036043	-0.024412	0.030416	0.015328	0.05063	0.039001	-0.017312	-0.02706	-0.029049
14	0.056009	0.071166	0.064168	0.029772	-0.018687	0.023619	0.071208	0.050842	0.027986	-0.069963	0.027018	0.043079	0.02467	-0.022194
15	0.008336	0.040983	0.01758	-0.030266	-0.005508	0.051473	0.024119	-0.008537	0.014983	-0.031666	0.006448	-0.023291	-0.058282	-0.025154
16	-0.029711	0.055366	0.02935	-0.031401	-0.030382	-0.029335	0.02104	0.046792	0.06195	0.046434	-0.030789	-0.013205	-0.016626	-0.006887
17	0.038498	0.022409	0.00039	-0.030548	0.042627	0.009946	0.030672	-0.055147	-0.023364	-0.038177	0.027223	0.036119	0.00002	0.038893
18	-0.033217	-0.063987	-0.046139	-0.009077	-0.000352	0.000458	-0.02822	-0.058341	-0.054605	-0.03904	0.016891	-0.031961	-0.014787	0.019866
19	0.034191	0.001285	0.019286	0.031514	0.082315	0.022048	0.050562	0.020292	-0.008514	-0.006159	0.050054	0.036982	0.016223	-0.008075
20	0.031568	0.005878	0.057046	0.050769	-0.049597	-0.01113	0.004573	-0.02864	-0.052414	-0.053762	0.033623	0.056541	0.098338	0.102771
21	0.019124	0.008678	0.030125	0.000529	-0.060712	0.013374	-0.001572	0.052783	0.029189	-0.014677	0.035057	0.022806	0.049959	-0.000012
22	-0.022309	0.012529	-0.005958	0.009015	0.000112	-0.063988	-0.028369	-0.00005	0.044753	0.031411	-0.026402	-0.000558	-0.001781	-0.002203
23	-0.028315	-0.075667	-0.085495	-0.092093	-0.075155	-0.053988	-0.089159	-0.106932	-0.048924	-0.04234	-0.030901	-0.075101	-0.05408	-0.019414
24	-0.065948	-0.073332	-0.053219	-0.066761	-0.021616	-0.001043	-0.009395	0.023281	0.021808	0.058455	-0.046717	-0.075959	-0.049657	-0.044054
25	-0.118047	-0.028371	0.041211	0.01071	-0.089435	-0.052258	-0.015058	-0.058174	0.010251	0.047876	-0.046201	0.007428	0.056202	0.022396
26	0.004634	-0.042549	-0.091731	0.019009	0.108957	-0.038403	-0.085613	0.020625	0.015765	0.039594	-0.02253	-0.001737	-0.055299	0.014624
27	0.009979	0.039287	0.017152	-0.044828	-0.000083	0.026694	0.038684	-0.053278	0.00842	0.010644	0.030785	-0.028844	0.010819	-0.057719
28	-0.029086	0.025727	0.04071	-0.014509	-0.021078	-0.010905	0.007251	-0.062587	-0.082435	-0.000882	0.038656	0.015343	0.05344	-0.026711
29	-0.006078	-0.021083	-0.022338	-0.005413	-0.008256	-0.001844	-0.01832	-0.011069	0.002455	-0.000237	-0.002799	0.004905	0.010468	0.001363
30	-0.164843	-0.077188	-0.072809	-0.033436	-0.006745	-0.074007	-0.048036	-0.043283	0.045632	0.021276	-0.144036	-0.07198	-0.030504	0.022442
31	-0.007603	-0.028466	-0.033572	-0.043933	0.043953	-0.013473	-0.004266	0.058008	-0.005501	-0.043484	-0.059397	-0.059898	-0.057076	-0.051976
32	0.077806	0.029479	0.060802	0.049079	0.050203	0.029304	0.018864	-0.052188	0.016103	0.019626	0.133693	0.103533	0.079374	0.009781
33	0.00002	0.006315	-0.006913	0.029544	0.051496	-0.010792	-0.018825	-0.000409	0.069423	0.072131	0.00369	-0.007959	0.042343	0.095675
34	0.048518	0.053039	0.109618	0.065358	0.000068	-0.032629	-0.012077	-0.025991	0.049462	0.034297	0.020143	0.049739	0.063552	0.036094
35	-0.045928	-0.064994	-0.068477	0.1314	0.030046	0.004809	0.025378	0.040655	0.029522	-0.036517	-0.050122	0.069786	0.007888	0.041232
36	0.105433	0.003721	0.0395	-0.036747	-0.01662	0.030787	-0.001117	-0.073175	-0.044379	0.02263	0.036698	-0.008468	-0.018353	-0.019169
37	-0.008296	0.01116	0.035	0.099719	-0.033273	-0.003392	0.01622	0.018249	0.067448	-0.016272	0.02417	0.090797	0.032281	-0.014506
38	0.004765	-0.002333	0.036911	0.097706	0.04288	0.021655	0.023733	0.095451	-0.029228	-0.054884	0.008572	0.095955	0.056254	-0.004717
39	-0.006826	-0.034235	-0.02797	-0.018349	0.020502	-0.075295	-0.008224	0.053227	-0.021311	-0.059551	-0.008872	-0.09539	-0.063413	-0.009984
40	0.019524	-0.020468	-0.001509	-0.008288	0.005556	-0.010408	0.000635	0.021228	-0.001061	0.008801	0.006248	-0.014703	-0.010453	-0.001267
41	-0.023512	0.058018	-0.010444	-0.053593	-0.021398	0.127429	0.063328	-0.057248	0.015347	-0.004292	0.039239	-0.019569	-0.039648	0.010095

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
42	0.000262	0.00587	0.020051	0.053655	0.042645	-0.018156	0.019443	0.0965	-0.005345	-0.036127	-0.018537	-0.043703	-0.010914	-0.026115
43	0.007291	0.065857	0.05022	-0.012286	0.009795	-0.003181	0.036754	0.063157	-0.015614	-0.045105	-0.026117	-0.029688	0.025348	-0.040755
44	0.053142	0.008209	-0.012894	0.002672	0.013288	-0.079776	-0.04716	-0.012634	0.011199	-0.026746	-0.006277	-0.0233	-0.036392	0.011058
45	-0.128466	-0.029138	-0.018194	-0.020106	-0.054923	0.057602	0.113973	0.011348	-0.067624	0.003235	-0.074303	-0.02903	-0.016801	-0.039289
46	-0.008653	-0.066988	-0.021486	-0.066616	0.052442	0.017239	-0.011488	0.011904	-0.008776	0.015441	0.028421	-0.001154	-0.028558	-0.038896
47	-0.058246	0.023916	0.042895	0.057907	0.014025	-0.007169	0.011387	-0.064234	0.03847	0.0051	-0.022246	0.024936	0.048353	0.049307
48	-0.058173	0.057763	0.003301	-0.124815	-0.030386	0.011055	-0.011557	-0.118651	0.024325	0.002747	-0.025529	0.009959	-0.002463	-0.021074
49	0.037847	0.019768	0.021763	0.052294	-0.019547	0.003652	-0.027026	-0.024873	0.003341	-0.013758	0.036934	0.125074	0.031319	0.031124
50	0.020802	0.041837	0.043728	0.036638	0.024633	0.08119	0.033687	0.041076	-0.091885	-0.069951	0.018469	0.051528	0.047672	-0.002192
51	-0.023296	-0.016804	0.009517	-0.013391	0.053093	0.006227	0.010159	-0.024327	-0.00501	0.062323	0.002281	-0.010048	-0.013653	-0.011828
52	0.040397	-0.010169	-0.01737	-0.0422	-0.000953	0.017716	0.01415	0.010909	0.04214	-0.03574	-0.010336	-0.046553	-0.027927	0.019333
53	-0.054671	-0.01457	0.006744	-0.008776	0.034699	-0.025311	0.015595	-0.026431	0.021542	0.006443	-0.034273	-0.049009	-0.026701	0.005624
54	0.003083	0.032884	0.053671	0.053781	-0.019797	0.035014	-0.008069	-0.024475	-0.009736	0.011831	0.048235	0.119088	0.089811	0.035994
55	-0.08683	0.056038	0.064773	-0.050375	0.007601	-0.011448	0.014021	-0.058454	-0.094109	-0.090507	0.030534	0.075646	0.016275	-0.010383
56	-0.044615	-0.00488	-0.091079	-0.000178	0.024072	0.037546	-0.039891	-0.062339	-0.021915	-0.027558	0.036175	0.126464	0.050859	-0.009204
57	-0.088315	0.024595	0.040498	-0.062753	-0.041259	-0.00773	-0.038529	-0.147091	0.011398	0.009105	0.011053	-0.024673	-0.087874	-0.045305
58	-0.08918	-0.125459	-0.095404	-0.092831	-0.031604	-0.031868	0.003751	-0.003985	-0.010562	-0.031516	-0.050685	-0.082767	-0.137407	-0.008751
59	0.072421	-0.04642	-0.076678	-0.024324	-0.036916	-0.017453	-0.042246	0.039821	0.052949	0.032755	0.004407	0.009242	0.05098	0.02779
60	-0.014754	-0.014344	0.001232	0.020203	-0.006035	-0.007855	-0.013592	-0.025145	0.001487	-0.005448	-0.002765	0.021804	0.012025	-0.011748
61	-0.008882	-0.0183	-0.008943	0.000434	0.015085	-0.003321	-0.00235	0.029495	0.00046	-0.004348	-0.005831	0.001604	-0.007671	-0.008662
62	0.028595	0.00102	-0.016322	0.016831	0.014871	-0.000629	-0.029389	-0.039331	0.017584	0.011593	0.012065	0.005432	-0.006286	0.004938
63	-0.00226	-0.002883	-0.012216	-0.006459	0.015132	-0.009522	-0.021458	-0.01851	0.00321	0.003244	0.01045	0.001795	-0.013579	0.000701
64	0.00225	0.008732	0.010722	-0.006476	-0.029065	0.00334	-0.000584	-0.02918	-0.000197	-0.020704	0.001737	-0.013433	-0.016377	0.000406
65	-0.004121	-0.030387	-0.042225	-0.025875	0.002661	-0.030342	-0.068642	-0.046962	-0.017156	0.00064	-0.012387	-0.00489	-0.012797	0.006247
66	-0.016793	-0.057941	-0.054008	-0.027144	0.01872	-0.030714	-0.048643	-0.027074	-0.001542	-0.003578	-0.001449	-0.011593	-0.035231	0.000144
67	-0.042253	-0.02704	-0.007671	0.015351	-0.001829	-0.045344	-0.026563	-0.002246	0.014437	0.011323	-0.037595	-0.006155	0.005845	0.025774
68	-0.031943	-0.031435	-0.045602	-0.023915	0.007613	-0.027712	-0.035222	-0.025213	0.004603	-0.002939	-0.029332	-0.047663	-0.058792	0.006092
69	-0.035957	-0.005052	-0.022987	-0.018469	-0.018199	0.002772	0.019324	-0.010599	-0.005589	-0.001864	-0.031486	-0.019886	-0.021645	0.006384
70	0.007273	-0.016274	-0.023122	0.003104	-0.018179	0.008152	-0.001494	0.002519	0.008864	0.00383	0.003726	0.022647	-0.005171	0.000623
71	-0.010219	-0.012354	-0.02197	-0.013183	-0.016101	0.013061	0.002093	-0.007711	-0.008123	0.015718	-0.010717	-0.011484	-0.01561	-0.007564
72	-0.004005	0.002196	-0.006279	-0.014465	-0.036701	0.017973	0.008059	-0.028758	-0.020232	0.003952	-0.006884	-0.010276	-0.016805	-0.010341
73	0.03802	0.002455	-0.017591	-0.002635	-0.008982	0.022632	0.012339	0.019555	0.020085	-0.011466	0.009201	0.016117	-0.009505	0.014912
74	0.020042	-0.00628	-0.015251	0.001011	0.01685	0.014619	-0.017139	0.002279	-0.003605	-0.00577	0.011694	0.008682	-0.007105	-0.014679
75	-0.008958	-0.008823	-0.016753	-0.012237	-0.000894	0.000639	-0.009555	-0.016318	0.00463	-0.000362	0.001508	0.012095	-0.00494	-0.000417
76	-0.035988	-0.008204	-0.001386	-0.007204	-0.004679	0.007361	0.000041	-0.015759	-0.01693	0.00706	-0.005993	0.012839	-0.001316	-0.011054
77	-0.009744	-0.008042	-0.019953	-0.012885	-0.006152	0.00171	-0.005511	-0.013849	-0.001462	-0.001334	-0.001163	0.010983	-0.004864	-0.003014
78	0.003668	-0.003741	-0.017927	-0.01722	-0.012248	0.001468	-0.005242	-0.009013	0.012555	0.000961	0.003073	0.014648	0.000363	-0.002101
79	-0.006773	-0.011491	-0.005825	-0.000153	0.001459	0.004294	0.001854	-0.006591	0.010398	-0.005057	-0.002079	0.002681	-0.01659	0.005311
80	0.006184	0.009553	0.011876	-0.019221	-0.009115	0.035608	0.007626	-0.002805	-0.006342	-0.00204	0.020095	0.020669	-0.003722	-0.000644
81	0.019616	0.012777	0.009366	-0.000194	-0.018526	-0.030314	-0.008647	0.004059	-0.022566	-0.01627	0.012985	0.008826	0.020862	-0.00054
82	-0.023338	-0.010607	-0.002138	-0.003814	-0.005712	0.007967	0.013529	0.000729	-0.005523	-0.017707	-0.00861	-0.004399	-0.017246	-0.008925

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
83	-0.018951	-0.001936	-0.000812	-0.011978	-0.004341	0.004494	0.010385	0.009283	-0.000724	-0.003037	-0.007757	-0.01401	-0.013325	-0.003077
84	0.007304	-0.001681	-0.003203	-0.006917	-0.008034	0.007826	0.007111	0.013795	-0.009982	0.002458	0.007368	0.004876	0.008955	0.001675
85	-0.001208	0.01727	0.029534	0.014772	-0.011423	-0.000819	0.010495	0.017219	-0.00165	0.000732	0.007359	0.011687	-0.004614	0.000884
86	-0.014395	-0.001669	-0.009339	-0.016169	-0.011732	-0.002048	0.007164	0.001596	-0.001864	0.018254	-0.021102	-0.037595	-0.020489	-0.003424
87	-0.0153	-0.004579	0.005882	-0.004262	-0.00718	0.003489	0.008491	0.024381	0.011724	0.018204	-0.015385	-0.01329	-0.007855	0.001059
88	-0.011974	-0.00194	0.002141	-0.003758	-0.011947	0.000176	0.013262	0.01145	0.000557	-0.014784	-0.004139	0.003919	0.004738	0.001552
89	-0.006041	-0.001724	-0.004838	-0.009993	-0.008522	0.005575	0.00765	0.009583	0.007709	0.003136	-0.00485	-0.00405	0.001029	0.003649
90	-0.007783	-0.004328	-0.012975	-0.009743	0.002556	0.00787	-0.002385	-0.001031	0.000169	0.008093	-0.007618	-0.004383	-0.006664	0.006531
91	0.002134	-0.000838	-0.013901	-0.0256	-0.018272	0.004789	-0.001064	-0.014965	-0.00682	-0.004606	-0.003934	-0.013888	-0.015805	-0.001877
92	0.03044	-0.004559	-0.011766	-0.003677	-0.026639	-0.020163	-0.001813	0.032912	0.013063	0.001931	-0.000758	-0.007083	0.006721	0.001655
93	-0.008095	0.00805	-0.00524	-0.010466	-0.017195	0.010082	-0.009436	-0.031729	0.002871	0.015066	0.007023	0.012469	-0.008799	0.008205
94	0.004671	-0.000236	-0.016344	0.016326	-0.01232	0.005473	0.007179	0.019868	0.007204	-0.016158	-0.010145	-0.006361	-0.022418	-0.008702
95	-0.017562	-0.010692	-0.011717	0.016962	0.01552	0.00653	0.030676	0.020224	0.000617	0.001487	-0.008409	-0.014534	-0.021741	0.011813
96	-0.002571	-0.023685	-0.00672	0.001739	-0.017966	0.016371	0.00657	-0.023216	0.011077	0.007436	0.003729	0.020389	-0.003308	-0.01571
97	0.01341	0.014782	0.019443	0.00777	-0.017605	0.00328	-0.007744	-0.024361	-0.017825	-0.037896	0.016636	0.018696	0.006926	0.010129
98	0.007954	-0.002983	0.007143	-0.002021	-0.010565	0.005354	0.00112	-0.001883	-0.01168	-0.007629	-0.003756	-0.0219	-0.012122	-0.006225
99	0.005685	-0.005309	-0.002318	0.006845	0.000694	0.005181	0.002211	-0.004323	-0.03209	-0.028865	0.002237	0.009062	0.002557	0.005037
100	0.009877	-0.003457	0.004529	-0.014637	0.005527	0.005349	0.003519	0.0039	0.005054	0.001693	-0.006569	-0.030974	-0.027824	-0.009305
101	0.016181	0.00249	0.013579	0.016357	-0.009398	0.002704	-0.004636	-0.004682	-0.011654	-0.010072	0.011176	0.006663	-0.005395	0.00277
102	0.034515	0.019383	0.010753	0.007758	0.004923	-0.007217	0.002026	0.008364	0.016272	0.006572	0.00412	0.013516	0.013416	0.00594
103	0.034965	0.011996	0.006477	0.014476	0.024435	-0.042408	-0.008756	0.030038	0.021091	-0.018536	0.000597	-0.015688	-0.016278	0.004776
104	0.023718	-0.005307	-0.017503	-0.006808	0.019065	-0.001078	-0.023614	-0.025567	-0.012267	-0.013461	0.007923	0.033551	0.012335	0.010128
105	0.028807	-0.0221	-0.022977	-0.028663	-0.018826	0.016764	-0.015721	0.011123	0.016497	0.016546	0.018148	0.003445	-0.005386	-0.017536
106	-0.00286	0.022633	0.007934	-0.017331	0.00141	-0.005545	0.014934	-0.000782	0.009722	-0.014056	-0.00909	-0.035507	-0.007405	-0.014515
107	0.004918	0.016524	0.02201	-0.001608	-0.012313	0.010485	0.017235	-0.0099	-0.024987	-0.019377	0.028018	0.037377	0.024083	-0.007527
108	0.017064	0.008997	0.024875	0.005213	-0.019533	0.021619	0.015962	0.012903	-0.009342	0.000627	0.020302	0.014166	0.007119	-0.015379
109	-0.004648	-0.010078	-0.048135	-0.007706	0.043837	0.021858	0.023812	0.0148	0.02036	0.019978	-0.01133	-0.015263	-0.044647	-0.005806
110	-0.002897	-0.00302	0.022555	0.00065	0.025471	0.008983	0.02761	-0.001756	-0.050213	-0.030422	0.011656	-0.009032	-0.017445	-0.002543
111	0.01696	-0.007609	0.015372	0.00434	-0.004256	0.009856	0.025767	0.03359	-0.010128	-0.023616	0.014404	-0.005953	0.003307	-0.014047
112	0.003871	0.012959	0.00114	-0.005667	-0.026339	0.017077	0.025411	0.016669	-0.019927	0.021752	0.004213	-0.009162	0.016098	-0.003354
113	0.017909	0.004018	-0.022092	-0.004447	0.012082	0.028174	0.023853	0.012563	0.000626	-0.03029	0.006606	-0.013324	-0.032778	-0.030144
114	0.021781	0.011404	-0.016681	-0.012036	0.044215	0.02732	0.011274	0.021912	0.007974	0.019694	-0.008255	-0.01108	-0.03	-0.009837
115	0.036633	-0.023582	-0.001134	0.02104	0.006221	-0.01377	-0.016908	-0.015326	-0.034185	-0.006651	0.030741	0.012891	-0.001404	-0.002634
116	-0.048246	-0.01326	-0.0247	-0.015307	-0.010148	0.001847	0.000289	0.017369	0.010846	0.002407	-0.021957	-0.019615	-0.022349	0.016711
117	-0.003188	-0.050725	-0.050907	-0.034907	0.018248	-0.002593	-0.010412	0.027672	-0.014072	0.008607	-0.007812	-0.028668	-0.022631	-0.010287
118	0.040323	-0.018396	-0.007324	0.043034	0.001905	0.020029	-0.02126	0.00054	0.01294	0.021809	0.025081	0.055576	0.018518	0.024892
119	-0.012763	0.005906	-0.002805	-0.01817	-0.012128	0.012129	0.012478	-0.017921	-0.012612	0.006867	-0.002965	-0.012447	-0.016232	-0.000915
120	0.033596	-0.004259	-0.013117	-0.028966	0.000951	-0.004827	-0.012386	0.010926	0.018238	-0.000485	0.007903	-0.018042	-0.008814	0.008485
121	-0.003154	-0.011085	-0.054123	-0.02249	0.019561	0.011999	-0.012173	0.005397	0.001976	-0.019473	-0.021334	-0.037532	-0.033279	0.007069
122	0.008795	-0.005617	0.004227	-0.002641	-0.008287	0.017188	0.027116	0.035767	-0.001871	0.005932	0.019651	0.005956	0.005169	-0.004551
123	0.007547	-0.010083	-0.003208	-0.009979	0.002865	0.009701	0.016451	0.036045	-0.002362	0.007484	0.013882	-0.007456	-0.019003	-0.009029

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
124	0.01349	0.011713	0.01113	-0.006757	-0.000771	0.009072	0.00647	-0.000409	-0.007848	0.01182	0.015743	-0.008675	-0.002273	-0.001827
125	0.006787	0.005113	0.01701	0.008581	-0.008646	0.012216	0.000181	-0.019508	-0.030235	-0.009681	0.014801	0.00161	0.00635	-0.016363
126	-0.016333	-0.028541	-0.039956	0.020509	0.017203	-0.000758	-0.007753	0.038205	0.010978	0.011831	-0.020428	0.022684	0.022245	0.012722
127	-0.050539	-0.023963	-0.021342	0.009885	-0.008661	-0.020143	0.003894	0.030209	-0.00512	0.001741	-0.052772	-0.02245	0.000423	0.006507
128	-0.001572	-0.000761	-0.005768	-0.019403	0.003253	0.015088	-0.006352	-0.021805	-0.012467	0.002333	0.005261	0.007281	-0.00349	-0.014007
129	-0.00885	0.000118	0.003819	0.024727	-0.013716	-0.025865	0.000188	0.030286	0.022231	0.001354	-0.008331	-0.021348	0.012882	0.021927
130	-0.002391	0.002266	-0.007756	0.017723	0.001906	-0.016327	-0.026126	-0.033233	0.014176	0.00113	0.008921	0.019436	0.011241	0.017869
131	-0.038102	0.00387	0.017287	0.007654	-0.036193	-0.000102	0.000224	-0.037428	0.00624	-0.021773	0.018037	0.032858	0.004754	0.0188
132	0.007777	-0.009154	0.001749	-0.018078	-0.015934	0.008253	0.013833	-0.005649	-0.009322	-0.002191	0.000842	-0.012449	-0.004367	0.000669
133	0.021359	0.009676	0.001876	0.01697	0.029226	0.001854	-0.013087	-0.023692	-0.015819	-0.02497	0.002081	-0.011522	-0.016088	0.009851
134	-0.037129	0.010395	0.017153	0.030291	-0.012297	0.006048	0.002971	0.027014	0.006573	0.018598	0.00979	0.067489	0.019126	-0.009396
135	0.002705	0.012506	0.002503	-0.005445	0.002869	0.014096	0.002406	-0.006221	0.016481	0.006584	0.001272	0.008959	0.011403	-0.001338
136	0.002682	-0.010213	0.016688	0.010126	0.026657	-0.004228	0.004014	0.01184	0.013195	0.00638	-0.007094	-0.029647	-0.028915	0.001798
137	0.001957	0.010278	0.005191	-0.00132	-0.006796	0.004055	-0.009021	-0.003009	0.000957	-0.004938	-0.002422	-0.011811	-0.01508	-0.017968
138	-0.049628	0.012799	0.006467	0.004306	-0.022627	0.022387	0.000725	-0.034058	0.004487	0.009231	-0.00093	0.017956	0.024766	0.014665
139	0.023185	0.009904	0.003832	0.018832	0.008339	-0.004331	0.010992	0.04096	0.01098	-0.020207	-0.023404	0.018054	-0.012395	-0.015495
140	-0.041354	-0.001932	-0.005105	-0.028534	-0.021161	0.03119	0.009018	-0.043693	-0.047281	-0.018805	-0.004689	0.000303	0.005286	0.007824
141	-0.013743	0.003471	0.006767	0.011993	0.001366	0.002911	0.018359	0.030708	0.005681	0.006913	-0.008162	0.013518	0.028163	0.001063
142	0.029141	0.010042	0.00407	0.009445	0.039261	-0.008413	-0.009207	0.038091	0.016324	0.024485	0.012732	0.001857	0.00553	0.010842
143	0.009503	0.02398	0.024718	-0.017347	-0.013632	0.014731	0.010344	-0.017085	-0.010871	-0.001625	0.024872	0.017746	0.006296	-0.009618
144	-0.020484	0.011773	0.014836	0.006935	0.017217	-0.00038	0.011426	-0.003657	0.014081	0.007622	0.00382	0.009439	0.006767	0.004985
145	0.024977	0.011317	0.007873	0.014958	0.025702	0.029626	0.0138	0.000971	-0.002071	-0.007962	0.007899	0.00516	-0.033162	-0.002416
146	-0.011638	0.005308	0.000611	-0.006355	0.001711	0.000521	-0.004293	0.004924	0.005087	-0.007238	-0.007663	0.005618	0.012912	0.006639
147	-0.038752	-0.003307	-0.019334	-0.036411	0.027436	-0.008606	-0.0254	0.005453	0.004633	0.002825	-0.011138	0.027038	0.011558	0.001771
148	-0.042947	-0.01306	0.00585	0.009821	0.034731	-0.017555	-0.006732	0.003479	0.033508	0.015775	-0.011935	0.008077	-0.002134	0.003855
149	0.018104	0.001678	0.00421	0.014692	0.004179	0.001848	0.00544	0.003746	-0.009158	-0.024375	0.012386	0.021066	-0.004354	-0.00763
150	0.028652	0.017315	0.007398	-0.006168	-0.009449	0.008926	-0.009894	0.021467	0.008081	0.000756	0.008821	-0.018773	-0.00074	0.006411
151	-0.02112	-0.001184	0.0237	0.018796	0.005672	0.01567	0.01759	0.015002	-0.024407	-0.021662	0.015572	0.05825	0.012398	-0.008493
152	-0.040031	-0.004937	-0.00244	-0.001196	-0.007797	-0.025318	0.004485	0.016506	-0.012158	0.005051	-0.033213	-0.026589	-0.002012	0.002626
153	0.007691	-0.005725	0.004572	0.023761	0.030812	-0.037393	-0.028288	0.019941	0.009307	0.025558	-0.002867	0.026431	0.030828	0.018875
154	0.010852	0.010583	0.001476	0.008329	0.022216	-0.001571	-0.020909	-0.003307	0.02083	0.014515	0.016826	0.029693	0.018811	0.01626
155	0.010572	0.012631	0.010544	-0.006254	-0.015629	-0.016382	-0.019606	-0.030216	0.006412	0.005109	-0.009293	-0.008459	0.014531	0.014788
156	-0.029605	0.025243	0.000795	-0.019004	-0.012037	0.01061	-0.005488	-0.020821	-0.006393	-0.022712	-0.000365	0.025531	-0.001541	-0.019021
157	0.012221	0.010204	0.008403	-0.005894	0.008504	0.007858	0.011077	0.007916	-0.018128	-0.019656	0.004982	-0.011157	0.011541	-0.00121
158	-0.005158	0.010773	0.019615	-0.023759	0.005602	0.005481	-0.007285	0.019265	-0.014646	-0.007664	-0.018683	0.000017	0.005692	-0.021636
159	0.035639	0.018175	0.002051	-0.029206	0.003973	0.032684	-0.014393	-0.009914	0.024709	0.026544	0.006929	-0.016409	-0.018724	-0.006246
160	-0.031474	0.013561	-0.00728	0.026226	0.033019	0.02916	-0.002958	-0.018524	-0.043595	-0.013503	0.010675	0.030906	-0.007791	-0.024878
161	-0.035674	-0.001171	-0.001851	-0.015872	-0.000832	-0.014574	-0.001601	0.003681	0.00556	0.013804	-0.016597	0.025076	0.011933	-0.008843
162	-0.022022	0.001741	0.002255	0.027434	-0.001817	0.012828	0.008194	0.01696	0.006531	0.005099	-0.011627	-0.003873	-0.008558	0.014437
163	-0.016736	0.023337	0.019798	0.001073	0.002017	-0.004211	0.009528	0.010999	-0.015401	-0.004332	-0.007916	-0.011285	0.004393	-0.011017
164	0.004863	0.011676	0.013717	0.021821	0.024372	-0.000942	0.005047	0.002454	-0.012234	-0.026754	-0.003638	0.011561	-0.001148	0.001229

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
165	-0.032614	-0.04186	-0.044514	0.028921	0.015933	-0.019033	-0.042127	-0.045765	-0.028138	0.005898	0.007869	0.019909	0.020719	-0.003122
166	0.001821	-0.004295	-0.015182	0.010308	0.030557	0.001215	0.005009	0.008949	0.039402	0.016091	0.005114	-0.03157	-0.021605	-0.010894
167	0.009006	-0.004798	-0.015752	-0.015809	0.013225	0.018403	0.0099	-0.010301	-0.017308	-0.029811	-0.015065	-0.030877	-0.03797	-0.023698
168	0.007875	0.023182	0.034321	0.014638	-0.010871	-0.000533	-0.002017	-0.041339	-0.0032	0.000191	0.018727	0.025386	0.03081	0.017144
169	-0.003	-0.00272	0.001751	0.009682	-0.014921	-0.003242	0.000734	-0.005609	-0.006007	-0.013444	0.002467	0.003385	0.011011	0.011616
170	-0.024206	-0.007694	0.00128	0.025252	-0.015781	-0.016122	-0.010086	-0.017395	-0.000752	0.000837	-0.004636	0.01119	0.016675	0.023203
171	-0.002976	-0.00738	-0.002874	0.012849	-0.01842	-0.002874	0.006479	0.01183	0.005827	-0.002337	-0.001401	0.013111	0.026862	0.015
172	0.017078	0.019243	0.014003	-0.010739	-0.014791	0.000501	-0.004082	-0.017315	-0.009455	-0.011053	0.010523	0.000084	0.007668	-0.009166
173	0.022074	-0.007147	-0.00334	0.029422	0.02435	-0.022398	-0.029847	-0.026135	-0.003386	0.002978	0.000597	0.011309	0.010918	0.009384
174	0.017348	0.018292	0.022502	0.018478	0.002468	-0.007177	-0.006386	-0.057936	0.004099	-0.013638	0.01167	0.025953	0.017779	0.001932
175	-0.001178	-0.017617	0.003707	0.005993	-0.028065	-0.01344	0.013879	0.027208	-0.008286	-0.02618	-0.005746	-0.013093	-0.007846	-0.025577
176	-0.014885	-0.009344	0.006042	-0.021619	-0.020862	-0.005414	0.002752	-0.015801	-0.017045	-0.02679	0.003454	-0.02186	-0.016829	-0.026406
177	0.020212	0.010147	-0.011274	-0.013307	0.019105	0.018917	-0.015812	-0.039363	0.006436	-0.001375	0.009464	0.028463	0.021715	0.019303
178	0.019529	-0.010881	-0.006398	0.001664	0.012108	-0.006856	-0.008442	0.026417	-0.012153	-0.010667	-0.006247	-0.016279	0.00067	-0.007873
179	0.011021	0.003196	0.013215	-0.004263	0.00013	0.007259	0.00186	-0.003769	-0.013837	-0.004508	0.00268	-0.013493	-0.00005	0.003315
180	0.018233	-0.00719	0.002539	0.005818	0.00496	-0.004502	-0.014322	-0.010614	-0.004827	0.000888	0.001646	-0.009236	-0.000226	0.006412
181	0.015143	-0.001625	0.009088	-0.000068	0.00156	-0.002937	-0.006676	-0.009864	-0.012025	-0.000025	0.002071	-0.012733	-0.002929	0.00072
182	0.022912	0.003978	0.012359	-0.001259	0.006931	-0.003381	-0.011066	-0.003486	-0.005507	0.00457	0.00072	-0.014683	-0.00069	0.00686
183	0.010819	0.007028	0.007647	-0.014036	-0.006249	0.018135	0.01173	0.013105	0.003241	0.009058	-0.003494	-0.015761	0.002201	-0.001596
184	-0.00176	0.028777	0.024487	-0.013479	-0.01094	0.021922	0.023111	-0.025712	0.017505	0.009614	0.009221	-0.010806	-0.015323	-0.01917
185	0.022707	0.006555	-0.012888	-0.067484	-0.013735	0.003661	-0.018554	-0.057259	-0.008849	0.013128	0.027717	-0.025051	-0.025543	-0.017751
186	0.018113	0.007336	0.002053	-0.020599	0.003499	-0.025057	-0.015095	-0.05275	0.041745	0.026222	0.024541	0.004375	-0.004066	0.015533
187	0.022653	-0.007299	-0.005691	0.009852	0.028381	-0.016805	-0.032744	-0.024713	0.015786	0.023278	-0.000475	-0.006779	-0.005291	0.017045
188	0.015835	0.011235	0.008782	0.00561	0.009577	-0.007212	-0.023547	-0.057101	0.017267	0.011477	0.00403	0.0088	0.004369	0.012511
189	0.021397	0.018262	0.037478	0.009575	-0.009714	0.008945	0.008271	-0.022008	0.018738	0.001216	0.008179	-0.007788	-0.007686	0.000326
190	-0.005851	0.007582	0.013749	0.001041	-0.008913	0.007228	0.006618	-0.012533	-0.007563	-0.023511	0.001659	-0.00151	-0.027803	-0.024404
191	0.003319	0.01024	0.020433	0.009939	-0.006674	0.004508	0.003901	-0.016905	-0.007039	-0.009313	0.011871	0.024811	0.014909	0.007374
192	-0.044024	0.012755	0.001368	-0.019453	-0.018669	0.008717	0.0192	0.004536	-0.010151	-0.002014	-0.041585	-0.015561	0.012393	0.018294
193	-0.03631	0.000071	0.012319	-0.018313	-0.000837	-0.03564	-0.005635	-0.025975	0.009139	0.015635	-0.026397	-0.021063	-0.005894	0.000506
194	-0.003188	-0.001329	0.009866	-0.004459	-0.024925	-0.017228	-0.008876	-0.010656	-0.007179	-0.013854	-0.003681	-0.016548	-0.003079	-0.004478
195	0.000661	0.031814	0.029353	-0.033714	0.0025	0.008814	0.013276	-0.022566	-0.018713	-0.015296	0.017261	-0.033442	-0.045556	-0.024031
196	-0.004216	0.01287	0.013754	-0.02602	-0.013991	0.01092	0.0186	-0.013078	-0.015102	-0.025285	0.000653	-0.028455	-0.044635	-0.025072
197	0.00279	0.01151	0.017248	-0.001562	-0.009512	0.016631	0.003282	-0.027522	-0.023754	-0.029124	0.014343	0.02731	-0.007608	-0.011226
198	0.005511	0.03071	0.013064	-0.025472	0.001832	0.01602	-0.002241	0.001125	-0.011992	0.010241	0.029328	-0.009188	0.006974	-0.014575
199	0.010893	-0.004166	0.013751	0.004587	-0.00488	0.004452	0.026376	0.029407	-0.009261	-0.055769	0.018136	-0.014778	-0.006306	-0.012382
200	0.008698	0.024355	0.011812	-0.00401	-0.001298	0.024235	0.016294	0.024254	-0.012043	-0.007068	0.003931	0.004469	0.015137	-0.023033
201	-0.016672	-0.020597	-0.029587	-0.00383	0.01756	0.007904	0.001008	0.020143	-0.001347	0.008261	-0.004206	0.009649	-0.002206	0.011781
202	-0.001394	0.016763	-0.005507	-0.012578	0.004023	0.017497	0.00956	0.015296	-0.007924	-0.003828	0.017723	-0.001299	0.000084	-0.023207
203	-0.005534	0.007714	0.003433	0.002507	-0.013598	0.013163	-0.001612	0.001404	0.000327	-0.002186	-0.018279	-0.018351	-0.01565	-0.008388
204	-0.048722	-0.017491	-0.030807	-0.052874	-0.032042	-0.027406	-0.010394	-0.055607	-0.004572	-0.00172	-0.021329	-0.041634	-0.015586	-0.00581
205	-0.030596	0.015679	0.03609	0.007216	-0.027545	0.036447	0.032623	-0.003187	-0.040663	-0.012364	-0.007593	0.00542	-0.003549	-0.048011

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
206	-0.010428	0.002326	-0.006446	-0.013051	0.016955	-0.008014	0.00548	0.015548	-0.001437	0.00739	-0.019472	-0.02596	-0.046728	-0.03679
207	0.009925	-0.015399	-0.005147	-0.005803	-0.020796	-0.026095	-0.00187	-0.026684	-0.012102	0.012735	-0.014262	-0.024022	0.007936	0.002899
208	-0.043325	0.001347	-0.019861	0.022622	-0.010545	0.002186	0.006424	-0.019202	-0.002299	0.006227	-0.015303	0.00389	-0.009246	0.009885
209	-0.036479	0.008509	-0.005641	-0.013617	0.001799	0.013811	0.008032	0.028186	0.016259	-0.013537	-0.026604	-0.021308	-0.009997	-0.013876
210	0.032698	0.012773	0.022245	-0.034424	0.022678	0.003252	0.008995	0.052446	0.001718	-0.038914	0.007382	-0.018637	0.000887	-0.019612
211	0.029881	0.025566	0.009173	0.004738	0.00494	-0.009835	-0.014039	0.022638	0.019192	-0.02022	0.013063	0.041552	0.03154	-0.00409
212	-0.007409	0.033998	0.012546	-0.007907	-0.007885	-0.009836	-0.020019	-0.039362	-0.015014	-0.025759	0.018803	0.032236	0.001269	-0.014494
213	0.042632	0.009719	0.01323	-0.032543	-0.023926	-0.040583	-0.011528	-0.036649	-0.007963	0.006939	0.001532	-0.029835	-0.009847	-0.00207
214	0.021289	0.004602	0.006135	0.001751	0.001227	0.010335	0.005664	0.009803	0.008202	0.007978	0.003787	-0.015284	0.00165	0.009783
215	0.012274	0.007838	0.028754	-0.015222	-0.02685	0.002701	0.011948	-0.030245	-0.006615	-0.007642	0.029327	0.02095	0.027462	0.003249
216	0.032394	0.004308	0.020634	0.020025	-0.013956	0.001338	0.003532	-0.008758	0.010983	-0.006903	0.023535	0.035353	0.031056	0.013977
217	-0.01904	0.016072	0.005244	-0.03215	-0.022021	0.023791	0.031374	0.0102	-0.003771	-0.022293	0.001299	-0.024649	-0.033853	-0.020052
218	0.003338	0.015447	0.023062	0.012823	-0.007887	0.010523	0.023202	-0.001218	0.021653	0.008137	0.011253	0.022365	0.022292	0.008997
219	0.016738	0.014296	0.006323	0.023679	0.01595	0.008611	0.021347	0.036896	0.021822	0.006336	0.004105	0.011347	0.008997	0.014947
220	-0.002671	0.0083	0.001696	-0.016826	-0.027877	0.007304	-0.010426	-0.041505	-0.002179	-0.018255	0.005783	-0.019256	-0.017571	-0.011691
221	0.023211	-0.003106	-0.017387	0.00282	0.00678	-0.004355	-0.033707	-0.026085	-0.008699	0.0054	0.000601	0.006008	0.010361	0.014872
222	-0.044237	0.010627	0.00562	0.008651	-0.014529	-0.011334	0.011718	0.021449	-0.005073	-0.00865	-0.055718	-0.021475	0.003527	0.004616
223	-0.012639	-0.01386	-0.0005	0.009572	-0.014699	-0.049874	-0.010281	0.01116	0.000263	-0.00032	-0.040119	-0.028312	0.003647	0.009264
224	0.018642	0.00931	-0.00164	-0.001081	-0.018977	0.005999	0.012261	0.016187	-0.000093	-0.045956	0.011586	0.011322	0.010245	-0.017941
225	0.028049	0.009957	-0.010506	-0.00045	-0.023666	0.006975	0.006141	0.019861	-0.001023	-0.045452	0.010333	0.005622	0.010092	-0.009223
226	0.003755	0.002817	0.00349	0.000013	-0.009387	0.021679	0.023798	0.025806	-0.021376	-0.004281	0.010528	-0.003455	-0.001809	0.003768
227	0.020284	-0.017412	-0.008716	-0.004387	0.009711	0.018054	0.005094	0.036987	-0.035967	-0.031258	0.009316	0.005949	0.000188	0.000887
228	-0.026235	0.011478	0.004628	-0.008584	-0.064428	-0.002034	0.029664	0.041261	0.011272	-0.000087	-0.037109	-0.033284	-0.022646	-0.016079
229	0.02338	0.027565	0.026857	-0.00654	-0.042678	0.003333	0.003458	-0.055982	0.019105	0.048808	0.013611	-0.00898	0.005252	0.004432
230	0.039123	0.020458	0.027267	0.015099	0.001055	0.00641	-0.006541	-0.017299	-0.006209	0.013307	0.02778	0.035331	0.039885	-0.003465
231	0.014138	-0.013507	-0.011827	-0.026904	0.013239	-0.008678	-0.008474	0.030557	-0.016177	0.006287	0.005306	-0.019647	-0.037146	-0.025253
232	-0.04356	0.010079	0.011017	-0.037233	-0.057671	0.017925	0.028246	0.002713	-0.007919	-0.008222	0.000538	-0.00655	-0.000278	-0.034614
233	-0.035881	-0.011812	-0.011178	-0.033215	-0.023028	0.004758	0.00893	-0.003995	0.012845	0.019012	-0.010547	0.009019	0.018726	0.006596
234	0.002446	-0.026931	-0.036759	-0.027423	-0.027531	0.007621	-0.001722	0.030107	-0.00375	0.01331	-0.018652	-0.024928	-0.038112	-0.013825
235	-0.019914	-0.009303	-0.037196	-0.041472	-0.028002	-0.001606	0.001498	0.038965	-0.005331	-0.008277	-0.032129	-0.031744	-0.035855	-0.031162
236	-0.007511	0.004505	0.015346	-0.015254	-0.016231	0.00006	0.014865	0.015575	0.001545	-0.018361	0.001787	-0.006514	-0.009365	-0.046181
237	0.002754	0.000482	0.003127	0.022532	0.004012	0.020897	0.015954	0.0163	0.028397	0.01747	0.00675	0.022944	0.004572	0.009825
238	0.00359	0.007074	0.001537	0.021207	0.01817	0.009772	0.013797	0.029863	0.01373	0.016518	0.007978	0.025076	0.000153	0.00557
239	-0.001077	0.010751	0.006274	0.00284	0.025106	-0.007467	0.01956	0.046828	0.006588	0.009926	-0.002634	-0.001039	-0.008727	-0.008304
240	-0.081304	-0.075809	-0.079504	-0.030327	0.006614	-0.019148	-0.020645	-0.01243	-0.000768	0.005521	-0.044232	-0.037544	-0.050883	0.00089
241	-0.058142	-0.046015	-0.053637	-0.056339	-0.032256	-0.003596	-0.00214	-0.031137	0.018675	0.005276	-0.029951	-0.026432	-0.022896	0.003628
242	-0.007833	0.009445	0.005631	-0.040141	-0.041524	-0.003012	0.001073	0.011902	0.014064	-0.000235	-0.015068	-0.015917	-0.015455	-0.04343
243	-0.02793	0.022159	0.005748	-0.044156	-0.061206	-0.016111	0.001626	0.023552	0.030779	-0.004873	-0.032782	-0.023541	-0.023338	-0.022974
244	0.023569	-0.016389	-0.027751	-0.021959	0.014544	-0.02361	-0.053036	-0.019315	0.006834	0.023342	0.006373	-0.001776	0.007913	0.014063
245	0.005967	0.013261	0.004018	-0.037279	0.000202	-0.011164	-0.023368	-0.072155	0.007871	0.002373	0.007137	0.002537	0.012192	-0.002508
246	-0.001303	0.00124	0.016997	0.023847	0.012775	-0.002124	-0.011255	-0.022216	0.012164	0.001293	-0.000269	0.017477	0.010789	-0.002061

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
247	0.009815	0.016224	0.013629	0.005165	0.007978	0.002479	-0.00067	0.003352	0.001179	-0.028501	0.00159	-0.000836	-0.011296	-0.027061
248	-0.007398	0.017104	0.003655	-0.017802	-0.01094	0.009857	0.005661	0.005088	-0.00147	-0.024811	-0.005215	-0.016132	-0.018979	-0.029838
249	0.835621	-0.045343	-0.0446	-0.050762	-0.043387	-0.029389	0.002447	-0.020642	-0.001449	0.003483	-0.089352	-0.057055	-0.042092	-0.008479
250	-0.046619	0.90805	-0.074356	-0.018539	0.003693	-0.03217	-0.030313	0.010048	-0.001499	0.018088	-0.045151	-0.044846	-0.039417	0.007946
251	-0.046192	-0.082754	0.88641	-0.046555	0.007933	-0.019526	-0.036007	0.01031	0.003229	0.010189	-0.053402	-0.059543	-0.060125	0.000422
252	-0.042254	-0.017845	-0.04869	0.855472	-0.046461	-0.000619	-0.007956	-0.040044	-0.009973	-0.002711	-0.035697	-0.10403	-0.089219	-0.048687
253	-0.024911	0.009286	0.013644	-0.042849	0.88672	0.001731	0.014221	-0.023724	0.000414	-0.009721	-0.009667	-0.01557	0.002971	-0.018054
254	-0.019114	-0.030186	-0.016749	-0.001094	0.000998	0.918876	-0.048782	-0.017525	0.020803	0.015249	-0.038869	-0.029741	-0.006463	0.019485
255	0.008317	-0.028373	-0.032978	-0.007749	0.019175	-0.042969	0.921829	-0.057209	0.00723	0.017233	-0.003712	0.003227	-0.002123	0.01844
256	-0.012923	0.017365	0.012547	-0.041825	-0.032827	-0.007631	-0.054153	0.797103	-0.020234	-0.000544	0.023582	0.019953	0.003833	0.004752
257	-0.004255	-0.001579	0.007873	-0.003456	-0.006058	0.026378	0.015627	-0.013225	0.914232	-0.04423	0.012158	0.002741	0.001482	-0.013471
258	0.003136	0.016005	0.011836	-0.004844	-0.017592	0.009244	0.021293	0.006703	-0.038916	0.905665	0.003938	0.00299	-0.007715	-0.018579
259	-0.084829	-0.045875	-0.049305	-0.030239	-0.023543	-0.043535	-0.007684	0.027951	0.017221	0.010617	0.902038	-0.077475	-0.045369	-0.0003
260	-0.049808	-0.050243	-0.05941	-0.091634	-0.025506	-0.035157	-0.006918	0.02555	0.00882	0.015483	-0.084987	0.82788	-0.113258	-0.031151
261	-0.045981	-0.042991	-0.063722	-0.078629	-0.009245	-0.008651	-0.003271	0.006612	-0.00082	-0.009828	-0.058098	-0.11986	0.867694	-0.042943
262	-0.014629	0.00594	-0.002509	-0.045441	-0.01327	0.018203	0.020981	0.020746	-0.017916	-0.019672	-0.00793	-0.044236	-0.055073	0.93249
263	-0.014497	0.011008	-0.000169	-0.04688	-0.027981	0.015056	0.019221	0.02909	-0.017527	-0.018373	-0.016698	-0.037764	-0.034718	-0.056644
264	-0.072858	-0.020317	-0.01035	0.006761	-0.0103	-0.045094	-0.012128	-0.002905	0.024917	0.007234	-0.074304	-0.037462	-0.014791	0.018704
265	-0.049329	-0.010909	0.010427	-0.008768	-0.008151	-0.070341	-0.014813	-0.013623	0.025622	-0.00705	-0.057415	-0.067291	-0.045989	0.008043
266	0.002777	0.004837	0.000043	-0.030188	-0.000701	-0.044462	-0.033547	-0.043292	0.017322	-0.013508	-0.010133	-0.04865	-0.060532	-0.00459
267	0.014895	0.009711	0.037157	0.009742	-0.052795	0.005999	0.018138	-0.029417	0.011449	0.0268	0.028524	0.007336	0.014754	0.006649
268	0.009398	0.000809	0.00784	-0.003462	-0.013751	0.017157	0.020164	0.022408	-0.014769	-0.001163	0.012356	-0.000628	0.007228	0.005661
269	0.013586	-0.001581	-0.001497	-0.005312	-0.016498	0.018079	0.009046	0.009498	-0.014787	0.004374	0.01741	-0.000934	0.007295	0.00912
270	0.006112	-0.011957	-0.0056	-0.002655	0.004105	0.015128	0.006956	0.030517	-0.024387	-0.006474	0.007787	-0.013317	-0.005898	0.002849
271	0.00276	0.004826	0.009585	0.006527	-0.024624	-0.000637	0.010931	0.031683	0.032795	0.023115	0.000164	-0.014035	0.006562	-0.005733
272	0.005326	0.015537	0.012364	0.002162	-0.021887	0.00324	0.012944	-0.019576	0.017712	0.039984	0.000146	-0.019759	-0.01583	-0.002833
273	0.00667	0.008036	0.004652	-0.012814	-0.001306	0.011815	0.013944	0.017015	-0.007326	0.010149	-0.000646	-0.023222	0.000211	-0.013955
274	0.009189	0.005987	0.001823	-0.009962	-0.000887	0.011049	0.010417	0.01504	-0.006992	0.011423	0.000191	-0.022881	-0.000995	-0.010207
275	0.017833	0.005079	0.012436	0.019866	0.036689	0.00404	-0.010235	0.021926	-0.005758	0.006206	0.008972	0.003306	0.010705	-0.01118
276	-0.003743	0.007349	0.0176	-0.017636	-0.029505	0.00329	0.02293	0.006198	0.006092	-0.01527	-0.000394	-0.014017	-0.021126	-0.047011
277	0.010758	0.018066	0.02306	0.017695	0.013412	-0.000429	0.026705	0.045571	0.03102	0.010707	0.002687	0.004021	0.007458	-0.004114
278	0.013361	0.010761	0.011901	0.019852	0.016124	-0.007398	0.022046	0.054539	0.03383	0.019352	-0.000766	-0.000233	0.010876	-0.003978
279	-0.001934	0.009317	0.00188	0.014957	0.034358	-0.009991	0.019264	0.058274	0.020929	0.020711	-0.004932	-0.007573	-0.015867	-0.004157
280	-0.02521	0.025579	0.03121	-0.010534	-0.094551	-0.007699	0.012719	0.001633	0.033562	-0.010635	-0.019778	0.020541	0.026497	-0.001242
281	-0.002368	0.010454	0.012072	0.027131	0.006019	-0.012036	-0.005385	-0.015274	0.026904	-0.020073	-0.007757	0.018058	0.014825	0.003262
282	0.001116	0.010038	0.003877	0.015594	0.009007	-0.014858	-0.009751	-0.010122	0.01146	-0.036615	-0.007502	0.016634	0.021842	-0.003801
283	0.006744	0.012945	-0.007316	-0.004871	0.016367	-0.007057	-0.002388	0.014627	0.021907	-0.013172	-0.010292	-0.023946	-0.031142	-0.028658
284	-0.006232	-0.006368	-0.000584	0.007384	-0.002547	0.018896	0.012362	-0.016053	-0.057298	-0.026396	0.006577	0.004832	0.003667	-0.001779
285	-0.008187	-0.01014	-0.006664	0.000128	-0.001308	0.016505	0.009687	-0.005991	-0.064869	-0.025192	0.00545	0.001443	0.007869	-0.004266
286	0.006589	0.004682	-0.002409	0.00771	-0.004712	0.002861	0.006537	-0.017395	-0.043448	-0.076094	0.007541	0.027157	0.015794	0.019305
287	0.00353	0.005259	-0.006777	0.00021	-0.003569	0.001323	0.002421	-0.007907	-0.03792	-0.069282	0.005405	0.020879	0.014697	0.014567

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
288	0.013984	0.010717	-0.004759	0.001441	-0.013298	0.016364	0.016748	0.012928	-0.00348	-0.07267	0.003566	-0.000591	-0.02153	-0.022298
289	-0.008621	0.00993	0.006735	-0.023132	-0.001541	0.008082	0.0094	0.01666	-0.018745	-0.032321	0.004549	-0.033332	-0.036158	-0.050792
290	0.007889	-0.003468	-0.01833	-0.008456	-0.004568	0.012855	-0.009737	-0.00677	0.01676	-0.003884	0.008428	0.003565	-0.017152	-0.012453
291	0.006723	-0.002846	-0.016812	-0.00766	-0.002918	0.012389	-0.008731	-0.006583	0.015114	-0.006139	0.008154	0.003622	-0.018729	-0.012453
292	0.003721	-0.005129	-0.018802	-0.005798	-0.000459	0.012553	-0.010196	-0.007366	0.011758	-0.000944	0.00888	0.012939	-0.018299	-0.009991
293	0.001362	-0.02109	0.010917	0.031571	0.001432	-0.020096	-0.011332	-0.011786	-0.003355	0.004905	-0.007809	0.0283	0.016688	0.006543
294	0.003174	0.008143	0.015956	0.01023	0.010299	0.003992	0.011256	0.021068	0.009728	0.004227	-0.004976	-0.000862	0.00062	-0.001738
295	0.006618	0.002089	0.010333	0.012582	0.006336	0.001896	-0.000969	-0.008616	-0.01063	0.01876	-0.001185	0.005144	0.004948	-0.014544
296	-0.002567	0.013604	0.002325	-0.006721	-0.004431	0.006282	-0.004396	0.003386	0.000241	0.009639	-0.009456	-0.033017	-0.021844	-0.017573
297	0.011663	0.00118	0.003805	0.001344	-0.009692	-0.000453	-0.001497	-0.024313	-0.005814	0.009659	-0.001731	-0.00614	-0.003937	-0.013434
298	0.026279	-0.002147	-0.001969	0.002247	0.000442	-0.004122	0.003342	0.019912	0.009993	0.01067	0.005155	-0.01872	-0.000601	0.007183
299	0.011206	0.000807	-0.003548	0.013699	-0.006669	-0.007753	0.005111	0.00926	0.009974	-0.001251	-0.005782	0.003881	0.00022	0.002117
300	0.016874	-0.019794	-0.001897	0.041641	0.00818	-0.006387	0.00566	0.019644	-0.005357	0.00071	0.014861	0.015795	-0.013836	0.003074
301	-0.000609	-0.004653	-0.001478	0.016109	-0.001673	0.008347	0.007663	0.010588	-0.020598	0.013468	-0.005318	0.004105	0.006016	-0.011292
302	-0.007718	0.005677	0.004754	0.02587	0.016275	0.012715	0.016979	0.035812	-0.020077	-0.001652	-0.005558	0.003278	0.003058	-0.010691
303	0.020307	0.022514	0.006428	0.005595	-0.007048	0.000079	0.016472	0.025181	0.006624	-0.022902	0.000318	-0.002601	-0.010378	0.001843
304	0.0113	0.009351	-0.012552	0.014322	-0.010848	0.008633	0.022437	0.038433	0.014265	-0.019761	-0.00953	0.006877	-0.007357	0.006851
305	0.028816	-0.002707	0.004814	0.024905	0.012698	0.000824	-0.006256	0.007999	-0.01863	0.01215	0.011563	0.029132	0.011318	0.004404
306	-0.035976	-0.013636	0.009986	0.009251	-0.004216	0.00169	0.010527	-0.01473	-0.013391	-0.028412	-0.01516	-0.001156	-0.020737	-0.012916
307	-0.00614	0.022445	0.022159	-0.020201	-0.049419	-0.002229	0.008756	-0.015458	0.000929	-0.024104	0.009018	0.023906	0.015659	-0.003689
308	-0.000685	0.005995	0.000377	-0.027684	-0.024456	0.007823	-0.015653	-0.011773	-0.012003	0.013924	0.001709	-0.009309	0.019904	0.013065
309	-0.000972	-0.002429	-0.000409	0.020311	0.005163	-0.009483	-0.007817	0.01883	-0.000443	0.003094	-0.001512	0.012711	0.011188	0.008846
310	0.002355	0.003959	0.015063	0.019801	0.009107	-0.019484	-0.013409	0.021626	0.010805	-0.003468	0.005044	0.00973	0.025483	0.016829
311	0.00944	-0.00151	-0.003602	-0.012295	-0.01276	-0.00208	0.001209	0.015877	0.004573	0.007439	-0.011623	-0.017567	-0.00239	0.002511
312	0.012011	0.019799	-0.009634	-0.022253	-0.012576	0.009297	-0.013349	-0.017542	0.007717	-0.000521	0.016922	0.020596	0.013412	-0.007575
313	0.009673	0.000859	-0.000653	0.005684	-0.003702	0.002397	-0.006837	-0.022098	-0.014459	-0.004805	-0.005827	-0.002393	-0.002684	0.017255
314	-0.01538	-0.017221	-0.009942	-0.029144	-0.00757	-0.032533	-0.010604	-0.017935	0.02894	0.01601	-0.009684	-0.022923	0.003844	0.007362
315	0.020043	-0.002709	-0.001012	0.009719	-0.007165	-0.008371	-0.00904	-0.003606	-0.003117	-0.019114	0.008236	0.009726	0.001196	0.017462
316	0.004687	-0.00159	0.020404	0.042857	-0.01064	0.008728	-0.018675	-0.001037	-0.014343	0.022449	0.015504	0.006484	0.019331	0.008563
317	0.00129	-0.006523	0.006945	0.01135	0.009987	-0.017408	-0.006851	0.003347	-0.022242	0.007291	-0.006269	-0.014192	-0.000629	-0.000543
318	0.012049	-0.011741	-0.011606	0.01281	0.001778	-0.006465	0.000086	0.04017	-0.005896	0.015559	-0.020714	-0.012319	0.019769	0.02217
319	0.017786	0.00278	-0.000773	0.00903	-0.01089	-0.014199	-0.008559	-0.009041	-0.011881	-0.022927	0.008333	0.005725	0.011105	0.019793
320	0.003473	0.009572	0.00443	0.012684	0.01003	-0.003557	0.009621	0.002285	-0.021437	-0.033126	-0.006283	0.005778	0.01712	0.022669
321	-0.000849	0.001128	-0.005835	-0.027233	-0.006208	0.023491	0.020787	-0.003141	0.001424	-0.014367	-0.010345	-0.026979	-0.024666	-0.015176
322	-0.028097	-0.032448	-0.012978	0.006791	0.020643	-0.009834	0.002836	0.067761	0.015421	0.03191	-0.006807	0.006688	0.014006	-0.004363
323	0.014684	-0.010938	-0.014631	-0.019757	-0.005352	0.011666	0.00882	0.013339	-0.011914	-0.00415	0.011312	0.013863	0.014403	0.004532
324	-0.032131	-0.006511	0.000643	0.025641	0.000377	-0.013553	0.004886	0.056065	0.015356	-0.007308	-0.023084	-0.028764	-0.004767	0.002865
325	-0.00253	0.010487	0.01274	0.003836	-0.001458	0.00428	0.001852	-0.003838	0.006156	-0.00312	-0.004175	-0.025411	-0.026233	-0.000126
326	-0.040656	0.025656	0.019365	-0.015417	0.003555	-0.002926	0.002582	-0.018706	0.005513	-0.007063	-0.021612	-0.019124	-0.015003	-0.00057
327	0.016837	0.012934	0.003614	0.015625	0.007685	0.008998	0.010352	0.029479	-0.002464	-0.004659	0.000025	0.007709	0.000205	-0.000306
328	-0.050593	0.006761	-0.003051	-0.022416	-0.020405	0.020842	0.009718	-0.03084	-0.011578	-0.011039	0.004669	0.006914	-0.00866	-0.014126

	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC
329	0.002899	0.009755	-0.010735	-0.005586	0.017275	0.012185	0.002934	0.01794	-0.019564	-0.006103	-0.00391	-0.004176	-0.006432	-0.005201
330	-0.023173	-0.003718	-0.005839	-0.04357	0.035386	0.007538	0.018097	-0.004705	0.002985	0.008704	-0.011049	-0.051897	-0.037959	-0.018224
331	0.009112	0.012801	0.014113	0.011211	-0.00146	0.003432	0.006707	0.009584	0.010573	-0.01974	0.003851	0.017189	0.003028	0.011233
332	-0.009889	0.015888	0.005081	-0.010577	-0.00593	0.01143	0.007901	-0.015362	0.016263	-0.002661	0.001425	-0.017226	-0.00691	0.001906
333	-0.009701	0.001301	0.009152	0.007184	0.000045	0.007815	0.001497	-0.009795	-0.011662	-0.004455	0.001675	-0.000394	-0.00324	0.005353
334	-0.011931	-0.000454	-0.027606	-0.025508	0.028753	0.032949	-0.012031	-0.038632	-0.021017	0.001596	0.01137	0.004383	-0.02634	-0.014387
335	-0.002736	0.011508	0.008733	0.006002	-0.014337	-0.004599	-0.000848	-0.012658	0.006665	-0.011481	0.00247	0.013423	0.016165	0.023264
336	0.012715	0.005409	0.019794	0.024643	0.006156	0.012595	0.011157	-0.01012	0.013148	0.009295	0.015565	0.035776	0.023877	-0.001203
337	-0.025129	-0.007818	-0.019308	0.008953	-0.008196	-0.002499	-0.020064	-0.023764	-0.00184	0.011293	-0.005409	-0.005334	-0.004537	0.008968
338	0.005374	0.018118	-0.009234	-0.02901	0.014177	0.016625	0.006827	0.043625	0.010205	0.021505	0.025504	0.004584	0.012086	-0.010171
339	-0.012776	-0.00101	-0.022379	-0.016674	-0.000179	0.016018	0.020598	0.000611	-0.009964	-0.008362	-0.01008	-0.009506	-0.023887	-0.018198
340	0.015428	0.026324	0.007821	-0.016506	0.001034	0.010384	-0.009389	-0.01912	-0.008245	0.00874	0.001008	-0.01742	0.001272	0.036956

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
1	-0.021449	0.037127	0.078446	0.052769	-0.013273	-0.01391	0.004019	0.019846	-0.006066	0.029375	0.066097	0.069208	0.10394	-0.073445
2	0.027619	-0.040331	-0.029144	0.014757	-0.053037	-0.024813	-0.012029	-0.043638	0.039996	-0.081786	-0.010877	-0.007755	-0.004334	0.030622
3	-0.038869	0.040514	0.061151	0.058673	-0.088978	-0.089601	-0.093467	-0.110949	-0.075771	-0.069963	-0.085958	-0.095351	-0.121636	0.020241
4	0.021607	0.029559	0.052225	0.037317	0.004106	-0.013327	0.002056	-0.01682	-0.042323	-0.061109	-0.045617	-0.044094	-0.06198	-0.025486
5	0.011515	-0.054772	-0.058271	0.045239	-0.084938	-0.066004	-0.051606	-0.050323	-0.01111	-0.058332	-0.051808	-0.04167	0.037392	0.010171
6	0.104284	-0.042585	-0.002855	0.042094	0.001948	-0.001193	0.01202	0.022202	0.108146	0.018429	-0.010594	-0.005334	0.004954	0.076692
7	-0.051081	-0.035625	-0.077867	-0.067458	0.056931	0.055778	0.071259	0.022466	0.109026	0.048267	-0.013088	-0.019392	-0.049708	0.003936
8	-0.016137	0.018787	-0.020074	-0.038974	0.02205	0.000205	-0.015213	-0.013695	0.058934	-0.016539	0.001183	0.007324	0.03882	-0.010918
9	-0.011981	-0.017472	-0.058706	-0.010765	-0.035815	-0.019497	-0.020422	-0.007452	0.029094	-0.055659	-0.033126	-0.034519	-0.013302	0.00632
10	0.020801	-0.03599	-0.023462	0.000284	0.057843	-0.024216	-0.032324	-0.055965	0.020953	0.070047	-0.013818	-0.011383	-0.020518	0.019837
11	0.005874	0.055041	0.022673	-0.033106	-0.081361	0.020749	0.039269	0.044583	-0.064292	-0.028282	0.080473	0.088132	0.03346	-0.006106
12	0.008878	0.053192	0.015877	-0.026348	-0.076902	0.032067	0.032034	0.032527	-0.016938	-0.000731	0.063905	0.067349	0.055074	-0.038064
13	-0.013701	0.078617	0.068723	-0.012789	0.02835	0.042566	0.028072	0.032673	0.010562	-0.024992	-0.005753	-0.005547	-0.055821	-0.023714
14	-0.026016	0.007426	-0.006131	0.01087	-0.069712	-0.005792	-0.008173	0.012988	-0.132859	-0.097877	-0.046246	-0.048725	-0.047782	-0.068426
15	-0.002142	-0.001469	-0.00406	-0.045196	0.032131	-0.02857	-0.017101	-0.015959	0.055049	0.058236	-0.013576	-0.004187	0.012543	0.080592
16	-0.010509	-0.024402	-0.062998	-0.045164	0.063914	0.017866	0.021893	0.042504	0.10486	0.036385	0.013465	0.007989	0.0395	0.035515
17	0.025758	0.032883	0.038466	0.016466	0.038513	-0.002724	0.000674	0.0036	0.085536	0.024847	0.019099	0.011556	0.001805	-0.029843
18	0.026137	0.017248	-0.009746	-0.009689	0.043014	0.009132	-0.025033	-0.011926	0.036769	0.074484	0.03743	0.033745	-0.021316	0.043376
19	0.007737	0.051668	0.029599	0.002767	0.058909	0.057908	0.051724	0.067377	-0.037158	0.018355	0.016622	0.014992	0.028581	-0.0903
20	0.063884	0.000701	0.030347	0.043626	0.025706	0.00027	-0.014666	-0.023255	0.071538	0.050082	0.016352	0.009677	-0.008915	0.051854
21	0.004814	0.043226	0.037931	0.020353	-0.033813	-0.011181	-0.007431	0.002514	-0.015923	0.038121	0.02453	0.024074	0.04615	-0.051784
22	0.002371	0.004665	-0.006797	-0.023148	0.011699	0.092445	0.044923	0.066711	-0.000101	0.005862	0.060759	0.054118	-0.010898	0.007475
23	-0.021143	0.001474	-0.015291	-0.061244	-0.05906	-0.024338	-0.028942	-0.017964	-0.099356	-0.106052	-0.065056	-0.071423	-0.008312	-0.061073
24	-0.058547	-0.017429	0.018963	0.005768	0.036265	0.003241	0.009831	-0.046028	-0.09396	0.016588	0.002314	-0.002491	-0.051217	-0.017165
25	0.009653	-0.063674	-0.04551	0.031669	-0.022728	0.056288	0.042074	0.06789	0.022932	-0.003715	-0.019444	-0.017103	0.00897	0.054887
26	0.025245	-0.048921	-0.024461	-0.060172	0.155194	0.028036	-0.008346	-0.00622	0.011283	0.042538	0.069427	0.047987	0.038143	0.040979
27	-0.028144	0.048481	0.036257	0.033689	0.041992	0.033648	0.01766	0.036697	0.053717	-0.104801	-0.157376	-0.155153	-0.093451	-0.104775
28	-0.026862	0.003585	-0.035593	-0.024887	-0.043831	-0.045844	-0.042278	-0.043745	-0.049588	0.05035	0.047203	0.04776	-0.013235	-0.014524
29	-0.001818	0.006609	0.026744	0.004924	0.013824	-0.000244	0.001965	0.00619	-0.032649	0.031605	0.018555	0.019315	0.01618	-0.018769
30	-0.002492	-0.16239	-0.063256	0.045293	-0.001584	0.060659	0.077597	0.046413	-0.052304	-0.051809	0.031298	0.02774	-0.050942	-0.027301
31	-0.050513	-0.045191	-0.047861	-0.003008	0.109429	0.033643	0.028077	-0.0096	0.095953	0.101713	-0.026446	-0.027799	-0.119939	0.003201
32	0.045429	0.031836	-0.009435	0.004507	-0.04091	-0.01607	0.003589	-0.004235	-0.01205	0.004492	0.032981	0.028012	0.026671	0.042595
33	0.075417	0.005107	-0.056021	-0.044462	-0.034335	-0.03292	-0.029615	-0.006016	-0.114755	-0.061621	-0.048166	-0.044754	0.074767	0.128982
34	0.013979	-0.022377	-0.039883	-0.034773	-0.092818	-0.033502	-0.026405	-0.05034	-0.021134	-0.034224	-0.011326	-0.01283	-0.11173	-0.052035
35	0.068863	-0.051119	-0.002077	0.033316	-0.018858	-0.004042	-0.000884	0.010389	0.049516	-0.021659	0.032894	0.034921	0.013619	0.021413
36	-0.025843	0.039506	0.023677	-0.015575	0.001723	-0.032049	-0.039233	0.00831	0.010548	0.031756	0.039634	0.039197	0.091795	0.000828
37	-0.013139	-0.023381	-0.037343	-0.015324	-0.059771	-0.026837	-0.019092	-0.016945	-0.078059	0.006592	0.007459	0.015668	-0.008228	-0.076691
38	0.005857	-0.023292	-0.022658	-0.011431	0.085268	0.010613	0.051374	0.007688	-0.059116	0.013415	-0.035997	-0.032066	-0.059476	-0.001796
39	0.029433	0.003822	-0.063962	-0.077966	-0.020484	0.024297	0.017629	0.012221	0.004279	0.026474	0.029206	0.029702	0.008912	0.017392
40	0.000362	0.008832	-0.005612	-0.009015	0.001149	0.003444	-0.005182	0.006486	0.004039	0.00321	0.011045	-0.000403	0.009463	-0.007476
41	0.034247	0.011637	0.066864	0.020596	-0.049784	0.015884	-0.025816	-0.001602	-0.058317	-0.071009	-0.003435	-0.018427	-0.009591	0.037732

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
42	-0.015628	0.004711	-0.057169	-0.027844	0.050148	0.017554	0.034966	0.02673	-0.023741	0.032719	0.013832	0.011098	0.008106	0.026625
43	-0.086776	-0.029903	-0.010624	0.025919	0.084455	0.009675	0.033697	0.027453	-0.064733	-0.029968	-0.042708	-0.018568	0.008246	-0.048087
44	0.026356	-0.003538	-0.081928	-0.13304	0.007034	-0.001999	0.009829	-0.013797	0.052367	0.004589	0.02929	0.029696	0.002673	0.034324
45	-0.039094	-0.034285	0.000548	0.080759	-0.011271	-0.027067	-0.014259	0.029465	0.016748	-0.003892	0.00677	0.014697	0.144934	-0.04266
46	0.004184	0.042129	0.041054	0.033023	-0.010507	-0.052333	-0.042132	-0.084226	0.078683	0.072151	-0.01642	-0.009244	-0.036875	0.01026
47	0.040344	-0.083446	-0.04714	-0.026285	0.047627	0.020955	0.021495	0.04168	0.012729	0.032605	0.030086	0.031209	-0.03232	-0.065529
48	-0.037293	-0.02535	-0.034465	-0.062327	0.069133	0.031386	0.035922	0.066656	-0.032415	0.03856	0.002043	0.006827	0.012027	0.004584
49	-0.001891	-0.011544	-0.00202	-0.045063	-0.01517	0.02064	0.018747	0.050079	-0.029419	-0.060791	0.048439	0.041655	0.066749	-0.03158
50	-0.033288	0.026295	0.088646	0.078384	0.074348	0.031924	0.009465	-0.060372	0.028072	0.107548	0.023316	0.014151	-0.109275	0.004975
51	-0.000083	0.023184	0.04193	0.01181	-0.045029	0.004484	0.031797	-0.001164	-0.047723	-0.09864	-0.047816	-0.032154	-0.110904	0.010129
52	0.01039	-0.017355	-0.038271	0.002266	-0.008569	-0.028599	0.001878	-0.015448	0.011153	0.03527	0.022724	0.033788	0.020795	0.016397
53	0.006993	-0.074973	-0.134325	-0.066699	-0.005097	0.027037	0.031795	0.022589	0.127208	0.043456	-0.007108	-0.009684	-0.055388	0.037762
54	0.040917	-0.008471	0.006063	0.016666	-0.007183	-0.025293	-0.030337	-0.00096	0.076664	0.047536	0.014349	0.010365	-0.02219	0.037626
55	-0.003188	-0.00994	-0.088261	-0.06236	-0.010327	-0.060863	-0.028145	-0.020409	0.098365	-0.000126	-0.014127	-0.003977	0.051164	0.028114
56	-0.025864	0.083428	0.183647	0.120187	0.059459	0.032416	0.017419	-0.013412	0.094236	0.04229	-0.000536	0.009831	-0.054504	0.028337
57	-0.016324	-0.033968	-0.053997	-0.071947	-0.06211	0.009853	-0.000916	-0.022427	0.008828	-0.034831	0.026068	0.025398	-0.023205	-0.041021
58	0.005989	-0.004761	-0.099986	-0.101012	-0.001154	-0.015649	-0.006197	-0.018768	-0.025566	-0.004702	0.005949	0.008291	0.05874	-0.042571
59	-0.003191	-0.001971	0.062129	0.085815	-0.020118	-0.018372	-0.030848	-0.002972	0.018098	0.015337	-0.059124	-0.053844	-0.024638	0.009964
60	0.003498	-0.000285	-0.008393	-0.004053	0.002457	0.006747	0.013799	0.010261	0.012994	0.015169	0.003139	0.005511	0.00937	-0.008207
61	-0.008322	-0.000611	-0.004938	-0.005662	0.037353	0.000556	0.006473	-0.012059	0.000155	0.018935	-0.003646	-0.003914	-0.009491	-0.009928
62	0.005452	0.012227	-0.000583	-0.032542	0.011309	0.019064	0.013943	0.013362	-0.007099	0.002671	0.016242	0.01441	-0.008117	0.006268
63	0.003768	0.004225	-0.002639	-0.026823	0.020052	0.015688	0.00866	-0.002757	-0.001043	-0.002641	0.008288	0.004798	-0.02264	0.013864
64	-0.004647	-0.006838	-0.004095	-0.009257	-0.026237	-0.001998	-0.006521	-0.008908	0.025717	-0.012389	-0.004449	-0.002699	-0.009426	-0.018422
65	0.001	-0.003718	0.00156	-0.022337	0.014416	0.00264	0.000466	-0.00748	0.016494	0.017842	0.009603	0.008423	0.006883	0.018406
66	0.007802	0.00076	-0.006707	-0.016582	-0.001035	-0.01051	-0.005728	-0.03527	0.024429	0.011718	0.001967	0.002451	-0.010567	0.007123
67	0.016735	-0.055677	-0.049382	-0.014701	0.0081	0.015229	0.0115	0.003393	-0.01024	0.015774	0.02328	0.019337	-0.023523	0.008879
68	0.013692	-0.013853	-0.027971	-0.044953	0.012643	0.018369	0.007784	-0.005946	-0.010958	0.004286	0.018329	0.014589	-0.028658	-0.006067
69	-0.005076	-0.017618	-0.010855	-0.00306	-0.004494	-0.004368	-0.000122	0.001647	0.015544	-0.006723	0.003331	0.003587	0.015444	0.001574
70	0.006866	0.019283	0.027175	0.005049	-0.021754	-0.013469	-0.009657	-0.008464	0.010679	0.003456	0.007583	0.007117	0.015517	-0.010178
71	-0.008277	0.016845	0.038748	0.024719	-0.03722	0.001606	0.000701	-0.008187	0.013028	-0.025545	-0.005031	-0.002262	-0.021171	0.008008
72	-0.014963	0.008278	0.029859	0.016427	-0.028926	0.007284	0.007613	0.019846	-0.01346	-0.043116	-0.015031	-0.013383	0.0148	0.005643
73	0.017389	0.014901	0.028834	0.020813	-0.012085	-0.014139	-0.012158	-0.016011	0.012451	0.020555	0.006642	0.004482	0.018228	0.033724
74	-0.009528	0.011831	0.012145	-0.008457	0.006906	0.002836	-0.003038	-0.002197	-0.013399	-0.014577	-0.028341	-0.028058	-0.02446	-0.003445
75	0.008209	0.008209	0.00944	-0.010104	-0.004384	-0.007035	-0.007742	-0.010619	0.019288	0.018129	0.006941	0.007336	-0.005611	0.006252
76	-0.007386	-0.007194	-0.010879	-0.004034	-0.002366	-0.008165	-0.004755	-0.000423	0.017188	0.00604	0.003165	0.002907	0.011853	0.003157
77	0.002907	0.012036	0.015556	-0.004647	-0.00278	-0.003519	-0.004954	-0.008539	0.021476	0.016124	0.006541	0.007015	-0.002675	0.008629
78	0.004921	0.011703	0.014982	-0.000787	-0.016338	-0.01127	-0.011054	-0.011312	0.022095	0.016643	0.002194	0.004084	-0.002906	0.008508
79	0.013712	-0.008649	-0.018175	-0.020937	-0.003213	-0.016751	-0.015233	-0.02195	0.042052	0.032305	0.006768	0.00664	-0.001798	-0.002329
80	0.000526	0.037962	0.056728	0.021054	-0.006326	-0.013673	-0.006135	-0.005056	0.052423	0.00981	0.005247	0.007152	-0.002004	0.000498
81	-0.012828	0.020519	-0.00634	-0.019156	0.022456	-0.005479	-0.010062	0.022309	-0.041407	-0.024323	-0.005273	-0.00599	0.051314	-0.016354
82	-0.007425	-0.003774	0.001911	0.001469	-0.003549	0.006353	0.012509	0.011265	-0.006766	0.005198	0.021086	0.022278	0.028157	-0.026237

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
83	-0.002041	-0.003703	-0.000731	-0.00065	-0.014002	-0.008804	-0.001086	-0.002868	-0.001859	0.001651	0.012783	0.014929	0.017149	-0.016562
84	-0.001101	0.023171	0.029999	0.020889	-0.010826	-0.002016	-0.002336	0.000421	0.014183	0.004974	0.007872	0.008639	0.012911	-0.004785
85	-0.01579	0.004654	-0.015688	-0.013516	0.000248	-0.003736	-0.007313	0.008904	-0.029294	-0.00314	-0.01473	-0.016577	0.019612	-0.008948
86	-0.013661	0.003933	0.014131	0.019109	-0.018707	0.005355	0.00376	0.000205	-0.013317	-0.025871	-0.016932	-0.015851	-0.007766	0.006964
87	-0.00595	-0.006698	0.012203	0.021641	-0.018105	-0.000088	0.010212	0.004644	0.009831	-0.017493	0.001198	0.002337	-0.010437	-0.020166
88	-0.002469	-0.002752	0.002954	0.010564	-0.007947	-0.005907	-0.000607	-0.00312	0.014492	0.022827	0.017616	0.019383	0.010105	-0.01522
89	-0.000246	-0.001884	0.010183	0.01703	-0.019868	-0.005959	-0.003194	-0.004548	0.014014	0.006939	0.008468	0.010935	0.000406	-0.011277
90	0.000031	-0.005225	0.010367	0.012697	-0.006958	-0.003299	0.000688	-0.003104	0.021501	-0.003326	0.002508	0.003634	-0.00221	-0.010435
91	-0.004819	0.009894	0.023551	0.009849	-0.006335	0.008876	0.0003	0.006826	0.021642	0.005641	0.013179	0.012988	0.023555	-0.00451
92	0.006122	0.002308	0.009719	0.01566	-0.009169	0.003299	0.001445	0.024323	-0.023582	-0.002383	0.012086	0.010844	0.045385	0.010102
93	0.00505	0.012117	0.021888	-0.005449	-0.011801	0.002447	0.001373	0.001408	0.005846	-0.005149	0.020338	0.018832	0.017709	0.0044
94	-0.00184	-0.006359	-0.004288	0.000699	-0.013403	0.002734	0.00161	0.001787	-0.0092	-0.004202	0.008441	0.003903	0.017811	0.005653
95	0.022814	-0.004007	-0.002348	0.008234	-0.037988	-0.025964	-0.025016	-0.024025	-0.044941	-0.055353	-0.001541	-0.00172	0.007878	-0.009676
96	-0.012037	0.000135	0.009808	0.006262	-0.022931	-0.004283	-0.003124	0.005662	-0.017673	0.008048	0.003617	0.00363	-0.001871	-0.044142
97	0.006612	-0.002744	-0.022709	-0.027216	-0.030079	-0.027816	-0.019834	-0.016685	-0.023302	-0.03113	-0.015255	-0.01863	0.00842	0.000225
98	-0.004317	-0.011722	-0.008847	0.001355	-0.000275	0.002981	-0.000232	0.005109	0.002174	-0.010499	-0.006911	-0.009788	-0.005574	0.000537
99	-0.001736	-0.003593	-0.003848	-0.002866	0.003247	-0.013724	-0.013596	-0.012229	-0.016496	0.005723	-0.003712	-0.007287	0.001723	0.001021
100	-0.013029	-0.016719	-0.025551	-0.021358	0.007319	-0.001182	0.002209	-0.002447	-0.026765	0.002797	0.007052	0.005916	0.000873	0.011358
101	0.009288	0.003058	-0.007562	-0.009165	-0.016302	0.001308	-0.006242	-0.00001	0.010068	-0.019468	-0.004261	-0.008331	-0.005244	0.007124
102	-0.004956	0.014774	0.02653	0.005703	0.01458	0.009496	0.006839	0.02355	-0.021585	-0.009286	0.012182	0.008455	0.01311	-0.015617
103	0.011211	0.010416	-0.012459	-0.041143	0.000752	0.002316	0.007117	-0.001123	0.008006	-0.01126	0.01749	0.016408	-0.019675	-0.028247
104	-0.000982	0.012113	0.01857	-0.003388	0.020396	-0.005725	0.001536	0.004304	0.010754	0.007423	0.005586	0.009143	0.013079	0.002862
105	-0.01723	0.029916	0.02713	0.006064	-0.011792	-0.018284	-0.013748	-0.005659	0.012592	0.048306	0.027413	0.031061	0.012839	-0.002469
106	-0.005665	0.010795	0.01084	0.010339	0.011414	0.020885	0.01911	0.008272	0.022197	0.001275	-0.006784	-0.005813	-0.020352	-0.003641
107	-0.006817	0.02611	0.020702	0.015715	-0.002963	0.00571	0.008661	0.007941	-0.000222	-0.001051	0.001708	0.000911	0.004825	0.004758
108	-0.014991	0.031231	0.027134	-0.000718	-0.023414	0.003332	-0.004743	-0.00366	-0.014333	0.017437	0.029621	0.025572	-0.00747	-0.044182
109	0.010252	0.001329	0.008887	0.004391	0.018192	0.001769	-0.002015	0.035327	-0.00754	-0.027419	0.002929	-0.000068	0.053561	0.003709
110	0.018708	0.027134	-0.008885	-0.021425	-0.016443	-0.010471	0.002403	-0.015994	0.031578	0.01965	0.01221	0.016135	0.013934	0.041047
111	-0.002615	0.020832	0.004956	0.001021	-0.027202	-0.009729	-0.01018	-0.000422	-0.015796	0.020815	0.005731	0.006265	0.022691	-0.029196
112	-0.015596	0.012286	0.025376	0.020636	-0.008733	-0.028485	-0.030588	-0.038491	0.015445	0.027916	0.010756	0.009457	-0.006792	-0.008086
113	-0.012503	0.012253	0.025752	0.024286	0.011447	0.018975	0.011917	0.016884	-0.004359	-0.02069	-0.014176	-0.017858	-0.006153	-0.040017
114	-0.019441	-0.013439	-0.016277	-0.012823	0.04334	0.004982	0.015091	0.013409	0.001999	-0.022089	-0.009358	-0.008541	0.003525	-0.02611
115	0.009835	0.038755	0.00389	-0.020464	-0.023047	0.000861	-0.006309	-0.020698	0.000705	0.027857	0.021386	0.019498	-0.005717	0.017304
116	0.017588	-0.034202	-0.023274	-0.026728	0.017082	-0.019665	-0.019068	-0.018768	-0.005076	0.012212	0.006719	0.003105	0.015618	0.007411
117	-0.015194	0.018134	0.006078	-0.004779	0.031441	-0.003286	-0.006359	-0.006678	0.03623	0.019536	0.004428	0.002079	0.00976	-0.008196
118	0.013421	-0.000441	0.025424	0.006925	0.003667	0.019788	0.015927	0.01607	0.014726	0.003617	0.033443	0.025688	-0.026802	0.006678
119	-0.007205	-0.000044	0.000518	0.004189	-0.018445	-0.000231	0.000034	-0.012191	0.017957	-0.019781	-0.011506	-0.013415	-0.019543	0.020781
120	-0.000447	0.015842	0.010414	-0.000969	-0.001025	-0.00626	-0.012201	-0.015258	0.034327	0.002989	-0.003655	-0.004035	-0.012941	-0.002035
121	-0.001866	-0.002378	0.023474	-0.005962	0.04499	-0.000929	-0.008382	-0.004476	0.004492	0.028814	0.001091	-0.000208	-0.003268	0.015346
122	0.007634	0.030493	0.027391	0.017638	-0.007892	-0.016581	-0.015294	-0.014141	-0.022121	-0.005883	0.004714	0.004523	0.029882	-0.004788
123	-0.00403	0.029242	0.019095	0.002407	-0.003474	-0.009797	-0.009122	-0.020198	-0.012102	0.002071	0.015556	0.018535	0.024243	0.015375

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
124	-0.003082	0.008246	-0.006197	-0.007613	-0.017107	-0.01311	-0.012574	-0.029984	0.009854	-0.01471	-0.018983	-0.021456	-0.027132	0.018325
125	-0.016743	0.012579	0.020176	0.011565	-0.001421	-0.001297	-0.009241	-0.010901	0.018737	-0.005275	-0.012182	-0.008997	-0.030434	-0.004135
126	0.009212	-0.01191	0.035015	0.044082	0.024842	0.015137	0.015679	0.018594	-0.002076	-0.007476	-0.001717	-0.002098	-0.003087	0.018701
127	0.005827	-0.04598	-0.015746	0.023253	0.014792	0.015757	0.018368	0.012612	0.009186	-0.010349	-0.011538	-0.010036	-0.017906	0.025881
128	-0.015258	0.014696	0.023064	0.00464	0.005196	-0.005012	0.008493	0.001567	-0.009641	-0.001286	0.000705	0.006974	0.010652	0.00886
129	0.008838	-0.001558	-0.023991	-0.011534	-0.0624	-0.034566	-0.015381	-0.027968	-0.055623	0.007177	-0.00108	0.004252	-0.000889	0.022537
130	0.022539	0.003578	0.009198	-0.001069	-0.025779	-0.011136	-0.011598	-0.018219	-0.016883	0.022423	0.021758	0.020447	0.001262	-0.001807
131	0.025925	-0.007093	-0.026283	-0.025555	-0.053919	-0.008763	-0.000895	0.006569	0.008853	-0.003654	0.014553	0.010064	0.03063	-0.015523
132	-0.01154	0.016813	0.012556	0.008425	-0.032827	-0.009574	0.006295	0.003584	-0.007418	-0.011393	0.003407	0.009873	0.029719	-0.009925
133	0.011725	-0.009096	-0.015945	-0.021573	0.01852	0.007631	0.011653	0.011832	-0.001399	-0.003075	0.022308	0.019978	0.023987	0.019075
134	-0.008568	-0.003087	0.028685	0.013626	0.004616	0.005911	-0.002508	-0.001678	-0.023979	-0.015548	-0.02871	-0.031734	-0.037319	-0.022356
135	-0.006467	-0.010269	0.014412	0.022193	0.003075	-0.002216	-0.00233	-0.006319	0.012957	0.000142	-0.008235	-0.00465	-0.019768	0.004847
136	0.012336	-0.021794	-0.038406	-0.020755	0.003517	0.020714	0.02355	0.018573	-0.013763	0.003425	0.008769	0.00658	0.011704	0.004631
137	-0.012012	-0.003551	-0.001426	-0.002654	-0.001071	0.00824	0.014517	0.001538	0.006836	-0.018465	-0.025927	-0.02466	-0.046869	0.010573
138	0.020139	-0.016451	0.019093	0.019294	-0.004748	0.007584	0.003915	0.028658	-0.019328	-0.020268	-0.006853	-0.009551	0.019354	-0.017953
139	-0.016843	0.008342	0.002445	-0.007494	0.012831	0.028294	0.037196	0.033061	-0.004016	-0.010827	-0.005093	-0.007485	-0.030213	-0.009856
140	-0.012128	0.012284	0.009013	0.006532	0.034794	0.0072	0.006312	0.0105	0.015148	0.044096	0.006928	0.004979	0.053809	0.0263
141	-0.00723	-0.004551	0.013806	0.027547	0.00445	-0.008416	0.000485	-0.005443	-0.032496	0.003307	0.005231	0.010373	-0.013378	0.001432
142	0.010932	-0.004443	-0.016507	-0.011083	0.002534	-0.02983	-0.024838	-0.029884	-0.001996	0.001833	-0.009479	-0.011477	-0.014095	0.012066
143	-0.009527	0.018011	0.015343	-0.001686	0.003196	-0.01569	-0.01495	-0.007745	-0.039096	-0.010185	0.011574	0.013733	0.03738	-0.010047
144	0.008174	-0.012657	-0.005247	0.00619	0.012022	0.003418	0.00681	-0.011021	-0.007409	-0.00358	0.00291	0.003606	-0.019537	0.001909
145	0.006512	-0.004772	0.006818	-0.000705	0.004227	0.001141	0.013866	0.007258	0.004352	-0.039613	0.011714	0.012817	0.036947	0.008866
146	-0.013328	-0.009741	0.010188	0.014861	0.023404	0.003395	0.006415	-0.003141	0.002688	0.003109	-0.013249	-0.011592	-0.023368	-0.005615
147	-0.011305	-0.004076	0.028015	0.032132	0.034883	0.010808	0.015992	0.011657	0.019738	0.016875	0.009431	0.00917	-0.008013	-0.004292
148	0.018503	-0.037295	-0.058806	-0.023584	0.007272	0.004097	0.017406	0.002432	0.010019	-0.005947	-0.004852	-0.00886	-0.022417	-0.011842
149	-0.00226	0.01427	-0.001783	-0.015357	0.008704	-0.005393	0.003886	0.004158	-0.00104	0.002631	0.001303	0.006278	0.016527	-0.01246
150	-0.002356	-0.003781	0.009479	-0.00242	0.016513	-0.004645	-0.015063	-0.023287	-0.00776	0.003856	-0.014188	-0.017767	-0.029837	0.014485
151	-0.004517	0.013416	0.016987	0.015232	0.035326	0.000025	0.004149	-0.005168	0.018535	0.040792	0.002505	0.003701	-0.007003	0.020939
152	0.000285	-0.035484	-0.027252	0.003473	0.000529	0.004175	0.004762	-0.000627	0.019362	0.021723	0.005435	0.006907	-0.005979	0.018298
153	0.003187	-0.001102	0.006633	0.005392	0.014692	0.008454	0.009543	-0.006049	0.003256	0.016757	0.010287	0.011061	-0.040906	0.013442
154	0.019583	-0.002228	0.012636	0.007944	0.001434	-0.005002	-0.00652	-0.004587	0.007993	0.011042	0.002976	0.002489	0.01281	0.019254
155	-0.002937	-0.002195	0.010545	0.003546	-0.005066	0.009917	0.016676	0.021384	0.023282	-0.00031	0.003017	0.009114	0.024081	-0.013971
156	-0.023302	0.003836	0.038017	0.010882	0.020654	0.019869	0.008923	0.017789	-0.042986	-0.008024	0.019641	0.019642	0.015325	-0.024013
157	-0.0087	0.004461	-0.001428	0.002889	0.033122	-0.000256	0.000714	0.000122	0.014717	0.007787	-0.018216	-0.015872	0.001789	0.010268
158	-0.028379	-0.004063	-0.00045	0.009248	0.02716	-0.009503	-0.003177	-0.015738	0.028341	0.052637	0.01302	0.016943	0.000114	0.009869
159	0.003261	-0.012841	0.001598	-0.011649	-0.025493	-0.035815	-0.02219	-0.017411	0.010326	-0.000964	-0.002293	0.002931	0.009767	0.043101
160	-0.007121	0.014495	0.018421	0.009088	0.026342	0.016563	0.005563	0.004943	0.048263	0.008826	0.005046	0.001675	-0.018193	0.044434
161	-0.016996	-0.006721	-0.014762	0.000549	0.003645	-0.01691	0.008304	0.001916	0.011672	0.015182	-0.00397	0.003958	0.00798	-0.009902
162	0.010078	-0.014292	0.001289	-0.0047	0.005247	0.01377	0.010533	-0.000887	-0.02617	-0.029363	0.003353	-0.000839	-0.026328	0.006958
163	-0.009131	-0.022551	-0.02292	-0.001601	0.001954	-0.00627	-0.001675	-0.010161	0.015356	0.001638	-0.011031	-0.009801	-0.025801	0.012954
164	0.000733	-0.019073	-0.03388	-0.019659	0.059109	0.031674	0.036538	0.034355	0.036432	0.039606	0.027282	0.024083	0.004783	0.006456

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
165	0.002717	0.019764	0.030465	0.015133	0.046687	0.020968	0.021571	0.035562	0.005012	0.018676	-0.004139	-0.000922	0.018554	-0.011797
166	0.011698	0.005812	-0.029873	-0.025372	-0.005301	-0.010434	-0.017911	-0.008374	0.016152	-0.011068	-0.022667	-0.025064	0.003675	-0.020899
167	-0.021821	-0.002297	0.013524	0.01159	0.023378	0.028183	0.030798	0.020944	-0.015834	-0.023069	-0.007794	-0.006952	-0.021255	-0.035653
168	0.009415	-0.015889	-0.01522	-0.004561	-0.002592	0.0087	0.010693	-0.003977	-0.002506	0.026281	0.019114	0.015262	-0.044528	0.032473
169	0.006467	0.00072	0.004932	0.014534	-0.019484	-0.002123	-0.002437	-0.003831	0.022812	-0.006874	0.002287	0.002946	-0.005298	-0.010196
170	0.019124	-0.01096	-0.011576	0.003296	-0.030339	-0.000328	-0.00096	-0.000943	-0.000577	-0.017777	0.014385	0.012561	0.010616	-0.003857
171	0.002282	-0.002028	0.009804	0.02279	-0.017672	-0.009487	-0.004816	-0.002924	-0.00248	0.024406	0.023544	0.026581	0.013712	-0.001123
172	-0.015446	0.013016	0.006877	-0.000897	-0.008311	-0.007562	-0.006062	-0.000858	0.016396	-0.013774	-0.018948	-0.015976	-0.005903	-0.008725
173	0.014463	0.001983	0.000364	-0.009312	0.007206	0.003821	0.00509	0.006448	0.022346	-0.0003	-0.004529	-0.001485	-0.004468	0.015969
174	0.011991	0.004156	-0.002336	-0.000445	-0.01656	0.006262	0.013375	0.007921	0.041682	0.009497	0.009194	0.013918	0.000706	-0.004573
175	-0.015464	0.01321	-0.003029	0.012428	0.002298	-0.00805	0.001772	-0.012254	0.045978	0.027119	-0.006265	-0.001907	0.000346	-0.048286
176	-0.017706	0.00236	-0.015644	-0.020538	-0.010715	0.003909	0.006169	0.007734	-0.02767	0.008146	0.020751	0.020287	0.014935	-0.049787
177	0.012449	0.020284	0.05158	0.038792	0.019726	0.029844	0.013967	0.00651	0.054256	0.031842	0.017321	0.012692	-0.044049	0.020741
178	-0.007127	0.005254	0.016103	0.023604	0.018927	0.01116	0.018057	-0.004796	0.022333	0.012688	-0.003499	-0.004262	-0.039042	0.027016
179	0.001195	-0.005807	0.000002	0.008836	0.007875	0.005105	0.002645	0.001972	0.020849	0.010896	0.005192	0.002412	-0.00891	0.011917
180	0.00733	-0.004585	0.001306	0.003301	0.002656	0.014056	0.008434	0.005055	0.01691	0.003925	0.00359	-0.000505	-0.021803	0.008572
181	0.002552	0.000792	-0.000462	-0.000823	0.003299	0.011188	0.007083	0.009326	0.015053	-0.000147	0.005184	0.001984	-0.004087	0.00574
182	0.003069	-0.008576	-0.011737	-0.008652	0.014191	0.005843	0.003521	0.0013	0.007212	0.020884	0.015845	0.011368	0.003753	0.018019
183	-0.011825	-0.01085	0.008823	0.015996	0.009392	-0.007283	-0.00499	-0.001826	-0.004909	0.027539	0.014984	0.016612	0.016105	0.018201
184	-0.0161	-0.009369	-0.008798	-0.012267	-0.039008	-0.022107	-0.013381	-0.007234	-0.014286	-0.006847	0.01267	0.019981	0.028871	0.002364
185	-0.004979	0.038333	0.025367	-0.025055	0.004329	-0.01353	-0.022399	-0.021917	0.047055	0.010715	-0.00903	-0.007338	-0.001481	0.009571
186	0.017316	0.016662	-0.032954	-0.054195	-0.032808	-0.004831	-0.00373	0.013135	-0.02783	-0.010456	0.008936	0.009796	0.035649	-0.003515
187	0.017414	-0.015036	-0.014038	-0.017454	-0.004478	0.005158	0.003132	-0.002309	0.004071	-0.020065	-0.001118	-0.003205	-0.016024	0.02198
188	0.013472	-0.012541	-0.005209	-0.00939	-0.010728	0.014685	0.013278	0.008481	0.015831	-0.008327	0.014204	0.01198	-0.007703	0.00684
189	0.006543	-0.015119	-0.028598	-0.020472	-0.028817	-0.001966	-0.001466	-0.000669	0.004633	0.000732	0.023632	0.019984	0.006014	-0.02032
190	-0.016588	-0.003175	-0.023209	-0.029678	0.005466	0.007691	0.008972	0.004793	0.004703	-0.005255	-0.00387	-0.00301	-0.000033	-0.021822
191	-0.001122	0.002733	-0.009269	-0.00601	-0.005228	-0.001461	-0.001012	0.009172	0.011035	-0.002621	-0.004904	-0.002905	0.015388	-0.002223
192	-0.002655	-0.056034	-0.012764	0.026925	0.031324	-0.012678	-0.002516	-0.012334	-0.000993	0.00793	-0.013505	-0.012029	0.003859	0.040412
193	-0.000867	-0.040906	-0.049712	-0.016454	-0.006282	-0.003181	0.004726	-0.003309	0.01233	-0.005603	-0.000348	0.003228	0.000662	0.012107
194	-0.008165	-0.011001	-0.016696	-0.010047	0.003078	0.008494	0.002409	-0.005411	0.021181	0.014763	0.004693	0.003269	-0.011694	-0.000151
195	-0.004273	0.010708	-0.061726	-0.083715	-0.015653	-0.024567	-0.021127	-0.008791	0.002648	-0.027036	-0.021402	-0.019546	0.029418	-0.002308
196	-0.01331	-0.001716	-0.043734	-0.050747	0.001511	-0.011434	-0.009519	-0.010116	0.018638	-0.002654	-0.013407	-0.014079	0.014777	-0.019609
197	-0.014366	0.003002	-0.007757	-0.021266	0.012566	-0.005021	0.001203	-0.003529	0.011169	0.013656	0.007604	0.011224	0.021317	-0.024518
198	-0.011645	0.033274	0.01125	-0.017284	-0.020358	-0.025101	-0.022928	-0.027012	-0.020798	-0.020569	-0.013452	-0.011947	-0.011593	0.004987
199	0.005683	0.020713	-0.021557	0.000133	-0.035626	-0.015678	0.005347	0.0027	-0.002269	-0.006168	-0.02597	-0.019047	-0.01291	-0.024653
200	-0.033537	0.012577	0.021248	0.023384	0.003177	-0.001595	0.006262	0.005676	-0.020839	-0.002357	-0.01052	-0.007176	-0.025034	0.006224
201	0.012255	-0.004327	0.005366	-0.001722	0.013573	0.019574	0.016143	0.014139	-0.025446	-0.003011	0.009033	0.0029	-0.015067	0.025057
202	-0.017695	0.02541	0.014705	0.000155	-0.000183	-0.007739	-0.008523	-0.011254	-0.036312	-0.005277	-0.013846	-0.011932	-0.001894	0.013609
203	-0.014355	-0.01141	0.003605	0.006817	-0.012664	-0.000341	0.015224	-0.000036	0.002016	-0.029545	-0.00992	-0.005295	-0.009162	-0.003917
204	-0.007429	-0.035107	-0.041489	-0.03748	-0.01108	-0.004169	-0.008193	0.009373	-0.039734	-0.008472	-0.005904	-0.006956	0.024147	-0.003432
205	-0.03375	-0.005118	0.021035	0.018437	0.031672	0.032049	0.021274	0.041312	0.026595	0.009539	-0.009355	-0.010944	-0.012873	-0.02444

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
206	-0.035499	-0.01959	-0.025728	-0.018501	0.006232	0.020595	0.015188	-0.016611	0.004751	0.000414	-0.000127	-0.008284	-0.055863	-0.02404
207	0.002166	-0.008209	0.00125	0.012706	0.011731	0.029463	0.027558	0.032899	-0.006043	-0.024673	-0.018693	-0.022154	-0.035691	-0.037718
208	0.01518	-0.009804	0.014334	0.00746	-0.043583	0.003499	0.000013	0.00516	0.001863	-0.02322	0.023409	0.026623	0.026029	-0.002216
209	-0.013235	-0.035598	-0.001155	0.006965	0.031089	-0.019497	-0.007564	-0.017129	-0.010494	0.038373	0.00275	0.008623	0.022798	-0.000529
210	-0.026851	0.031151	0.034635	0.011491	0.039151	0.007217	0.019215	0.014018	0.026487	0.065622	0.004655	0.01499	0.00863	-0.049337
211	-0.014678	0.01074	0.03067	0.002701	0.048774	0.024337	0.01358	0.031892	-0.011613	0.022364	-0.00338	-0.003275	0.006143	-0.000139
212	-0.006773	-0.003141	-0.032499	-0.050527	0.008659	-0.013464	-0.011868	0.009653	0.040616	-0.010027	0.009776	0.010015	0.033427	-0.016761
213	-0.012901	0.022501	-0.020037	-0.022634	-0.022667	0.018265	0.012621	0.027798	0.026017	-0.017323	0.020887	0.015417	0.041114	0.001473
214	0.005524	-0.009942	-0.005621	0.00282	-0.001562	-0.000317	-0.005111	-0.000522	-0.002802	0.00404	-0.002789	-0.005278	-0.006071	0.023169
215	0.007487	0.009565	0.006983	0.023745	-0.03488	-0.017381	-0.021332	-0.007193	0.073851	0.039979	0.008657	0.012601	-0.004297	0.025357
216	0.010383	0.008858	0.007543	0.004146	-0.012405	0.012842	0.01351	0.00776	0.018806	0.0439	0.043093	0.041482	-0.02595	-0.00307
217	-0.021698	0.013396	-0.003766	-0.017666	-0.005933	0.009445	0.007062	0.006874	-0.003189	-0.005152	-0.000946	-0.000299	0.008791	0.001284
218	0.013598	0.007169	0.009479	0.014042	-0.020553	-0.00488	-0.003284	0.013224	-0.000606	-0.004908	0.004728	0.009488	0.039441	-0.005549
219	0.00935	0.006385	0.007485	0.003063	0.007441	-0.000863	0.002888	0.007106	-0.003119	0.010687	0.021419	0.023323	0.015051	0.00054
220	-0.013748	0.003714	-0.012839	-0.032603	-0.014686	0.005804	-0.000453	-0.002184	0.00694	0.003149	-0.000547	-0.000033	0.001165	0.003826
221	0.008167	0.004171	0.027866	0.00149	0.015063	0.005124	-0.00553	0.007821	0.001788	0.009203	0.007696	0.006793	0.018148	0.017304
222	-0.004555	-0.053122	-0.021771	0.012095	0.025288	0.004071	0.004943	0.011202	0.008801	0.001984	-0.007564	-0.005097	0.002097	0.014522
223	0.004346	-0.026995	-0.034942	-0.014314	0.009095	0.007013	0.006186	0.014809	0.01136	0.011722	0.007632	0.009596	0.017729	0.004547
224	-0.010953	0.001503	-0.008247	-0.000944	-0.015537	-0.004682	-0.005232	-0.012942	0.005287	0.02778	0.005558	0.005379	-0.036553	-0.007986
225	-0.005817	0.007747	0.000642	0.002777	-0.015416	-0.005597	-0.007705	-0.008266	0.006536	0.02018	0.003399	0.003443	-0.022806	0.00305
226	0.003825	0.01385	0.010169	0.012156	-0.042655	-0.063854	-0.057862	-0.059147	-0.029663	-0.019327	-0.018283	-0.016264	0.013493	0.004677
227	-0.001557	0.00692	0.015878	0.029929	-0.01731	-0.048997	-0.044074	-0.088835	0.043731	0.046672	-0.005571	-0.007213	-0.079215	0.023312
228	-0.027246	-0.024907	-0.02483	-0.003852	-0.043855	-0.023361	-0.01328	-0.010431	-0.042797	-0.037285	-0.003463	-0.001992	0.015613	-0.008322
229	0.007513	0.011477	0.00846	-0.002717	-0.115248	-0.012463	-0.013445	0.017623	-0.09284	-0.175115	-0.057857	-0.057788	-0.01498	-0.021864
230	-0.004604	0.016938	0.033386	0.027837	-0.002064	0.017287	0.013431	0.005482	0.020753	0.041781	0.020337	-0.006225	-0.045476	-0.110617	-0.005483
231	-0.01669	0.01757	0.001031	-0.014089	0.010101	-0.028785	-0.024839	-0.028873	0.041781	0.020337	-0.006225	-0.005718	-0.000417	-0.006635
232	-0.031403	0.014209	0.007336	0.004993	-0.030865	-0.023619	-0.022607	-0.007688	-0.015377	-0.003936	-0.00357	0.001005	0.017488	-0.038488
233	0.002053	0.012014	0.029589	0.033576	-0.001079	0.00182	0.005579	0.023582	0.006088	-0.000237	0.006721	0.00775	0.023837	0.001955
234	-0.022672	0.010322	0.025325	0.014069	0.01518	-0.009858	-0.00493	-0.011898	0.027471	0.025359	0.031727	0.029858	0.013164	-0.003017
235	-0.042963	-0.005679	0.019022	0.021228	0.031968	-0.002968	-0.001132	-0.000038	0.025576	0.014964	0.008701	0.006351	0.004983	-0.010061
236	-0.044341	0.013609	0.004636	-0.006608	0.022582	0.018955	0.016893	0.017014	-0.012402	0.025957	0.009886	0.010389	-0.015793	-0.088208
237	0.013997	0.008303	0.020005	0.0153	0.014356	0.023624	0.016521	0.029348	0.000261	0.011378	0.026809	0.025453	0.02698	-0.011193
238	0.007965	0.007059	0.011649	0.003909	0.029417	0.025472	0.023606	0.034111	0.02361	0.013574	0.019465	0.018492	0.007692	0.004159
239	-0.003043	0.000592	-0.009859	-0.006204	0.031375	0.011139	0.021001	0.022288	0.025469	0.01628	0.009875	0.012235	0.010562	0.004064
240	0.010457	-0.020983	-0.004201	0.001859	0.008723	0.005218	0.005959	-0.003822	0.005645	-0.006401	0.005479	0.005546	0.011593	0.00095
241	0.004635	-0.010674	0.008501	0.013191	0.002831	0.009973	0.008965	0.020956	0.000049	0.006918	0.015843	0.014998	0.035557	-0.012685
242	-0.045929	0.008276	0.016127	0.005678	0.01394	0.016969	0.013002	0.019708	0.00345	0.020524	0.01923	0.017181	0.004672	-0.036748
243	-0.035365	-0.020269	-0.024765	-0.022883	0.000516	0.010513	0.00685	0.01534	-0.004378	0.007854	0.02343	0.020341	0.009053	-0.000983
244	0.006754	0.008183	0.023611	0.002033	0.000779	0.01095	0.002365	-0.002462	0.005483	0.004665	0.002148	0.000256	-0.01965	0.024682
245	-0.004293	0.008282	0.018991	0.000649	0.007841	0.035316	0.033386	0.032653	0.009576	0.002835	0.017991	0.018936	-0.002339	-0.009074
246	0.006301	-0.008938	-0.013915	-0.012497	0.02558	0.022893	0.028469	0.026367	0.014628	0.029731	0.025713	0.027157	0.008878	0.006345

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
247	-0.02344	0.003956	-0.011099	-0.027664	0.04484	0.02656	0.028937	0.0211	0.012816	0.028917	0.008037	0.008637	-0.021055	-0.01993
248	-0.034652	0.001959	-0.000076	-0.019211	0.037259	0.016432	0.012539	0.007152	0.00772	0.021374	-0.002582	-0.001147	-0.023207	-0.026576
249	-0.011459	-0.075719	-0.0574	-0.010481	0.012624	0.010195	0.01339	0.012484	-0.012447	-0.005856	-0.00657	-0.004255	0.008076	-0.005248
250	0.010048	-0.018756	-0.010808	0.003317	0.005523	-0.001281	0.000746	-0.011061	0.001974	0.010298	0.007432	0.007884	0.007262	0.001777
251	-0.001443	-0.011075	0.020129	0.012304	0.034196	0.009062	0.001664	-0.007053	0.004313	0.005616	-0.000133	-0.001852	0.004294	0.007555
252	-0.050284	0.007843	-0.007687	-0.031534	0.011949	-0.000339	-0.005402	-0.004727	0.009453	-0.000774	-0.009917	-0.009499	0.018988	-0.013956
253	-0.029644	0.001696	0.00008	0.005185	-0.068004	-0.019124	-0.021991	-0.000903	-0.037527	-0.02835	-0.003334	-0.002255	0.02891	-0.024563
254	0.01488	-0.041129	-0.068728	-0.049048	-0.001053	0.014247	0.016385	0.013973	0.007027	0.003317	0.018254	0.017806	0.007069	0.010391
255	0.013886	-0.010859	-0.011491	-0.030976	0.008439	0.016513	0.01215	0.000773	0.016878	0.011383	0.019442	0.016773	-0.014199	0.026647
256	0.007689	-0.009117	-0.026027	-0.04653	-0.053605	0.015627	0.012507	0.023823	0.018858	-0.023708	0.023644	0.023845	0.023922	0.007305
257	-0.016835	0.016955	0.012875	0.016069	0.009946	-0.01792	-0.01751	-0.027111	0.014637	0.012348	-0.015388	-0.017017	-0.008501	0.002997
258	-0.020178	0.002167	-0.016048	-0.013308	0.020207	-0.000233	0.00023	-0.009558	0.012303	0.037195	0.004364	0.00361	-0.00537	-0.021732
259	-0.012712	-0.072309	-0.05387	-0.008	0.024327	0.014119	0.017332	0.013011	-0.007269	-0.005676	-0.005919	-0.004983	-0.001105	0.000093
260	-0.030252	-0.037826	-0.0671	-0.048376	0.009071	0.003142	-0.000417	-0.009014	-0.02398	-0.025463	-0.027916	-0.028677	-0.004953	-0.004465
261	-0.028846	-0.020601	-0.0514	-0.063779	0.020264	0.004556	0.002478	-0.009265	-0.003838	-0.016273	-0.007594	-0.009375	0.010237	-0.014014
262	-0.05425	0.015357	-0.002654	-0.015958	0.019863	0.005333	0.00682	-0.001782	-0.00672	-0.005168	-0.020709	-0.019304	-0.016125	-0.036819
263	0.935666	0.008913	0.007926	0.001847	0.026457	0.006752	0.007437	-0.000588	-0.014543	0.001149	-0.019402	-0.018683	-0.020809	-0.036754
264	0.009783	0.897011	-0.092942	-0.026913	0.009853	0.009406	0.017008	0.011659	-0.003223	-0.004349	0.003053	0.002791	-0.006355	0.012492
265	0.01292	-0.091413	0.828837	-0.111869	-0.009706	-0.006119	0.007728	0.008227	-0.00523	-0.003619	0.006815	0.007309	0.026766	0.01481
266	0.005407	-0.024912	-0.108061	0.870266	-0.000465	0.002963	0.004739	0.006739	-0.010364	0.000396	0.024578	0.02196	0.030657	0.007526
267	0.016645	0.019059	-0.006881	0.00235	0.832871	-0.0587	-0.046366	-0.03331	-0.072432	-0.089923	-0.008394	-0.003393	0.023705	-0.008737
268	0.004139	0.009879	0.002228	0.01175	-0.048317	0.932163	-0.055475	-0.053513	-0.021412	-0.011418	-0.01928	-0.01533	0.019327	0.003186
269	0.007469	0.01671	0.015969	0.014393	-0.044233	-0.056971	0.940537	-0.05225	-0.01837	-0.010417	-0.016942	-0.016858	0.010368	0.00831
270	0.000511	0.00855	0.007727	0.014718	-0.027776	-0.055745	-0.052206	0.920012	-0.00509	0.007195	-0.023426	-0.023331	-0.036196	0.016149
271	-0.014598	0.009061	0.010403	-0.005088	-0.060059	-0.01134	-0.007232	0.004323	0.801884	-0.094508	-0.01158	-0.011822	0.007671	-0.038398
272	0.003694	0.004756	-0.001935	-0.005605	-0.094416	-0.020149	-0.014077	0.008066	-0.099146	0.832345	-0.060804	-0.058955	0.001365	-0.028995
273	-0.015805	0.007098	0.01034	0.021255	-0.013061	-0.023379	-0.018685	-0.019928	-0.023775	-0.068406	0.904864	-0.092083	-0.055619	-0.016077
274	-0.012069	0.005776	0.008959	0.018331	-0.011911	-0.019802	-0.018884	-0.020012	-0.024309	-0.068312	-0.091578	0.908706	-0.058707	-0.012679
275	-0.01456	-0.001271	0.018322	0.023395	0.01385	0.014211	0.009712	-0.040925	0.018374	-0.010347	-0.059709	-0.064073	0.823544	0.001326
276	-0.041763	0.014448	0.006193	-0.007441	-0.013387	0.013404	0.01532	0.021716	-0.046247	-0.029588	0.000087	0.000515	-0.001193	0.891686
277	0.006059	0.003807	-0.00406	0.008056	0.006821	0.009993	0.013087	0.01708	0.012222	0.008195	0.006771	0.008286	0.019986	-0.012805
278	0.004577	0.005346	0.005946	0.018	0.006921	0.015781	0.013457	0.014541	0.008965	0.003985	0.002589	0.003108	0.003266	-0.006982
279	0.000083	-0.005033	-0.013889	-0.01215	0.029983	0.014261	0.019642	0.013248	0.007188	0.005346	0.012882	0.012729	-0.0006	0.001007
280	-0.018083	-0.024617	-0.020806	0.002594	-0.053034	-0.010211	-0.007391	0.008316	-0.030074	-0.009634	0.014538	0.012319	0.018531	-0.02171
281	0.007168	-0.020584	-0.025555	-0.01847	0.01369	0.014626	0.021738	0.018458	-0.014196	0.005937	0.007661	0.009324	0.010582	0.002632
282	-0.004566	-0.014833	-0.013616	-0.007737	0.030402	0.020102	0.021036	0.011781	-0.015374	0.024874	0.005239	0.004843	-0.010781	0.006444
283	-0.02985	-0.006197	-0.016697	-0.036866	0.04824	0.026346	0.023228	0.007078	-0.014853	0.010026	-0.000194	-0.002271	-0.033777	-0.022738
284	-0.006299	0.00104	0.004857	0.018747	-0.006261	-0.018987	-0.018566	-0.023827	-0.001991	-0.007509	-0.018486	-0.020297	-0.006532	0.001328
285	-0.010625	0.005541	0.012788	-0.02495	0.00458	-0.017219	-0.01905	-0.028619	-0.003923	0.00796	-0.016927	-0.019355	-0.013873	0.011776
286	0.008926	-0.004184	-0.004416	0.00525	0.002278	-0.002457	-0.00537	-0.011496	0.002335	0.018851	0.014447	0.009152	0.005547	0.011059
287	0.001713	-0.001209	0.004927	0.009337	0.009876	0.000047	-0.006833	-0.019266	-0.005556	0.020808	0.01075	0.004978	-0.012352	0.013206

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
288	-0.023395	-0.002188	-0.004601	-0.012183	0.023242	0.008343	0.001407	-0.015953	-0.005364	0.030795	0.005426	0.002788	-0.026113	-0.024699
289	-0.041339	0.009317	-0.026228	-0.035315	0.01182	-0.00263	0.000814	-0.019184	-0.017214	0.001622	-0.021051	-0.021192	-0.036485	-0.026094
290	-0.008999	0.00783	0.015984	-0.001142	0.013671	0.010102	0.006156	-0.00338	0.016426	0.01606	-0.004032	-0.002226	-0.023269	0.022199
291	-0.008498	0.007562	0.01303	-0.004624	0.014799	0.010912	0.006981	-0.003532	0.015158	0.017119	-0.001495	-0.000072	-0.022083	0.022111
292	-0.006028	0.007204	0.019163	-0.002255	0.021142	0.014	0.009881	0.001826	0.019569	0.015636	0.005241	0.005819	-0.016878	0.024317
293	0.000674	-0.015394	-0.007979	0.003993	0.012024	-0.010314	0.000052	0.003919	0.011216	0.019966	0.014265	0.016881	0.011243	-0.028911
294	-0.002248	-0.010513	-0.007208	0.003472	-0.002883	-0.019229	-0.01327	-0.016658	0.003767	-0.001237	-0.019609	-0.017272	-0.017913	-0.001163
295	-0.013567	0.005766	0.009709	0.011666	0.013513	0.001276	0.006551	0.009107	0.005683	-0.041593	-0.05707	-0.055676	-0.029252	-0.015457
296	-0.015656	0.006241	0.008889	0.004003	-0.004211	-0.003184	-0.005515	-0.021726	0.017863	-0.046974	-0.076419	-0.07642	-0.075899	0.009449
297	-0.007391	0.00781	0.013447	0.007345	0.001308	0.005247	0.006104	0.016827	0.007438	-0.044671	-0.045853	-0.04512	-0.0063	-0.024932
298	-0.000393	0.028234	0.021666	0.003746	0.003358	0.009651	0.003323	0.009834	0.005076	0.008515	-0.001314	0.00038	0.002706	0.000287
299	0.0053	0.001433	-0.000524	-0.005538	0.003712	-0.011814	-0.006604	0.009393	-0.001778	-0.017158	-0.012236	-0.008915	0.033291	-0.025438
300	0.011509	0.0204	0.011359	0.0003	-0.000424	0.013481	0.01155	0.004295	0.009903	-0.015771	-0.003433	-0.007796	-0.016374	-0.003114
301	-0.011435	-0.00018	0.013041	0.020353	0.014423	-0.01029	-0.006925	0.000353	0.012012	-0.002362	-0.01557	-0.01247	0.004921	-0.007093
302	-0.006342	-0.003219	0.006469	0.018553	0.010891	-0.010301	-0.004335	-0.017513	0.013031	0.002772	-0.021597	-0.019955	-0.029211	0.013486
303	0.010226	0.01209	0.00192	-0.010593	-0.0086	-0.00345	-0.006539	0.006614	0.006701	-0.017309	0.010323	0.010824	0.038044	-0.000063
304	0.008656	0.007594	0.015654	0.010644	-0.004816	-0.012612	-0.009649	-0.009565	0.0217	-0.006892	-0.000344	0.002581	0.021972	0.00023
305	-0.003867	0.003643	-0.00084	-0.004877	0.005152	-0.013046	-0.003572	-0.007685	-0.034622	-0.006432	0.001893	0.000004	0.001134	0.010604
306	-0.001576	-0.033696	-0.035817	-0.006334	0.016531	0.006509	0.019875	0.009287	0.046677	0.008262	-0.015033	-0.010771	-0.019942	-0.006926
307	-0.011399	0.015116	0.026375	0.010311	0.004828	0.020834	0.013075	0.009945	0.011318	-0.008491	-0.009759	-0.015209	-0.019231	0.006435
308	-0.013115	0.022364	0.022562	0.023783	0.024542	0.004128	0.006659	0.010973	-0.003987	-0.00957	-0.016101	-0.016257	0.013662	0.026646
309	0.001302	0.002845	0.007422	0.007573	-0.001632	-0.007295	-0.014179	-0.017966	-0.001898	0.018688	0.00724	0.005564	-0.018857	0.01019
310	0.006116	-0.00682	-0.015218	0.000959	-0.015685	0.001516	-0.004456	-0.012876	0.004179	0.019282	0.000243	-0.002703	-0.054908	0.032584
311	-0.008578	-0.001823	0.006688	0.008288	0.004446	-0.017078	-0.016455	-0.014397	-0.002595	-0.008151	-0.024564	-0.024576	-0.01422	-0.011374
312	0.000219	0.030201	0.039994	0.024613	-0.008764	-0.006312	-0.017665	-0.0066	0.034666	-0.036208	-0.020682	-0.022831	-0.003869	0.026586
313	0.006867	-0.011445	-0.005584	-0.002133	0.00313	-0.001044	-0.00791	-0.005367	0.022929	-0.011226	0.000398	-0.002891	0.001421	0.009625
314	0.000585	0.001901	-0.006703	-0.024598	0.00972	0.032347	0.026127	0.025345	-0.003	-0.002649	0.016963	0.015041	0.016639	0.001716
315	0.016243	0.008288	-0.004009	-0.018719	0.003963	-0.004659	-0.014463	-0.005616	-0.001516	0.012077	0.020119	0.014657	0.021752	0.007017
316	0.011548	0.000261	-0.010304	-0.005092	-0.017011	0.013824	-0.002817	-0.011417	0.012212	0.024227	0.024853	0.018394	-0.028375	0.040791
317	-0.005731	-0.000335	-0.014892	-0.010304	0.010182	-0.003254	-0.011019	-0.011535	0.004436	0.007679	0.000608	-0.002173	-0.010884	0.008505
318	0.003443	0.011988	0.034663	0.017442	0.024036	0.000307	-0.008951	-0.001221	-0.013205	0.015732	0.008715	0.005204	0.000439	0.003888
319	0.016652	0.00984	-0.001147	-0.012355	0.005834	-0.004171	-0.020379	-0.002354	0.007984	0.020144	0.017605	0.012669	0.021227	0.009315
320	0.014236	-0.002518	-0.007739	0.005685	0.021835	-0.014875	-0.009052	-0.004842	0.054874	0.030775	-0.007969	-0.00479	0.008027	0.022433
321	-0.010643	-0.002822	0.00876	0.010754	0.000311	-0.005896	0.003334	-0.002415	0.021723	-0.007759	-0.028697	-0.024852	0.002546	-0.009833
322	-0.015333	0.005695	0.00205	0.025815	-0.001876	0.005423	0.014679	-0.001972	0.003165	0.031213	0.014994	0.015118	-0.020107	0.012712
323	0.000573	0.013722	0.011529	0.016375	-0.003926	-0.020998	-0.011907	-0.001317	0.042073	0.019286	-0.000243	0.00215	0.030759	-0.001382
324	-0.005779	-0.032378	-0.026989	-0.011916	0.008674	-0.006195	0.00248	-0.032475	-0.070979	0.020909	-0.002489	-0.002746	-0.044251	-0.001086
325	0.004942	-0.013816	-0.018797	-0.01765	-0.020947	-0.009139	-0.019823	-0.020326	-0.009746	-0.014201	-0.007666	-0.011319	-0.025703	-0.001874
326	-0.010716	-0.032514	-0.030373	-0.020486	0.000763	-0.003684	-0.012465	-0.01297	-0.030054	-0.019132	-0.008578	-0.010861	-0.033407	-0.006557
327	-0.003692	0.004299	0.008167	0.005502	0.002752	-0.009125	-0.007481	-0.003707	-0.006884	-0.015067	-0.015559	-0.016697	-0.012547	-0.001543
328	-0.019987	0.002508	0.00027	0.002852	0.009939	-0.001848	0.004463	-0.00038	0.003246	0.024867	-0.019203	-0.01501	0.0152	0.01293

	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ
329	-0.006905	0.002306	0.008187	-0.002986	0.020144	-0.007873	-0.00705	0.003564	-0.002974	-0.012247	-0.009826	-0.010814	0.010278	0.004291
330	-0.005908	-0.003991	-0.007893	0.007424	-0.005319	0.003046	0.004633	-0.002812	0.009953	0.002456	-0.002518	0.000614	-0.025592	-0.012301
331	0.007758	-0.006704	-0.009472	-0.011898	-0.005637	-0.014436	-0.013036	-0.007008	-0.009276	0.004912	0.017978	0.016982	0.013827	-0.0024
332	0.002763	0.007653	0.017248	0.011541	0.015574	0.001118	-0.00981	-0.004432	-0.005093	0.023849	-0.011425	-0.011802	-0.016315	-0.006583
333	0.005779	-0.004058	0.000135	-0.003846	-0.008472	-0.012387	-0.018825	-0.01991	0.000364	0.012159	0.009299	0.007693	-0.01609	0.000005
334	0.001386	0.020385	0.052447	0.01644	0.002252	0.014863	0.000179	0.011301	-0.029124	-0.02647	0.000211	-0.002078	-0.010558	0.022168
335	0.016015	-0.014876	-0.012627	-0.006122	-0.012493	-0.018069	-0.026051	-0.010814	0.008295	0.00712	0.006856	0.004905	-0.000142	0.002823
336	-0.002731	0.010105	0.008226	0.016813	-0.019378	-0.000751	0.00616	0.001438	-0.000059	0.007108	0.007457	0.012062	-0.020161	-0.006525
337	0.009363	-0.011049	-0.008239	-0.012923	0.00054	-0.002828	-0.006605	-0.003107	-0.029747	-0.030906	-0.008384	-0.009339	0.004675	0.02183
338	-0.017037	0.047631	0.05987	0.02707	0.048057	0.006441	-0.005316	0.00466	-0.013676	0.006539	-0.041514	-0.041417	-0.03146	-0.012068
339	-0.014502	-0.001951	0.014699	0.018491	0.009672	-0.006523	-0.002225	0.001865	0.010701	-0.007286	0.006213	0.007689	0.03225	-0.00647
340	0.021312	0.01868	0.016804	-0.018682	0.037441	0.014923	0.004435	0.017497	-0.011324	0.002113	-0.004142	-0.011512	-0.00068	0.028038

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
1	-0.027815	-0.014963	-0.030467	-0.04043	0.029659	0.022362	0.049835	0.017356	0.007426	-0.000576	0.010204	0.009212	0.024097	0.046208
2	0.017546	0.024279	-0.028458	0.003692	0.017485	0.018916	0.00668	-0.019793	-0.010321	0.015076	0.026784	0.066951	0.014435	0.07555
3	0.07775	0.061108	0.029658	-0.025069	0.063885	0.056536	0.019465	-0.073112	-0.087487	-0.02439	-0.025838	0.041328	-0.005344	0.020255
4	-0.015324	-0.000268	-0.054466	0.127709	0.03584	0.070334	-0.023793	-0.017177	-0.014101	0.060341	0.059514	0.019736	0.011353	-0.022496
5	-0.04958	-0.037678	0.107849	0.023561	-0.032533	-0.024235	0.151601	-0.053245	-0.056983	-0.047644	-0.027192	0.001922	-0.015222	-0.01914
6	0.015226	0.040847	-0.029958	0.045889	0.065078	0.083917	0.04456	-0.013206	-0.007444	0.040172	0.049378	0.102155	0.104482	0.036326
7	0.0387	0.052515	0.007535	0.023119	-0.009756	-0.002215	-0.037728	-0.040808	-0.021132	-0.048704	-0.021596	-0.04458	-0.066053	-0.006091
8	-0.033127	-0.052147	-0.015801	-0.006272	-0.014606	0.018091	-0.041609	0.030348	0.034589	0.046173	0.036563	-0.013805	0.02512	-0.006312
9	0.004275	-0.001116	0.017194	0.03872	0.06411	0.094646	0.082157	-0.010084	0.009449	0.042227	0.064191	0.035922	0.011407	-0.047512
10	-0.004628	0.007259	0.064721	0.058761	-0.002077	-0.015851	-0.004414	0.041302	0.040764	0.014686	0.003596	0.030463	0.004826	0.043634
11	-0.033978	-0.010607	0.011754	-0.035982	0.027941	0.028714	0.041273	0.068373	0.07454	0.026668	0.028527	0.040999	0.0069	-0.012309
12	0.027226	0.003521	0.031223	0.023123	-0.100019	-0.119358	-0.058146	-0.005548	-0.019041	-0.005763	-0.009729	-0.005095	-0.024034	-0.019327
13	-0.015265	-0.001432	-0.011109	0.072909	0.020555	0.049667	-0.025643	0.032962	0.046186	0.095903	0.092278	0.082954	-0.026217	0.047564
14	-0.003531	-0.023155	-0.041184	-0.102363	-0.004427	-0.057187	-0.066873	-0.005708	0.005958	-0.079495	-0.08226	-0.071327	-0.026774	0.027754
15	0.031107	0.058514	0.04565	0.016635	-0.047569	-0.026532	-0.055052	0.020956	0.031542	0.02188	0.035068	-0.053782	-0.012181	-0.176182
16	-0.082703	-0.090733	-0.079637	-0.073313	-0.009187	0.000988	-0.010284	0.055602	0.049626	0.072551	0.063301	0.009899	-0.019539	-0.057144
17	-0.01296	-0.012369	0.022446	-0.025006	-0.043003	-0.06543	-0.02002	-0.039531	-0.033074	-0.10041	-0.090027	-0.029391	0.040688	0.054985
18	0.095053	0.106679	0.007683	0.096333	0.089867	0.060331	0.024892	-0.044617	-0.049978	-0.030327	-0.039517	-0.023383	0.003215	-0.046723
19	-0.053247	-0.03895	-0.008542	0.113774	-0.015111	-0.007581	0.020302	-0.018828	-0.014193	-0.021111	0.00874	-0.010164	-0.010377	-0.035275
20	0.047408	0.047599	0.024055	-0.01981	-0.022546	-0.016818	0.033449	-0.025712	-0.029602	-0.091238	-0.0958	-0.0427	0.068507	-0.031795
21	-0.048929	-0.047677	0.028873	-0.10053	0.021881	0.014386	0.05766	0.032523	0.028849	-0.018052	-0.02699	0.023152	-0.013226	0.031857
22	-0.012991	-0.054543	-0.024787	0.034561	0.061568	0.048368	0.004243	0.057041	0.035696	0.047532	0.03098	0.0068	0.025256	-0.03747
23	0.078004	0.076455	0.092058	-0.068664	-0.000784	-0.034636	-0.020045	-0.051236	-0.041827	-0.062403	-0.06175	-0.059865	-0.059219	0.009515
24	0.006144	0.000912	-0.026914	0.019594	-0.02244	-0.011233	-0.071718	0.020959	0.007862	0.068867	0.043081	-0.042627	-0.056287	-0.09595
25	0.019625	0.003756	0.119413	-0.061383	-0.083776	-0.074684	0.033644	0.007202	0.00591	0.048105	0.062151	0.109441	0.045943	0.042722
26	0.046978	0.01945	-0.019584	0.065604	-0.031702	-0.057673	-0.069943	-0.005742	-0.020079	-0.019082	-0.04125	-0.009776	-0.018573	0.010912
27	-0.033462	-0.032679	0.039323	0.056837	0.004792	0.009017	-0.029903	0.01318	0.023959	0.077442	0.067831	0.004329	-0.04867	-0.008888
28	0.040045	0.031309	0.026743	0.019313	0.021856	0.00238	0.005678	-0.053899	-0.078674	0.011496	0.004784	0.012795	-0.067585	-0.009022
29	0.014326	0.012424	0.009392	-0.01511	0.011025	0.004835	0.010427	0.005514	0.001098	-0.003802	-0.009903	0.004259	-0.006732	-0.005364
30	0.036215	0.049783	-0.037392	-0.082567	-0.027732	-0.018513	-0.027263	0.005144	0.016975	-0.038774	-0.030503	0.040212	0.059265	0.044279
31	-0.009337	-0.018964	0.00299	-0.011864	-0.035957	-0.067487	-0.00784	0.009596	-0.00192	-0.031892	-0.033198	-0.051018	-0.004493	-0.026562
32	-0.059034	-0.06501	-0.019161	0.073454	-0.060074	-0.052667	-0.003225	-0.001868	-0.003725	-0.006386	0.003251	0.033498	-0.000322	0.015033
33	-0.017622	-0.019084	-0.029938	-0.020296	-0.009832	-0.008823	0.044432	0.023289	0.025773	0.012629	0.002	0.061003	0.059223	0.005943
34	0.012917	0.012478	-0.011786	-0.026182	-0.014084	0.023875	-0.053187	0.032732	0.06196	0.056573	0.055938	0.011334	0.000338	0.034714
35	-0.001948	-0.023737	0.033921	0.04084	-0.072164	-0.03294	-0.009047	0.00245	0.037105	-0.014373	-0.008385	-0.066881	0.060469	-0.005746
36	0.032615	0.039465	-0.013086	0.016862	0.072414	0.068134	0.00452	-0.033162	-0.028462	0.030966	0.040236	0.013943	0.029898	0.048011
37	0.023514	0.043923	-0.033433	-0.0717	-0.066958	-0.053624	-0.109243	0.018797	0.028926	0.025029	0.011132	-0.110553	-0.049253	-0.011144
38	-0.018328	-0.015566	-0.054257	0.007933	-0.011178	-0.028309	-0.014643	-0.006538	-0.024669	-0.021078	-0.02631	-0.047767	-0.035922	0.000886
39	-0.020441	-0.030727	-0.059871	0.103235	0.064063	0.052569	0.037223	0.010817	-0.00496	-0.039205	-0.02869	-0.024778	-0.014354	-0.003373
40	-0.00555	-0.010933	-0.003584	0.028619	0.026851	0.024676	0.020055	0.000359	-0.000502	-0.000986	-0.00526	-0.005016	0.01122	0.007919
41	0.005451	-0.003813	0.02103	0.023792	0.016422	0.012614	0.01704	-0.010948	-0.010627	-0.04557	-0.05839	-0.076541	-0.005627	-0.028241

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
42	-0.022832	-0.017299	-0.003143	0.028892	-0.086907	-0.060925	-0.046396	0.013536	0.02143	-0.009321	0.001664	-0.013832	-0.055467	-0.023947
43	0.000092	0.004696	-0.047886	-0.007619	0.003683	-0.024534	-0.069056	-0.010298	-0.015875	0.012504	-0.019814	-0.030934	-0.045953	0.037279
44	-0.025633	-0.028144	-0.043504	0.014939	-0.013386	-0.028347	-0.044333	0.016596	0.003689	-0.023088	-0.026129	0.001694	-0.00693	0.030814
45	-0.020013	-0.009231	-0.021987	-0.013776	0.048028	0.073667	0.037372	-0.054742	-0.04073	0.015405	0.034212	0.045199	0.033559	0.028236
46	0.03011	0.033436	0.016446	0.041816	-0.03016	-0.033576	-0.008466	-0.010217	-0.017202	0.036422	0.029656	-0.004045	-0.013425	0.029279
47	-0.00485	-0.011313	0.001495	0.011328	-0.030632	-0.006274	0.010169	0.019007	0.044347	0.028394	0.054728	-0.001409	0.028322	0.044428
48	0.035858	0.047929	0.038081	0.000681	-0.041136	-0.062582	-0.02887	0.042212	0.011268	0.006613	-0.007967	0.026412	0.034976	0.02113
49	0.026781	0.055464	0.020758	-0.027988	-0.007285	0.05837	0.022585	-0.011317	0.028331	-0.054054	-0.02064	-0.047649	0.042825	-0.060325
50	-0.066043	-0.08029	0.060745	0.006515	0.042566	-0.012177	0.008053	-0.06358	-0.086222	-0.080201	-0.109305	-0.07546	-0.018419	0.015401
51	0.063932	0.034877	-0.059721	0.125851	0.01991	0.03179	0.001137	0.006998	0.00042	0.040208	0.023014	0.061313	-0.008831	-0.017921
52	-0.058962	-0.03591	0.071014	-0.008323	0.004803	0.043955	0.048634	0.03553	0.057099	0.010251	0.017418	-0.059258	-0.000292	-0.071024
53	0.000362	-0.013762	-0.114323	-0.027689	0.068677	0.038423	-0.063241	-0.009261	-0.013244	0.00285	-0.008213	-0.036604	-0.055663	-0.025966
54	0.022416	0.05869	0.037821	-0.158275	0.002216	0.014836	0.068797	0.025162	0.020404	0.014672	0.022492	0.035203	-0.004134	-0.037764
55	0.061852	0.08954	-0.039335	0.040744	0.046212	0.037847	0.034793	-0.058864	-0.055099	-0.107888	-0.082556	0.033849	-0.026258	0.085231
56	0.026569	0.006363	-0.00718	0.029219	0.008545	-0.016027	-0.018561	-0.027616	-0.02277	-0.049507	-0.05727	-0.062643	-0.01839	-0.084989
57	-0.030995	-0.016745	-0.003682	-0.0619	0.088838	0.104181	0.055389	-0.00374	0.019444	0.035886	0.011062	0.003327	-0.027496	-0.041909
58	0.040132	0.066568	0.046021	-0.024127	0.014766	0.040025	0.003558	0.000043	0.013268	-0.009651	0.000634	-0.006388	-0.021776	0.001538
59	-0.019816	-0.084699	-0.007427	0.022202	0.079126	0.036217	0.020687	-0.002791	-0.014171	0.026579	-0.001553	0.006579	0.035652	-0.050752
60	-0.001955	-0.003613	0.039496	-0.010102	-0.072174	-0.065261	-0.005545	0.009462	0.008169	0.013521	0.023998	0.00775	-0.015668	-0.006127
61	-0.018088	-0.015553	0.016779	0.013501	-0.048416	-0.036829	-0.009902	0.01162	0.009186	0.008915	0.010328	-0.001933	-0.006057	-0.010946
62	0.050678	0.048421	-0.015638	0.00832	-0.0417	-0.03245	-0.084433	0.012493	0.018423	0.024759	0.022562	-0.015797	-0.00921	-0.008148
63	0.013675	0.011945	-0.003905	0.033126	-0.016759	-0.01008	-0.013915	0.006493	0.003857	-0.006448	-0.009027	-0.01175	-0.004619	-0.027294
64	0.013573	0.014231	0.026287	-0.006045	-0.021329	-0.004219	-0.005294	-0.003362	0.008999	-0.006931	-0.000259	-0.021797	0.004286	0.000521
65	0.043986	0.043866	0.01992	-0.004039	0.002911	-0.008646	-0.005659	-0.00978	-0.014728	-0.015129	-0.01458	0.011418	-0.002286	0.004543
66	0.01373	0.01148	-0.013509	0.008734	0.008464	0.000473	-0.010776	-0.010806	-0.010125	-0.013553	-0.018063	-0.010053	-0.014167	-0.001698
67	0.008806	0.007667	-0.015841	-0.033895	0.018244	0.012251	0.016329	0.00548	0.000126	-0.009039	-0.010322	0.016631	0.021349	0.015565
68	0.014842	0.010003	0.01341	0.029294	0.031575	0.023121	-0.003985	0.004136	0.002667	0.001648	-0.004154	-0.005753	-0.001281	-0.018775
69	-0.009501	-0.016048	-0.015965	-0.009976	0.008738	0.014453	-0.014606	-0.009169	-0.005119	-0.00593	-0.005251	-0.001474	0.009275	-0.006805
70	-0.011771	-0.012981	-0.013149	-0.032076	0.001536	0.005817	0.000159	0.003086	0.006203	-0.001046	-0.000928	-0.008419	0.007182	-0.013959
71	0.001428	-0.011807	0.007695	0.029657	0.015798	0.013824	0.009784	-0.003771	-0.012097	0.018925	0.014225	0.023292	0.010173	-0.008339
72	0.01567	0.003792	0.007044	0.017002	-0.005153	-0.00632	0.005113	-0.020842	-0.026991	-0.003402	0.001125	0.005329	0.012573	-0.027619
73	-0.012065	-0.015082	-0.007279	-0.020381	0.002071	-0.007941	-0.008789	0.006845	0.003781	-0.022621	-0.020104	-0.030057	0.027484	-0.02723
74	0.010321	0.015526	0.031525	0.01929	-0.001406	-0.005576	0.000842	-0.001349	0.001091	-0.001382	-0.00015	-0.020089	-0.020522	-0.041012
75	0.001678	0.000143	0.004475	0.008126	-0.009593	-0.009148	-0.00576	0.007021	0.003417	0.003057	0.001646	-0.002629	0.004227	-0.004975
76	0.01203	0.022313	-0.004981	-0.01271	0.006471	0.016152	0.000641	-0.006588	-0.005526	0.010065	0.010563	0.014533	-0.005009	-0.004213
77	-0.002714	-0.006571	0.000531	0.00842	-0.002666	-0.004829	-0.006826	0.002832	-0.002587	-0.000182	-0.004273	-0.001575	0.004764	-0.010338
78	-0.005704	-0.011371	-0.001171	0.00133	-0.002918	-0.008339	-0.003609	0.010745	0.003313	0.004537	-0.000812	-0.002977	0.008637	-0.013716
79	-0.012709	-0.013323	0.005525	-0.008618	-0.008303	0.001226	-0.006145	0.006252	0.011172	0.009609	0.010509	-0.019729	-0.00095	0.000155
80	-0.002001	0.018171	0.010029	-0.023376	0.016087	0.03123	0.033826	0.010141	0.01935	0.00809	0.015966	0.031949	0.004639	0.017033
81	0.012901	0.020541	0.014064	0.004177	-0.004097	-0.003071	-0.004657	-0.007674	-0.002921	-0.018332	-0.013198	0.019597	0.008926	0.007722
82	-0.002783	-0.000506	-0.008749	-0.003439	0.0053	0.001088	0.003559	-0.002494	-0.002799	-0.006127	-0.007101	-0.014527	-0.011447	0.010712

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
83	-0.003895	-0.000189	-0.007472	-0.001861	0.009508	0.007034	0.016285	0.005701	0.000476	0.006398	0.005396	0.008305	-0.005691	0.017115
84	-0.003463	-0.006909	-0.001006	0.000138	0.01748	0.012512	0.025109	0.001339	-0.007178	0.001718	0.000304	0.016505	0.006749	0.015661
85	-0.005846	-0.004106	-0.00952	-0.025063	-0.007616	-0.008276	-0.025809	-0.008742	-0.008696	0.003452	0.003935	0.004385	0.011358	0.037883
86	-0.013301	-0.023526	-0.012316	0.015341	0.015987	0.011378	0.004678	-0.002936	-0.00974	0.021785	0.015682	0.019888	0.011767	0.001135
87	-0.015473	-0.009269	-0.0206	-0.014617	0.019099	0.031335	0.026497	0.014412	0.017485	0.019321	0.025286	0.027373	0.008057	0.010229
88	-0.004067	-0.001168	-0.0057	-0.013583	0.008556	0.00125	0.017292	0.003157	-0.001989	-0.010463	-0.009548	-0.005986	-0.004803	0.006785
89	-0.00826	-0.013295	-0.005164	-0.003018	0.021904	0.014055	0.019865	0.007704	0.001554	0.008943	0.005	0.009565	0.004015	0.006794
90	-0.000916	-0.00054	0.002799	0.004327	0.01646	0.017385	0.017193	0.003952	0.001844	0.01036	0.012332	0.018298	0.004819	0.011
91	-0.001138	-0.007112	0.002829	-0.009364	0.021679	0.010584	0.020548	-0.00453	-0.009337	-0.004978	-0.00618	0.001227	0.014263	0.014854
92	-0.014491	-0.019489	-0.019304	-0.025324	0.00242	-0.004114	0.012031	0.00893	0.00031	-0.007173	-0.007705	0.005688	0.033227	-0.010615
93	-0.004128	0.001209	0.012235	-0.003854	0.01235	0.022193	0.024407	0.008941	0.005746	0.013817	0.0136	0.017009	0.014904	-0.006873
94	-0.009803	-0.01905	-0.004882	-0.035032	-0.022568	-0.037253	-0.004387	-0.00503	-0.009117	-0.017873	-0.017899	-0.025853	-0.016997	0.003387
95	-0.003996	-0.018277	-0.007909	0.023095	0.013773	0.016025	0.000905	-0.00988	0.000489	-0.008075	-0.011872	-0.01077	0.004372	0.020909
96	-0.00754	-0.008759	0.018724	-0.027822	-0.000619	0.004442	0.012526	0.000548	0.005577	0.011076	0.017089	-0.014475	-0.008553	-0.012473
97	0.011434	0.020685	0.033272	-0.035075	-0.022108	-0.02062	0.015964	-0.015046	-0.00545	-0.049091	-0.041327	-0.023912	-0.01562	0.007732
98	0.007025	0.009912	0.012001	0.002393	-0.001275	0.000897	0.005553	-0.008118	-0.005422	-0.003294	0.001321	-0.002994	-0.002026	0.009876
99	0.013403	0.014048	0.018992	-0.006973	-0.000288	-0.01242	0.009045	-0.029722	-0.030066	-0.04683	-0.040123	-0.017374	-0.003401	0.006557
100	0.006423	0.003988	0.001633	0.018831	-0.022534	-0.017536	-0.023481	0.000037	-0.000119	0.001303	-0.002289	-0.024083	-0.014255	-0.032146
101	0.009061	0.016628	0.017077	-0.00539	0.000347	0.007791	0.014404	-0.006381	-0.000719	-0.010347	-0.003846	0.00264	0.005892	0.006857
102	-0.023058	-0.030598	0.004022	0.003484	-0.0027	-0.001572	0.01021	0.020488	0.022488	-0.005834	-0.007676	-0.007483	0.019158	-0.00782
103	-0.02083	-0.031262	-0.015038	0.040022	-0.020775	-0.016209	-0.01443	0.022147	0.026051	-0.012813	-0.013928	-0.019767	-0.00952	0.013688
104	0.026243	0.031783	0.017593	0.004582	-0.004214	-0.005823	0.005814	-0.005182	-0.002149	-0.023272	-0.020509	-0.006954	0.009276	-0.005251
105	0.021194	0.028233	0.015857	0.020192	0.007402	0.012322	0.002459	0.015291	0.007711	0.024599	0.030449	0.010142	-0.003344	-0.026457
106	-0.0127	-0.016025	-0.022778	-0.002519	-0.010396	-0.016995	-0.018693	0.012269	0.009245	-0.00363	-0.011408	-0.007455	-0.006483	0.016291
107	0.014057	0.017453	-0.022569	-0.001935	0.006069	-0.006163	-0.018249	-0.015564	-0.022245	-0.026849	-0.026569	0.00559	-0.008637	0.003181
108	-0.006516	0.005442	0.008829	-0.014023	0.047	0.062512	0.018942	0.007003	0.01516	0.021054	0.028351	0.011916	-0.002371	0.007611
109	0.025456	0.030994	-0.024855	0.020746	-0.021897	-0.009342	-0.039012	0.000179	0.011073	0.006503	0.01728	0.013677	0.028426	0.008754
110	-0.004575	-0.007424	-0.005342	0.075064	-0.029982	-0.022798	0.021513	-0.021114	-0.031944	-0.034787	-0.025317	0.013869	0.014549	0.041442
111	0.002995	0.004778	-0.006426	0.00855	0.020237	0.027112	0.008496	0.009806	0.012785	0.001098	0.014488	-0.014576	-0.011205	0.007052
112	-0.009844	-0.015977	-0.009581	0.007964	0.03258	0.039637	0.010264	-0.011734	-0.023396	0.019624	0.013226	0.012876	-0.004597	0.004039
113	-0.011506	-0.015255	-0.006961	0.007582	0.009743	0.005435	-0.034895	-0.009939	0.003849	-0.017926	-0.015437	-0.037925	-0.007613	0.019916
114	-0.027089	-0.008453	-0.037165	0.015873	0.046109	0.045357	0.007094	-0.009048	0.000031	0.002013	0.008898	0.035932	0.018252	0.025992
115	0.032342	0.030242	0.006839	0.025782	-0.003694	-0.003445	0.010416	-0.020699	-0.029398	-0.015889	-0.006616	-0.002715	0.003999	-0.006042
116	0.019515	0.018002	-0.014966	0.022589	-0.008176	0.002225	-0.016586	0.00942	0.002879	-0.002195	-0.004882	-0.000655	0.019007	-0.019489
117	0.0033	-0.003575	0.020129	0.040997	0.023717	0.032277	0.026249	-0.000149	0.002232	0.004	0.010991	-0.000142	-0.020967	0.005508
118	0.016835	0.01238	-0.024059	-0.045503	0.028377	0.039147	-0.01876	-0.001426	0.013914	0.002671	0.003071	-0.003452	0.016437	0.002939
119	0.010907	0.002347	-0.008584	-0.004831	0.01001	0.019635	-0.00279	-0.020391	-0.015456	-0.010464	-0.009262	-0.000462	-0.007073	-0.017782
120	-0.014641	-0.02372	0.00871	-0.005079	0.029121	0.027904	0.005912	0.012591	0.01886	0.00112	-0.007451	-0.021163	-0.000717	-0.014786
121	0.021587	0.011253	0.004836	0.033893	-0.012296	-0.03197	-0.031045	-0.00474	-0.009906	-0.024741	-0.029493	-0.055255	-0.011152	-0.003895
122	-0.014811	-0.013937	0.010347	-0.009748	-0.02897	-0.020239	-0.003821	0.006036	0.005553	0.003816	0.002334	0.016622	0.011164	0.03672
123	0.006444	0.00012	-0.017697	0.037271	-0.006578	0.003819	-0.033638	0.000216	0.000186	0.013455	0.005002	0.006274	0.003496	0.012014

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
124	0.015979	0.009652	-0.002358	0.006317	-0.012657	-0.001914	-0.020376	-0.011366	-0.009076	0.002589	0.000735	0.004117	-0.02217	-0.006793
125	0.016794	0.008337	0.021326	0.025364	0.014664	0.010851	-0.00217	-0.020321	-0.019591	0.011212	0.002126	-0.016868	-0.019512	0.00047
126	0.010862	0.00343	-0.017091	-0.006417	-0.002391	-0.00977	-0.021382	0.002196	0.003898	-0.009333	-0.010746	0.004014	0.016855	0.012832
127	0.012504	0.007402	-0.002734	-0.021069	-0.001885	-0.008099	0.00959	-0.003539	-0.008148	-0.008638	-0.008726	0.010518	0.011167	0.008161
128	0.005481	0.008636	-0.001474	0.014071	-0.002606	-0.00448	-0.005888	-0.008639	-0.011601	0.007297	0.001157	0.004822	-0.005619	-0.009198
129	-0.021233	-0.013622	0.020698	-0.00797	-0.031652	-0.00187	0.014331	0.021188	0.023474	0.004148	0.013933	0.025522	0.008542	0.012861
130	0.016292	0.021005	0.002772	-0.027134	-0.029291	-0.032154	-0.027429	0.000623	-0.002467	-0.002301	-0.010237	-0.012669	0.008434	0.01501
131	-0.003425	0.004852	0.030503	-0.009995	-0.026514	-0.005127	0.015493	-0.004348	0.003823	-0.036773	-0.019085	-0.011893	-0.012035	0.024943
132	-0.00272	-0.002949	-0.002867	0.007226	0.012466	0.019673	0.005427	-0.006555	-0.003585	0.010919	0.011537	0.001462	-0.002955	-0.002252
133	0.006849	0.003801	0.015243	0.031135	-0.029042	-0.031331	0.003045	-0.016955	-0.013759	-0.031632	-0.026022	-0.011499	-0.012455	0.031229
134	0.019221	0.011492	-0.029289	-0.026377	-0.008563	-0.010802	-0.014802	0.009668	0.002559	0.011657	0.008356	0.000642	-0.001511	0.000693
135	-0.002064	-0.010953	-0.000585	-0.00231	0.000663	-0.005353	-0.004736	0.005304	0.004492	0.01448	-0.000056	-0.010547	-0.004391	-0.014559
136	-0.007989	-0.009941	-0.022101	0.029039	-0.014582	-0.002944	-0.002091	0.004466	0.007761	0.003832	0.008827	0.004178	0.009392	0.013633
137	0.005567	0.005643	-0.001242	-0.012467	-0.008946	-0.013821	-0.030678	-0.000504	-0.002728	0.010867	-0.000803	-0.011207	-0.021305	-0.008379
138	-0.012691	0.003877	0.008556	-0.041836	0.005939	0.022358	0.022883	0.003731	0.014177	0.009337	0.016983	0.016209	0.019549	-0.006536
139	-0.005167	0.005608	0.001449	-0.047437	0.000887	0.000205	-0.034319	0.016473	0.019693	-0.001899	-0.002306	-0.009257	-0.002296	-0.004133
140	-0.005241	0.010539	0.017946	-0.003756	0.026327	0.025147	0.019664	-0.032089	-0.035872	-0.017771	-0.018353	-0.002301	0.013015	0.024246
141	-0.0147	-0.027326	-0.022966	0.006584	0.004017	-0.0098	0.000146	-0.001134	-0.010148	0.01088	-0.006195	0.001172	0.004276	-0.008514
142	-0.013564	-0.002059	-0.011433	0.019462	0.006285	0.025955	0.006129	0.007766	0.0166	0.020337	0.024782	0.015423	0.007917	0.023873
143	0.003696	0.018578	0.027364	0.00205	-0.019415	-0.005682	0.008313	-0.002171	0.000825	0.004125	-0.00021	0.00763	0.009977	0.01953
144	-0.015721	-0.019268	-0.005211	0.035747	-0.0278	-0.007093	-0.001055	0.008351	0.015873	0.009324	0.008441	0.007172	0.008222	-0.004752
145	-0.006516	0.00688	0.001547	0.015219	-0.026913	0.000744	0.007633	-0.002507	0.019572	-0.010093	0.003489	0.005134	0.015511	0.024056
146	0.00227	-0.00102	-0.006139	-0.01243	0.009234	0.003078	-0.020341	-0.000015	0.002393	-0.000242	-0.013221	-0.01855	-0.00896	0.000178
147	0.001139	0.010776	-0.010574	0.004075	0.035963	0.035931	0.016481	0.0088	0.013313	-0.014656	-0.01268	0.023668	0.021455	0.032241
148	-0.034355	-0.019533	-0.030471	-0.037321	0.007932	0.021312	-0.015153	0.020551	0.029964	0.016203	0.008553	0.018965	-0.00499	0.032255
149	-0.001961	0.001802	-0.001048	-0.000114	-0.011364	-0.017732	-0.00099	-0.00915	-0.00763	-0.016471	-0.01746	-0.018227	-0.006975	0.00354
150	0.005484	0.008234	0.016458	-0.008748	0.010035	0.012697	-0.019164	0.010683	0.008503	0.012202	-0.005134	-0.022228	-0.002101	-0.015201
151	0.020373	0.02928	-0.008018	-0.010564	0.003739	0.003363	0.019951	-0.01374	-0.014113	-0.027917	-0.025066	0.004075	0.005943	-0.029889
152	-0.008274	-0.014411	-0.016284	-0.001675	0.026888	0.020718	0.022591	-0.009985	-0.019751	0.000574	-0.000532	0.017513	0.0019	0.007353
153	0.006934	-0.005417	-0.024053	0.014652	-0.007079	-0.009125	-0.029657	0.004289	-0.000492	0.01225	0.00206	0.023063	0.01435	0.012814
154	-0.002819	-0.004519	0.000976	0.024607	-0.018442	-0.007136	0.012357	0.010839	0.012435	0.001825	0.00455	-0.001317	0.018879	-0.001017
155	-0.003569	0.002703	-0.000425	-0.022334	0.003954	0.018702	0.001477	0.010118	0.019347	0.018142	0.022994	0.01914	0.013923	0.013239
156	0.011686	0.009152	0.025068	0.007882	-0.015301	-0.018702	0.001327	-0.003244	-0.001844	-0.024432	-0.030003	-0.030575	-0.004546	-0.016967
157	0.000058	-0.003081	0.004782	0.018924	-0.007355	-0.008036	-0.011375	-0.009393	-0.009594	-0.006003	-0.012454	-0.019453	-0.010648	0.00126
158	0.001932	0.005242	0.008479	-0.040421	-0.007314	-0.020392	0.023593	0.002253	-0.005196	-0.000766	-0.002241	0.02134	0.002581	0.011472
159	0.007279	0.024334	0.021333	-0.003674	-0.005803	0.014026	0.023503	0.021545	0.023369	0.029742	0.033502	0.023557	0.009147	-0.034593
160	0.017497	0.006922	0.000807	0.015226	-0.018606	-0.026779	-0.024014	-0.038015	-0.038204	-0.033756	-0.043606	-0.004268	-0.023837	0.018248
161	-0.015289	-0.004205	-0.019062	-0.034739	-0.003085	0.000368	-0.013469	0.012384	0.004575	0.025168	0.017979	0.033399	0.001127	-0.023343
162	-0.001932	-0.002838	-0.006745	-0.004716	0.007144	0.021459	0.003883	0.000638	0.008877	-0.002874	-0.010124	-0.019295	-0.003055	-0.018384
163	-0.001612	-0.001009	-0.007653	-0.0057	0.006267	0.004033	0.00922	-0.007197	-0.011942	0.002057	-0.003038	-0.004646	-0.023793	0.002987
164	-0.00653	0.005862	0.000524	0.010215	-0.001274	0.010392	0.021847	-0.013813	-0.002406	-0.035275	-0.016637	-0.009093	-0.002449	-0.002636

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
165	0.021189	0.018731	-0.003734	0.01974	0.013233	0.007106	0.006934	-0.022343	-0.022469	0.014155	0.016994	0.032119	-0.025342	0.000572
166	-0.020032	-0.020377	-0.007065	0.01556	-0.02219	0.001861	-0.022886	0.012462	0.035001	0.035271	0.042354	-0.000365	-0.025033	0.010992
167	0.001726	0.003626	0.018228	0.032345	-0.001082	0.003384	-0.006409	-0.015469	-0.002	-0.009386	-0.001197	-0.025486	-0.001976	0.006315
168	0.01839	0.016017	0.006737	-0.024294	-0.023977	-0.034704	-0.020128	-0.009811	-0.014901	-0.020018	-0.022959	-0.008854	0.004548	-0.009629
169	0.009277	0.014239	0.015604	-0.007871	-0.000065	0.004776	0.009478	-0.005491	-0.000971	-0.011913	-0.009395	0.003445	0.007308	0.017067
170	0.005629	0.011552	0.011183	-0.017127	-0.009062	-0.004058	0.019077	-0.005778	-0.004239	-0.015014	-0.011381	0.022164	0.012024	0.024139
171	0.003876	0.003921	-0.003004	-0.00902	0.002474	-0.003499	-0.00975	-0.001384	-0.004701	-0.000205	-0.00281	0.003947	0.010269	0.003788
172	0.013419	0.010385	0.010812	-0.010457	0.01614	0.009097	-0.000378	-0.006881	-0.002874	-0.003281	-0.00557	0.008268	-0.00791	-0.000189
173	0.019933	0.017605	0.007059	0.017591	-0.003483	-0.012685	-0.01331	-0.003032	-0.001134	0.001896	0.002225	0.009181	0.008953	0.009773
174	-0.002442	-0.001036	0.003519	-0.019097	-0.016938	-0.025829	-0.010873	0.004462	0.008841	-0.002915	-0.003975	-0.011671	0.005342	-0.002698
175	-0.017555	-0.015232	-0.002714	-0.051618	0.003963	-0.002426	-0.017631	0.002626	0.003813	0.008327	-0.002348	-0.018646	-0.027407	0.006328
176	0.004953	0.003059	0.0161	0.004395	0.004128	-0.007032	-0.007464	-0.006058	-0.012093	-0.001582	-0.005793	-0.018667	-0.042271	-0.004411
177	0.014566	0.006303	0.026002	0.000403	-0.002712	-0.009885	0.018949	0.007738	0.009095	-0.030174	-0.025132	-0.01115	0.020906	-0.053753
178	0.002404	0.001387	-0.01241	0.007287	-0.00355	-0.012071	-0.018692	-0.000036	-0.006836	-0.009986	-0.014223	-0.004167	-0.012811	-0.015157
179	0.000473	0.006082	0.002511	0.005818	0.006131	0.010247	0.004711	-0.006866	-0.004069	-0.006461	-0.001092	0.0054	0.00832	0.010355
180	-0.000516	-0.00274	0.001553	0.008651	0.00281	0.000956	-0.002784	-0.002984	-0.002983	-0.004161	-0.003034	0.004659	0.009804	0.011996
181	0.002506	0.00268	0.003623	0.012686	-0.004623	-0.002913	-0.00048	-0.004098	-0.004469	-0.002826	0.002368	0.012192	0.006593	0.015912
182	-0.010824	-0.013909	0.003472	0.008514	-0.007167	-0.010107	0.004918	-0.002048	-0.006908	-0.007404	-0.005987	0.010112	0.007321	0.001551
183	-0.003091	-0.007019	-0.008983	0.017869	-0.001218	0.001148	-0.014485	0.000983	-0.001447	0.009913	0.008449	-0.002787	0.008735	-0.01929
184	-0.008778	-0.007778	-0.030357	0.018752	0.006414	0.020605	-0.03261	0.006579	0.015412	0.034432	0.028019	-0.02237	-0.014626	-0.038936
185	0.01189	0.0039	0.021182	0.023005	-0.004181	-0.006804	-0.019428	0.00733	0.000755	0.027506	0.018773	0.012833	-0.002282	-0.011331
186	0.003582	-0.004762	-0.03882	-0.01798	-0.002332	-0.007038	-0.051613	0.016063	0.016624	0.015662	0.008217	0.009479	0.008092	0.019982
187	0.001035	-0.004335	-0.004717	0.017223	0.011304	0.01337	0.013267	0.005624	0.01116	-0.000714	-0.001556	0.004097	0.012279	-0.013473
188	-0.013739	-0.018878	0.000743	-0.001789	0.00019	0.001072	0.015039	0.009007	0.014592	-0.005028	-0.007527	-0.008174	0.015642	-0.024503
189	-0.027647	-0.023669	0.007686	-0.018038	-0.003538	0.0137	0.013344	0.017597	0.02724	0.01024	0.006092	-0.024816	0.00325	-0.020131
190	0.001081	0.000727	0.000787	-0.002748	-0.012884	-0.011584	-0.022526	-0.00913	-0.004087	-0.000174	-0.00288	-0.029652	-0.026801	-0.006651
191	0.00775	0.009737	0.006417	-0.010607	-0.003927	0.00148	0.006936	-0.009136	-0.003081	-0.007757	-0.005628	-0.005868	0.00235	0.003555
192	0.00041	0.00285	0.003305	-0.026979	-0.004086	-0.009784	0.027327	-0.015923	-0.019373	-0.033023	-0.032638	-0.00646	0.023199	-0.006714
193	-0.002697	-0.01266	-0.017478	0.003458	0.004187	-0.00162	0.000329	-0.001232	-0.002157	0.002898	-0.001622	0.014196	0.002051	0.00292
194	0.004749	-0.003244	0.005773	-0.012247	0.017707	0.016144	-0.000758	-0.000734	0.001314	-0.002312	-0.008881	-0.013498	-0.003217	-0.009561
195	0.009323	0.018177	-0.00528	0.022535	0.018054	0.025606	-0.004516	-0.002808	0.000844	0.009657	0.014767	0.016587	-0.031557	0.035218
196	-0.001844	0.003398	-0.001881	-0.013074	0.001246	0.004762	-0.010203	-0.007245	-0.003637	-0.004458	-0.00249	-0.018445	-0.025448	0.010481
197	0.000791	0.001117	0.012379	-0.004253	-0.00903	-0.013453	0.008334	-0.022524	-0.021726	-0.021076	-0.020255	-0.024529	-0.015866	0.006217
198	0.009532	0.008558	-0.017536	0.004174	0.040603	0.03235	-0.006249	0.00165	-0.004528	0.01418	0.004225	0.030698	-0.040695	0.00852
199	-0.019253	0.008421	0.010696	-0.007187	0.009095	0.020581	0.045492	-0.00111	0.01241	-0.025805	-0.009848	-0.02973	-0.017682	-0.019777
200	0.016529	0.012381	-0.017968	-0.007772	0.012809	-0.001176	-0.018505	-0.010214	-0.015475	-0.005437	-0.006678	0.011149	-0.02607	-0.011515
201	0.012057	0.000144	-0.007023	0.012081	0.008717	-0.011817	-0.000564	-0.000194	-0.018727	-0.021663	-0.026942	0.016168	0.00642	-0.002105
202	0.00899	-0.001221	-0.022649	0.002298	0.024544	-0.001068	-0.005927	-0.007912	-0.020189	-0.010453	-0.017433	0.012466	-0.031358	0.013835
203	0.004119	0.01652	0.019729	-0.01028	-0.021461	0.008097	0.010134	0.003989	0.017225	0.009533	0.018512	0.004494	-0.003224	-0.019053
204	0.030683	0.016196	0.027828	0.006765	-0.015663	-0.022947	-0.013804	-0.008746	-0.017907	-0.012212	-0.008604	0.00408	-0.007022	-0.009802
205	0.0025	0.003715	0.014383	-0.014922	0.029632	0.029504	0.010608	-0.015142	-0.014945	0.039344	0.03895	-0.002827	-0.0244	0.015535

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
206	-0.009123	-0.02027	0.003431	0.007744	-0.014649	-0.015898	-0.028175	-0.007546	-0.009243	0.009265	0.010784	-0.007389	-0.030451	0.025572
207	0.001539	-0.013658	-0.002673	-0.002578	-0.003368	-0.006397	0.014431	-0.021952	-0.028195	-0.014591	-0.010479	0.00114	0.013274	-0.002423
208	0.004915	-0.00352	0.013738	0.01007	-0.004017	0.014396	0.03172	-0.00883	-0.005881	0.002226	0.011529	0.016922	0.009696	0.011914
209	-0.011096	-0.012922	-0.012516	-0.012647	-0.028092	-0.036845	-0.000535	0.011304	0.004851	0.001059	-0.002487	-0.020378	-0.013487	-0.012821
210	-0.014118	-0.005118	-0.011779	0.029894	-0.004414	-0.012726	-0.032714	0.026185	0.020955	-0.009233	-0.00858	-0.010325	-0.015194	0.014095
211	-0.0037	-0.002351	-0.009072	0.003217	-0.010939	-0.030116	-0.023153	0.014399	0.008223	-0.026367	-0.029063	-0.027446	0.016363	-0.008493
212	0.012395	0.023125	-0.015061	0.028738	0.02055	0.027449	-0.005653	-0.012568	-0.005401	-0.011859	-0.005441	-0.011961	-0.024895	0.016352
213	-0.019712	-0.022396	-0.012913	-0.021157	0.0131	0.027661	-0.010433	0.004444	0.015046	-0.00914	-0.001058	0.02678	0.013469	-0.000009
214	-0.00226	-0.006086	-0.005978	0.017086	0.002204	0.004589	-0.009083	0.000595	-0.000562	0.002727	-0.000118	-0.008294	0.01065	-0.005156
215	0.017144	0.013367	0.014348	-0.015551	-0.001279	0.001727	-0.000331	-0.001152	-0.001555	0.005338	0.008921	0.009026	0.009201	0.012472
216	0.010645	0.010706	-0.016192	-0.028279	0.013378	0.008223	-0.009724	0.013707	0.012632	-0.002822	-0.002685	-0.006564	0.011474	0.003326
217	0.015528	0.028988	-0.008123	-0.017684	0.027794	0.03787	-0.016543	0.006202	0.014629	-0.00175	-0.000049	-0.024118	-0.021457	-0.021349
218	-0.011797	-0.009749	0.014721	-0.006827	-0.027551	-0.022658	-0.005196	0.015651	0.015607	0.018225	0.017143	0.012998	0.017416	0.022203
219	0.011411	0.019295	-0.04248	0.005494	0.009289	0.017712	-0.035831	0.018714	0.022323	0.016744	0.014477	0.003649	0.017602	0.017984
220	0.054164	0.055776	0.027307	-0.013823	-0.042066	-0.033184	-0.057172	0.004365	0.009978	0.008413	0.008619	-0.030356	-0.033677	-0.019654
221	0.035053	0.031334	0.015978	0.007018	0.01184	-0.001292	-0.017377	-0.008267	-0.00974	-0.002447	-0.006068	0.00032	0.012767	0.020445
222	0.014751	0.018043	0.004314	-0.03089	-0.005163	-0.008272	0.004392	-0.00037	-0.001475	-0.004574	-0.004652	-0.000793	0.014617	0.019491
223	0.019948	0.014455	0.005481	-0.00992	-0.014063	-0.018268	-0.013413	0.006208	0.002478	0.006941	0.008126	0.014914	0.015689	0.028189
224	0.000645	-0.008064	0.004249	-0.036367	0.009548	-0.013414	-0.000714	0.00254	-0.000184	-0.030625	-0.026683	-0.03891	-0.02155	-0.002037
225	0.002277	-0.006521	0.012549	-0.033178	0.013305	-0.007449	0.010933	0.00363	0.00233	-0.03202	-0.025657	-0.028595	-0.009115	0.003103
226	0.012151	0.015198	0.01521	0.002071	-0.000177	0.004513	0.012974	-0.021501	-0.02127	-0.012459	-0.012818	-0.002723	-0.003175	0.014953
227	0.019091	0.021827	0.033764	-0.012039	0.016758	0.005534	0.014048	-0.021805	-0.024346	-0.034385	-0.03384	-0.019619	-0.007573	0.012663
228	-0.013095	-0.01909	-0.022736	-0.086351	0.000201	0.000015	0.002224	-0.001532	-0.003422	0.000059	-0.006541	-0.012526	-0.007352	0.010774
229	0.019609	0.01535	0.005598	-0.025084	0.008322	0.022979	0.01743	0.003064	0.015547	0.02384	0.027476	0.044654	0.013725	0.025383
230	0.020207	0.01152	-0.010318	-0.002745	0.016719	0.004228	-0.01067	-0.003099	-0.00645	0.010054	0.006433	0.016227	0.004648	0.007019
231	0.003509	0.005929	-0.014017	0.024626	0.031263	0.033076	0.014955	-0.007343	-0.006976	0.019312	0.024701	0.026851	-0.005721	0.014713
232	-0.006134	-0.009706	0.000092	-0.052758	0.008477	0.004517	0.012683	0.000006	-0.00422	0.012958	0.008496	-0.005492	-0.024868	0.010739
233	-0.007377	-0.004354	0.005433	-0.051647	-0.018796	-0.019653	0.007692	0.021596	0.015721	0.005924	0.005239	0.037913	0.022372	0.020257
234	0.002775	0.006371	-0.015578	-0.035891	0.004892	0.007758	-0.006852	0.000757	-0.005396	0.017457	0.015451	0.004426	0.00102	-0.00721
235	0.00438	0.003767	-0.016481	-0.05247	0.003733	-0.004002	-0.018372	-0.001108	-0.004198	0.003604	0.00064	-0.006459	-0.013258	-0.004339
236	-0.025369	-0.027174	-0.001196	-0.002468	0.000684	-0.001289	-0.023591	0.01217	0.012214	0.026655	0.024093	-0.020711	-0.038717	0.002818
237	-0.052629	-0.050085	0.01295	0.002277	0.005977	0.023339	0.043035	0.022243	0.028403	0.021454	0.026582	0.003524	0.023094	-0.033999
238	-0.011372	-0.006827	-0.058915	0.017679	0.04628	0.054662	0.007725	0.013174	0.014901	0.018671	0.021427	0.017586	0.024732	-0.008833
239	-0.011728	-0.007654	-0.08099	0.020633	0.038495	0.040159	-0.0118	0.013618	0.008811	0.019672	0.019705	0.024969	0.009406	0.016196
240	0.021806	0.025587	-0.002163	0.014394	0.010409	0.01729	0.003006	-0.00781	-0.0017	-0.007944	-0.006201	0.000435	0.008072	0.001546
241	0.00261	0.002781	0.011771	-0.028878	-0.016695	-0.017684	0.001867	0.012934	0.009889	-0.007968	-0.008092	0.002306	0.017397	-0.001564
242	-0.013524	-0.013362	0.005999	-0.064588	-0.021273	-0.025037	-0.02715	0.02521	0.019968	0.027956	0.02331	-0.007245	-0.025229	-0.007564
243	0.000611	0.004285	-0.024327	-0.12595	0.004222	-0.002858	-0.035407	0.03252	0.02962	0.009969	-0.001329	-0.011919	-0.013015	-0.013923
244	0.008617	-0.002121	-0.002652	0.016549	0.036118	0.018862	0.008601	0.001858	-0.00508	-0.000118	-0.008178	0.019062	0.009655	-0.000085
245	-0.009115	-0.010371	0.016462	0.019816	-0.011871	-0.015978	0.008275	0.015092	0.0141	-0.000087	0.000261	0.011406	0.012289	-0.001251
246	-0.001811	0.005701	0.025784	0.006327	-0.070577	-0.052874	-0.017233	0.024547	0.025371	0.023524	0.030733	0.001207	-0.002961	-0.015935

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
247	0.010491	0.014346	-0.007814	0.003204	-0.037455	-0.03454	-0.06576	0.017761	0.019482	0.014186	0.012113	-0.0286	-0.028894	-0.005294
248	0.016441	0.011661	-0.012771	0.001687	-0.011729	-0.01285	-0.063427	0.010102	0.011487	0.018722	0.010234	-0.033934	-0.029092	-0.001897
249	0.02496	0.031028	0.007841	-0.034403	0.004186	0.010292	0.019339	-0.001188	-0.003891	0.003694	0.003886	0.019358	0.00233	0.007879
250	0.020925	0.01993	0.009513	0.019551	0.009162	0.014663	0.011472	-0.005849	-0.005563	0.007732	0.011181	0.011556	0.011996	-0.00584
251	0.026785	0.017979	0.008477	0.022943	0.010059	0.002336	-0.006969	-0.007188	-0.009825	-0.007789	-0.01035	-0.009006	0.009251	-0.017591
252	0.013193	0.013542	0.019409	-0.008967	0.025062	0.013717	-0.000832	0.003784	-0.004341	0.008821	0.003749	0.00567	-0.022015	-0.008998
253	-0.000219	-0.005499	0.030558	-0.093871	0.006145	0.00298	0.025555	0.001205	-0.002547	0.000202	-0.002992	-0.005524	-0.00838	-0.018388
254	0.013398	0.008997	-0.014847	-0.011519	-0.00315	-0.00475	-0.010557	0.016746	0.015036	0.00563	0.006642	0.0243	0.011658	0.016868
255	0.035022	0.03197	0.007466	0.006805	-0.003543	-0.009405	-0.016747	0.00384	0.002588	-0.002358	-0.005693	0.010082	0.003363	-0.006617
256	0.051466	0.051889	0.038126	-0.010422	-0.013115	-0.017283	-0.000827	-0.021979	-0.01729	-0.016796	-0.01384	0.005977	-0.005999	-0.006591
257	0.031497	0.037663	0.031441	0.021696	0.014622	0.00306	0.024521	-0.059608	-0.065057	-0.052423	-0.044253	-0.009623	-0.019676	0.015084
258	0.003247	0.005327	0.028266	-0.016952	-0.017408	-0.038587	-0.007717	-0.023786	-0.024142	-0.076506	-0.072972	-0.073864	-0.033323	-0.000232
259	0.006661	0.004889	-0.002732	-0.034707	0.004183	0.00553	0.003768	0.011058	0.010298	0.010141	0.00947	0.010637	0.014667	0.004451
260	0.002899	-0.002507	0.004115	0.013398	0.026315	0.028969	-0.002057	0.011962	0.009601	0.036949	0.032441	0.012775	-0.016999	-0.003272
261	0.011978	0.013914	0.000155	0.021505	0.011834	0.020905	-0.01995	0.001754	0.006871	0.014567	0.015308	-0.022263	-0.025977	-0.012691
262	-0.004264	-0.004472	-0.006744	0.00897	0.002716	-0.000604	-0.025562	-0.002977	-0.005504	0.019303	0.015935	-0.019672	-0.050491	-0.010228
263	-0.003498	-0.005546	-0.004193	-0.016088	0.007714	-0.00099	-0.023284	-0.004962	-0.009565	0.01043	0.004572	-0.017983	-0.041224	-0.008934
264	0.009627	0.011747	-0.009686	-0.040065	-0.008091	-0.000981	0.000344	0.007783	0.01279	-0.000267	0.001416	0.001856	0.016165	0.007431
265	0.006868	0.015719	-0.018811	-0.027706	-0.006547	0.007247	-0.007935	0.017251	0.024094	0.005932	0.013204	0.006978	-0.008299	0.017219
266	0.017414	0.022674	-0.0117	0.004944	-0.007624	0.000505	-0.031976	0.020501	0.024038	0.003132	0.005624	-0.012909	-0.022641	0.00215
267	0.000137	-0.000269	0.004614	-0.038284	0.015533	0.030242	0.03735	-0.003304	0.003813	0.015922	0.020432	0.03365	0.002036	0.016757
268	0.007056	0.014779	0.010445	-0.012135	0.007144	0.011957	0.022187	-0.016287	-0.015928	-0.006326	-0.004497	0.007278	-0.002387	0.013913
269	0.014078	0.014053	0.021657	-0.006897	0.013386	0.012556	0.022361	-0.017948	-0.019429	-0.006521	-0.008313	0.003152	0.00074	0.007222
270	0.012794	0.011588	0.017989	0.006582	0.007533	0.003699	0.007672	-0.023565	-0.02723	-0.013646	-0.020266	-0.011562	-0.015397	0.003379
271	-0.00348	-0.007123	-0.006352	-0.010428	-0.015495	-0.015661	-0.012203	0.017326	0.01456	0.013098	0.00397	0.001998	-0.008398	0.005503
272	0.009298	0.008191	-0.011572	-0.004743	0.007915	0.027948	0.007556	-0.004346	0.012488	0.023137	0.026502	0.033347	0.005448	0.024682
273	0.010133	0.008311	0.004476	0.005201	0.006396	0.004398	-0.010405	-0.014688	-0.011064	0.015812	0.011799	0.008256	-0.016102	0.007275
274	0.011175	0.007674	0.006703	0.003398	0.006011	0.003592	-0.010378	-0.01577	-0.012058	0.011437	0.007828	0.005901	-0.014584	0.006267
275	0.018613	0.005302	-0.009821	0.021554	0.01275	0.001479	-0.045415	-0.008068	-0.00933	0.013065	-0.00242	-0.018366	-0.029213	-0.013156
276	-0.0264	-0.024285	-0.004796	-0.020414	-0.000861	0.002028	-0.016727	0.009852	0.016298	0.020576	0.02154	-0.020406	-0.035772	0.015797
277	0.921244	-0.079258	-0.016739	-0.002272	0.002245	0.007848	0.024971	0.026768	0.027338	0.02407	0.024113	0.007552	0.004148	-0.003177
278	-0.078829	0.903698	-0.025975	0.00989	0.005815	0.000613	0.018408	0.024484	0.019257	0.025543	0.019038	0.007591	0.003699	-0.005727
279	-0.017796	-0.018776	0.898348	0.018735	0.038635	0.039801	-0.032117	0.01476	0.012196	0.02368	0.0173	0.008836	0.00329	0.014121
280	-0.016721	-0.011721	0.008937	0.817179	-0.01373	-0.021975	0.006628	0.024176	0.025318	-0.010799	-0.016541	-0.012732	-0.005365	0.000588
281	-0.001989	-0.007533	0.025433	-0.010835	0.888052	-0.106373	-0.04527	0.02124	0.022162	-0.012395	-0.010443	-0.029863	-0.007047	-0.009357
282	0.005471	-0.010139	0.02063	-0.015387	-0.100808	0.87337	-0.055411	0.008704	-0.002945	-0.03759	-0.044521	-0.042636	-0.02035	-0.002804
283	0.014833	0.002541	-0.041191	0.007203	-0.043069	-0.050558	0.881161	0.017074	0.01665	0.019414	0.002358	-0.049252	-0.037458	-0.002461
284	0.026554	0.026868	0.017778	0.012594	0.009712	-0.000427	0.014855	0.945191	-0.055409	-0.045598	-0.040126	-0.012469	-0.010905	0.013486
285	0.028831	0.024157	0.014623	0.018897	0.013121	-0.009406	0.014199	-0.056606	0.93148	-0.048814	-0.048436	-0.008262	-0.013517	0.01213
286	0.019099	0.018434	0.029781	-0.019199	-0.015836	-0.043729	0.01634	-0.0424	-0.044548	0.883209	-0.10791	-0.053327	0.000323	0.012807
287	0.017479	0.009606	0.020442	-0.018797	-0.008771	-0.045747	0.002933	-0.037753	-0.045769	-0.107513	0.889244	-0.057846	-0.006993	0.008362

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
288	-0.004291	-0.014801	0.013039	-0.009347	-0.028811	-0.045998	-0.041852	-0.008729	-0.007181	-0.050418	-0.059072	0.883116	-0.043023	-0.045633
289	0.005359	0.003587	-0.005972	0.008786	-0.004958	-0.013615	-0.036224	-0.006179	-0.009884	0.002427	-0.004498	-0.038401	0.925971	-0.014855
290	0.000094	-0.003817	0.005051	0.015478	-0.002688	0.003929	-0.011715	0.011245	0.013311	0.01124	0.00579	-0.049026	-0.016222	0.892413
291	-0.000154	-0.002266	0.005126	0.013762	-0.003524	0.003168	-0.013184	0.010625	0.013001	0.00864	0.003868	-0.049441	-0.016052	-0.104327
292	0.009303	0.010899	-0.003423	0.012559	-0.001377	0.008924	-0.013453	0.009207	0.011793	0.005872	0.003444	-0.04519	-0.007272	-0.099781
293	0.007525	0.010929	0.002211	-0.001027	-0.002803	0.012245	-0.002454	-0.004137	0.005421	0.016508	0.023687	0.00017	0.012787	0.003806
294	-0.003739	-0.005945	-0.004874	0.001802	-0.003142	-0.001954	-0.009478	0.00358	0.004338	0.016564	0.011135	-0.004784	-0.003399	0.002131
295	0.008099	0.009388	-0.005007	0.007553	-0.003255	0.005952	-0.018469	-0.011982	-0.005013	0.032018	0.03287	0.013878	-0.007077	-0.001135
296	0.009299	0.003895	0.013073	-0.001503	-0.015098	-0.007502	-0.033378	-0.000646	0.004123	0.032232	0.022544	-0.00726	-0.021348	-0.013321
297	0.005574	0.001075	0.003793	0.008482	-0.011953	-0.004354	-0.010286	-0.007261	-0.001899	0.022106	0.023738	0.004765	-0.001939	-0.000393
298	-0.00511	-0.010233	-0.008839	0.019487	0.005674	0.007312	-0.003211	0.006257	0.004837	0.012509	0.011723	0.002439	0.012031	-0.028795
299	-0.003731	-0.005351	-0.00239	-0.001212	-0.017191	-0.008742	-0.000066	0.003359	0.009158	0.007716	0.011114	0.003684	0.01253	0.003566
300	-0.006837	-0.008919	-0.035865	-0.015593	0.006383	0.00345	-0.009117	-0.013092	-0.00797	-0.012408	-0.010876	-0.006978	-0.003323	-0.016496
301	0.008256	0.0038	-0.010019	0.020665	0.013331	0.015977	0.004345	-0.01882	-0.02095	0.025379	0.024703	0.015408	-0.000328	-0.005971
302	0.011286	0.011428	-0.012649	0.011014	-0.000277	0.0006	-0.006242	-0.013839	-0.017217	0.007892	0.005766	0.006283	-0.014502	-0.005407
303	-0.013242	-0.01579	-0.007737	-0.02668	-0.004624	-0.011695	0.011158	0.005756	0.008106	-0.027752	-0.02766	-0.005209	0.011061	0.013964
304	-0.015504	-0.022243	-0.008701	-0.027369	-0.007315	-0.008234	0.00692	0.004769	0.009697	-0.01905	-0.021121	-0.020165	0.0124	-0.007205
305	0.017556	0.007979	-0.000812	0.003965	-0.008793	-0.009512	-0.000197	-0.020227	-0.02501	-0.011146	-0.00755	0.011395	-0.000986	0.008043
306	0.005759	0.012947	0.03335	0.010195	-0.01162	0.008988	-0.007493	-0.010274	0.006718	0.012199	0.026117	-0.009018	-0.008809	-0.019061
307	-0.017216	-0.030834	0.011534	-0.044449	-0.010487	-0.03378	0.014689	-0.008098	-0.010521	-0.043714	-0.046018	-0.015734	0.005341	-0.013071
308	0.015313	0.026299	0.006932	-0.020334	0.015992	0.014913	0.044574	-0.00118	-0.00585	-0.008044	-0.005788	0.020975	0.003412	-0.012249
309	0.000765	-0.007458	-0.001589	-0.002229	0.011987	0.00309	0.000146	-0.003174	-0.009522	0.000252	-0.009547	0.009652	0.008037	0.004883
310	0.002812	-0.005881	0.005192	-0.005375	0.002852	-0.004877	-0.006009	0.003066	0.000498	-0.010745	-0.016414	0.018876	0.007989	-0.003099
311	-0.003049	-0.004354	0.000256	-0.014109	0.017153	0.015225	-0.002343	0.001753	0.00171	0.010221	0.005774	0.008421	0.006532	0.00233
312	0.023626	0.011023	0.023072	-0.017609	-0.022023	-0.020378	0.013147	0.01158	0.011795	-0.009715	-0.018433	-0.011796	-0.005041	-0.02428
313	0.014553	0.013298	0.018198	0.003854	0.006981	0.010042	0.007731	-0.014875	-0.010247	-0.017032	-0.011292	0.002769	0.014024	0.009954
314	-0.016473	-0.037718	-0.004573	0.0134	-0.011747	-0.020249	-0.007415	0.019832	0.010009	0.002079	-0.006192	0.020479	0.001422	0.023959
315	-0.000191	-0.002453	0.022957	-0.017542	-0.009946	-0.015842	0.012775	-0.002298	-0.003404	-0.031385	-0.031041	-0.013147	0.012178	0.006803
316	-0.007619	-0.014771	-0.001205	-0.030216	0.044733	0.03921	0.026614	-0.006508	-0.015023	0.029178	0.018872	0.019091	-0.008268	-0.012793
317	0.004732	-0.002185	-0.000726	0.020896	0.012375	0.004493	-0.00578	-0.016545	-0.022589	0.007131	0.001262	0.018341	0.001142	0.016275
318	-0.007792	-0.02005	0.008387	0.018993	0.006555	0.002918	0.009675	0.002511	-0.005295	0.008326	0.007313	0.013996	0.024644	0.005973
319	0.003022	-0.002207	0.024365	-0.013866	0.001674	-0.014854	0.012919	-0.009856	-0.014239	-0.033151	-0.035388	-0.006935	0.016569	0.011234
320	0.004633	0.011031	0.010782	0.000492	-0.008885	-0.009105	0.003419	-0.010306	-0.008249	-0.026272	-0.019363	-0.011126	0.014394	-0.001464
321	-0.01699	-0.0155	0.013822	0.000201	-0.024596	-0.027225	0.00071	-0.007737	-0.005761	-0.007266	-0.00364	-0.020554	-0.011969	-0.01563
322	-0.010038	-0.022464	-0.052353	-0.005013	0.018942	0.014266	0.018902	0.009783	0.004046	0.018485	0.015519	0.032118	-0.009607	0.004772
323	-0.005914	0.002888	0.013075	-0.003216	0.007253	0.01301	0.0394	-0.013347	-0.01193	-0.017965	0.001639	0.021471	0.012261	-0.001055
324	0.010707	0.001587	-0.023427	0.004749	-0.024365	-0.024511	-0.046639	0.007937	-0.00239	0.011141	-0.007655	-0.034814	-0.028886	-0.003797
325	0.008414	0.004476	0.006944	-0.006738	0.002356	0.000686	-0.012533	-0.000967	0.000791	0.005635	-0.00488	-0.015648	-0.005501	0.007966
326	0.018852	0.022683	0.000524	-0.002754	0.013918	0.015669	-0.017725	0.000867	0.009069	-0.010022	-0.017728	-0.002366	-0.001168	0.014264
327	0.003522	0.007759	-0.003033	-0.016061	-0.004553	-0.002032	-0.005768	-0.005979	-0.002088	-0.007148	-0.004356	-0.001507	0.003396	0.003856
328	-0.002128	-0.004305	0.021233	-0.001199	-0.012762	-0.018601	0.012548	-0.013118	-0.021857	-0.007826	-0.007917	-0.009829	-0.020002	-0.009122

	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE
329	0.012914	0.021054	0.003375	0.011057	0.001676	0.001636	0.006943	-0.011537	-0.01178	-0.016388	-0.008622	0.017723	0.000246	0.01385
330	-0.004249	-0.004977	-0.008316	0.030632	0.008138	-0.002045	-0.004071	0.004406	0.001148	0.014436	0.008463	0.025071	-0.008083	0.019194
331	-0.001959	0.004051	-0.003495	-0.030155	0.000317	0.001952	0.00319	0.004251	0.011145	-0.022449	-0.022576	-0.021235	0.005678	0.003383
332	-0.010345	-0.01243	-0.006859	-0.013436	0.009612	-0.006505	-0.015571	0.011286	0.01109	0.013597	0.001254	-0.003972	-0.000505	-0.000351
333	0.009238	0.008273	0.004358	0.00195	0.018049	0.014064	0.010627	-0.009803	-0.011445	0.000091	-0.005355	-0.005872	-0.001354	0.004312
334	0.059118	0.05635	0.034248	0.048494	-0.015301	-0.024883	0.004553	-0.010498	-0.020443	-0.013014	-0.012982	0.007851	0.004288	0.005331
335	0.008472	0.00515	0.010044	-0.022468	0.01076	0.005182	0.009951	-0.00354	-0.001227	-0.017442	-0.021203	-0.005919	0.014127	0.001385
336	-0.010298	-0.015492	-0.011243	-0.004475	0.006663	0.003475	-0.010782	-0.000956	0.002291	0.016063	0.008148	0.004079	0.001941	-0.009047
337	0.028438	0.024414	0.019406	0.013187	-0.022024	-0.014694	0.005289	-0.008455	-0.008137	0.004223	0.002809	0.003173	0.002037	-0.031892
338	0.007273	0.012192	0.003323	0.0107	0.011761	0.006823	-0.017769	0.013298	0.007388	0.027125	0.022224	0.031424	0.004337	0.028341
339	-0.00436	-0.005854	-0.012483	0.014958	0.002091	0.005703	0.012608	-0.018865	-0.014386	-0.019173	-0.009537	-0.011079	0.001199	-0.011918
340	0.012495	0.023256	0.049594	-0.025482	-0.013741	0.002892	0.012929	0.007772	0.015738	-0.009497	0.002141	0.038382	0.038836	0.014954

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
1	0.042332	0.031247	-0.026205	-0.016239	0.048115	0.069299	0.031136	-0.021677	-0.010284	-0.037828	0.002509	0.006442	-0.040439	-0.051796
2	0.073049	0.061952	0.057407	0.00201	0.002758	-0.020385	0.012452	0.021179	-0.015744	0.067627	-0.03729	-0.072283	-0.110039	-0.096903
3	0.019586	0.021022	-0.019468	-0.039761	-0.062935	-0.094219	-0.048838	-0.020131	-0.03941	-0.008678	-0.054916	-0.070565	0.011004	-0.025434
4	-0.023262	-0.043812	-0.082495	-0.021366	-0.069379	-0.075869	-0.047241	0.048052	0.014295	-0.026029	-0.029818	0.009394	0.097773	0.122367
5	-0.017493	-0.003771	-0.066158	-0.043469	-0.030972	0.024039	-0.022334	0.069617	0.03584	0.067525	-0.009684	-0.014425	0.064104	0.06808
6	0.029237	0.000029	-0.021573	-0.007331	-0.016831	0.043449	0.008076	0.001182	0.000195	-0.06669	-0.004668	-0.015926	0.011458	-0.007499
7	-0.004405	0.016382	0.045288	0.047877	-0.012677	-0.009326	-0.003714	0.066099	0.059956	-0.002648	0.038963	-0.012575	0.092939	0.042117
8	-0.008366	-0.018659	0.051189	0.04699	0.053122	0.006194	0.06204	-0.044479	0.019094	0.004532	0.049465	0.079821	-0.034938	-0.045917
9	-0.041287	-0.044771	-0.113238	-0.045988	-0.04538	0.02658	-0.018816	-0.061794	-0.046009	-0.076452	-0.066562	0.028649	0.002772	-0.006279
10	0.044297	0.062415	0.028175	-0.054278	0.031647	-0.068831	0.056234	-0.02661	0.014297	0.046592	0.032562	-0.016065	0.007806	0.0031
11	-0.019363	-0.01606	-0.007632	0.040513	0.021428	0.082569	0.02226	0.112792	0.055435	-0.017946	0.063539	0.063884	0.045733	0.079204
12	-0.019894	-0.007169	-0.016097	-0.01606	0.023532	0.041689	0.002089	-0.038117	-0.029182	0.013003	-0.033503	0.003136	-0.046088	-0.010919
13	0.043606	0.038736	0.055856	0.016494	-0.008469	-0.041411	0.035377	-0.046146	0.067739	-0.041817	0.021139	0.006414	0.023716	0.058759
14	0.019349	0.019852	-0.025451	-0.027752	0.014136	0.048828	0.029888	0.042886	0.012484	-0.005276	0.0455	0.034593	-0.057206	-0.014822
15	-0.180841	-0.167658	-0.038413	-0.061591	-0.022113	-0.050402	-0.010045	-0.089219	-0.034129	-0.042844	-0.017884	-0.045635	-0.038712	-0.05307
16	-0.051606	-0.050022	-0.02205	-0.036648	-0.037588	-0.058896	-0.033406	-0.025371	-0.051583	0.004147	-0.064274	-0.045493	-0.036085	-0.054958
17	0.056858	0.047838	-0.030693	-0.024845	0.008256	0.004763	0.007561	-0.016936	0.043598	-0.071269	0.045553	0.051048	0.030064	0.042411
18	-0.044656	-0.040457	-0.016319	0.036369	0.034884	0.043258	0.061047	-0.028921	0.040524	0.071884	-0.018696	0.014267	0.039938	0.04361
19	-0.037592	-0.028047	0.029164	0.01325	-0.014701	0.066978	-0.014527	-0.182245	-0.043703	-0.118537	-0.04174	-0.046304	-0.017742	-0.004588
20	-0.02867	-0.044263	-0.015795	0.006615	0.004203	-0.017067	-0.038732	-0.085724	-0.040148	-0.088643	-0.008019	-0.00418	-0.06171	-0.073519
21	0.032167	0.039885	0.002301	-0.000514	0.037768	0.017136	-0.006682	-0.025528	-0.039356	0.055647	0.006286	0.000552	-0.080659	-0.043234
22	-0.036845	-0.04559	-0.012749	0.001378	0.028967	-0.000996	0.035931	-0.082917	0.072444	0.008065	0.012888	0.025819	0.022198	0.01675
23	0.00655	0.007409	-0.017482	0.026853	-0.042054	-0.053442	-0.012969	-0.071133	0.000404	-0.036507	0.01051	0.041346	-0.022047	-0.011302
24	-0.095449	-0.099705	-0.010103	0.000824	0.003627	0.020877	0.029489	0.011316	0.109458	-0.011196	0.034628	0.030902	0.157475	0.11213
25	0.046897	0.056099	-0.006058	-0.002142	-0.039646	-0.05463	-0.024465	0.002963	0.015668	0.019146	-0.020076	-0.005004	0.029334	0.069314
26	0.010036	-0.008623	-0.069429	-0.001196	0.008187	0.074926	-0.016446	0.102217	-0.052476	0.024958	-0.036713	-0.022237	-0.047882	-0.011158
27	-0.004848	0.018859	0.009013	-0.012671	-0.129749	-0.127923	-0.166196	0.056096	-0.049863	0.073131	-0.017339	0.009265	0.035417	0.034698
28	-0.012432	-0.008617	0.048395	0.034157	0.060391	0.063558	0.09268	0.025445	0.074076	0.043441	-0.017926	-0.049006	0.077076	0.099757
29	0.005633	-0.000254	-0.013664	0.004874	0.014003	0.04081	0.009714	0.011983	-0.00574	-0.007565	0.012059	0.00519	0.007934	0.011135
30	0.0352	0.019636	-0.030872	0.0109	0.011682	0.017314	0.007814	-0.009058	0.023627	-0.009312	0.033158	0.013685	0.013845	0.03665
31	-0.027965	-0.037482	0.062951	0.014475	0.016719	-0.047206	0.030981	0.003782	0.01206	-0.051223	0.037338	-0.008447	-0.028113	-0.019979
32	0.010115	0.011975	-0.025477	0.00009	0.009653	0.051445	0.021298	0.049826	-0.002592	-0.015044	0.008273	0.009597	-0.008519	0.002592
33	0.002728	0.025444	0.050907	-0.0084	-0.004385	-0.005093	0.027807	-0.06791	0.004259	0.036985	0.047217	0.039408	0.000787	-0.004649
34	0.036079	0.052731	-0.133356	-0.060911	-0.066428	-0.023862	-0.041335	0.041704	-0.062788	0.08299	-0.036607	-0.040901	0.01332	-0.019731
35	-0.003848	0.003917	-0.036497	-0.03092	0.009258	0.010836	-0.0075	-0.011172	-0.045014	-0.048943	-0.031017	-0.027394	-0.029161	-0.099721
36	0.05159	0.042231	-0.141416	-0.058798	-0.052496	0.020714	-0.070185	-0.029273	-0.018651	0.019819	-0.097161	0.001309	0.017233	0.038477
37	-0.008603	-0.011558	-0.024399	-0.01623	0.028406	-0.018717	0.030222	-0.034661	-0.009179	-0.026997	0.013539	0.006665	0.025954	-0.010906
38	0.003011	-0.004519	-0.011955	-0.024572	-0.064458	-0.031765	-0.016853	0.050941	0.00645	-0.025186	-0.027605	-0.060042	0.020916	-0.026983
39	-0.006854	-0.010332	-0.02757	6.011529	0.034486	0.036504	-0.011466	0.02189	-0.000552	0.024335	0.020879	0.016171	-0.023296	0.048609
40	0.008227	0.00706	-0.031061	-0.01537	-0.007652	0.021408	-0.009834	-0.01749	-0.003899	-0.029604	-0.00421	0.010602	0.003874	0.008609
41	-0.022719	-0.019457	0.181226	0.008692	0.087117	-0.014237	0.04236	0.035411	0.063182	0.013079	0.057853	0.012539	-0.014389	-0.009627

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
42	-0.025687	-0.01649	-0.036012	-0.018109	-0.011977	-0.026376	0.006677	-0.031918	-0.018282	0.023901	0.004409	-0.018012	-0.027293	-0.014293
43	0.034061	0.031227	-0.050583	-0.054389	-0.0451	0.017983	-0.027364	-0.011031	-0.047113	0.025425	-0.060124	-0.024156	-0.033107	0.002151
44	0.026676	0.035155	0.038707	0.004736	0.031037	-0.037253	0.015635	-0.050512	-0.04122	-0.042757	-0.009797	-0.006504	-0.069235	-0.06595
45	0.03161	0.028846	-0.067286	0.029993	-0.046751	0.041675	-0.045288	0.014836	-0.081737	0.050436	-0.098618	-0.036536	-0.025408	-0.044823
46	0.024682	0.012686	-0.071736	-0.07414	-0.051115	-0.049897	-0.066354	0.026632	-0.039454	0.107701	-0.020622	-0.003566	0.016764	0.014665
47	0.044728	0.047862	-0.089154	0.007232	0.030028	0.083116	0.003718	0.060313	-0.035241	0.088791	0.003138	0.080565	0.057397	0.037442
48	0.021614	0.01573	-0.007472	-0.009898	-0.019568	0.035726	-0.024718	0.063077	-0.039934	0.204057	-0.029572	0.016233	0.011723	0.009238
49	-0.065124	-0.101595	-0.013455	0.022685	0.011115	0.015416	0.003412	0.010965	-0.019502	0.10831	0.032099	0.057204	-0.009733	0.009988
50	0.002594	0.030728	0.001381	-0.001139	0.040759	0.030757	0.072212	0.021962	0.078235	0.059831	0.028637	0.036894	0.03054	0.03478
51	-0.008886	-0.025055	0.000999	-0.019551	-0.008441	-0.045735	-0.015936	-0.08872	-0.020884	-0.018496	-0.027791	-0.052103	-0.024213	-0.048046
52	-0.06325	-0.040053	-0.041455	-0.024568	0.038912	-0.025519	0.043925	0.005001	0.015568	0.173442	0.008692	0.005935	-0.002047	-0.031423
53	-0.02623	-0.030945	0.041524	-0.037533	-0.019281	-0.040706	-0.004936	-0.015981	0.048055	-0.009524	0.001015	-0.018158	0.026972	0.026887
54	-0.038559	-0.05554	-0.003551	0.007981	0.028232	0.053927	0.041456	0.045629	0.051528	-0.011688	0.026543	-0.017746	0.034016	0.053272
55	0.083427	0.069716	0.029179	0.005675	0.047963	0.069646	0.051147	0.053505	0.032828	0.039311	0.033247	0.012861	-0.003603	0.031131
56	-0.082285	-0.090123	-0.043354	0.014972	-0.043641	-0.059197	-0.01946	-0.003429	-0.006527	-0.028155	-0.029252	-0.036607	0.002344	-0.060372
57	-0.046135	-0.041277	-0.030751	-0.047846	-0.022396	-0.069037	-0.025831	0.003742	-0.033595	-0.069235	-0.019245	-0.021716	-0.080815	-0.058161
58	-0.007384	-0.000021	-0.026856	0.025373	0.021953	0.093779	0.01551	0.060008	-0.04335	-0.070664	0.020799	0.026751	-0.004648	-0.040949
59	-0.032322	0.004318	0.047259	0.000948	0.038564	0.07959	0.022195	-0.008956	0.01407	-0.016786	-0.015941	0.03218	0.053985	0.016154
60	-0.003832	0.00305	-0.011572	-0.000096	-0.022922	-0.022902	-0.026681	0.016251	-0.026275	0.017042	-0.017736	-0.021135	-0.006913	-0.015497
61	-0.010756	-0.008775	0.005451	0.001699	-0.000244	-0.008274	0.015986	-0.015458	0.007633	-0.025591	0.012069	-0.000031	0.015883	0.00143
62	-0.006486	-0.007324	0.027514	0.016038	0.004654	-0.027105	0.002406	-0.023709	-0.0109	0.008676	-0.004892	-0.011789	-0.006746	-0.020707
63	-0.027248	-0.032466	0.024961	0.01304	0.014112	-0.013755	0.015439	-0.029554	0.02151	-0.032093	0.019757	0.004745	0.012761	0.009621
64	0.002321	0.008071	0.002155	-0.005747	0.013066	-0.022737	-0.00564	-0.038517	-0.011756	-0.003401	0.005578	0.011912	-0.012204	-0.015483
65	0.003446	-0.001787	-0.0239	0.005367	-0.007847	-0.00229	-0.00976	0.010674	-0.015315	0.03297	-0.010981	0.000203	-0.01323	-0.006077
66	-0.003169	-0.002564	-0.014442	-0.003791	0.001931	-0.009015	0.006336	-0.017272	0.011723	-0.076241	0.013851	0.00689	0.012486	-0.002756
67	0.014094	0.006032	-0.007834	0.001621	0.023677	0.031716	0.039046	-0.026879	0.034216	-0.070424	0.014602	0.004373	0.018208	0.0164
68	-0.018225	-0.008553	-0.011069	-0.00118	0.021616	0.002273	0.028305	-0.018364	0.008313	-0.022207	-0.000639	0.01452	0.005134	-0.004314
69	-0.005539	-0.001875	0.013161	0.015544	0.014379	-0.004401	0.020683	-0.010419	0.004105	0.001447	-0.003991	0.002857	0.002225	-0.024894
70	-0.01116	-0.01344	0.005197	0.016463	-0.006396	-0.015639	-0.012921	-0.006161	-0.027804	-0.02457	-0.013643	-0.012269	-0.021579	-0.044453
71	-0.008948	-0.003229	0.010196	-0.002726	-0.007069	-0.031713	-0.011182	-0.010871	-0.012811	0.026407	-0.024441	-0.013991	-0.009872	-0.028265
72	-0.027261	-0.028326	0.004406	0.001727	-0.021376	-0.006712	-0.033615	0.000257	-0.012945	0.00262	-0.021759	0.000813	0.000673	0.002135
73	-0.026843	-0.025198	-0.030773	-0.024636	-0.013064	-0.008136	-0.02327	0.017515	-0.029508	0.001216	-0.008553	-0.000683	-0.022787	-0.047716
74	-0.042083	-0.03513	0.026188	0.011726	-0.011596	-0.003587	-0.009185	0.009226	0.005893	0.00374	0.012476	0.008252	0.026394	0.032624
75	-0.004289	-0.00389	0.003385	0.004705	0.003683	-0.015983	-0.003813	0.005411	-0.011508	0.036344	-0.005436	-0.000428	0.002576	-0.011461
76	-0.004602	-0.012928	-0.007956	0.006539	-0.017979	-0.02086	-0.012632	0.005421	-0.004631	0.031931	-0.018541	-0.014459	0.011999	0.011788
77	-0.009701	-0.00828	0.010745	0.009997	0.001625	-0.018756	-0.003922	-0.001894	-0.013862	0.020943	-0.010488	-0.006799	-0.005319	-0.02168
78	-0.010996	-0.0074	0.020382	0.004819	0.007813	-0.014445	-0.001258	0.000603	-0.014894	0.03307	-0.010095	-0.007567	-0.007267	-0.026833
79	0.000995	0.006746	-0.025937	-0.010068	0.003536	-0.017131	-0.010912	0.013271	-0.018995	0.041667	-0.00492	0.009026	0.007442	-0.012616
80	0.016338	0.017191	-0.000996	-0.001385	0.004751	0.009332	0.008432	-0.021683	0.002244	-0.050123	0.006201	-0.011811	-0.017578	-0.031082
81	0.005738	0.000065	-0.017739	0.034901	-0.013116	0.020414	-0.009413	-0.012315	-0.032846	-0.02055	-0.007679	0.017216	-0.02281	0.008518
82	0.009781	0.010323	-0.001493	0.000006	0.012527	0.021444	0.004344	0.016879	0.002371	-0.000378	0.00184	-0.002052	-0.008058	-0.009384

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
83	0.016801	0.017364	0.018643	-0.002177	0.0239	0.01286	0.016402	0.012299	0.005378	0.013754	0.005492	-0.007035	-0.009159	-0.007641
84	0.015433	0.013605	0.02377	0.011104	0.016664	0.010939	0.00957	0.00229	0.00623	0.008869	0.006	-0.002185	-0.012323	-0.012961
85	0.034508	0.03016	-0.02741	-0.01401	-0.013729	-0.012454	0.003671	-0.004468	0.021538	-0.017281	0.018771	0.036868	0.03488	0.051444
86	0.001618	0.006998	0.001453	-0.007111	-0.028301	-0.041715	-0.019352	-0.000527	-0.000465	0.000798	-0.016151	-0.012779	0.009938	0.000503
87	0.010668	0.004365	0.003254	-0.000507	0.002357	-0.017987	0.004466	-0.015114	-0.001724	-0.00554	0.00362	-0.003128	-0.013034	-0.019736
88	0.006616	0.007818	0.015737	0.004265	0.030829	0.029123	0.025195	0.005423	0.008169	-0.004843	0.011871	-0.00473	-0.009207	-0.017599
89	0.00869	0.013633	0.029133	0.000281	0.031679	0.017687	0.028003	0.003255	0.014034	0.007422	0.005917	-0.003457	-0.005079	-0.013782
90	0.012863	0.015263	0.022069	0.004509	0.020809	0.006821	0.020942	0.012148	0.01806	0.016453	0.006631	-0.000528	0.010542	-0.000451
91	0.015123	0.015499	0.02075	0.011593	0.014901	0.016951	0.002189	0.012807	0.008978	0.006217	0.005581	0.009925	-0.010905	-0.006175
92	-0.011162	-0.02283	-0.012915	0.014189	-0.006644	0.033386	-0.019531	0.012057	-0.025796	-0.003002	-0.011231	0.000049	-0.043197	-0.015165
93	-0.007263	-0.008472	0.014734	0.004886	0.011393	-0.010228	0.008219	0.001947	0.009149	-0.005865	0.003162	-0.003902	-0.000972	-0.014405
94	0.005289	0.014015	0.034009	0.005237	0.014079	0.004704	0.006799	0.020478	0.012631	-0.039923	0.007647	-0.012478	-0.00579	-0.017378
95	0.019577	0.024343	-0.025896	-0.004667	0.019836	0.02789	0.022923	0.024609	0.004496	-0.024695	0.009732	0.009379	-0.003597	-0.016079
96	-0.011509	-0.009228	-0.042512	-0.005142	-0.022312	0.023549	-0.029426	0.0202	-0.018598	-0.021102	-0.012986	0.004656	0.028993	0.007029
97	0.008119	0.011791	-0.010168	-0.013452	-0.01174	-0.018377	-0.016809	0.014242	-0.017118	0.004119	0.006229	0.000164	-0.020152	-0.014878
98	0.010458	0.010206	0.001552	0.005996	-0.001159	0.001843	-0.00274	0.005469	0.014481	-0.025917	0.004669	0.011188	0.015026	0.02335
99	0.004992	0.005871	-0.024047	-0.005582	-0.009668	0.00926	-0.00757	0.004176	-0.008576	0.000086	-0.008121	-0.005824	-0.003671	0.001593
100	-0.031413	-0.0292	0.005918	-0.004241	0.007872	0.003992	0.01035	-0.016896	0.00963	-0.013193	0.001907	-0.001927	0.012613	0.012752
101	0.006173	0.005563	0.019373	0.009546	0.000078	-0.008223	0.000137	-0.009796	0.008088	-0.061407	0.010553	0.003675	-0.002575	0.003363
102	-0.006183	-0.012624	-0.026396	-0.004349	-0.007436	-0.007178	-0.013167	-0.013542	-0.002906	-0.017074	0.007438	0.013913	-0.003912	-0.005812
103	0.013182	0.013361	-0.021506	-0.019636	0.013206	-0.006386	-0.004722	-0.017738	-0.03452	-0.029684	0.002954	-0.003353	-0.039852	-0.040074
104	-0.006801	-0.012495	-0.020483	-0.004981	-0.004524	0.018386	0.00002	-0.021055	-0.02736	0.003128	-0.014055	-0.012551	-0.024096	-0.038046
105	-0.022292	-0.02946	-0.004157	-0.001323	0.028306	0.005638	0.031517	-0.034291	-0.013805	0.039954	-0.016933	0.004541	-0.010123	-0.019253
106	0.015868	0.02108	0.015605	-0.011765	-0.011318	-0.048665	-0.044021	-0.023185	-0.020082	0.015026	-0.002599	-0.02077	-0.036958	-0.026263
107	0.002437	0.002321	0.005617	0.004851	-0.015353	0.001432	-0.021035	-0.004955	-0.003857	-0.011412	-0.016148	-0.026953	-0.009682	-0.00278
108	0.003701	0.008725	-0.011251	0.009717	0.015701	0.034075	0.015784	-0.03302	0.005407	0.008936	0.000686	0.003746	0.005866	0.00229
109	0.009044	-0.004575	0.014599	-0.004578	-0.00189	0.00871	-0.005631	-0.019149	-0.009708	0.001878	0.000222	-0.005663	-0.017427	-0.010422
110	0.035224	0.037073	-0.003577	-0.004341	0.005469	0.017612	-0.014277	-0.007897	-0.012656	0.017536	0.000779	-0.007074	-0.022812	-0.013647
111	0.008217	0.010336	-0.028265	0.002088	0.003153	0.023274	-0.020541	-0.009737	-0.005704	0.02453	0.006661	0.006979	0.010672	0.017578
112	0.005275	0.00677	0.010255	0.004024	0.026004	0.01772	0.015664	-0.021263	-0.001833	0.005099	-0.021755	-0.017728	0.015185	-0.01244
113	0.020665	0.024329	-0.012979	-0.002285	-0.013561	-0.013004	-0.029245	0.008148	-0.004618	-0.005419	-0.000872	0.005499	-0.01698	-0.011196
114	0.021468	0.022605	0.016587	0.009579	0.005529	0.049644	0.029081	-0.007952	-0.014915	-0.012067	-0.011037	0.010432	-0.016956	-0.009253
115	-0.008956	-0.015001	-0.003624	0.018743	-0.005762	-0.010426	-0.009797	-0.025244	0.000612	-0.02146	-0.00553	-0.020511	0.007874	0.011669
116	-0.019125	-0.021809	0.000067	-0.007565	0.029088	0.023654	0.001441	-0.012146	-0.031188	0.024464	0.003068	0.022037	-0.006675	-0.012173
117	0.005756	-0.003813	-0.025908	0.01208	-0.008791	0.010135	-0.015093	0.044657	-0.00054	0.048202	0.000203	0.017575	0.028873	0.02325
118	0.00306	-0.01024	-0.004858	0.026749	0.007396	0.019599	0.022405	0.020135	0.019359	-0.044236	0.005356	0.007838	0.002953	-0.006184
119	-0.016225	-0.012489	0.021375	0.012304	-0.007653	-0.010193	-0.006259	0.01232	0.020551	0.000675	0.007259	-0.008983	0.021665	0.000107
120	-0.013421	-0.010469	-0.021676	-0.01014	0.001733	-0.00512	-0.00693	0.0199	0.009162	0.029367	0.019223	0.036708	0.011499	0.014101
121	0.000879	0.002974	0.011631	-0.00359	0.02731	-0.011116	0.020613	0.013506	0.036993	0.039834	0.020316	0.022063	0.037927	0.035135
122	0.03513	0.030703	0.023038	0.019183	0.016814	0.000605	0.008886	0.016171	-0.006369	-0.007989	0.017078	0.003961	-0.027795	-0.01523
123	0.012085	0.012521	0.020689	0.014151	0.023916	0.00372	0.02342	-0.008911	0.010588	-0.001898	0.007198	-0.003305	-0.010259	-0.0112

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
124	-0.004999	0.001157	0.035245	0.008442	-0.002865	-0.014789	-0.003135	-0.001436	0.004935	0.00054	0.003596	-0.022603	0.004659	-0.011992
125	0.00068	-0.000294	-0.032911	-0.015887	-0.016095	-0.029791	-0.007395	-0.025318	0.003826	0.008287	-0.026049	-0.005715	-0.003248	-0.002855
126	0.012521	0.000745	-0.000751	0.017867	-0.004251	0.002031	0.008093	0.023506	0.011369	0.012683	0.004943	-0.003998	-0.006505	-0.004925
127	0.007812	0.000597	0.008852	0.010003	-0.007194	-0.011211	-0.003984	0.011508	-0.000254	0.005766	-0.00926	-0.02436	-0.018481	-0.01788
128	-0.011025	-0.010407	-0.009887	-0.002238	-0.019478	0.004564	-0.010822	0.009924	-0.012959	0.019323	-0.019964	-0.009321	0.001116	-0.005923
129	0.011318	0.023096	0.014756	0.009215	0.044978	-0.008573	0.050277	-0.012171	0.034378	-0.000901	0.060075	0.021397	0.043037	0.024805
130	0.015635	0.015394	-0.01164	-0.008527	-0.002092	-0.015973	-0.003617	0.016551	0.000392	0.015744	0.004942	-0.010529	0.023373	0.015017
131	0.029334	0.032793	-0.006238	-0.004592	0.019599	-0.01113	-0.005176	0.015613	-0.004128	0.035131	0.020311	0.024175	0.013589	0.005568
132	-0.00201	0.004787	-0.000439	-0.005297	-0.001643	0.013288	0.000871	-0.025195	0.003362	0.005086	-0.010198	-0.000588	0.013668	-0.005949
133	0.031606	0.041612	-0.016053	-0.006093	0.015276	0.023787	-0.001524	0.029033	0.002287	0.045134	-0.000696	0.009112	0.004397	0.010027
134	0.002003	-0.019324	0.000597	0.001264	-0.022074	-0.015992	-0.012874	0.037073	0.006305	-0.088838	0.011231	-0.005737	0.027477	0.009803
135	-0.011727	-0.00622	0.008352	-0.017432	0.002408	0.003278	-0.000694	0.012339	-0.001115	0.019892	-0.009724	-0.01063	0.000581	-0.01332
136	0.014404	0.013447	-0.016776	-0.006086	-0.011117	0.012435	-0.02711	0.019227	-0.005705	0.024259	0.005017	0.013389	0.008986	0.022356
137	-0.007691	-0.004989	0.034705	-0.007334	-0.010133	-0.054523	-0.002758	-0.00505	0.023676	-0.033136	0.006981	-0.009937	0.008574	0.006911
138	-0.006364	-0.008753	-0.002871	0.004437	-0.026602	-0.017843	-0.030171	0.004538	-0.004075	0.019965	-0.004187	0.0072	0.013865	0.026953
139	-0.008748	-0.007345	-0.013043	-0.015973	-0.032183	-0.004771	-0.008121	0.011795	0.021554	-0.043787	0.018397	-0.015908	0.008724	-0.001957
140	0.02264	0.0255	0.014917	0.006313	-0.018355	-0.011681	-0.001789	0.022121	0.027843	0.039535	0.002564	0.021569	0.048231	0.032528
141	-0.008905	-0.005207	-0.000005	-0.012201	0.001067	0.01994	0.018351	-0.011431	-0.011854	-0.011784	-0.024836	-0.020093	-0.012213	-0.024695
142	0.024346	0.01842	-0.000804	-0.006366	-0.001317	-0.010197	0.011072	0.031795	0.010417	0.04864	0.015274	0.005954	0.027629	0.030289
143	0.018089	0.014979	0.006196	0.008297	0.010826	0.015172	0.004816	0.010933	-0.015124	0.018118	-0.000715	0.002281	-0.016348	-0.006059
144	-0.002258	0.004291	0.008384	0.007447	0.0083	0.008969	0.005867	0.029105	0.006722	0.003808	0.014759	-0.00224	0.021109	0.003504
145	0.024307	0.019235	-0.000467	0.001755	-0.004295	0.004954	-0.01331	0.041105	-0.017302	-0.026834	-0.000156	-0.008047	-0.034447	-0.035553
146	0.000545	0.002875	-0.020093	-0.015392	-0.009346	-0.004418	0.000809	-0.000187	0.013197	0.013178	0.004999	0.01255	0.02303	0.008998
147	0.029947	0.013308	-0.042535	-0.0136	-0.003242	-0.003532	0.010246	0.023273	0.037598	0.059941	0.019043	0.021887	0.033261	0.042774
148	0.027738	0.026462	-0.034254	-0.024175	-0.03767	-0.029618	-0.030868	0.057732	-0.015904	0.017663	0.013945	-0.002727	0.006938	0.012638
149	0.002237	0.003538	0.001169	0.003398	-0.002431	0.009944	-0.00749	0.001217	-0.038456	-0.041544	-0.012587	-0.007248	-0.033978	-0.035238
150	-0.015424	-0.016254	-0.002697	-0.016988	-0.000249	-0.024062	0.000124	-0.009073	0.006663	0.020803	0.004553	0.001732	-0.005388	-0.003087
151	-0.036527	-0.045855	-0.034297	-0.009701	-0.013621	0.037649	-0.004394	0.01008	-0.014285	-0.082317	-0.000789	-0.033074	-0.019389	-0.030466
152	0.008135	0.006914	0.008444	0.007366	0.012172	0.017906	0.012918	0.018942	0.015587	0.011025	-0.004799	-0.013506	0.009112	0.015787
153	0.010196	0.003494	-0.032792	-0.00561	-0.00436	0.017615	0.019982	-0.0061	0.013481	0.005198	0.005569	0.005243	0.016328	0.019221
154	0.00326	-0.0043	-0.000761	-0.006866	0.003047	-0.007418	-0.005834	0.011643	0.001779	0.05498	0.011852	0.012538	0.009537	0.007579
155	0.017192	0.020259	-0.008991	0.013717	-0.005856	-0.011814	-0.006823	-0.032101	-0.002985	0.038864	-0.001767	0.009618	-0.00261	-0.007879
156	-0.015891	-0.01738	-0.00789	0.009641	0.002213	0.010815	-0.008064	0.005145	-0.012912	0.04545	-0.0066	0.000447	-0.011968	-0.002818
157	0.00144	0.004401	0.001851	-0.001959	-0.013721	-0.009167	-0.01619	0.000495	-0.000798	0.03389	-0.00391	-0.000787	0.004535	0.005924
158	0.010454	0.016989	-0.003166	-0.007789	0.009101	0.011338	0.02093	-0.044723	0.006453	0.054446	-0.004981	-0.005846	-0.009564	-0.006012
159	-0.032014	-0.035863	0.038144	-0.02176	0.021096	0.006126	0.014202	0.020222	0.007814	0.023167	0.005886	-0.013102	-0.011365	-0.00395
160	0.01371	0.007428	0.016313	0.007547	-0.003418	-0.021369	-0.001923	0.024131	0.003218	-0.028726	-0.004673	-0.022409	-0.03521	-0.007491
161	-0.025869	-0.024136	-0.026828	-0.014473	-0.018666	0.009326	0.000426	-0.002459	-0.011494	-0.000349	-0.011447	-0.008117	0.024166	0.01217
162	-0.019592	-0.020957	0.032097	0.007993	0.022069	-0.002156	0.021804	-0.011643	0.027127	-0.054523	0.026995	0.014371	0.006426	-0.007462
163	0.004083	0.00037	0.02962	-0.002476	0.004424	-0.02184	0.00693	0.014607	0.014163	0.009715	-0.004293	-0.030075	-0.001673	0.004728
164	-0.003093	-0.007507	0.020483	0.022721	0.015034	0.026913	0.025378	-0.022373	0.001972	-0.017037	0.002562	-0.01591	-0.027256	-0.034453

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
165	0.002789	0.003686	-0.064739	0.026589	-0.047544	0.001842	-0.03987	-0.001325	-0.028477	-0.037758	-0.042668	-0.020181	0.018379	0.014084
166	0.011586	0.027376	0.013248	-0.003868	-0.015371	-0.013193	-0.02156	-0.000425	-0.031125	0.007869	0.009917	0.001488	-0.005667	-0.022881
167	0.006883	0.01503	-0.001487	0.013419	-0.014293	0.003228	-0.007072	0.00708	0.007189	0.003557	-0.004171	0.003037	0.012344	0.000602
168	-0.010213	-0.010887	0.011286	0.003479	0.013693	-0.007003	0.024133	0.000244	0.023764	-0.02012	0.007509	-0.004359	0.016774	0.019337
169	0.017263	0.019041	-0.002288	0.001981	0.006358	0.00213	0.001793	-0.01599	-0.002883	-0.017712	0.003271	0.005701	-0.001578	-0.003806
170	0.023414	0.025105	-0.001502	0.007655	0.008014	0.016033	0.006437	-0.00906	-0.000781	-0.034609	0.003738	0.005824	0.003834	0.005905
171	0.004838	0.011309	-0.0062	0.004535	0.021852	0.039094	0.029997	-0.012813	0.006338	-0.010317	-0.006563	0.002351	0.016862	0.009363
172	-0.00045	0.004851	-0.02234	-0.010746	-0.01324	0.006108	-0.011382	-0.00571	-0.006649	0.004111	-0.005946	0.00537	-0.004723	0.000119
173	0.00839	0.007378	-0.039661	-0.013719	-0.017568	-0.010523	-0.01342	-0.013082	-0.002732	-0.016617	-0.006797	0.006152	0.001534	0.007445
174	-0.003059	0.002016	-0.021254	-0.013162	-0.005129	-0.005863	-0.006419	-0.015143	-0.003044	-0.023154	-0.001778	0.001037	-0.014932	-0.021889
175	0.006526	0.008375	-0.037651	-0.006307	-0.014832	-0.016553	-0.019615	-0.02101	-0.025419	-0.065553	-0.014602	-0.013348	-0.035466	-0.043793
176	-0.003581	0.006349	-0.013387	0.00075	0.003076	0.023473	-0.011315	0.003439	-0.00188	0.015408	-0.015839	-0.005765	0.014153	0.02748
177	-0.052697	-0.05072	-0.018097	0.001159	-0.000496	0.019304	-0.00081	-0.002372	0.004595	0.023333	0.00635	-0.001517	0.000387	-0.014559
178	-0.016184	-0.016753	-0.000086	0.002748	-0.006985	-0.018216	0.004756	-0.012707	0.030796	-0.05005	0.008902	-0.01451	0.010713	0.007692
179	0.010274	0.008481	0.000885	0.01136	0.001323	-0.002223	0.007697	-0.000082	0.02091	-0.013065	0.008131	0.007094	0.01281	0.021425
180	0.011631	0.012015	0.002034	0.009039	-0.00023	-0.004503	0.001795	0.002817	0.022714	-0.029722	0.012899	0.015081	0.018889	0.025672
181	0.015276	0.014291	0.000309	0.011445	-0.000872	0.003496	-0.000801	-0.002579	0.01759	-0.025623	0.00782	0.011834	0.014233	0.025741
182	0.0016	0.004923	0.001086	0.007447	0.007106	0.014194	0.007282	0.002036	0.01363	-0.01082	0.005087	0.008728	0.012565	0.024718
183	-0.016398	-0.013949	0.000685	0.007758	0.014611	0.014687	0.021027	-0.014792	0.00798	0.024732	-0.009331	-0.001684	0.007858	0.006243
184	-0.035981	-0.028462	0.012258	-0.008549	0.016855	-0.001403	0.018469	-0.008457	0.015387	-0.002902	-0.00414	-0.008865	0.017473	0.009396
185	-0.011126	-0.010695	0.012966	0.002104	-0.012245	-0.032607	-0.025936	-0.007948	-0.02566	-0.010375	-0.014268	-0.006142	-0.024699	-0.02183
186	0.018225	0.018396	0.000481	-0.002798	0.016944	0.026178	0.022039	-0.001659	0.018196	-0.017007	0.033682	0.039946	0.017475	0.021319
187	-0.01357	-0.018031	0.00069	0.000305	0.00516	-0.011675	0.008928	-0.004099	0.019678	-0.013782	0.022407	0.018639	0.003977	0.006683
188	-0.023338	-0.022482	0.001229	-0.000659	0.005018	-0.012057	0.001197	-0.009361	0.01498	-0.008118	0.016298	0.016393	-0.00169	-0.005824
189	-0.017724	-0.01572	0.003426	-0.007991	0.018509	-0.011357	0.009165	-0.016516	0.012807	-0.005411	0.01568	0.011459	-0.007104	-0.006171
190	-0.006381	-0.000637	0.004795	-0.007692	-0.017223	-0.024336	-0.017663	-0.006122	-0.021707	-0.036773	-0.016654	-0.016281	-0.017818	-0.026393
191	0.004255	0.003756	0.004264	-0.001545	-0.011159	-0.004779	-0.008796	-0.006347	-0.015854	-0.018701	-0.004271	-0.000605	-0.005666	-0.011695
192	-0.005722	-0.009217	0.018611	0.006451	0.011188	0.006807	0.016267	0.008762	-0.0004	0.020657	0.003371	-0.002723	-0.009699	-0.026077
193	0.0033	0.002951	-0.011413	-0.008589	0.002649	0.003197	0.005651	0.003933	0.002552	-0.007893	-0.000074	0.002895	-0.002304	-0.001272
194	-0.008562	-0.008878	-0.005475	0.003634	0.001129	-0.034926	0.00238	-0.016756	0.006963	-0.002758	0.004037	0.001842	-0.013657	-0.019403
195	0.033749	0.040467	0.026282	0.000952	0.009391	0.000748	0.007035	0.018637	-0.001936	0.032061	0.009853	0.006501	-0.010738	0.002116
196	0.009867	0.015519	0.024329	0.003185	0.006641	-0.001474	0.000474	0.006117	-0.000641	-0.033611	0.011882	0.004913	-0.004205	-0.010623
197	0.00681	0.011569	0.005851	0.000164	0.005325	0.019021	0.001714	0.001455	-0.023144	-0.027051	-0.016014	-0.003538	-0.013998	-0.026782
198	0.007404	0.010844	0.028611	0.006108	0.010518	-0.004447	0.023614	0.005757	0.013023	0.02909	0.001157	-0.020607	-0.013767	-0.001152
199	-0.01958	-0.015726	0.041365	0.00669	0.005353	-0.039391	0.005725	-0.016383	0.01075	-0.026141	0.03066	-0.001899	-0.001709	0.007399
200	-0.01315	-0.011297	0.010835	0.002346	0.015664	0.038407	0.047502	-0.010958	0.03624	0.018294	0.004665	-0.012682	0.002865	0.002592
201	-0.004282	-0.008165	0.032345	0.005062	0.009644	0.005799	0.01064	-0.021908	-0.007887	-0.022468	-0.001754	-0.011886	-0.024283	-0.024491
202	0.012113	0.014298	0.023665	0.009075	0.016369	0.024156	0.028028	0.019433	0.021568	-0.005614	0.01159	-0.006435	-0.004763	-0.002003
203	-0.018386	-0.017496	-0.014483	-0.009219	-0.029255	-0.062005	-0.03599	-0.002126	-0.053868	0.043591	-0.028113	-0.033329	-0.042808	-0.051213
204	-0.012246	-0.012032	-0.007046	0.014303	0.014751	0.050128	-0.008897	0.036675	-0.00178	0.018251	0.014963	0.032149	0.03434	0.050105
205	0.017151	0.009238	0.007293	-0.017921	-0.044655	-0.042634	-0.033506	0.030175	0.028655	-0.001043	-0.035305	-0.04177	0.017909	0.022002

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
206	0.024605	0.031508	-0.006454	-0.022094	-0.011656	-0.034933	-0.000052	-0.007414	0.00384	0.001992	-0.014151	-0.031892	0.013543	-0.004906
207	-0.002027	-0.005853	-0.014151	0.03124	-0.015957	0.023729	-0.038724	-0.048167	-0.009732	-0.036659	-0.015027	0.007557	0.010696	0.019265
208	0.013031	0.014439	0.016171	0.00331	0.018041	-0.00093	0.004868	-0.01906	-0.023561	0.014213	-0.022852	-0.040704	-0.034309	-0.052411
209	-0.012511	-0.006748	-0.005949	-0.023432	0.021965	0.016307	0.004863	0.010794	-0.00661	0.051724	0.002813	-0.00047	0.005019	-0.003529
210	0.01161	0.013467	-0.012191	-0.006408	0.024728	0.030067	-0.000251	-0.044996	-0.027331	0.023126	0.014412	0.015467	-0.035107	-0.010372
211	-0.011049	-0.020998	-0.013365	-0.001365	-0.009915	0.023491	-0.009107	-0.010829	-0.005858	0.005413	0.018528	0.034345	-0.003758	0.016755
212	0.019472	0.013407	-0.001142	0.000678	0.000399	0.018576	0.002657	0.021444	-0.011127	0.054751	-0.022754	-0.003934	-0.010739	-0.001636
213	0.00051	-0.000461	-0.015799	0.027014	-0.021213	-0.022211	-0.027781	-0.015527	-0.01092	-0.033763	-0.000484	0.008592	-0.025877	-0.009348
214	-0.003308	-0.001305	0.024399	0.006851	0.016515	0.004174	0.019134	-0.011803	0.028915	-0.00547	0.015899	0.015285	0.024383	0.023846
215	0.014276	0.011458	-0.004724	-0.004924	0.022393	0.014078	0.018245	-0.00004	0.032237	-0.012741	0.011084	-0.001251	0.015575	0.018826
216	0.003698	0.002662	0.01224	0.017461	0.039597	0.043236	0.033985	0.00798	0.023861	-0.028079	0.015875	0.00775	0.012756	0.005853
217	-0.022863	-0.026056	0.027304	-0.001128	-0.002809	-0.037852	-0.000336	-0.017436	0.005096	0.016229	0.005675	-0.023607	-0.025239	-0.029152
218	0.023329	0.026802	0.000101	-0.020597	0.008339	0.01292	-0.006718	-0.002957	-0.007492	0.016505	-0.001958	0.004466	-0.00518	0.002973
219	0.018079	0.014868	0.00488	-0.005628	0.022591	0.021352	0.016147	-0.022405	-0.003187	0.003239	-0.001476	-0.00722	-0.005179	-0.011763
220	-0.017515	-0.01198	0.037346	0.001936	0.007392	-0.038506	-0.003371	-0.022587	-0.002734	0.029846	0.001966	-0.019281	-0.01102	-0.017034
221	0.020353	0.017419	-0.024293	-0.006797	-0.00263	0.006023	-0.010582	-0.004899	-0.006629	0.036136	-0.015346	0.006675	-0.007159	0.006433
222	0.020513	0.015156	-0.002941	-0.011061	-0.002409	-0.013206	-0.005861	-0.000951	-0.009207	0.032354	-0.015025	-0.018903	-0.019459	-0.016499
223	0.028482	0.026136	-0.022696	-0.003749	-0.002524	-0.000584	-0.012	-0.022624	-0.023285	0.007715	-0.017209	-0.005491	-0.020554	-0.011947
224	-0.001353	0.005818	0.017708	0.014932	0.028181	0.021467	0.031303	0.028263	0.01499	0.005739	0.019268	0.004035	-0.005092	-0.013157
225	0.00512	0.013539	0.021394	0.019822	0.029921	0.016523	0.030601	0.022429	0.006846	0.01481	0.015256	0.008557	-0.017271	-0.023991
226	0.015302	0.016158	-0.010016	-0.014319	0.008687	-0.001174	0.005206	0.015557	-0.014627	0.025146	-0.00277	-0.003728	-0.006728	-0.011166
227	0.010806	0.012832	-0.014543	-0.013273	0.016055	-0.015656	0.032163	0.041185	0.022255	0.015885	0.016578	-0.011557	0.012935	-0.0089
228	0.011585	0.008097	0.021398	-0.004521	0.015373	-0.010623	0.014552	-0.001199	-0.001432	-0.028407	-0.000979	-0.004241	-0.026852	-0.028421
229	0.025683	0.01904	0.015926	0.002772	-0.03173	-0.029751	-0.036177	0.01304	-0.001505	-0.012657	0.004734	0.021015	-0.011113	0.008392
230	0.007772	0.00188	0.010987	0.005948	-0.034183	-0.034347	-0.023939	0.009396	0.01511	-0.039475	-0.000177	-0.00179	0.025501	0.020414
231	0.013533	0.009482	-0.036128	-0.013353	-0.024546	-0.001113	-0.032431	0.038032	-0.032971	0.004158	-0.020465	-0.003326	0.004851	0.009971
232	0.01154	0.008409	0.017824	0.010461	0.021602	0.008346	0.02182	-0.005702	0.007539	0.010842	0.00605	0.015418	-0.00833	0.001399
233	0.019942	0.00931	-0.000948	0.011764	0.008721	0.013146	0.012226	0.013515	0.02197	0.006088	0.02315	0.02394	0.006418	0.021837
234	-0.006136	-0.014221	-0.009435	0.00306	0.01688	0.014226	0.017416	-0.00397	0.01187	-0.026272	-0.014308	0.002859	0.013037	0.001769
235	-0.003234	-0.012533	-0.013936	-0.005474	-0.006074	-0.006449	-0.003184	0.024811	0.012193	-0.00319	-0.008698	-0.003184	0.011876	0.015252
236	0.003466	0.010422	-0.025889	0.003424	-0.009012	0.011591	-0.010511	-0.000564	-0.011429	0.006477	-0.01339	0.005353	0.018717	0.019703
237	-0.033131	-0.030781	-0.000147	0.007821	0.010902	0.024715	0.013333	-0.0082	0.002765	-0.033776	0.005574	0.01836	0.003295	-0.006309
238	-0.008811	-0.020618	0.00882	0.01285	0.003906	0.021204	0.007458	-0.009343	0.000858	-0.043365	-0.005862	-0.001674	-0.000186	-0.008092
239	0.01534	0.003174	0.001316	0.004939	-0.002341	0.014594	-0.004116	0.005161	-0.007726	-0.017672	-0.010487	-0.014089	-0.005657	-0.003525
240	-0.001247	-0.010276	-0.010042	0.01259	0.000665	-0.006977	-0.000233	0.003235	-0.00233	-0.03192	0.010892	0.007668	-0.000811	-0.011966
241	-0.00033	-0.003853	0.010669	0.020863	0.023226	0.02919	0.00692	0.007732	0.00842	-0.008657	0.021486	0.029782	0.007376	0.005128
242	-0.006764	-0.010042	-0.017756	-0.003202	-0.013236	-0.013938	-0.016098	0.022162	0.00889	0.020529	-0.003052	0.001995	0.011692	0.026916
243	-0.016354	-0.026407	-0.000101	-0.006587	0.009408	-0.009742	0.014901	0.00752	0.009379	-0.003353	0.014058	0.00357	-0.030391	-0.011127
244	-0.000719	-0.001568	0.007112	-0.00832	0.0083	0.005554	0.012235	-0.00284	0.018955	0.016477	0.010115	0.016398	0.006198	0.017848
245	-0.001365	0.003662	0.016734	0.016609	0.005634	0.009088	-0.001583	-0.007562	0.01003	0.026314	0.009404	0.012405	0.001122	0.006059
246	-0.014951	-0.013964	-0.006614	0.001616	-0.002296	-0.005291	0.000073	-0.00048	0.004883	0.009691	-0.000697	-0.008865	0.014762	0.011643

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
247	-0.005551	-0.003434	-0.003162	0.001191	-0.010783	-0.028307	-0.009299	-0.005168	-0.008066	0.01125	-0.005863	-0.012633	-0.001905	-0.004388
248	-0.000597	0.002781	0.010908	0.001997	0.002183	-0.022891	0.003039	-0.009768	0.000009	0.017379	-0.003096	-0.001821	0.00364	-0.006271
249	0.006942	0.001477	0.001859	0.007499	0.000198	-0.005864	0.001621	0.009535	0.000254	0.01431	0.00011	-0.003825	0.014662	0.003814
250	-0.006787	-0.011535	-0.023282	0.011547	-0.001025	0.009527	0.003111	-0.01478	-0.001734	-0.032267	-0.003046	0.008887	0.017255	0.002449
251	-0.017138	-0.02132	0.006478	0.018869	0.008557	-0.001032	0.007442	-0.016161	0.000177	-0.021987	0.003282	0.011243	0.004599	-0.014131
252	-0.008736	-0.004939	0.025786	0.011444	0.004657	-0.008796	-0.006195	0.006124	0.00371	0.035576	0.004975	0.02072	-0.001832	0.004911
253	-0.015181	-0.009617	0.004712	0.009474	0.007936	0.004971	-0.001897	-0.000761	-0.006507	0.006781	-0.005641	0.014651	-0.014111	-0.01191
254	0.015058	0.011081	-0.021569	0.006654	0.004792	0.012789	0.005453	-0.010668	-0.00461	-0.011558	0.006391	0.010877	-0.003378	0.005998
255	-0.008075	-0.01281	-0.011142	0.006919	0.001875	-0.003653	0.007632	-0.004336	0.0104	0.0052	0.007284	0.010199	0.006773	0.012154
256	-0.005848	-0.00005	0.006936	0.011399	0.00113	0.012347	-0.012868	0.01807	0.003377	0.032981	-0.009857	0.008191	0.00318	0.008324
257	0.013596	0.013588	-0.006241	0.009141	-0.014756	0.000975	-0.009295	0.008159	0.003581	0.0082	-0.02028	-0.020713	0.006924	0.012547
258	-0.000573	0.009694	0.007302	0.00229	0.020158	0.007203	0.011307	0.007595	0.000811	0.009529	0.01515	0.00107	-0.019783	-0.017652
259	0.004498	0.002656	-0.009158	0.002653	-0.003204	-0.003009	0.000336	-0.002318	-0.006568	0.006355	-0.003883	0.001433	0.000818	-0.010094
260	-0.0024	0.008446	0.010534	0.002653	-0.006466	-0.032508	-0.011426	-0.01788	-0.005484	0.012516	-0.003716	0.010338	0.000066	0.001413
261	-0.013055	-0.008505	0.007316	0.000895	-0.0026	-0.03	-0.011469	-0.000122	-0.013973	-0.011618	-0.002942	0.003446	-0.010034	-0.021417
262	-0.010527	-0.007063	0.00206	-0.002713	-0.024734	-0.028081	-0.022301	0.009814	-0.005783	0.003665	-0.015795	-0.015474	0.001522	0.002665
263	-0.008888	-0.00595	-0.000996	-0.000258	-0.021203	-0.01981	-0.011865	0.002593	0.001368	0.011738	-0.013363	-0.008377	0.008594	0.007903
264	0.00762	0.004949	-0.005904	-0.003089	0.010143	0.012652	0.012559	0.020803	0.000302	0.018657	0.005423	0.001013	0.004676	-0.001189
265	0.016119	0.021184	-0.001959	-0.003589	0.016929	0.017301	0.017286	0.019087	-0.013932	0.027177	0.010219	0.006708	-0.008126	-0.003723
266	0.000374	0.005229	0.013089	0.005025	0.023006	0.006854	0.014033	0.003999	-0.015117	0.019962	0.01252	0.01433	-0.018696	-0.012904
267	0.01704	0.022679	0.003105	-0.011942	0.012897	0.006806	0.006959	0.010087	-0.000184	0.001602	0.002718	0.001111	-0.010029	-0.00265
268	0.014945	0.016609	-0.014235	-0.016879	0.005523	0.005605	0.002575	0.015519	-0.017458	0.025855	-0.006677	-0.006805	-0.003685	-0.007051
269	0.008938	0.010899	-0.007521	-0.012344	0.008092	0.000799	0.003247	0.009021	-0.008837	0.021199	-0.004701	-0.000486	-0.001172	-0.001414
270	0.003258	0.008739	-0.005206	-0.019654	0.005225	-0.024401	0.010884	0.009189	0.001155	0.01275	0.001598	-0.014428	0.006001	-0.008195
271	0.003106	0.005711	-0.004183	0.00418	0.002584	0.022414	0.012004	0.004197	0.00623	0.013581	0.01577	0.022658	0.015463	0.031318
272	0.024194	0.021313	-0.000823	-0.006489	-0.04265	-0.0315	-0.045291	0.00763	-0.025101	-0.010623	-0.007942	0.008454	-0.018685	-0.008295
273	0.008749	0.013302	0.000044	-0.018213	-0.060291	-0.061577	-0.052382	0.001577	-0.017942	0.000601	-0.009421	-0.007773	0.012573	0.00595
274	0.007687	0.01186	0.00174	-0.015949	-0.058698	-0.061729	-0.051174	0.003098	-0.014095	-0.003342	-0.006281	-0.005286	0.014227	0.008076
275	-0.014633	-0.011478	0.006511	-0.019653	-0.040611	-0.083985	-0.011414	-0.002154	0.034062	-0.03055	0.010498	-0.024612	0.042469	0.01972
276	0.015767	0.019967	-0.021305	0.004928	-0.014802	0.009718	-0.024639	0.007306	-0.01976	-0.007208	-0.009329	0.012031	0.004214	0.010978
277	-0.002997	0.003638	0.002291	-0.005513	0.001791	0.004706	0.001972	0.007053	0.004511	-0.014263	0.009323	0.009885	0.000087	0.005148
278	-0.004645	0.003209	0.005861	-0.005403	0.003433	0.005023	0.004036	-0.000086	0.009366	-0.024887	0.005833	0.009732	0.000466	0.002999
279	0.012297	-0.000854	0.007922	0.003563	0.005626	0.008879	0.010441	-0.010086	0.003747	-0.041704	-0.000566	-0.008261	-0.0053	-0.007135
280	0.000393	-0.001247	0.004568	-0.000626	0.015061	0.007047	0.016891	0.018138	0.005716	-0.007822	0.022647	0.011615	-0.02883	-0.020301
281	-0.008557	-0.001676	0.005012	-0.00659	0.003004	-0.012322	-0.009284	-0.002475	-0.023628	0.017319	0.010499	-0.002166	-0.01884	-0.022299
282	-0.003026	0.00521	0.014177	-0.006045	0.009728	-0.001734	0.003583	-0.000451	-0.005171	0.010225	0.014132	-0.003276	-0.017286	-0.012122
283	-0.003078	0.00005	0.005998	-0.006423	-0.006755	-0.034138	-0.004615	-0.011693	-0.008583	-0.002221	-0.001232	-0.007159	-0.004799	-0.014815
284	0.012914	0.013667	-0.00725	0.001832	-0.01223	0.00577	-0.007919	0.004978	-0.000149	-0.00399	-0.016519	-0.013542	0.006436	0.007071
285	0.011092	0.01084	0.001349	0.004082	-0.006541	0.010882	0.000476	0.002931	0.010753	-0.00389	-0.016468	-0.017017	0.012316	0.01641
286	0.010591	0.012014	0.015702	0.013681	0.035027	0.036573	0.025634	0.007171	0.01274	-0.007236	0.030331	0.012474	-0.024196	-0.013586
287	0.00609	0.008216	0.020461	0.008295	0.035291	0.026246	0.029711	0.003949	0.020513	-0.009867	0.030663	0.010324	-0.022403	-0.012693

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
288	-0.043338	-0.032587	0.011689	-0.005324	0.021604	-0.013964	0.012338	0.000559	0.011349	-0.001048	0.019723	0.008181	-0.000759	-0.020738
289	-0.015043	-0.006171	0.012102	-0.005485	-0.010617	-0.029461	-0.003622	0.011612	0.008092	0.011771	-0.002082	-0.020096	0.011378	0.008719
290	-0.105139	-0.101795	0.001788	-0.006764	-0.00632	-0.029169	0.000168	-0.02829	0.009112	-0.024996	0.000202	-0.007826	0.011961	-0.0118
291	0.896919	-0.10011	0.000898	-0.006237	-0.005634	-0.02707	0.001816	-0.02699	0.009583	-0.025973	0.002479	-0.006877	0.010596	-0.011436
292	-0.099404	0.893714	-0.002932	-0.002063	-0.006653	-0.024897	-0.000304	-0.025691	0.009563	-0.032813	0.002811	-0.005949	0.007799	-0.010543
293	0.003639	-0.001697	0.853817	-0.035356	-0.053181	0.017598	-0.056591	0.015454	-0.055111	0.017731	-0.053106	-0.00059	0.015504	0.005655
294	0.003224	0.005096	-0.041903	0.950999	-0.027712	-0.027878	-0.029284	-0.004079	-0.024367	0.008781	-0.024995	-0.01935	-0.004515	-0.010573
295	-0.000283	-0.002052	-0.064724	-0.030119	0.900964	-0.064916	-0.091419	0.001552	-0.049461	-0.005787	-0.053266	-0.028667	0.007911	-0.001864
296	-0.010065	-0.005228	-0.00083	-0.040402	-0.077603	0.843462	-0.071762	-0.033406	-0.028378	0.001616	-0.02815	-0.039567	-0.012797	-0.028476
297	0.002083	0.003146	-0.056195	-0.025801	-0.085385	-0.054504	0.893233	0.006654	-0.068435	0.002475	-0.054102	-0.021483	-0.012906	-0.016974
298	-0.027426	-0.024808	0.011643	-0.012566	-0.000225	-0.029494	0.002974	0.858864	-0.017768	-0.07137	-0.020465	-0.014937	-0.037106	-0.041353
299	0.005109	0.006834	-0.052227	-0.022856	-0.040746	-0.010195	-0.065071	-0.019679	0.896176	0.000843	-0.056876	-0.025939	-0.067541	-0.071904
300	-0.019083	-0.025231	0.016271	0.008559	-0.008424	-0.005083	0.008083	-0.068087	0.014379	0.76483	0.010424	-0.01473	-0.016043	-0.026908
301	-0.003175	-0.004489	-0.052744	-0.023567	-0.049995	-0.014579	-0.049781	-0.019033	-0.056296	0.002007	0.924803	-0.044477	-0.018083	-0.026418
302	-0.00445	-0.004693	-0.001979	-0.021857	-0.031579	-0.0406	-0.023636	-0.019978	-0.027504	-0.017058	-0.04245	0.931705	-0.024953	-0.037386
303	0.012529	0.010956	0.00735	-0.013426	0.007299	-0.007855	-0.01302	-0.041656	-0.065796	-0.023687	-0.022056	-0.026473	0.882236	-0.099792
304	-0.005603	-0.002224	0.009759	-0.016975	0.003193	-0.022213	-0.011633	-0.051542	-0.072195	-0.037325	-0.029881	-0.038692	-0.105453	0.871287
305	0.007125	0.003161	-0.057857	-0.009978	-0.020854	0.028429	-0.016661	0.003065	-0.022952	-0.007097	-0.034014	-0.019471	0.001497	-0.003666
306	-0.019498	-0.012378	-0.081194	-0.035746	-0.047202	-0.037021	-0.045482	0.02089	-0.035591	0.008316	-0.036642	-0.016821	0.002295	-0.008139
307	-0.013733	-0.010004	-0.000153	-0.007359	-0.018331	-0.009017	-0.015334	0.011456	-0.002121	-0.061355	0.018302	0.024232	-0.023788	-0.021679
308	-0.007386	-0.016009	-0.013502	0.010368	-0.017241	-0.029971	-0.006791	-0.012961	0.008342	0.024535	0.000072	0.028023	0.016326	0.018437
309	0.005336	0.007635	-0.018882	-0.023403	-0.008693	-0.017906	-0.003873	-0.008691	-0.007587	-0.011645	-0.01716	-0.021437	-0.004404	-0.003933
310	-0.004491	0.002628	-0.007549	-0.028125	-0.0065	-0.038748	0.012243	-0.040348	0.001187	0.017389	-0.003605	-0.025257	-0.018324	-0.005098
311	0.00511	0.007606	-0.029782	-0.018604	-0.022995	-0.018592	-0.022475	-0.009662	-0.017572	-0.013104	-0.015579	-0.00006	-0.001734	-0.007952
312	-0.020401	-0.027646	0.020666	-0.015077	-0.008587	-0.038093	-0.039331	0.000774	-0.005249	0.004944	0.013933	0.00532	-0.025636	-0.026892
313	0.011926	0.012406	-0.01638	-0.007811	-0.005548	-0.006676	-0.01064	-0.006308	-0.005322	0.005464	-0.011809	0.005072	-0.005802	-0.009743
314	0.01981	0.021734	0.009912	-0.012634	0.002971	0.022719	-0.020924	-0.032867	-0.004895	-0.029096	0.012796	0.021484	-0.015516	-0.015248
315	0.007122	0.006527	-0.015264	-0.011075	0.002194	-0.005816	-0.013777	-0.0039	-0.023897	-0.015218	-0.002334	0.004699	-0.033083	-0.021272
316	-0.014015	-0.010271	-0.016611	-0.00951	-0.010188	-0.020003	0.014501	-0.034351	0.031171	-0.009696	-0.03181	-0.024623	0.006279	0.019703
317	0.015459	0.015577	-0.025572	-0.020949	-0.026659	-0.02389	-0.015757	-0.01699	-0.002403	-0.017348	-0.0276	-0.016145	0.006103	0.018147
318	0.007164	0.006654	-0.024076	-0.009277	-0.017713	-0.009489	-0.011968	-0.028162	-0.012505	0.015754	-0.022648	-0.002254	0.002116	-0.004334
319	0.011495	0.0136	-0.007696	-0.007086	0.006457	0.003819	-0.004719	-0.010758	-0.01565	-0.018808	-0.004988	0.005421	-0.028995	-0.007717
320	0.000785	0.003033	-0.019524	-0.017323	-0.007957	-0.016817	-0.006961	-0.024248	-0.002444	0.006837	-0.005769	-0.006111	0.001511	-0.002818
321	-0.013498	-0.005522	0.011717	-0.026732	-0.025797	-0.031069	-0.039823	-0.008747	-0.038813	-0.012318	-0.019987	-0.018564	-0.033118	-0.039397
322	0.006483	-0.003154	0.015999	-0.008986	-0.001278	-0.003157	0.025616	-0.047414	0.014568	-0.061655	-0.013	-0.032019	0.005734	-0.007291
323	0.000196	-0.002974	0.025614	0.01043	0.012441	0.032564	0.011263	-0.038171	-0.014001	-0.011996	-0.00619	0.001307	-0.015573	-0.016915
324	-0.003865	0.0038	-0.012019	-0.02009	0.007086	-0.022475	0.007226	-0.014213	-0.0159	0.017159	-0.008992	-0.033805	0.004511	-0.020284
325	0.009789	0.013151	0.003082	-0.034469	-0.002776	-0.051702	-0.013558	-0.003234	-0.001891	0.001843	-0.006174	-0.016086	-0.01298	-0.001174
326	0.013499	0.015667	-0.00516	-0.015649	0.004932	-0.013967	0.009032	0.011429	0.008134	0.009988	0.013987	-0.002305	-0.000198	0.011342
327	0.004596	0.000371	0.009087	-0.013113	-0.014592	-0.030374	-0.004666	-0.028509	-0.012617	-0.027303	-0.010132	-0.025453	-0.025767	-0.025081
328	-0.005399	0.000514	0.016242	-0.016839	0.001004	-0.038709	-0.001769	-0.054401	0.018834	-0.059833	-0.002232	-0.003521	0.02935	0.008759

	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS
329	0.013596	0.007258	0.030097	0.003502	0.000927	-0.003727	0.001787	-0.016652	-0.012703	-0.006875	-0.008189	-0.021278	-0.028938	-0.011051
330	0.017981	0.023142	0.030471	-0.009249	0.010942	0.007353	0.018775	-0.043201	0.006734	-0.061147	-0.006072	-0.034035	-0.02219	-0.011867
331	0.003436	0.000909	-0.014698	-0.020899	0.014593	0.006739	0.007555	-0.005561	-0.010972	-0.01217	0.004933	-0.000428	-0.029368	-0.022116
332	0.003095	0.018078	-0.013894	-0.009453	-0.009569	0.003237	-0.004831	-0.013387	-0.003818	-0.087556	-0.00869	-0.012683	-0.001828	-0.010904
333	0.005852	0.00703	-0.006942	-0.021288	0.002596	-0.016286	0.000652	0.000221	0.005769	-0.006152	-0.012631	-0.016229	0.005042	0.007791
334	0.005516	-0.008301	0.035518	-0.013623	0.004721	-0.032155	-0.010935	0.005292	0.026932	0.029838	-0.001278	-0.025947	0.006317	0.026488
335	0.003497	0.006391	-0.004092	-0.017687	0.023236	0.021487	0.017827	-0.003484	0.000787	-0.004622	0.003117	0.005695	-0.010341	-0.003533
336	-0.008588	-0.00243	-0.008527	-0.024844	-0.010677	-0.005312	0.002131	-0.021827	-0.018538	-0.051176	-0.026966	-0.024939	-0.018236	-0.032215
337	-0.031311	-0.031628	-0.025573	-0.01408	-0.028215	-0.036242	-0.029597	-0.029028	-0.046287	0.011071	-0.039822	-0.020168	-0.02569	-0.027256
338	0.029171	0.022238	0.024299	-0.000058	-0.019333	-0.066721	-0.000237	-0.078984	-0.009448	-0.001603	-0.001738	-0.012277	-0.017883	-0.015541
339	-0.009347	-0.012791	-0.008504	-0.000061	-0.001437	0.014871	-0.010894	-0.006379	-0.009182	-0.032102	-0.013709	-0.00589	-0.007407	-0.015188
340	0.008995	0.012675	-0.009048	0.019023	-0.017312	-0.027308	-0.024128	-0.017104	-0.046509	0.024997	0.006282	0.005898	-0.038303	-0.023769

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
1	-0.007355	0.032789	-0.074754	-0.034326	0.01061	0.038956	0.018526	0.084486	0.020092	-0.070569	0.008067	0.049366	0.03155	-0.049021
2	0.014812	0.008158	0.084008	0.039198	0.032327	0.046461	0.005992	0.030047	-0.065453	0.09981	0.027099	-0.081288	-0.004699	0.027303
3	-0.063571	-0.000836	0.006708	-0.012395	-0.116326	-0.129417	-0.093444	-0.046742	-0.08385	-0.01875	-0.074544	-0.026095	-0.10299	-0.095009
4	-0.067838	-0.108554	0.16663	-0.006964	0.006956	0.041977	0.014572	0.133037	0.009644	0.231827	0.042714	-0.019515	0.000677	0.067153
5	-0.015311	0.011647	0.112101	0.036586	-0.027883	-0.011165	-0.011898	0.035864	-0.057044	-0.043024	0.016635	0.009416	-0.032516	0.029149
6	0.023145	0.013527	0.049064	0.002061	0.057046	0.146641	0.021833	0.049955	0.043044	0.030479	0.063003	0.095615	0.041836	0.028691
7	-0.034399	-0.04935	0.021016	-0.013465	0.053272	0.035261	0.058712	0.037122	0.00965	0.063099	0.079812	0.035447	0.069184	0.122135
8	0.038897	0.047153	0.052477	0.075378	0.021735	0.008584	0.025403	-0.017165	-0.01433	-0.033609	-0.00706	0.070472	-0.011756	-0.005276
9	-0.100204	-0.139411	-0.099642	-0.182696	0.028899	0.033408	-0.049687	-0.088915	-0.021581	0.000252	0.007124	-0.066521	0.006039	0.02196
10	0.122191	-0.023095	0.085046	0.020113	-0.05517	-0.09732	-0.035078	0.059667	-0.020827	0.00985	-0.030538	0.10264	-0.065539	-0.079151
11	0.041214	-0.010677	-0.07432	-0.056008	-0.004265	0.053567	0.031182	-0.035251	0.032021	0.00585	-0.021957	0.037417	-0.009368	0.004943
12	0.015882	0.002567	0.078731	-0.034642	-0.016307	-0.002099	0.030475	-0.012546	0.003543	0.086006	0.003905	-0.071558	-0.029413	0.007083
13	0.064986	-0.046689	0.039119	-0.004534	-0.009397	-0.035951	-0.018294	0.039808	-0.014346	-0.116723	0.019047	-0.139684	-0.032224	-0.062762
14	-0.038102	-0.063155	-0.050833	0.060705	0.017531	-0.025411	0.019875	0.038553	0.032041	-0.014697	0.006838	0.091216	0.041224	0.065367
15	0.018584	-0.199832	-0.062216	0.127685	0.018122	-0.021999	-0.050551	0.070586	-0.015707	0.013185	0.010817	-0.003382	0.021024	-0.023182
16	-0.015875	-0.037517	-0.036154	-0.06726	0.033997	0.028358	0.017375	-0.042619	0.054815	0.119675	0.036448	-0.04121	0.036032	0.018208
17	0.018243	0.003815	-0.136372	-0.048637	-0.023694	0.019563	-0.067523	0.02881	-0.062226	0.025051	-0.072686	0.072825	-0.07042	-0.049402
18	0.134199	0.02519	-0.045332	-0.088538	-0.032349	-0.126969	0.020268	0.089565	-0.011897	0.131348	0.006297	-0.081551	-0.041679	0.018711
19	-0.031249	0.067244	0.073943	0.114672	0.007333	-0.014349	0.032249	0.121	0.000759	-0.05818	-0.004929	0.002431	-0.022659	0.003183
20	0.021387	-0.030902	-0.039661	-0.107407	-0.02009	-0.018803	-0.041728	-0.115938	-0.071381	-0.093079	-0.07798	-0.022223	-0.024356	-0.060028
21	-0.019391	0.025643	0.005151	0.015321	-0.013528	-0.053764	0.001768	0.021099	0.03923	-0.09458	-0.024822	-0.116238	0.044279	0.052901
22	-0.030057	-0.030183	0.070447	-0.000474	-0.031776	0.006356	0.002841	-0.167459	-0.081778	-0.100152	-0.001506	-0.131397	-0.039655	-0.054439
23	-0.018652	0.051157	-0.007806	-0.008492	0.108875	0.054158	0.005119	0.019107	0.022692	0.036821	0.025691	-0.002676	0.037267	-0.044107
24	0.007382	0.08632	-0.052316	-0.069312	0.036811	0.099902	-0.034275	-0.011618	-0.015604	-0.114359	0.051653	-0.004703	-0.00929	-0.014956
25	-0.048389	-0.148006	-0.132436	0.027442	-0.009956	-0.117706	0.020848	0.113441	-0.018915	-0.077877	0.011893	-0.085386	-0.030334	0.032557
26	-0.160066	-0.008443	0.037455	0.005091	-0.035326	0.029569	-0.014712	-0.068534	-0.050179	-0.047987	-0.07709	-0.022227	-0.016452	-0.012454
27	0.094024	-0.086834	-0.050702	-0.009384	0.027138	0.048867	-0.044655	-0.16257	-0.00455	-0.055816	0.017591	0.091121	-0.006814	0.021044
28	-0.070006	-0.01214	0.078095	0.083497	-0.017771	-0.025197	0.078264	0.0345	0.108721	0.051183	0.039948	-0.026704	-0.057913	-0.031598
29	-0.016202	0.022549	-0.019081	-0.017992	-0.005297	0.011628	-0.007065	-0.01438	0.01941	-0.081646	-0.021327	0.03921	0.009392	-0.016875
30	0.03199	-0.091061	0.020469	0.045158	0.003439	-0.09666	0.012552	0.016361	-0.005282	-0.072307	0.028378	-0.00001	0.014236	0.059588
31	0.043196	0.079501	0.001824	-0.015624	-0.003292	-0.012556	0.0009	0.01004	0.019367	0.137727	-0.005364	0.020773	-0.009019	0.033505
32	-0.015504	-0.086752	-0.02089	0.085376	0.051903	-0.049623	0.032011	0.034945	-0.00591	-0.126675	0.01286	-0.044945	0.010884	0.09366
33	-0.031439	0.116546	0.011228	-0.140005	-0.009249	-0.028699	0.010427	-0.027792	0.037218	-0.033187	-0.001892	-0.082453	0.015551	-0.019499
34	-0.054047	0.023295	-0.039385	0.064197	-0.039184	-0.088171	-0.039356	0.123958	-0.005929	0.053892	0.036441	-0.033776	0.006102	-0.075094
35	0.005239	-0.029046	0.074261	0.268031	-0.028203	-0.010639	0.033887	-0.12424	0.024313	-0.0153	-0.003978	0.015136	-0.013825	-0.033039
36	-0.110608	0.002647	0.125828	0.001444	-0.035145	0.024301	-0.055724	0.053048	-0.07443	0.005129	-0.053178	-0.050827	-0.086769	-0.043625
37	0.025922	0.015945	0.097431	-0.02947	-0.014392	0.037319	-0.007521	-0.002954	0.032076	0.115251	0.011146	0.046911	0.032538	0.124652
38	-0.022002	-0.085294	-0.099106	-0.023455	-0.017559	0.001953	-0.045516	0.086623	0.008845	-0.000986	-0.039656	0.009235	-0.021664	-0.104121
39	0.030209	-0.034406	-0.015486	0.070314	0.010712	0.003295	0.008756	0.10311	0.056221	0.038829	-0.008471	-0.057928	0.003037	0.00984
40	-0.025392	0.005981	-0.001661	-0.024732	-0.000506	0.011146	-0.012147	0.002688	-0.006729	-0.012064	-0.017684	-0.000057	-0.009379	-0.018522
41	0.095437	0.074473	-0.069418	-0.091017	0.051785	0.081929	0.042574	-0.08777	-0.011224	0.018462	-0.001087	0.022632	0.083334	0.045765

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
42	-0.009079	-0.026838	-0.010558	-0.075575	-0.006052	-0.093825	0.025431	-0.06694	0.025804	-0.000855	-0.011363	0.110131	-0.017474	-0.047571
43	-0.003994	0.018433	0.045339	-0.083497	0.0096	0.051112	0.000193	-0.049749	-0.003983	-0.086143	0.027059	-0.031198	-0.029596	0.04057
44	-0.006469	0.031235	-0.006196	-0.029925	-0.01281	0.009871	-0.002326	0.073315	-0.052431	-0.090828	-0.048897	-0.033017	-0.025816	0.036782
45	0.02559	-0.046386	0.01525	-0.108028	0.021045	0.10025	-0.037323	0.066747	-0.001857	0.159018	0.026945	-0.017915	0.01226	-0.027084
46	0.013467	-0.083368	-0.050607	-0.028413	0.013988	0.035859	0.058518	-0.154302	0.055664	-0.083125	-0.016086	0.051441	0.008164	0.006189
47	0.03422	-0.087597	-0.004435	-0.029552	0.043037	0.074849	0.009745	0.041156	-0.048963	-0.039317	-0.004107	0.032527	0.032103	-0.055784
48	-0.032964	0.06755	0.029257	0.066253	-0.023979	-0.043089	-0.021942	0.043019	0.03925	-0.039917	0.017827	0.092789	0.005855	0.002643
49	0.017783	-0.024273	-0.062328	0.026092	0.009369	-0.044917	0.064992	0.01653	-0.014327	-0.024847	-0.037956	0.079463	0.009099	-0.010771
50	-0.039719	-0.050878	-0.069081	0.060413	-0.00566	-0.022364	0.017689	0.100291	-0.013936	-0.00953	0.016497	-0.149479	-0.017113	-0.034295
51	-0.083598	0.013418	0.026353	-0.024095	0.033237	-0.014703	0.01772	-0.001281	0.045052	-0.022629	0.07559	0.128755	0.05033	0.03406
52	-0.059445	-0.166218	0.14882	-0.072875	0.012961	-0.023607	-0.039734	0.005063	-0.039813	0.082897	-0.017908	0.008147	0.054872	0.051204
53	0.047749	0.006544	0.100399	0.074768	-0.016802	-0.079579	0.015041	0.080239	-0.02731	-0.168824	0.014523	-0.106669	-0.056208	0.003766
54	-0.029887	0.06793	0.187805	0.007517	0.036552	0.027728	0.024471	-0.112712	-0.001206	0.116221	0.009131	-0.124993	0.073677	0.115506
55	-0.013798	-0.031333	-0.023263	-0.06009	0.022889	0.025079	-0.011182	-0.124995	-0.05822	0.045995	0.008732	0.112679	0.01972	0.101465
56	-0.018234	-0.014007	-0.021493	-0.081569	-0.019474	0.014437	0.023011	-0.047338	-0.00763	-0.021098	0.032916	0.011156	0.03279	0.047109
57	0.019241	-0.059404	-0.104733	0.085036	-0.081533	-0.068749	-0.015548	-0.003904	0.016767	-0.014967	-0.060337	-0.070307	-0.059943	0.080531
58	-0.01609	-0.094317	0.043479	0.061902	0.021458	0.081313	-0.00206	0.076953	-0.009954	-0.027714	-0.015297	0.065673	0.039808	0.052026
59	0.021606	0.013282	-0.069915	0.109058	-0.022992	-0.045284	-0.045661	-0.005622	0.02639	0.041487	0.051349	0.10467	0.028583	0.016099
60	-0.005173	-0.035855	-0.011435	0.00855	-0.009644	-0.018565	-0.002194	-0.010397	-0.008272	0.002864	-0.015825	0.001126	-0.007427	-0.022398
61	0.001165	0.017916	-0.003536	0.009765	-0.003084	-0.010252	-0.009544	-0.00328	-0.003836	-0.007036	-0.006887	0.030368	-0.013176	-0.018462
62	0.001449	0.011732	0.047899	-0.039952	0.002867	0.010595	0.010411	-0.032377	-0.007815	0.055206	-0.000326	-0.008343	0.006434	-0.005855
63	-0.013698	0.034595	0.003165	-0.008662	-0.002914	-0.010549	0.008012	-0.037827	-0.003818	-0.026357	-0.006951	0.013901	-0.006144	0.018601
64	0.008588	-0.006524	0.009291	0.021811	0.000704	-0.016456	-0.001903	-0.010676	-0.023216	-0.009272	-0.001899	-0.007582	0.006927	0.023149
65	-0.030088	-0.013563	0.00686	-0.020567	0.006551	0.006108	-0.001148	0.003204	-0.004781	0.014963	-0.003326	-0.011003	0.011176	-0.007934
66	-0.011473	-0.016499	0.005413	-0.004382	0.00175	0.01565	-0.003269	-0.02299	-0.005329	-0.037789	-0.008182	0.003229	-0.00075	0.039357
67	-0.02954	0.011782	0.030941	-0.004979	-0.017482	-0.008107	-0.013501	-0.005331	-0.030996	-0.055207	-0.014933	-0.052192	-0.016626	0.011591
68	-0.007966	-0.04715	-0.033705	-0.004507	-0.017938	-0.008377	-0.019577	0.04006	-0.016066	0.061412	-0.00817	-0.001548	-0.012846	-0.016054
69	0.01864	-0.003418	0.015641	-0.006395	0.006967	0.013215	-0.012996	0.057452	-0.020528	0.024913	0.018691	0.021706	0.006478	-0.013807
70	-0.003585	0.034113	-0.01054	-0.00386	-0.002255	0.020836	-0.002844	0.028268	0.019643	0.037073	-0.004172	-0.001028	0.02382	0.00245
71	0.020314	-0.025298	0.005036	0.025311	-0.015136	-0.03001	0.008529	0.011566	-0.016243	-0.011773	0.017011	-0.012906	-0.009162	-0.009773
72	0.002085	-0.012196	-0.031567	0.021915	-0.000878	-0.003506	0.006855	0.017032	-0.018849	-0.008014	0.009401	0.013034	-0.008214	-0.012981
73	-0.001376	-0.044255	-0.01411	0.01735	-0.009134	0.006499	-0.015743	-0.004284	-0.02772	0.011383	-0.027798	0.021211	0.01254	0.005275
74	0.013215	0.026484	0.033276	0.051253	0.014372	0.002921	0.017782	0.001222	0.00817	0.03135	0.016642	-0.018636	0.012074	0.026871
75	0.013005	0.004585	0.008897	0.003776	-0.001273	0.004552	0.006642	0.003839	0.004881	0.003599	0.000794	0.008279	0.013038	0.004353
76	0.000579	-0.004193	0.060395	-0.021162	0.002042	0.007146	0.007241	-0.019123	0.00599	0.031508	0.008187	-0.042942	0.000958	0.023573
77	0.01556	0.010627	0.000279	0.003917	-0.005583	0.002145	0.002328	0.013924	0.004457	0.004295	0.002215	0.004105	0.007604	0.001889
78	0.023812	0.02049	-0.002577	0.015792	-0.008136	-0.005497	0.000425	0.008605	0.010311	0.014806	0.007037	0.017671	0.015369	0.010046
79	-0.01245	-0.029894	0.043445	0.016863	0.002688	0.019179	0.000277	0.013747	-0.005107	0.007754	-0.005621	-0.014224	0.01927	0.015341
80	0.005931	0.024531	-0.028956	0.009023	0.021738	0.00096	-0.009434	-0.012431	-0.003814	-0.010255	0.016771	-0.00086	0.044301	0.009547
81	-0.014136	0.009836	0.010305	-0.019538	0.002197	-0.002198	-0.005026	-0.012778	-0.004597	0.009021	-0.018838	0.0316	-0.021452	-0.002511
82	0.007463	-0.01686	-0.022981	-0.001371	0.004871	0.017089	0.011116	0.028122	0.0076	-0.016698	0.005633	0.002192	0.011487	-0.005047

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
83	0.016095	0.0087	-0.003529	0.004774	0.000889	0.003466	0.009146	0.026121	0.014167	0.007595	0.010544	0.009673	0.009269	-0.00691
84	0.011139	0.020948	-0.009558	-0.010258	0.00142	0.004709	0.011033	-0.015804	0.009333	-0.002028	0.006658	0.003066	0.007979	-0.018373
85	-0.035977	0.008091	0.03509	0.033754	-0.020644	-0.02351	0.000403	0.055065	-0.006664	-0.002207	-0.006142	0.003022	-0.033023	0.011311
86	0.021564	0.012753	0.001675	-0.005513	-0.025101	-0.024975	-0.004703	0.043191	-0.010487	0.01983	0.010142	-0.016549	-0.030867	-0.023691
87	0.027008	0.017844	0.009336	-0.043253	0.011442	-0.007617	-0.000562	0.008753	-0.024891	0.016497	0.010217	0.008738	0.015127	-0.000662
88	0.026598	0.0067	-0.025698	0.001569	0.000609	-0.001476	0.004254	0.015358	0.007309	-0.010277	0.008298	0.023845	0.013938	-0.003605
89	0.024188	0.005422	-0.006456	0.015253	-0.004844	-0.009655	0.000769	0.021178	0.005123	0.01558	0.01924	0.007408	0.009895	-0.006523
90	0.010763	0.00033	0.02693	0.002612	0.002554	0.001338	-0.002382	0.021133	-0.017516	0.02334	0.020326	0.001361	0.011497	-0.000974
91	0.011571	0.02007	-0.030869	0.010451	-0.001027	0.01786	0.00868	0.012208	-0.004186	-0.016832	0.002326	-0.029115	0.003912	-0.010362
92	-0.008249	0.010172	-0.007159	0.061085	0.003792	-0.004024	0.003207	0.016977	0.026148	-0.013451	-0.004372	-0.025661	0.008637	-0.002009
93	-0.014753	-0.007302	-0.013489	0.004093	-0.010088	0.0067	-0.002756	0.005808	-0.007334	-0.015816	-0.00087	-0.022057	0.002937	-0.006774
94	-0.008914	0.011905	-0.029791	0.019776	-0.003377	0.005956	0.018562	-0.011196	0.015426	0.013982	0.001548	-0.010967	0.01345	0.014976
95	-0.034717	0.005858	0.02885	0.031631	0.016331	0.039431	0.016187	0.000694	0.002945	0.047581	0.015864	0.043336	0.016305	0.002856
96	-0.030252	0.028231	0.043677	0.090435	-0.018466	-0.011296	0.002606	0.030081	0.01627	-0.044843	-0.011646	0.036553	-0.005981	0.001521
97	-0.021928	0.020048	0.001208	0.011145	0.000878	-0.030003	-0.004762	-0.018258	-0.01123	0.000018	-0.025612	0.012952	0.001395	0.006749
98	0.004643	-0.011405	0.006958	-0.014186	0.02117	0.011553	0.004209	-0.017829	-0.010887	0.005645	0.005463	-0.013366	0.007185	0.012901
99	-0.030259	0.008248	0.011802	0.04155	-0.010598	-0.030901	-0.007257	0.049528	-0.013562	-0.001481	-0.01925	-0.001069	-0.017042	-0.01527
100	-0.028544	0.00688	0.030833	0.013414	0.003803	-0.016692	0.006846	0.012331	0.00215	-0.007511	0.002897	0.019277	-0.003833	0.004225
101	0.011749	-0.005223	-0.000596	0.005632	0.004067	-0.001143	0.005443	-0.045139	-0.013735	0.015807	-0.009656	-0.027027	-0.00167	0.017105
102	-0.03289	0.077498	0.000393	0.010172	-0.010336	-0.006038	-0.007251	-0.024514	0.003583	-0.015955	-0.018233	0.072478	-0.01683	-0.036468
103	0.002255	0.038793	-0.034894	0.028803	-0.004314	-0.005108	0.008701	0.003694	0.004118	-0.043952	-0.010386	0.066259	-0.005136	-0.033153
104	-0.026711	0.034972	0.063638	0.012137	0.013483	0.016741	0.010802	-0.016018	-0.005798	0.001277	0.003955	0.027576	0.017761	0.00302
105	0.025605	-0.039956	-0.021899	-0.073932	-0.005169	-0.034656	-0.020763	0.012637	-0.000162	0.035187	-0.006072	0.049356	0.010071	-0.016034
106	0.015839	0.003639	-0.019614	-0.032691	-0.013803	-0.005291	-0.004005	-0.079096	0.004737	-0.056618	-0.016431	-0.013769	-0.003891	0.017548
107	-0.005411	-0.021814	-0.018778	0.020409	-0.014577	-0.040769	-0.002882	-0.004708	-0.010648	-0.014255	-0.007649	0.004678	-0.012678	0.029205
108	0.002532	0.007615	-0.005652	0.061953	0.001384	-0.007541	0.002519	-0.001965	0.00705	-0.002695	0.00598	-0.062587	0.003073	-0.020966
109	0.017987	0.0289	0.038112	0.058856	-0.003401	-0.008746	0.004223	-0.030671	0.001767	0.022381	-0.007245	0.081675	-0.007498	-0.013572
110	-0.03755	0.035381	-0.004042	0.088263	-0.002053	-0.024209	0.027565	0.021899	0.022621	-0.064332	0.002187	0.005321	-0.008376	-0.022672
111	-0.005526	-0.001863	0.054725	0.014215	0.017871	0.032264	-0.012717	-0.037934	-0.003189	0.027867	-0.007802	-0.016485	0.020245	-0.016944
112	-0.010192	0.060204	0.040951	0.001132	-0.010155	0.030652	-0.019785	-0.016603	-0.009092	-0.027468	0.008922	-0.016715	-0.011972	-0.017605
113	-0.012571	-0.043481	0.027246	0.065971	0.011058	0.018079	-0.01293	-0.020683	-0.006253	0.018197	-0.001103	0.003374	0.012383	0.039402
114	-0.007277	0.01509	0.015449	0.028952	0.004186	-0.005003	-0.011564	0.127605	0.00387	0.025575	0.024618	-0.025964	0.001288	0.046129
115	-0.038655	0.016615	0.001636	-0.011571	-0.022505	-0.002317	0.021054	0.019136	0.010095	0.021387	-0.022494	-0.086441	-0.023916	0.001298
116	0.024193	-0.013023	-0.030884	0.023049	0.000868	0.003156	-0.035266	-0.044948	-0.025517	-0.011394	-0.016922	0.02132	0.007736	-0.030289
117	-0.033429	0.001853	0.060187	-0.010808	0.015004	0.020337	0.017877	-0.028283	0.007288	-0.083017	-0.004873	0.01377	-0.003512	-0.035884
118	-0.042246	-0.000041	0.01646	0.033497	0.007217	-0.01908	0.011729	0.056544	-0.015276	0.00965	-0.006285	-0.076812	0.016044	0.011977
119	-0.009142	-0.004816	-0.031314	0.003433	-0.009333	-0.012495	-0.007615	-0.013827	-0.023242	-0.023579	0.00733	-0.008241	-0.002732	-0.001934
120	0.000724	-0.031049	-0.00058	-0.011604	-0.002707	0.005535	-0.013583	-0.048671	-0.010242	-0.039299	-0.012376	-0.019811	-0.002861	-0.012256
121	0.000112	0.032906	-0.010582	-0.038042	0.011531	0.023548	-0.014938	0.068236	0.016888	0.064557	0.012403	0.021626	0.016695	-0.041352
122	0.008183	0.017013	-0.025679	0.000036	0.009149	0.019453	0.004181	-0.004219	0.021771	0.019403	-0.019234	0.021931	0.003979	0.002094
123	-0.001363	-0.017342	-0.028595	0.005176	-0.01239	-0.003863	-0.008372	0.013086	-0.000528	0.015503	-0.003427	0.008011	-0.010405	-0.00078

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
124	-0.013924	0.015194	-0.007991	0.003786	-0.000454	-0.010552	-0.007528	-0.034534	-0.015581	-0.020646	0.007559	-0.010013	0.003029	0.004336
125	-0.013293	-0.017253	0.034841	-0.000539	0.005144	-0.001391	-0.002072	-0.004156	-0.023897	-0.024456	0.010132	-0.056363	-0.01766	-0.003422
126	0.005979	-0.010572	-0.012468	0.001883	0.026029	0.004645	0.006312	0.038459	0.01306	0.019841	0.022041	0.003967	0.029007	-0.009954
127	0.002433	-0.010908	-0.00506	0.003444	0.015231	-0.001107	0.009235	0.028419	0.00327	0.007378	0.015396	-0.013757	0.015915	0.002371
128	-0.012418	0.008449	-0.002389	0.00374	0.00369	0.004888	0.015967	0.025585	0.013485	-0.028406	0.015755	0.002122	0.00338	0.000611
129	0.007742	0.021165	0.047588	0.005218	-0.020655	-0.033272	-0.020663	0.034006	0.002301	-0.037556	0.006058	0.038866	0.003048	0.002804
130	0.015012	0.037069	0.007804	0.00331	-0.029193	0.0005	0.017935	0.004945	0.029206	0.029557	-0.004912	-0.025973	-0.006128	0.005717
131	-0.002634	-0.048459	-0.057888	-0.025255	0.015412	-0.018475	-0.004096	0.016055	-0.019716	-0.017146	-0.008483	0.051468	0.039416	0.021384
132	0.006584	-0.011052	0.019003	0.011615	0.013249	0.011102	0.013033	0.02399	0.00475	-0.036557	0.025332	0.001538	0.003564	-0.020061
133	-0.039284	-0.008254	0.028284	-0.019513	0.007599	-0.00893	0.033908	-0.015858	-0.023954	-0.029468	-0.006861	0.018178	0.010827	0.014606
134	0.00672	0.038793	-0.072027	-0.003273	0.004807	0.058266	-0.014111	0.018474	0.009352	0.047045	0.017204	0.03198	0.02171	-0.006466
135	0.017762	0.004235	0.010115	0.009626	-0.008603	0.001307	-0.004489	-0.043245	-0.008195	-0.022338	0.009798	-0.005391	0.004719	0.017821
136	-0.003226	-0.018602	-0.002438	-0.006126	-0.00872	-0.005475	-0.004093	0.016903	-0.021095	-0.019442	-0.017346	-0.023309	-0.005636	0.002268
137	0.011275	-0.012005	-0.003714	-0.010856	0.006029	0.000419	0.00132	-0.023189	-0.005803	0.011655	0.014219	-0.01615	0.00245	0.039465
138	0.060985	-0.007452	0.012742	0.062213	0.006987	-0.022601	0.004263	0.029132	0.021283	0.018004	0.005708	-0.041074	0.001428	-0.030911
139	-0.021144	-0.06111	-0.072194	0.03992	-0.018995	0.004225	-0.031852	-0.046458	0.008669	-0.008199	-0.01332	0.018888	-0.00578	-0.033614
140	0.046104	0.01614	-0.035506	-0.094583	-0.003672	0.028229	0.003481	0.02172	-0.017684	-0.036076	-0.009062	-0.037515	-0.027814	-0.044829
141	0.012358	0.008924	-0.044594	0.014629	-0.025081	-0.029371	0.003265	0.011407	0.031595	-0.010311	0.00579	0.011793	-0.025308	-0.042946
142	0.003583	0.026244	0.031396	0.007745	-0.005373	0.001867	-0.003901	-0.021326	0.018185	0.042367	-0.005247	0.025581	-0.009815	-0.002621
143	0.002508	0.014484	-0.013057	-0.013086	-0.00171	0.025016	0.002941	-0.043329	0.011787	0.022371	-0.018482	0.031578	-0.004723	0.022443
144	0.023855	-0.013043	-0.058802	0.000168	-0.02037	-0.004675	-0.023101	-0.035332	-0.017102	0.003888	-0.008802	0.036183	-0.011258	-0.000773
145	-0.013549	-0.023398	-0.007794	-0.004846	0.012392	0.039233	-0.001369	0.004005	-0.035238	0.001281	-0.016013	0.009024	0.015647	0.034671
146	0.001635	-0.014717	0.005414	-0.024108	0.005494	0.009152	-0.012397	-0.029345	-0.018968	-0.047996	0.011309	-0.007615	0.004438	-0.00194
147	-0.015417	-0.070601	0.012591	-0.013795	0.005171	-0.007257	0.000462	-0.040938	0.017841	-0.017898	0.022898	0.027366	0.012991	0.012618
148	0.008676	-0.017583	0.03531	0.012364	-0.014097	-0.020331	-0.004484	-0.031988	-0.005028	-0.038934	-0.024022	-0.034245	-0.008498	0.043816
149	0.001127	0.006224	-0.024236	-0.00579	-0.003151	0.02516	0.009328	0.024092	0.016615	0.032014	-0.016183	0.022458	0.001314	0.020621
150	-0.003297	0.003273	0.033202	0.014499	0.007397	0.004769	-0.021799	-0.016873	-0.019364	-0.038229	0.001403	-0.064384	0.008344	0.005109
151	-0.02931	-0.043936	-0.085421	0.037128	-0.021298	-0.005323	-0.001599	-0.015275	0.021717	-0.035736	-0.011392	0.039073	0.008354	0.025521
152	0.01124	-0.000629	-0.016455	0.013527	-0.009817	0.003582	-0.010601	0.049076	0.001301	0.016393	0.00825	-0.022479	-0.009734	-0.007556
153	-0.018253	0.009488	-0.02698	0.031309	-0.02452	-0.036856	-0.009875	0.00714	0.0071	-0.010965	0.00552	0.008991	-0.029502	-0.041192
154	0.005266	0.014142	-0.006784	-0.027639	0.001625	0.017865	-0.006265	-0.066728	-0.005467	0.014267	-0.008611	0.024874	0.014832	-0.003632
155	0.030855	0.015135	0.017913	-0.055302	0.011685	0.016331	-0.028589	0.027331	-0.034753	0.023063	0.009935	-0.029776	0.013111	-0.022183
156	-0.014401	0.016089	-0.030675	0.015957	-0.009784	-0.008137	0.016587	-0.037618	0.006953	0.019503	-0.004887	0.025286	0.009522	0.000169
157	-0.002455	-0.000444	0.04358	-0.01074	0.007277	0.010193	0.000935	-0.038523	-0.008859	-0.053489	-0.002167	-0.017967	-0.007949	-0.012409
158	-0.009998	0.039904	-0.010949	-0.014549	-0.010332	-0.041815	0.005861	-0.053981	0.009888	0.049036	0.006099	-0.051184	-0.003582	-0.015885
159	0.008395	0.003747	0.026027	0.031409	-0.003578	0.001317	-0.027881	-0.019483	-0.008053	-0.029845	-0.002335	0.008644	0.016336	0.004497
160	-0.059515	0.012731	0.02387	0.028586	-0.014768	-0.016586	0.036923	-0.067732	0.034731	0.017505	0.001969	-0.026528	-0.006211	0.049587
161	0.009514	-0.018082	0.031488	0.033245	-0.020065	-0.011216	-0.019884	-0.006304	0.019276	0.04351	0.017937	0.023094	-0.016423	0.011183
162	0.014579	-0.005746	-0.043534	-0.031796	0.005622	0.031223	-0.003536	-0.057012	-0.011041	-0.027621	-0.008192	-0.012639	0.003263	-0.012139
163	-0.002587	0.0218	0.038268	-0.011665	0.006985	0.019548	0.011021	-0.026308	0.013945	0.036373	0.011688	-0.014178	0.001532	0.026822
164	-0.016385	-0.02322	-0.024722	-0.014415	0.002536	-0.017824	0.008179	0.008966	-0.019827	-0.03604	-0.019521	0.02149	0.003369	0.000758

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
165	-0.022452	-0.030471	0.026969	-0.069577	-0.001577	0.018759	-0.018423	0.026717	0.003583	0.02719	-0.004803	-0.037512	-0.000662	0.004622
166	0.05406	0.025189	0.013255	0.051491	-0.007818	-0.017051	0.009065	-0.071984	0.019542	-0.057378	-0.004259	0.031694	-0.004522	-0.022993
167	0.012558	-0.041648	-0.02093	0.000038	0.020351	0.027843	-0.002439	0.021386	-0.02162	0.045807	0.014423	-0.009315	0.009062	-0.009379
168	-0.032757	-0.017148	-0.049616	-0.012935	-0.006686	-0.042549	0.020484	0.038197	0.015035	0.012684	-0.005767	-0.005586	-0.011871	0.03339
169	0.021186	-0.018261	-0.000037	-0.003244	-0.002294	-0.016299	0.002928	-0.030289	-0.006473	-0.026101	0.00153	-0.023095	-0.000456	0.013976
170	0.008873	-0.002958	-0.011063	-0.011535	-0.015713	-0.023918	0.004527	-0.019545	-0.00518	-0.037985	-0.00514	-0.045043	-0.010667	0.01329
171	0.023889	-0.020281	-0.024762	0.00614	-0.011812	-0.025396	-0.005897	0.043967	0.011888	0.009237	0.014072	-0.020797	-0.00595	-0.009255
172	-0.011093	-0.01241	-0.027544	0.010279	-0.002155	-0.01098	-0.012614	-0.018741	-0.004677	-0.035471	0.010259	-0.016095	-0.002851	0.007592
173	-0.016804	-0.012582	0.003921	-0.00358	-0.000447	0.015516	-0.007105	0.003922	-0.007229	-0.002893	-0.001286	-0.008161	-0.015412	0.001441
174	0.010481	-0.004768	-0.015314	-0.000165	0.006778	0.028386	0.000934	-0.021818	0.008258	0.029338	0.01016	-0.01478	0.000806	0.028844
175	-0.001735	-0.021616	0.002511	-0.008516	0.002578	0.041899	-0.029556	-0.014276	0.015096	0.010524	-0.002561	-0.034604	0.001482	0.030025
176	-0.010087	-0.03351	0.016843	0.049341	-0.008555	-0.021194	0.008957	0.004781	0.011426	-0.021161	-0.006875	-0.025377	-0.017852	-0.005956
177	-0.00675	-0.005909	-0.035198	-0.041539	0.002231	-0.01718	0.008161	-0.060379	-0.018163	0.016738	0.01252	-0.015071	0.033385	-0.012729
178	0.00216	-0.03078	-0.007357	-0.040033	0.016259	-0.002751	-0.005743	-0.033251	-0.008602	-0.012138	0.014299	-0.01195	0.007184	0.007893
179	0.015004	-0.015364	0.001029	-0.015528	0.014158	-0.01207	0.00078	0.015859	-0.008684	0.016546	0.005358	-0.020755	0.000892	-0.004242
180	0.015741	-0.011683	-0.009297	0.001969	0.005855	-0.012658	0.002212	0.004553	-0.005058	-0.000062	0.001806	-0.018825	-0.006405	-0.006317
181	0.006003	-0.008606	-0.000672	-0.004755	0.012513	-0.002349	0.004174	-0.004733	-0.008298	-0.003334	0.004172	-0.017749	-0.004295	-0.008644
182	-0.015214	0.005179	-0.001063	0.002825	-0.003205	-0.023133	0.000757	0.021571	-0.005021	-0.003604	-0.005743	-0.022527	-0.011916	-0.014337
183	0.001551	-0.001988	0.006795	0.003479	0.007278	-0.02508	-0.010631	0.065175	-0.001689	0.03142	0.01837	-0.001079	0.006558	-0.023334
184	0.030052	0.004461	0.019885	0.036812	-0.000715	0.009924	-0.008148	0.045501	0.015694	0.043379	0.029316	0.009154	-0.002272	0.011463
185	-0.003661	0.028625	0.015287	0.074476	-0.000465	0.004788	-0.004239	-0.0125	0.010718	-0.033516	-0.009237	0.008756	-0.019318	-0.012585
186	-0.008882	0.021865	-0.009695	0.008514	-0.006022	0.01533	-0.003814	0.028927	0.021534	-0.037597	-0.000818	0.036057	-0.006853	0.002149
187	-0.008403	0.026873	0.000549	-0.013817	0.006641	-0.000379	0.001782	-0.003398	-0.004613	-0.004336	-0.001286	0.00858	-0.001798	0.001892
188	0.004413	0.02945	-0.023802	-0.000066	-0.002615	-0.006078	-0.000777	-0.021265	0.002989	0.005533	-0.002755	-0.0017	-0.006031	0.002328
189	0.007079	0.032535	0.013756	0.018925	-0.004837	-0.00725	-0.006918	-0.027729	0.019825	0.040241	-0.008161	-0.020911	-0.007083	0.000575
190	0.002388	-0.036855	-0.028582	0.017769	-0.011429	-0.001616	-0.00081	0.011001	0.000618	0.001948	-0.010556	-0.013398	-0.012099	-0.004281
191	0.00995	-0.000751	-0.004719	-0.022931	-0.006663	-0.001852	0.008359	-0.0165	-0.003453	-0.005259	-0.008916	0.004301	-0.005749	-0.010137
192	0.000483	0.025342	-0.060023	-0.059645	0.030355	0.022911	-0.004387	0.025661	-0.005268	0.009132	0.011774	0.050073	0.030018	-0.003334
193	-0.016756	-0.013419	-0.035896	-0.001333	-0.003297	-0.004125	-0.004343	0.006877	0.00199	-0.021968	0.006397	0.045511	-0.015198	0.008308
194	0.017915	-0.028486	-0.045738	0.00028	-0.012262	-0.036744	-0.008135	0.005631	0.003603	-0.017381	-0.011684	-0.008991	-0.020696	-0.020632
195	-0.00705	0.009959	0.030555	0.003702	0.015724	0.028121	-0.004406	0.009135	-0.009208	0.011626	0.003007	-0.002014	0.009253	0.014384
196	0.00604	0.009897	-0.005557	0.001968	0.011248	0.046029	-0.009725	-0.008714	-0.002854	0.010279	-0.005354	-0.003042	0.005635	0.013942
197	-0.021238	-0.007009	-0.0231	-0.005058	-0.007245	0.023599	0.007646	0.028445	-0.005858	-0.002222	-0.013383	0.004183	-0.000615	0.004307
198	-0.020963	0.024136	0.029858	-0.029261	0.003726	-0.008505	-0.008198	0.001048	-0.000972	-0.021891	0.016919	-0.054567	0.010746	0.000499
199	0.086634	-0.036375	-0.01033	-0.03655	0.008503	-0.016361	0.022038	-0.001714	0.058622	0.092073	-0.003519	0.041982	0.010068	0.044378
200	-0.009557	0.004243	-0.021595	-0.011994	0.011354	-0.034797	-0.00421	0.023255	-0.00595	-0.016364	0.042179	0.009231	0.019747	-0.003003
201	-0.007984	-0.021333	-0.004426	0.025966	-0.004016	-0.045833	0.001103	-0.003362	-0.017018	-0.030673	-0.023804	-0.005809	-0.006671	-0.0223
202	-0.026876	0.00874	-0.026652	-0.041192	-0.00002	0.011306	-0.003836	0.007247	0.00432	-0.053328	0.009252	-0.010489	0.015938	0.022295
203	-0.008888	-0.064106	-0.02047	-0.071343	-0.000508	-0.021631	0.001129	0.014316	0.004306	0.031933	-0.000454	0.001609	0.025304	-0.00096
204	-0.01292	-0.049449	0.011311	0.057543	0.019553	0.038837	-0.014038	-0.011511	-0.014919	-0.113085	-0.004986	0.008573	-0.001629	-0.0074
205	0.035934	-0.0263	-0.042915	0.060171	-0.00939	0.002972	0.011814	0.017233	0.0097	-0.021608	-0.003655	-0.023813	-0.040145	-0.062302

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
206	-0.052787	-0.011387	-0.031285	0.041267	0.003949	-0.011738	0.01014	0.040655	-0.002281	0.01506	0.023999	-0.035232	-0.000751	0.020503
207	-0.074125	0.017457	0.00363	0.000285	0.035641	0.045425	-0.001791	-0.013112	0.012658	-0.004899	0.016134	-0.032271	0.024208	0.019403
208	-0.02119	0.011484	0.027224	0.062403	-0.0213	-0.017023	0.023553	0.040504	-0.004852	-0.044412	0.006813	-0.028187	0.011686	-0.020252
209	0.031557	0.005924	-0.008417	0.033162	0.001201	0.001436	0.009355	0.018985	0.02875	-0.041724	0.011506	0.034892	0.018068	-0.008889
210	0.036742	0.006648	0.072741	0.021305	0.023067	0.007133	-0.010737	0.05486	-0.010932	-0.035256	0.017532	0.074164	0.0349	-0.004964
211	0.03935	0.058038	-0.050456	0.020715	0.006531	-0.001099	-0.006773	0.006719	-0.02377	-0.080509	-0.009651	0.017046	0.000621	-0.00612
212	0.000835	0.044891	0.021149	0.018117	-0.000738	0.002718	-0.004701	-0.042732	-0.029658	0.001129	-0.001427	0.007158	-0.007296	0.014291
213	0.003118	0.004655	0.014229	-0.029848	-0.009916	-0.025557	-0.018	-0.012537	-0.02774	0.010975	-0.018016	0.017048	-0.034827	-0.019106
214	0.011808	0.015921	0.01473	0.000943	0.012183	-0.007658	-0.000141	0.008335	-0.001283	-0.000011	0.013727	-0.007607	0.006542	0.000361
215	0.008295	-0.02163	0.060512	0.071105	0.004773	-0.026668	0.006737	-0.032577	-0.012514	-0.032867	0.012896	0.006941	0.004534	0.036588
216	0.006469	-0.004023	-0.022957	0.006291	-0.007073	-0.009377	0.009872	0.003555	0.010348	0.017053	-0.005021	-0.014158	0.005552	0.023243
217	0.015724	-0.023585	0.003101	0.007502	-0.000182	-0.02173	0.005167	0.034507	0.001397	-0.032819	0.00086	-0.01361	0.008403	0.007961
218	0.008249	-0.010744	0.014466	0.025412	-0.008119	0.012778	-0.004235	-0.016416	-0.00897	-0.038837	-0.007116	0.003044	-0.004631	0.016713
219	0.004749	0.009855	0.039235	-0.007833	-0.009718	0.013064	-0.00631	-0.013848	-0.00392	0.014382	0.001304	-0.000495	0.004472	0.012343
220	0.014185	-0.006545	0.025018	-0.003613	0.008365	-0.011961	0.010947	-0.02301	-0.009882	-0.006176	0.006816	-0.021979	0.012064	0.004511
221	-0.027197	-0.001819	0.023797	-0.003639	0.012834	0.028766	0.000479	0.004566	-0.006109	0.00949	0.000029	-0.018157	0.00812	-0.014688
222	0.00448	0.009961	0.007584	-0.025046	0.004964	0.019324	-0.00589	-0.010201	-0.009586	0.02682	0.002125	0.00637	0.006454	-0.012307
223	-0.008573	-0.006278	-0.001761	-0.008488	-0.003438	0.007269	-0.004592	-0.008847	-0.003632	-0.000083	-0.009384	0.01407	-0.016804	-0.028002
224	0.010222	-0.011737	-0.024519	0.025679	0.007662	-0.013871	0.005539	-0.003512	0.003315	0.014801	-0.002018	-0.029774	0.019745	0.016775
225	0.009593	-0.011091	-0.025513	0.001067	0.008969	-0.016257	0.001788	-0.00609	-0.003689	0.033477	-0.004562	-0.03223	0.025262	0.010966
226	-0.016319	0.023246	0.016405	-0.012777	-0.01186	0.008547	-0.01698	-0.020976	-0.005408	0.034382	-0.014562	0.038917	-0.004817	-0.014334
227	-0.009708	-0.03034	-0.005259	0.017385	-0.013565	-0.030551	-0.014455	-0.005584	-0.019966	0.038113	-0.011759	-0.013483	-0.005472	-0.001856
228	-0.025342	0.036243	-0.0379	-0.03377	-0.008215	0.014482	-0.00586	-0.00263	0.014389	0.000858	-0.007147	-0.01705	0.001457	0.005442
229	-0.011911	0.02327	-0.003726	-0.030493	0.02835	0.024285	-0.001997	-0.053328	-0.007105	-0.003078	0.017805	0.023425	0.014873	0.016025
230	-0.001403	-0.000157	-0.04043	-0.004172	0.004049	-0.014978	-0.003605	-0.037635	0.001372	0.009008	0.014053	0.008929	-0.002564	0.012996
231	-0.009583	-0.013264	-0.031041	0.045267	-0.022351	-0.011084	0.003622	-0.004328	0.015203	-0.002064	-0.014843	0.038164	-0.025043	-0.012237
232	0.00806	0.045939	-0.012717	-0.03092	0.014334	0.026368	0.004967	-0.039646	0.024218	0.013774	0.006239	-0.01536	0.011216	0.000585
233	0.015706	0.031386	0.001786	-0.043158	0.020925	0.007968	-0.005719	-0.026127	0.000776	0.001995	0.006164	0.01124	0.01777	0.003936
234	-0.014605	0.019125	0.003575	-0.030273	-0.003046	0.013037	0.001303	-0.004039	-0.008964	0.020805	-0.000193	-0.017101	-0.004757	0.008773
235	0.003449	0.000891	-0.019353	-0.009129	-0.007036	-0.003788	-0.001462	-0.039181	-0.003389	-0.001319	-0.002593	-0.000073	-0.012919	0.001162
236	0.011377	-0.004804	-0.004745	0.037034	-0.009153	-0.005899	-0.002924	0.026996	0.017067	-0.000492	0.003656	0.004972	-0.015422	-0.018694
237	0.011344	-0.029758	-0.021089	0.006297	-0.00658	0.010115	0.001964	0.008923	-0.002129	-0.017395	-0.012076	-0.015956	0.002553	-0.018095
238	0.014203	-0.00343	-0.016016	-0.013258	-0.003776	0.015676	0.006448	0.014005	0.005738	0.016213	0.005184	-0.001704	0.008267	0.008867
239	0.003883	0.008346	0.008758	-0.015309	0.000855	0.023597	0.004835	0.014851	0.013792	0.014654	0.010375	0.016586	0.006478	0.02015
240	0.028421	-0.019197	-0.013136	-0.001827	0.012978	0.022416	0.002779	0.008893	0.010463	-0.009882	0.000624	0.026365	0.009118	0.003036
241	0.03628	0.018722	-0.013525	-0.013771	0.022112	0.023333	-0.009824	-0.009906	-0.001991	-0.018476	0.000352	0.029377	0.024237	0.012426
242	0.005907	-0.002888	-0.021463	-0.011458	-0.005133	-0.003453	-0.000016	-0.039236	0.005115	-0.004295	-0.007337	-0.018239	-0.009019	-0.008203
243	0.001172	-0.007876	-0.023431	-0.022801	-0.004595	-0.009843	-0.003683	-0.052722	0.002416	-0.01267	-0.01637	-0.047488	0.005589	0.016448
244	-0.007607	0.013446	-0.012709	0.004715	0.011774	-0.013579	0.012479	0.015623	0.011371	-0.011844	0.016451	-0.00789	0.012569	0.00219
245	0.026067	0.020653	-0.030433	0.019991	0.017296	-0.011434	0.019676	-0.005348	0.017653	-0.021125	0.0207	0.022161	0.007881	0.004151
246	-0.002015	-0.017887	0.037631	0.00224	0.003501	-0.005838	0.01186	-0.017036	-0.001351	0.008142	0.000752	-0.01186	-0.000892	-0.004329

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
247	0.008666	-0.025301	0.029681	0.003892	0.001548	-0.007009	0.001677	-0.001859	-0.001315	0.019655	0.000663	-0.008534	-0.001925	-0.000946
248	0.019969	-0.003619	0.011958	0.000789	0.004281	0.007614	-0.004438	-0.008397	-0.005257	0.013778	0.010195	-0.001977	0.001071	-0.012945
249	0.021798	-0.015815	-0.02266	-0.009739	0.002213	0.002564	-0.004676	0.007994	0.006063	-0.02544	0.012746	0.011667	0.006907	0.002075
250	0.004552	-0.018077	0.01138	0.002176	0.00571	0.007702	-0.001936	0.028929	0.003094	-0.007093	0.001259	0.009587	-0.005048	-0.020264
251	0.013391	0.003166	-0.003902	-0.013199	0.012695	0.024053	-0.003552	0.001378	0.001307	0.001092	0.004289	0.030564	0.011348	-0.018451
252	0.02123	0.008405	-0.031576	-0.028662	0.019088	0.01829	-0.011627	-0.014289	-0.002612	-0.022984	0.006589	0.030068	0.005754	-0.000139
253	0.009333	0.005573	-0.058282	-0.016715	-0.002039	-0.015215	-0.015007	-0.022099	0.001641	-0.004328	-0.005587	-0.022954	0.006806	0.000633
254	-0.012284	0.004797	0.013383	0.010435	-0.000897	-0.008916	0.003364	0.007473	0.001213	-0.028075	-0.001093	-0.003065	-0.013581	-0.003162
255	-0.020153	0.000402	0.018166	-0.000096	0.004571	-0.01381	0.01424	-0.009844	0.001175	-0.011568	0.004705	-0.020177	0.000763	0.006565
256	-0.007698	-0.000016	0.014145	0.00815	0.011696	0.002047	0.024976	-0.02504	-0.003274	-0.00057	0.015382	-0.01977	0.003639	0.045227
257	-0.026508	-0.003907	0.005703	-0.019311	-0.000466	-0.003886	-0.000523	0.017639	-0.016838	0.032967	-0.004931	-0.023952	-0.017147	-0.006535
258	0.018809	-0.014202	-0.027553	0.01126	-0.005184	-0.019853	-0.002251	0.001082	-0.014161	0.010588	-0.024712	0.010372	-0.001244	0.007518
259	0.009822	-0.003371	-0.006841	-0.010382	0.001214	0.003913	-0.015404	0.021955	-0.004624	-0.003037	0.007854	0.010551	0.000549	-0.024355
260	0.011855	-0.00437	0.006795	-0.032778	0.009558	0.004928	-0.024817	0.030678	-0.004874	-0.002946	0.008471	-0.008573	-0.009826	-0.032218
261	-0.000803	-0.020795	-0.00018	0.001675	0.005829	0.028526	-0.011119	0.024829	-0.005527	0.022079	-0.00534	0.018961	0.000431	-0.00297
262	-0.003237	-0.013649	-0.014723	0.004262	0.003677	0.011661	-0.001482	-0.007314	0.013376	0.007317	0.009495	0.002789	-0.004599	0.008187
263	-0.006774	-0.002084	-0.026557	-0.017037	-0.001127	-0.004035	-0.009173	0.000612	0.004141	-0.003408	0.010641	-0.001023	-0.007706	-0.004919
264	0.002209	-0.015361	0.013996	0.020911	0.003566	-0.007558	-0.004127	0.023179	-0.007418	-0.001708	0.006902	0.001224	0.006399	0.012732
265	-0.01219	-0.016672	0.049651	0.024721	-0.002198	-0.015988	-0.002432	0.029619	-0.00197	0.002171	-0.007814	-0.002996	-0.007579	0.027338
266	-0.01755	0.010344	0.031052	0.022976	-0.001345	-0.00188	0.006486	0.019273	-0.000398	-0.008577	-0.019609	-0.001158	-0.006428	0.007038
267	-0.005724	0.013173	0.016105	0.020163	-0.008566	-0.016032	0.006228	-0.002823	0.017627	0.020424	0.011323	-0.008821	0.005532	0.027306
268	-0.009773	0.01934	0.027178	-0.013302	-0.00947	0.004403	-0.021764	-0.004513	-0.000649	0.033393	-0.010258	0.028945	0.000586	-0.002716
269	-0.009822	0.027214	0.022106	-0.00836	-0.014115	-0.002254	-0.020283	-0.021385	-0.008036	0.026019	-0.015114	0.006298	-0.006226	-0.011752
270	-0.015624	0.007518	0.008762	-0.012207	-0.018581	-0.013224	-0.020488	-0.007216	-0.010349	0.020887	-0.010728	-0.002535	-0.010888	-0.008113
271	-0.021751	0.03998	-0.019049	-0.017204	-0.003521	-0.015824	0.000338	0.033906	0.030124	-0.015409	0.001421	0.030072	0.000381	-0.023803
272	-0.01874	0.007913	-0.005917	-0.019213	0.019225	0.026263	-0.00384	-0.0366	0.001775	0.004208	0.015085	0.038529	0.012746	0.011502
273	0.002415	-0.007198	-0.009636	-0.024131	0.014661	0.014011	-0.030504	-0.025239	-0.00122	0.006998	0.018485	0.04147	0.00722	-0.0026
274	-0.001798	-0.005814	-0.014424	-0.022325	0.014039	0.009954	-0.029503	-0.028223	-0.004506	0.004812	0.014055	0.033513	0.005571	-0.005738
275	-0.010944	-0.033722	-0.030474	0.017366	-0.007775	-0.043478	-0.010922	-0.016194	-0.003172	-0.003928	0.024723	-0.021592	-0.011056	0.002175
276	0.016816	0.007302	-0.013194	0.02106	0.004424	0.022078	0.000651	0.016951	0.01725	0.008561	0.002507	0.018994	-0.004057	-0.00636
277	0.021402	-0.002018	-0.009643	0.02175	-0.001832	0.011075	0.00254	0.022052	0.011313	-0.018174	-0.000629	-0.008759	-0.003566	0.003112
278	0.010679	0.004958	-0.022793	0.031535	-0.006027	0.003306	0.002871	0.01459	0.011454	-0.035837	0.004226	-0.012991	-0.010318	-0.009919
279	0.004219	0.023073	0.003561	-0.023926	0.003168	0.033951	0.006932	0.020894	0.015671	0.004289	0.012464	-0.000752	0.00384	0.016472
280	0.005624	0.024202	-0.039187	-0.015468	-0.002977	-0.016946	-0.003168	-0.038442	0.01106	-0.005694	-0.019546	-0.047371	0.02024	0.025532
281	0.005544	0.003964	0.000829	0.018659	0.001112	-0.020629	0.011946	-0.031877	0.003392	-0.022056	-0.010605	0.040378	0.006013	-0.002332
282	0.004768	0.022173	-0.017359	0.01659	-0.001551	-0.03109	0.01336	-0.024923	0.004071	-0.032538	-0.009092	0.026383	-0.002889	-0.003052
283	0.004728	-0.000205	0.010992	0.010469	0.000516	0.005532	-0.00235	-0.004038	0.0026	-0.002503	0.005832	0.014038	-0.007363	-0.008396
284	-0.024071	-0.002322	-0.002472	-0.011454	-0.001833	-0.002158	-0.002542	0.016454	-0.014161	0.020084	-0.003041	-0.010895	-0.012771	0.002115
285	-0.027987	0.0106	-0.004085	-0.014816	-0.005082	-0.007634	-0.001767	0.020997	-0.012025	0.010785	-0.000741	-0.020349	-0.018702	-0.002651
286	-0.001561	0.014404	-0.039706	-0.00495	-0.000593	-0.025329	0.007087	-0.000626	-0.025979	-0.009734	-0.030833	0.018929	0.003167	0.016838
287	-0.001894	0.024346	-0.045043	-0.009119	-0.007018	-0.02802	0.003806	-0.011751	-0.020895	-0.019784	-0.027917	0.009126	-0.002805	0.012676

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
288	0.01991	-0.005061	-0.030235	0.005833	-0.00292	0.003225	-0.00033	-0.019191	-0.006615	0.013556	-0.017721	0.018308	0.004808	0.004138
289	-0.010313	-0.007381	0.007127	-0.010527	0.00293	-0.004249	0.003235	-0.009121	0.01081	-0.002281	0.009267	-0.012731	-0.001173	0.013972
290	0.012241	-0.042875	-0.02387	0.004055	-0.00048	-0.005869	-0.006545	-0.020445	0.004817	0.012958	0.008998	0.002562	0.010703	0.009016
291	0.011754	-0.043789	-0.02255	0.008796	-0.000003	-0.005251	-0.003584	-0.016614	0.004974	0.009058	0.007611	-0.000771	0.009529	0.009579
292	0.006373	-0.038778	-0.019085	-0.001299	0.005213	0.007618	0.001275	-0.024621	0.00361	0.007782	0.004237	0.005219	0.011917	0.013173
293	-0.071127	-0.072566	0.029158	0.012582	-0.014407	0.01215	-0.029806	0.01824	-0.013166	0.002152	-0.014616	-0.00181	-0.015559	-0.023939
294	-0.02136	-0.027777	0.012341	0.017969	-0.022783	-0.011468	-0.027614	-0.009764	-0.009141	-0.019879	-0.011234	0.00744	-0.018447	-0.017669
295	-0.034438	-0.044802	-0.003766	-0.011315	-0.004323	0.009885	-0.027243	-0.011008	-0.002581	-0.001742	0.002564	-0.004774	-0.017498	-0.023963
296	-0.003844	-0.042346	-0.01058	-0.038071	-0.015038	-0.029067	-0.029961	-0.038793	-0.00891	0.016387	-0.003593	-0.014087	-0.018288	-0.020281
297	-0.023594	-0.036177	-0.009958	-0.002403	-0.004705	0.020564	-0.025139	-0.036329	-0.005527	-0.011842	-0.011321	0.008113	-0.010447	-0.021883
298	-0.002865	0.017762	0.010013	-0.010035	-0.009393	-0.030019	-0.01868	0.00766	-0.008346	-0.027318	-0.004492	-0.031419	-0.020205	-0.03579
299	-0.021444	-0.016068	-0.006129	0.008961	-0.013864	0.007258	-0.022083	-0.005976	0.004878	0.011289	-0.026742	0.026559	0.001324	-0.024842
300	-0.012733	0.006819	-0.051687	0.013406	0.000589	0.030676	-0.012359	0.0064	0.000855	-0.016011	-0.011676	-0.023473	-0.016889	0.010867
301	-0.043738	-0.025305	0.02181	0.00149	-0.017698	0.000303	-0.0212	0.016525	-0.000713	0.028519	0.000886	-0.029469	-0.018331	-0.02283
302	-0.027221	-0.009552	0.01944	0.012888	-0.021431	-0.019782	-0.012518	0.010336	0.004543	0.023901	0.002864	-0.02768	-0.009559	-0.007361
303	-0.004946	0.011468	-0.020053	0.010044	-0.010334	-0.011679	-0.003967	-0.017605	-0.003015	-0.004113	-0.036713	-0.00885	0.00526	-0.00634
304	0.002741	0.004625	-0.036269	0.002294	-0.014478	-0.001164	-0.01744	-0.021668	-0.004385	0.008138	-0.026979	0.017326	0.014964	-0.018571
305	0.847033	-0.017568	0.044071	0.018189	-0.004636	0.005303	-0.006641	0.013337	-0.002574	-0.012405	-0.004669	-0.015131	0.005905	0.006282
306	-0.027927	0.768399	-0.032886	0.037176	0.001186	-0.012381	-0.026937	0.024928	-0.024309	-0.003476	-0.009819	-0.006086	-0.003191	0.003555
307	0.041299	-0.0482	0.689096	-0.054153	-0.004517	-0.02735	-0.02354	-0.010324	-0.001571	-0.079445	-0.031123	0.031616	-0.012183	-0.048596
308	-0.011175	-0.014868	-0.076236	0.678507	0.02894	0.044952	-0.02102	-0.086902	-0.022801	0.058075	-0.006589	-0.006956	0.030856	0.008786
309	-0.013548	-0.001441	-0.002525	0.033597	0.933879	-0.065368	-0.025947	0.006298	-0.011908	-0.018541	-0.033182	-0.030365	-0.053476	-0.031438
310	-0.003402	-0.030487	-0.008714	0.088838	-0.064256	0.82827	-0.010079	0.042113	-0.007844	-0.057713	-0.020137	-0.045801	-0.051842	-0.023604
311	-0.002917	-0.01584	-0.015625	-0.023082	-0.020861	-0.00295	0.93543	-0.000923	-0.034234	0.001593	-0.02169	0.000494	-0.021437	-0.036312
312	-0.00782	0.002398	-0.02079	-0.081216	0.00015	0.036174	-0.003843	0.670353	-0.017275	-0.055665	-0.034067	0.038145	0.009645	0.009173
313	-0.011068	-0.021276	0.019884	-0.024067	-0.015299	-0.009289	-0.034419	-0.020228	0.922271	-0.024937	-0.029037	-0.031005	-0.024478	-0.019127
314	-0.006533	0.000996	-0.044626	0.065392	-0.017129	-0.029544	-0.002946	-0.056307	-0.041634	0.651553	-0.034854	-0.011817	-0.041939	-0.056544
315	-0.009493	-0.004346	-0.021772	-0.001708	-0.038946	-0.030102	-0.022735	-0.030878	-0.030153	-0.032111	0.93158	-0.012843	-0.039051	-0.034807
316	-0.060651	-0.024635	0.062631	0.006048	-0.023207	-0.04721	0.002941	0.028189	-0.017492	-0.016242	0.000034	0.727245	-0.029129	0.003041
317	-0.013885	0.000087	0.013004	0.029154	-0.05408	-0.054159	-0.023904	0.01463	-0.023523	-0.034243	-0.032411	-0.045254	0.917843	-0.051629
318	0.009741	0.021061	-0.03868	-0.001374	-0.033917	-0.036093	-0.031413	0.033595	-0.018975	-0.03986	-0.029328	-0.007219	-0.053097	0.853822
319	0.012886	0.01206	-0.026819	0.025077	-0.046074	-0.045943	-0.02142	-0.008009	-0.021875	-0.018361	-0.05973	-0.024778	-0.054425	-0.043302
320	0.014338	-0.015196	0.033804	-0.010648	-0.01378	-0.008029	-0.034258	-0.013777	-0.035351	0.022519	-0.017149	-0.011123	-0.023131	-0.030962
321	0.03369	-0.027702	-0.059628	-0.008852	0.004764	0.011292	-0.023978	0.025709	-0.013176	-0.03138	-0.011322	0.028363	0.002752	-0.018173
322	-0.030749	0.032867	-0.012544	-0.028747	-0.02089	-0.053137	0.024441	-0.000764	0.048935	-0.053063	0.017876	-0.04137	-0.016465	-0.013644
323	0.014043	-0.009699	-0.000379	0.00434	0.010938	-0.002817	-0.012222	-0.02325	-0.021472	-0.041129	-0.012723	0.009911	0.001621	-0.01478
324	-0.035593	-0.014728	-0.004108	-0.026813	-0.008909	-0.00526	-0.010336	0.034355	0.01987	-0.006137	0.010212	-0.033374	0.020441	-0.011048
325	0.002495	-0.006032	0.019357	0.022833	-0.044392	-0.038832	-0.020702	-0.005177	-0.014554	0.022117	-0.031742	-0.031442	-0.037141	-0.005591
326	0.000495	0.001391	0.010583	-0.000513	-0.039009	-0.032543	-0.041757	-0.019641	-0.034642	0.009113	-0.020434	0.005547	-0.026791	-0.000659
327	-0.005424	0.010227	-0.003289	-0.00229	-0.01758	-0.017442	-0.022613	-0.003675	-0.011433	0.029519	-0.020091	-0.001562	-0.015786	-0.022262
328	-0.075127	-0.044278	0.026222	-0.045233	-0.004961	0.02839	-0.023363	-0.033275	-0.008974	-0.061714	-0.003139	-0.011689	0.002429	0.052873

	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG
329	-0.000875	0.027691	0.024939	-0.004303	-0.005486	-0.003556	-0.016649	-0.011595	-0.018523	0.016483	-0.019584	0.007043	-0.011817	-0.015487
330	-0.006779	0.025746	0.094618	0.086628	-0.005859	-0.025155	0.001564	0.020957	0.013852	-0.002323	0.024329	-0.019695	-0.01054	0.024213
331	-0.000927	-0.009368	-0.007008	-0.007156	-0.024979	-0.011153	-0.026117	-0.031448	-0.020516	-0.001013	-0.04383	0.001361	-0.013853	-0.009337
332	-0.000755	0.018819	-0.008186	0.018967	-0.0238	0.005539	-0.054988	0.03633	0.003165	0.046708	0.002227	-0.031614	-0.003435	0.000017
333	0.007631	-0.002228	-0.00028	0.005428	-0.042501	-0.025787	-0.02182	0.010585	-0.014075	0.020997	-0.029915	-0.03377	-0.040415	-0.030484
334	-0.016612	-0.006475	0.057789	0.00708	-0.017111	-0.005788	0.026544	-0.079881	-0.00743	0.003106	-0.016539	0.023048	-0.009676	0.017105
335	0.017704	0.002139	-0.015893	0.02925	-0.03352	-0.033344	-0.034143	-0.020925	-0.026237	-0.00051	-0.029709	-0.006593	-0.024815	-0.018042
336	-0.004858	-0.042257	-0.021783	0.011897	-0.043292	-0.036757	-0.016587	0.010665	0.000851	-0.014987	-0.013967	-0.004858	-0.034815	-0.009378
337	-0.03161	-0.056898	-0.015062	-0.034812	-0.012682	-0.02789	-0.00169	-0.029451	0.006088	0.001412	-0.014584	-0.046132	-0.010636	-0.016966
338	-0.009839	0.016269	-0.009232	-0.037937	0.007321	-0.03126	-0.017277	0.01704	0.008278	-0.003723	0.003354	0.024156	0.010696	-0.013426
339	-0.00768	-0.026289	-0.044652	-0.030657	-0.007624	0.030419	-0.026926	-0.039827	-0.017572	-0.011052	-0.017933	0.030941	-0.009756	-0.008691
340	-0.0585	-0.037623	0.008728	-0.018166	0.015845	-0.017747	0.015492	0.012247	0.010463	0.029022	-0.023562	-0.003157	0.028177	-0.042078

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
1	0.014383	0.014662	-0.053105	-0.054621	-0.015636	0.012251	0.024432	0.091832	0.009744	-0.038889	0.010281	-0.007567	0.00727	-0.013215
2	0.026883	-0.013328	-0.037785	-0.028171	-0.037482	0.066039	-0.007791	0.044705	-0.032866	0.117652	-0.044004	-0.039957	0.020014	0.027529
3	-0.061619	-0.014076	-0.016038	-0.020366	-0.085703	-0.05118	-0.056197	-0.082629	-0.088336	-0.008603	-0.108224	0.023068	-0.042153	0.021307
4	0.05476	-0.016685	0.039692	0.071184	0.100434	-0.035507	-0.053752	-0.000648	0.015924	-0.055631	0.029837	-0.022459	0.049342	-0.024747
5	0.022088	-0.019037	-0.022182	0.106586	0.013954	0.05605	-0.023423	-0.04382	0.026311	0.015309	0.03344	-0.004133	0.020258	0.055536
6	0.053026	0.024801	-0.01755	0.091925	-0.002956	-0.005413	0.040641	0.020121	-0.002014	0.036126	-0.004976	0.015995	0.020626	0.011226
7	0.100002	0.037085	0.020672	-0.069678	0.005308	-0.016699	0.046468	0.061672	0.038852	-0.082296	0.037602	0.014606	0.085158	0.014708
8	-0.00696	0.041184	0.053677	0.124349	-0.01604	0.11929	0.013694	0.010391	0.02955	0.020315	0.038537	-0.03803	0.036301	0.052974
9	0.021699	0.020409	-0.033591	-0.144044	-0.127267	0.081983	0.052489	0.045652	0.003652	-0.125532	0.010007	-0.007547	-0.005459	-0.005966
10	-0.044154	-0.022369	0.008438	-0.076951	0.016272	0.049334	-0.067269	-0.114056	-0.003857	-0.037403	-0.063895	-0.07569	-0.026492	-0.028324
11	-0.014269	0.049583	0.026665	0.001921	0.040408	0.140223	0.050511	-0.041107	0.061647	0.036753	0.012856	-0.006844	-0.019362	-0.05125
12	0.008777	0.00769	-0.028306	-0.06288	0.005706	0.026217	-0.035818	-0.00029	0.011898	0.028257	-0.028554	-0.028647	-0.019662	0.019687
13	0.022565	-0.003344	-0.011169	-0.090324	-0.083208	0.024512	-0.020358	-0.04144	-0.038715	-0.004806	-0.063963	-0.078115	-0.016332	-0.041033
14	0.012707	0.060898	0.045553	-0.004074	0.060385	0.020861	-0.021911	-0.061444	0.004798	0.045052	0.046803	-0.002374	-0.044166	-0.029947
15	-0.005144	-0.095715	-0.109902	0.199074	-0.020579	-0.023876	-0.020882	-0.051877	-0.031473	-0.030976	-0.034605	0.005309	-0.043128	-0.083597
16	0.037972	-0.027936	0.004881	-0.082915	0.003804	-0.036915	0.00103	0.051059	-0.003761	-0.031836	0.012382	0.037945	-0.001682	-0.018136
17	-0.105929	-0.14238	-0.052113	0.012685	-0.014156	0.114885	-0.06997	-0.010898	-0.054766	-0.011558	-0.025066	-0.040238	-0.05215	-0.00043
18	-0.062891	-0.012061	0.102929	0.063194	0.087348	-0.014573	-0.043419	-0.029586	0.03041	0.201845	0.070399	0.033009	0.017863	-0.022619
19	-0.012214	0.004143	-0.071345	-0.071255	-0.131678	0.045203	0.024074	-0.006982	-0.045817	-0.077475	-0.083489	-0.172991	-0.000013	-0.078147
20	-0.066931	-0.079162	-0.019868	-0.05676	-0.051601	-0.025275	-0.013498	0.000055	0.015529	-0.024066	0.039776	-0.022352	-0.035007	-0.076732
21	-0.005678	0.082048	0.001924	-0.056792	-0.012368	-0.057703	-0.039457	0.002638	0.022833	-0.001166	0.006282	0.03352	-0.018697	0.043462
22	-0.000494	-0.028113	0.148202	0.006461	0.021943	0.003986	-0.000249	-0.01658	-0.000622	-0.077844	0.037262	0.015604	0.020846	0.081972
23	0.030357	0.011658	-0.025619	0.001753	-0.053723	-0.004396	0.060908	0.055924	-0.022844	0.024177	-0.012793	-0.045973	0.012459	0.009529
24	0.094634	0.033736	-0.00168	-0.047371	0.038767	-0.057863	0.039362	-0.034014	0.049221	-0.027903	0.038569	0.121731	0.017669	-0.000806
25	-0.012212	0.00989	-0.041985	-0.043305	0.000205	0.038542	-0.004321	0.010087	0.012559	-0.103775	0.007299	0.013532	0.053975	-0.015531
26	-0.036322	0.08686	0.031617	0.068602	0.057468	-0.063725	-0.034408	-0.071314	0.009917	0.058133	-0.05576	0.002139	-0.039031	-0.012588
27	0.000652	-0.006355	-0.046671	0.206819	0.029937	0.106981	-0.012494	0.006378	0.033852	0.067535	0.013597	0.080773	0.053351	0.030462
28	-0.013329	0.012871	0.082652	-0.082385	-0.027931	-0.029763	0.002704	0.001617	0.002545	0.000745	-0.026827	-0.058014	0.036856	0.074671
29	0.012257	0.031108	-0.006951	-0.017672	0.00638	-0.010943	0.01927	-0.028879	0.013205	-0.012632	-0.022716	0.018792	-0.016272	-0.011315
30	0.044722	0.038202	0.00828	0.029864	-0.003294	-0.029102	-0.013292	-0.090228	0.011591	0.028294	0.009035	-0.074846	-0.030596	0.035694
31	0.007033	0.006976	-0.043888	-0.064165	-0.016502	0.0422	-0.032518	-0.090704	-0.067803	0.06079	-0.07523	-0.07201	-0.020146	0.000075
32	0.038193	0.04004	0.003028	0.000661	-0.02638	-0.023794	0.069728	0.066902	0.035529	-0.011322	0.015176	-0.035102	0.014101	0.059746
33	-0.003456	-0.050918	0.027717	-0.088369	0.009292	-0.031092	0.015752	0.005651	-0.003942	-0.082112	0.016876	0.042571	-0.022292	-0.02859
34	0.043938	0.005449	0.004432	-0.01899	0.073238	-0.109642	-0.0197	-0.111514	-0.010548	0.216265	0.064092	-0.012172	-0.0164	-0.093786
35	-0.023634	-0.075098	0.029326	-0.063247	-0.017973	0.015336	-0.0184	-0.006531	-0.027528	0.00723	-0.01222	-0.037734	-0.043103	-0.012588
36	-0.039111	-0.011152	0.01367	0.029655	0.021869	0.102063	-0.059836	-0.009726	0.000978	-0.048154	0.009588	0.062698	-0.065193	-0.05532
37	0.035507	0.063647	0.02249	0.02178	0.028603	-0.13076	-0.041458	-0.034484	-0.009663	-0.165003	0.030318	0.034399	-0.042644	-0.030582
38	-0.002709	-0.022808	-0.022668	0.01535	-0.011973	-0.050405	0.018316	0.06046	-0.049983	0.027074	-0.013248	0.132385	-0.043097	0.076938
39	-0.042662	-0.038691	0.01235	0.040032	0.045911	-0.036671	-0.005623	0.034257	0.043005	0.023028	0.00261	0.029727	0.004207	-0.029019
40	-0.007519	0.011072	0.005601	-0.044921	-0.006801	0.029333	0.005964	0.007697	0.012155	-0.032866	0.004233	-0.010449	-0.003132	-0.02525
41	0.016108	0.087721	-0.088127	0.044619	0.034568	-0.02695	-0.078631	-0.069585	0.000815	-0.013616	-0.02719	-0.026061	-0.027402	-0.026478

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
42	-0.011466	-0.034044	0.010877	-0.045453	0.0312	-0.009322	0.038422	0.034139	-0.011367	0.07349	0.003697	0.072196	0.006271	0.045095
43	0.003175	-0.027027	-0.017794	-0.023074	0.037217	-0.103516	0.007067	-0.038785	-0.010107	0.003227	-0.03769	-0.080891	-0.024437	0.014292
44	-0.04247	-0.011758	-0.018435	0.131695	-0.012632	0.017095	-0.002611	0.04445	-0.005315	-0.011098	-0.038837	0.130999	-0.008172	0.116946
45	0.025383	-0.004901	-0.011352	0.004051	-0.024042	0.025091	0.053196	-0.05217	-0.000457	0.013969	-0.042268	0.015976	0.005271	-0.014774
46	0.024156	0.033517	-0.085169	-0.074404	-0.045253	-0.058967	-0.018351	0.095941	0.033671	0.0146	0.06954	-0.000686	0.000913	0.141458
47	-0.004524	-0.008873	-0.003143	0.036158	-0.045277	-0.012445	0.032522	-0.009709	0.045865	0.018488	0.010726	0.059099	-0.014627	0.006231
48	-0.00517	0.022926	-0.005302	0.000335	-0.01999	0.031779	0.042124	0.002254	0.022277	-0.036107	0.00229	-0.098298	0.052828	-0.087288
49	-0.012479	0.032553	0.006408	0.033212	-0.047783	0.084311	-0.002472	0.025376	-0.028798	0.110418	-0.036282	0.264144	-0.041699	0.361109
50	0.008017	0.009508	0.005291	0.096727	0.044516	-0.029254	0.023611	-0.010299	0.05114	-0.040744	0.051366	0.053042	0.024369	0.025418
51	0.110184	0.054893	0.023417	-0.085348	0.071362	-0.063286	0.011643	0.003974	0.01642	-0.027832	0.016087	-0.073541	0.030592	0.09303
52	0.038333	-0.067721	-0.039331	0.090276	-0.048524	-0.035748	-0.019752	-0.026446	-0.030584	-0.068801	-0.009058	-0.044929	-0.071626	0.043142
53	0.002556	-0.047342	-0.060816	-0.175247	-0.02736	0.011895	-0.045304	0.013596	0.017965	-0.032606	0.031428	-0.086133	0.014563	0.045058
54	0.016222	-0.046667	0.087345	0.050323	-0.013153	0.080021	0.020947	0.059934	-0.003301	0.026434	-0.032085	-0.015458	-0.01612	0.02962
55	0.015457	-0.090324	0.024423	0.038253	-0.107466	0.061322	0.02171	-0.150606	-0.012855	-0.102515	-0.098179	-0.005514	-0.064917	-0.003076
56	0.03206	-0.037891	-0.020092	-0.080875	-0.001256	0.047227	0.074287	-0.007376	0.016194	-0.166087	0.017169	0.017203	0.023154	-0.078975
57	-0.053658	0.074895	-0.028424	-0.008285	0.083844	-0.008545	-0.120882	-0.108367	-0.013719	-0.089565	0.011895	-0.065986	-0.073016	-0.099663
58	-0.00062	0.01071	-0.000733	0.014518	-0.002515	-0.039694	0.0346	0.023273	0.026015	0.075218	0.056793	-0.026712	-0.000903	-0.031854
59	0.004826	0.033471	-0.035424	-0.017519	-0.092605	0.043365	0.027089	0.039877	0.00484	0.099878	-0.009365	0.028717	0.001701	-0.007615
60	-0.004284	-0.014375	-0.029863	0.009801	-0.016964	0.013456	0.008181	0.022443	-0.011505	0.014184	-0.011759	0.024508	0.002101	0.015326
61	0.005306	-0.013101	0.001103	-0.005194	-0.019617	0.019156	0.015055	-0.001891	-0.012857	-0.011848	-0.018944	-0.0073	0.00186	0.000462
62	0.010014	-0.004974	0.009634	-0.008657	0.009966	-0.035686	-0.01373	-0.010372	-0.021124	0.019492	-0.01719	0.020855	-0.00995	0.001534
63	0.001566	0.008783	0.022513	-0.000457	0.001577	0.012046	-0.001866	-0.016027	0.001218	-0.056895	-0.010897	-0.009668	0.004176	-0.000481
64	-0.001445	-0.012631	-0.018472	0.018612	-0.014163	0.000793	-0.024614	-0.013956	0.000253	-0.045789	0.00006	-0.019481	-0.006116	-0.010465
65	0.006198	0.006417	-0.007247	0.004805	-0.013077	-0.008272	0.016775	0.019886	0.004086	0.009151	-0.009755	0.03216	0.000843	0.022876
66	0.012716	0.004774	-0.003932	-0.017676	-0.013132	-0.009384	0.002629	0.001445	0.010655	-0.075887	0.009214	-0.01579	-0.017854	-0.013155
67	-0.002172	0.006202	0.036945	-0.025701	-0.022254	-0.016322	-0.006939	-0.048503	-0.011617	-0.056412	-0.006138	-0.041274	-0.025064	-0.035305
68	-0.025579	-0.013359	0.013707	0.023106	0.025017	-0.005017	-0.01879	-0.008426	-0.00148	0.002905	0.020249	-0.009773	0.002298	-0.053408
69	0.014561	-0.021156	0.002515	0.007503	-0.006642	0.007704	0.012835	-0.009968	-0.003029	0.006836	-0.003481	0.019185	0.008637	0.013941
70	0.00852	0.018406	-0.016139	-0.026309	-0.013357	-0.004948	0.007421	0.024319	-0.009763	0.011152	0.004024	0.022165	0.000632	-0.00246
71	0.014254	0.018188	-0.013357	0.020534	-0.011444	0.006128	0.004631	0.025396	0.009532	0.004386	-0.003471	-0.00203	0.031055	0.045056
72	0.004556	0.005965	-0.037809	0.049253	-0.009219	0.017319	0.003397	0.014789	0.001993	0.012187	-0.015084	0.023673	0.020124	0.024683
73	-0.008802	-0.005536	-0.032975	0.039554	-0.003579	-0.005155	-0.000138	0.016603	0.003743	-0.020241	0.019729	0.01128	-0.013719	-0.045539
74	0.009279	0.006564	-0.007906	0.022002	-0.007764	0.031648	0.011762	0.002181	0.003901	0.022681	-0.022771	0.001942	0.018027	0.025098
75	0.007366	0.0084	-0.003194	0.009492	-0.011102	-0.005977	0.004139	0.014404	0.00791	0.003842	0.005321	0.025233	0.009731	0.030157
76	0.020478	0.001612	0.023134	-0.037963	-0.014404	-0.002356	-0.000871	-0.012961	0.001341	-0.02657	-0.015292	0.004907	0.003301	0.037538
77	0.00469	0.009052	-0.003345	0.012883	-0.006886	-0.001301	0.008907	0.011795	0.006045	0.00505	0.001288	0.027565	0.013774	0.027414
78	0.006243	0.011197	-0.012336	0.007949	-0.017367	0.00044	0.005341	0.023353	0.002719	0.023719	0.006677	0.019649	0.014312	0.025982
79	0.012382	-0.000695	-0.007242	0.013192	-0.004384	-0.023157	-0.012015	0.015617	0.017473	-0.029985	0.022626	0.028599	-0.001871	0.024767
80	0.024326	-0.01098	-0.01549	0.013229	-0.026452	0.010732	0.024278	0.009135	-0.008871	0.000045	-0.009498	-0.056465	-0.012302	-0.071915
81	-0.034778	-0.011588	0.053114	0.026666	-0.009618	0.03551	0.032851	-0.031439	-0.006244	0.026355	-0.033701	0.013876	0.002242	-0.014982
82	0.011128	0.013713	-0.017727	-0.01786	0.012586	-0.0268	-0.003325	0.013889	0.009969	0.003715	0.011604	-0.004339	-0.001311	0.002021

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
83	0.006066	0.005575	-0.012542	-0.012072	0.003445	-0.015544	-0.009533	0.020266	0.002959	0.013637	-0.002568	-0.019262	0.00623	0.006617
84	0.002602	0.006713	0.000732	-0.007132	-0.012655	0.0071	0.01086	0.037725	0.001493	0.026227	-0.002168	-0.000476	0.01554	0.032049
85	-0.006234	-0.003758	0.038704	0.003775	0.028845	-0.002625	-0.025709	-0.029156	-0.001653	-0.10226	0.008948	0.010437	0.001472	-0.039876
86	0.002519	-0.002814	-0.004281	-0.003345	0.029431	-0.010906	-0.014926	-0.016043	-0.00406	-0.00413	-0.000644	-0.024398	0.021597	-0.036635
87	0.029426	0.013071	-0.016414	-0.011919	-0.019343	-0.000659	0.004071	-0.00106	-0.012751	0.014697	-0.019461	-0.024031	0.000182	0.019332
88	0.004039	0.007373	-0.012466	-0.0056	-0.012934	-0.012889	0.006318	0.015372	0.003405	0.020954	0.00518	-0.012162	0.000841	0.001434
89	0.007525	0.002494	-0.012097	-0.019123	-0.013748	0.00353	-0.003571	0.020449	0.000468	0.025839	0.002895	-0.027547	0.010207	0.002279
90	0.017766	-0.008786	-0.00657	-0.002256	-0.018286	0.017373	0.000622	0.016761	-0.001481	0.010301	-0.010576	-0.019148	0.015399	0.012143
91	-0.008323	0.000285	-0.017844	0.003354	-0.002558	0.013647	-0.001668	0.030548	0.005818	0.01746	0.009321	-0.003072	0.0146	-0.006625
92	-0.014974	0.002407	-0.007923	0.013205	-0.012599	-0.012025	0.020879	0.046801	-0.006313	0.085812	0.009995	-0.009895	0.008586	-0.017884
93	0.005827	0.00465	0.000669	0.023573	0.000061	-0.001989	-0.006156	0.008581	-0.002873	-0.048581	-0.004424	0.012445	0.005566	-0.003655
94	0.000064	0.012794	-0.008819	-0.032387	0.01048	-0.017275	-0.007092	0.047511	-0.002283	-0.016524	0.014517	0.004101	0.009636	-0.027142
95	0.011033	0.003683	0.050627	0.026288	0.0737	-0.02088	-0.00565	-0.030247	0.013264	0.033064	0.030942	-0.041435	0.001777	-0.031722
96	-0.001532	0.051284	-0.008629	-0.034993	-0.010776	0.036504	0.012947	0.023498	0.016065	-0.031011	0.01883	-0.036722	0.009206	-0.026698
97	-0.015393	-0.019551	-0.010161	-0.021513	-0.005167	0.011329	-0.009115	-0.004668	-0.01048	-0.008087	-0.012773	0.002441	-0.022932	-0.007689
98	0.010297	0.011377	0.004987	0.019137	-0.001364	0.00109	0.000045	-0.004425	0.006847	-0.002596	0.001679	-0.02097	0.003285	-0.015927
99	-0.021312	-0.012706	-0.002291	0.001094	-0.002217	0.008481	-0.003413	-0.005323	-0.008891	0.011147	-0.010884	0.00247	-0.010191	-0.001915
100	0.014815	0.020175	-0.006735	-0.015655	0.008389	-0.027401	-0.010487	-0.027155	0.000874	-0.015912	-0.002212	-0.052779	-0.003841	-0.008911
101	-0.007155	0.002119	0.016263	0.015394	-0.010902	0.014332	-0.00985	-0.014433	-0.009072	-0.009122	-0.008294	-0.021871	-0.007072	-0.02013
102	-0.016179	0.008991	0.037363	-0.018008	0.042328	0.044061	0.001615	-0.011202	-0.00534	-0.013003	-0.003795	-0.008055	0.002595	-0.006855
103	-0.01872	-0.007075	-0.001236	-0.002317	0.034457	-0.0347	-0.013434	0.001901	-0.008171	0.078879	0.005828	-0.002654	-0.002647	0.027146
104	0.011923	-0.013359	0.004375	-0.013029	-0.023751	0.007818	0.026945	0.009052	-0.018215	0.020855	-0.027302	-0.024143	-0.012538	0.038942
105	0.005544	0.041917	-0.036177	-0.007882	-0.07696	-0.0017	0.010472	0.021911	-0.018472	-0.000355	-0.023905	0.00882	-0.010752	0.056535
106	-0.012539	-0.0096	-0.016133	0.023147	0.032518	-0.026856	-0.035035	-0.019102	0.005116	-0.025388	0.007171	0.007036	-0.011703	-0.014497
107	-0.009818	-0.00445	0.009624	0.015475	0.000344	0.013325	0.002848	-0.003876	0.006408	-0.005656	0.000893	0.007641	-0.003264	-0.019938
108	0.004675	0.018762	0.040909	-0.004159	-0.022547	0.001916	0.015237	0.001477	0.001326	0.022227	0.000519	0.025048	-0.005781	0.011609
109	-0.024677	-0.030095	0.002315	0.005671	-0.000391	0.044665	-0.025565	0.013243	-0.0425	0.063241	-0.029972	-0.031379	-0.008015	0.017824
110	-0.002749	-0.032624	-0.008741	0.017372	0.01146	-0.014388	0.018796	0.039486	0.023502	-0.0047	0.024191	-0.025665	0.02369	0.000113
111	0.008061	-0.014533	0.019012	-0.014276	-0.020235	-0.004402	0.015882	0.002321	0.011307	-0.023938	-0.009958	0.000147	-0.01342	-0.012134
112	0.004366	0.011583	0.019171	0.01079	-0.022574	-0.026842	0.012388	0.004381	0.007355	-0.027587	-0.014635	0.026543	0.015308	0.021637
113	0.002241	-0.000357	-0.001374	0.022502	0.013941	0.014706	-0.018196	-0.010286	-0.005269	-0.029575	0.004775	-0.02374	-0.009375	-0.057309
114	0.01139	0.0242	-0.010608	0.004415	-0.039378	0.064395	0.011474	-0.013066	-0.011664	0.006996	-0.036443	-0.027524	0.001805	-0.013751
115	-0.016559	0.002735	0.026613	-0.012794	0.008915	-0.03463	-0.018219	0.018857	-0.01302	-0.007805	0.005074	0.043447	0.006127	0.054457
116	-0.013885	-0.020798	-0.01207	0.058134	-0.033602	-0.042505	-0.005717	-0.026636	0.007689	0.012044	-0.026082	0.02972	-0.018633	0.010833
117	0.012683	0.020843	0.011665	-0.101149	-0.035517	0.033317	0.032986	0.029448	0.030027	-0.019006	-0.003556	-0.00697	0.02542	0.069625
118	0.014226	0.035999	0.018349	-0.051018	-0.010007	0.001015	0.00374	0.011479	-0.016569	0.044179	-0.004329	0.007422	-0.019909	0.023123
119	0.007673	-0.013227	-0.010988	-0.013302	-0.010834	-0.006009	0.001735	-0.005731	-0.00286	0.011296	0.010547	0.007237	0.010647	0.009392
120	-0.011433	-0.020352	-0.001929	-0.021397	-0.008673	0.018591	-0.010063	0.000579	0.018876	0.003684	0.022862	-0.006406	-0.008275	0.021761
121	-0.003837	-0.029624	-0.017506	0.013911	0.036227	-0.023283	-0.026805	-0.009537	0.002391	-0.030038	-0.003782	0.011948	-0.000814	-0.040477
122	-0.012677	0.024427	0.009629	0.025914	0.0194	-0.001118	-0.006238	-0.001694	-0.00429	0.026082	-0.010279	0.005851	-0.00606	0.006274
123	-0.001254	0.009329	0.015569	0.02012	0.020415	-0.033938	-0.016	-0.031855	-0.001904	0.006277	0.000944	0.008178	-0.010342	-0.006955

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
124	0.014541	0.000875	-0.013026	-0.027169	-0.023827	-0.029945	0.003127	-0.005678	-0.00598	0.01626	-0.004942	-0.014039	0.01027	-0.002317
125	0.006	-0.005789	0.009856	0.012587	0.016383	-0.015029	-0.006998	0.003205	0.003306	-0.026174	0.008942	-0.011558	0.00663	0.019816
126	0.024144	0.013258	0.002928	0.005666	0.009176	-0.00163	0.025138	0.003777	-0.004697	0.057326	-0.009185	0.026338	0.001725	0.029964
127	0.009201	0.002679	-0.006491	0.010741	0.012959	-0.014783	0.012758	0.020166	-0.002633	0.042473	0.001594	0.001356	0.017738	0.021705
128	0.014879	0.004298	-0.024283	0.003645	0.002444	-0.014069	0.027014	0.026729	0.006728	0.017315	0.005433	-0.005102	0.014594	0.020072
129	0.009255	-0.025957	0.025877	0.016557	-0.006515	-0.054752	0.016912	-0.025788	-0.007323	-0.084822	-0.015772	0.036197	0.000548	0.002632
130	-0.015758	-0.011619	0.013381	-0.010893	0.047745	-0.078357	-0.037248	0.005789	-0.005002	0.020976	0.035177	-0.000117	0.007083	-0.020419
131	0.011544	0.010324	-0.040046	0.006261	-0.030348	-0.04163	-0.00248	0.015613	0.012944	-0.075654	0.016184	0.041247	0.000029	0.028739
132	0.022363	-0.021074	-0.017211	-0.05553	-0.02637	-0.017543	0.022842	0.047917	0.009645	-0.009905	0.016774	-0.024989	0.013431	0.027273
133	-0.002557	-0.001675	0.009566	0.034654	0.035648	-0.01651	-0.002872	0.042975	0.023216	0.015014	0.020218	0.026035	0.006643	0.04256
134	0.022288	0.032556	0.014868	-0.053613	0.033724	-0.027002	0.006504	-0.005736	-0.010225	-0.016741	0.010467	0.04029	0.017652	-0.03432
135	0.007887	0.004028	-0.016896	-0.01612	-0.002817	-0.016818	-0.010388	-0.008358	0.00149	0.013895	-0.000642	-0.032074	-0.007572	0.001036
136	0.001403	0.011968	-0.022935	-0.032687	0.006098	-0.041677	-0.022771	-0.003614	0.008048	0.011309	0.016936	-0.01536	-0.003996	-0.013888
137	0.016462	-0.002878	-0.018212	0.033725	0.01913	-0.027543	-0.022456	-0.002835	-0.016613	-0.012983	-0.00635	0.004483	0.002714	0.013397
138	-0.018775	-0.028928	-0.008315	0.007632	-0.007676	0.03821	-0.006766	0.01744	0.004425	0.036949	0.006223	0.008379	0.005269	-0.034406
139	-0.003825	-0.023314	0.006867	0.063967	0.000666	0.004828	0.00262	-0.021939	-0.044532	0.020797	-0.023601	0.028147	-0.035607	0.006249
140	-0.008631	-0.031126	-0.018498	-0.010323	-0.00171	0.003073	0.014926	0.000882	0.00884	-0.045989	0.005793	0.089292	0.006581	0.016924
141	-0.015231	-0.00039	-0.004484	-0.046108	-0.002704	-0.028419	0.008828	-0.000159	-0.010815	0.048442	0.003248	-0.036272	-0.007158	-0.006347
142	-0.001194	-0.007418	0.014649	-0.031871	-0.026894	-0.004337	-0.010239	-0.016122	-0.019533	0.005509	-0.025303	0.00282	-0.013845	0.003621
143	-0.016654	0.020734	0.017762	0.039513	0.011232	-0.012527	-0.007402	-0.023854	-0.007679	-0.002546	-0.016936	-0.003108	-0.018912	-0.002796
144	-0.005016	-0.010233	0.001319	0.013236	0.003133	-0.016495	-0.006917	-0.062871	-0.006478	0.016956	-0.011131	-0.000154	-0.019335	-0.040943
145	0.007013	-0.001564	-0.031049	-0.011181	0.008863	0.017506	-0.007515	-0.005764	-0.011995	-0.009383	-0.020277	-0.018892	-0.020564	-0.033811
146	0.016773	-0.019387	0.002169	-0.022985	-0.002667	-0.031478	0.010148	-0.01132	0.009298	-0.028526	0.012221	-0.007755	-0.006648	-0.001708
147	0.034883	-0.006661	0.041163	-0.070785	-0.026388	0.019014	0.005048	-0.036919	0.009856	-0.077378	0.004974	0.000386	-0.014081	0.018328
148	0.008325	0.016917	0.007509	0.032203	0.034673	-0.028505	-0.025841	-0.061311	-0.001881	0.030858	-0.00847	0.005544	-0.031844	0.040327
149	-0.020879	0.006915	-0.022386	0.006595	0.003766	-0.011046	0.000432	0.014909	-0.012818	0.007382	-0.01466	0.001525	-0.012626	0.004308
150	0.005845	-0.003062	0.004297	0.033999	0.019439	-0.060309	-0.01687	-0.006258	0.002496	0.006331	0.013415	-0.00759	0.000688	-0.015148
151	0.002448	0.028214	0.017138	0.016106	0.020083	-0.028762	0.001979	-0.057588	-0.007633	0.002994	0.003323	0.030362	-0.036139	-0.036029
152	-0.010224	-0.010296	-0.010224	0.005422	-0.006169	-0.020481	0.004121	0.004123	-0.001383	0.011566	-0.011067	0.003163	0.010281	-0.006323
153	-0.004753	-0.015804	0.02483	-0.022851	-0.005687	-0.021921	0.015796	-0.01573	-0.011886	0.043038	-0.002777	-0.00775	-0.005853	0.006577
154	0.008855	-0.004421	-0.015912	-0.029167	-0.036637	-0.01601	-0.002025	-0.003214	-0.008848	-0.03927	-0.015524	0.006109	-0.011846	0.004883
155	0.009437	-0.041863	-0.016548	0.020361	-0.027428	-0.000317	0.017728	0.015438	-0.011624	0.009527	-0.014407	0.011414	-0.00116	0.001521
156	-0.009566	0.018332	0.009407	0.005639	0.014802	-0.015003	0.002656	-0.032543	-0.000947	-0.009349	-0.0079	-0.024231	-0.001658	-0.0177
157	-0.000671	-0.029019	-0.001055	0.002228	-0.008015	-0.01227	0.00564	-0.002413	0.007053	-0.004139	-0.004909	-0.005979	0.000307	0.018674
158	0.000742	-0.025462	0.026548	-0.035373	-0.027781	0.023032	0.007967	0.02061	-0.012237	0.026699	-0.001424	-0.00325	-0.006969	0.050952
159	0.00711	-0.002511	-0.075514	0.025313	-0.058101	0.023827	-0.018607	-0.008993	-0.02723	0.020507	-0.050178	-0.027827	-0.028392	0.001205
160	-0.002619	0.020933	0.012998	-0.016659	0.037749	0.006841	-0.013484	-0.044066	-0.004005	-0.064387	-0.03244	-0.024637	-0.001965	-0.019881
161	0.003318	-0.049084	0.012874	0.014473	-0.021643	0.021241	0.025253	0.008097	-0.008632	0.006814	-0.019293	0.001319	-0.000014	0.037545
162	0.001226	0.006685	0.004479	-0.014925	0.003718	-0.026581	-0.010648	-0.023906	-0.003196	-0.034085	-0.004555	0.029002	-0.022497	-0.001517
163	0.009028	-0.003816	-0.002508	-0.031685	-0.001818	-0.024678	-0.011032	-0.00834	-0.012453	-0.030175	-0.029206	-0.033257	0.002753	0.001206
164	-0.004674	0.008157	-0.018514	-0.021829	-0.064994	0.002802	0.015237	-0.015987	-0.036521	-0.005452	-0.033749	-0.005096	-0.022734	0.008238

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
165	-0.009443	-0.00498	0.025605	0.020905	0.008944	-0.019741	0.039374	0.030127	0.001108	-0.039252	-0.028089	0.034334	0.00297	-0.029019
166	-0.00943	0.009687	-0.011826	-0.027473	-0.023315	0.002094	-0.006991	-0.013831	-0.002975	0.056881	0.00553	-0.006719	-0.003497	-0.028366
167	0.014233	-0.018582	-0.019692	0.02104	-0.008642	-0.005467	0.007634	-0.007741	-0.022384	0.047204	-0.007091	-0.029386	-0.001501	-0.015747
168	-0.012415	0.015984	0.002367	-0.023633	0.021621	-0.012806	-0.011334	0.000073	0.004945	-0.042641	0.017759	-0.014874	0.006849	-0.018807
169	-0.008942	-0.015677	0.007707	-0.016088	-0.019648	-0.002303	0.001049	0.011998	0.009615	-0.021119	0.011775	-0.040086	0.008628	-0.00952
170	-0.015505	-0.006407	0.018371	-0.030642	-0.014751	-0.00362	0.00107	0.003477	0.014689	-0.038416	0.013518	-0.034133	0.009843	-0.029507
171	-0.011096	-0.014784	0.00269	-0.021884	-0.020866	-0.018752	0.014524	0.009379	0.009312	0.005602	0.011565	-0.027695	0.004585	-0.03063
172	-0.005274	-0.01526	0.010243	0.007787	0.001793	0.016132	0.004523	-0.002438	0.007722	0.007539	0.005718	0.004346	0.005486	-0.000258
173	-0.01075	-0.01797	0.014881	0.039235	0.030659	0.02656	-0.002679	0.008961	0.006426	-0.022601	0.001199	0.037495	0.000663	0.007974
174	-0.001461	-0.03113	0.001647	0.005018	0.029315	0.029406	-0.002502	0.019211	0.008748	-0.029529	0.025186	-0.006327	0.001316	-0.030269
175	-0.002629	-0.012146	0.004747	-0.015327	0.022281	-0.027924	-0.004974	0.022386	0.004704	-0.026525	0.029831	-0.022936	0.002144	-0.044111
176	-0.016518	0.00856	0.008632	-0.015462	0.000728	-0.024732	-0.011504	0.016232	0.0205	0.002261	0.010508	-0.052573	0.010105	-0.000956
177	0.013922	-0.018752	-0.005444	-0.021744	-0.007554	0.034463	0.01991	-0.01464	0.005804	0.074548	0.027358	-0.028453	0.007717	-0.01352
178	0.024272	-0.010688	0.007378	0.027933	0.010171	-0.0136	0.018978	0.00402	0.00345	0.012077	0.007861	-0.004993	0.003503	0.003592
179	0.005848	-0.000851	0.007443	0.018459	-0.001082	0.006409	0.001479	-0.013692	0.004395	0.014542	0.004877	-0.02905	0.002782	-0.021125
180	0.001134	0.009318	0.011398	0.022652	0.008713	0.012212	-0.00305	-0.002607	0.009745	0.01739	0.012035	-0.008898	0.005676	-0.007316
181	0.00414	0.002341	0.013641	0.021986	0.000306	0.014449	0.004346	-0.002467	0.009282	0.011266	0.004532	-0.016623	0.008257	-0.009896
182	-0.003852	0.010075	0.008265	0.010928	0.003983	0.005809	-0.002553	-0.011594	0.010062	0.012015	0.002035	-0.017479	0.004482	-0.01297
183	0.016687	0.008635	-0.009372	0.017044	-0.004546	-0.021354	0.008628	-0.025159	0.002434	0.022788	-0.002575	-0.033394	0.00238	-0.022435
184	0.019664	-0.001618	-0.011816	0.019097	0.029643	-0.018844	-0.022859	-0.060143	0.002804	-0.026815	-0.008911	-0.02508	-0.017429	-0.040688
185	-0.023288	-0.003662	-0.013681	0.031503	0.004174	0.036459	-0.003876	0.012111	0.010173	-0.004362	-0.005963	-0.065314	0.024093	-0.047646
186	-0.007559	0.003987	0.023558	0.007774	0.030086	-0.007435	-0.014814	-0.012535	0.005195	-0.009103	0.029358	0.01635	-0.011875	-0.004294
187	0.00833	0.019108	0.015249	0.005947	0.027905	0.025175	-0.011783	-0.013744	0.003062	-0.000145	0.002271	0.014639	-0.004827	0.036298
188	0.000994	0.006499	0.008654	-0.007413	0.027012	0.038214	-0.014638	-0.010612	0.006092	-0.01876	0.011367	0.001172	-0.005078	0.005876
189	0.000871	0.012406	0.017781	-0.03295	0.028117	0.004708	-0.044405	-0.030749	-0.001882	-0.018127	0.012128	-0.042356	-0.018331	-0.015538
190	-0.007901	0.006933	-0.022949	-0.006262	0.005978	-0.029356	-0.024362	-0.012255	-0.014061	-0.010789	0.002615	-0.010432	-0.011833	-0.007107
191	-0.009048	-0.006813	-0.009904	-0.037389	-0.016273	-0.00408	-0.002947	-0.006535	-0.011915	-0.002683	-0.0039	-0.011636	-0.009312	0.018321
192	0.01549	0.005914	-0.033105	0.02935	-0.001533	-0.015374	0.029405	-0.006406	0.002491	-0.000982	-0.000957	0.014964	0.004547	0.00485
193	0.002661	0.011366	-0.000371	-0.007329	0.019059	0.004828	-0.002168	-0.030959	0.013308	-0.025492	0.014842	-0.020559	0.002077	-0.004231
194	-0.018103	0.012434	0.030111	-0.007184	0.03335	-0.007777	-0.019365	0.004041	0.006608	0.002265	0.031203	0.026977	0.006452	0.031347
195	0.003004	-0.003999	0.021161	0.057301	0.011889	-0.000998	-0.014877	-0.024819	0.001095	-0.000931	-0.016553	0.009083	-0.00008	0.005636
196	0.000419	0.00031	0.001541	0.029039	0.007152	-0.005305	-0.01872	-0.020242	-0.003146	-0.018405	-0.003814	0.004264	-0.007807	-0.010657
197	-0.008119	0.011634	-0.029237	-0.012163	-0.020706	-0.012352	-0.004495	0.007271	-0.006457	-0.032686	-0.004287	-0.005048	-0.010161	0.012373
198	0.016408	0.005938	0.024508	0.000984	0.004905	-0.026973	0.005387	-0.033209	0.000343	0.011752	-0.022922	-0.018679	0.00504	-0.002652
199	-0.017525	-0.035314	-0.022848	-0.04411	-0.027021	0.014117	-0.028649	0.016945	-0.028148	0.002153	-0.008469	-0.011613	-0.019016	0.016821
200	0.033961	0.001995	0.011093	0.021215	-0.014157	-0.007049	0.035322	-0.010468	-0.015923	0.067645	-0.011577	0.00975	0.002987	0.023826
201	-0.01634	0.021983	-0.005109	-0.010878	-0.037348	-0.005755	0.016961	0.032945	-0.012328	-0.009141	-0.038853	-0.051049	0.002082	0.054225
202	0.010388	0.034606	0.022263	0.00399	0.015875	-0.022684	0.01978	-0.004389	0.009573	-0.037422	0.00044	0.019984	0.009463	-0.007354
203	0.020722	0.013706	-0.052082	-0.00809	-0.002357	-0.035494	-0.008484	0.001229	-0.016458	0.010321	-0.015214	0.028264	-0.004988	0.0533
204	-0.008913	0.003263	-0.008368	0.049848	-0.038864	-0.021188	0.026557	-0.024277	0.025561	-0.031717	-0.032655	0.001547	0.005294	0.036519
205	-0.016684	0.017074	-0.009318	0.010503	0.034041	0.032724	-0.039146	0.018813	-0.024532	0.04789	-0.010501	0.055712	0.000855	0.034008

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
206	0.035344	0.031552	0.002816	-0.048514	0.021647	-0.053101	-0.010328	0.018265	-0.01645	-0.03452	0.005028	-0.001271	0.024393	0.049831
207	0.021728	0.015667	0.000841	0.058638	-0.03242	-0.034039	0.014928	0.018342	-0.006306	0.013375	0.002392	-0.016495	0.011442	0.025052
208	-0.004983	-0.000895	-0.014869	-0.006563	-0.007413	-0.0417	-0.006239	0.032691	-0.01684	-0.016763	-0.00852	-0.028535	0.021064	0.028582
209	0.0053	0.01021	-0.016672	0.004232	0.016808	-0.029031	-0.009728	0.027157	0.031615	-0.011965	0.019668	0.03929	0.002333	0.018312
210	0.021614	-0.0029	-0.047403	0.029254	-0.029322	-0.018858	0.024038	-0.016755	0.018697	0.030849	-0.013095	-0.067432	0.003285	-0.022076
211	-0.016038	0.001998	-0.013846	0.065013	-0.010141	0.015462	0.032088	-0.014298	-0.00146	0.031825	-0.014988	0.049625	-0.00472	0.013975
212	-0.003996	-0.020261	0.002276	0.042654	-0.052521	0.02252	0.002499	-0.055988	-0.019937	0.008498	-0.053996	0.007497	-0.022216	-0.014436
213	-0.019078	-0.017586	0.030152	-0.013564	0.014396	0.078673	0.014799	-0.020425	-0.00189	0.060068	0.004565	0.020763	0.002847	0.005278
214	0.013204	0.010252	0.006479	0.014324	-0.001214	-0.012782	-0.003251	-0.012177	0.006215	-0.001884	0.006755	-0.019772	0.005514	-0.008481
215	0.004318	-0.020069	0.015913	0.024388	-0.018857	0.016433	-0.004237	-0.009817	0.007395	-0.007976	0.014108	-0.073862	-0.002534	-0.023732
216	-0.010215	0.011536	0.023232	-0.034249	-0.004614	0.007552	0.002655	0.014364	0.008701	0.014275	0.017711	-0.001506	-0.009142	-0.01802
217	0.002195	-0.003055	-0.008393	-0.037026	0.017824	-0.016513	-0.016749	-0.007093	-0.005887	-0.03261	0.010105	-0.008386	0.002429	-0.012121
218	-0.01223	-0.01256	-0.015348	0.019939	0.000939	0.011952	-0.020176	-0.000922	0.00716	-0.040212	-0.002082	-0.011602	-0.007607	-0.013476
219	-0.002723	-0.019627	0.025688	-0.011735	0.006643	-0.022174	-0.014177	-0.014632	-0.003627	-0.017735	-0.005575	-0.001895	-0.01717	-0.031791
220	0.009772	-0.010605	-0.020059	-0.025773	0.002394	-0.037285	-0.020443	-0.004567	-0.003975	-0.014039	-0.006496	-0.003392	0.004693	-0.000733
221	-0.003956	0.004054	0.001808	0.034531	0.012875	-0.003439	-0.000024	0.0147	0.008506	-0.008615	-0.008392	0.034098	-0.003799	0.002726
222	-0.003518	-0.013828	-0.004979	0.030759	0.015693	-0.010607	-0.010496	-0.019051	-0.011398	0.004876	-0.01692	0.017418	-0.007312	-0.001674
223	-0.021591	-0.014524	0.013223	0.014043	0.009783	-0.009763	-0.000766	0.008743	-0.001716	0.019097	-0.000469	0.021572	0.003363	0.010909
224	-0.009453	-0.006592	0.008907	-0.014285	-0.023613	0.007558	0.024257	0.024213	-0.004425	0.026286	0.005875	-0.007046	0.000022	0.006884
225	-0.016212	-0.016837	0.008453	-0.011401	-0.030057	0.017981	0.029574	0.038045	-0.008202	0.027264	0.000045	0.001976	0.003486	0.001233
226	-0.012422	-0.012325	-0.001858	0.022649	0.002391	-0.022237	-0.015704	-0.021028	-0.00757	0.007125	-0.006015	0.001029	-0.013558	-0.004333
227	-0.005394	-0.026475	0.003187	-0.010744	-0.010401	-0.012959	-0.003545	-0.001307	-0.008112	0.032294	0.01513	-0.022323	-0.004672	0.013699
228	-0.003364	0.010514	-0.012766	-0.028834	0.00597	-0.034448	-0.017636	0.002076	-0.023135	-0.030172	-0.003326	0.024829	-0.017825	0.011815
229	0.020854	0.034342	0.007861	0.023491	0.011741	0.0531188	-0.003392	0.001299	-0.00424	0.025537	0.001624	-0.011464	0.00789	0.010904
230	0.008367	0.013133	0.007528	-0.005783	-0.011196	0.034959	0.011664	0.016767	-0.008279	0.030945	0.007686	-0.007554	0.020414	-0.003354
231	-0.025048	0.003707	-0.001226	-0.016708	-0.005642	0.018048	-0.003816	0.032274	0.00706	0.040987	0.004955	0.018704	0.012995	0.017308
232	0.003511	0.00588	0.003034	-0.018753	-0.023613	0.005075	0.008368	-0.008025	-0.006428	-0.027654	-0.015359	-0.01163	-0.007109	0.00845
233	0.009135	-0.018577	0.011776	0.009551	0.001247	0.045025	0.021	-0.003525	0.001382	0.02009	-0.009828	-0.018799	-0.002295	0.002528
234	0.000515	-0.010749	0.005209	-0.01668	-0.00601	0.010651	0.000984	0.056351	-0.001242	0.011975	0.013293	0.024054	0.006263	0.017479
235	-0.010574	-0.026722	0.006245	-0.027644	0.000154	0.018808	-0.003725	0.02721	-0.010018	0.024218	-0.005595	0.023207	0.000002	0.019662
236	-0.001665	0.022606	0.008978	-0.017532	-0.003263	-0.001564	0.005203	-0.006429	0.00595	0.015325	0.004305	-0.015188	0.009288	-0.013216
237	-0.008607	0.009691	-0.006148	-0.007561	-0.018529	0.033186	0.008407	0.010917	-0.000456	-0.022766	0.00771	-0.004575	-0.003481	-0.012081
238	0.001082	0.007949	0.02212	-0.022424	-0.003788	0.010024	0.008221	0.013641	-0.005017	-0.001293	0.002637	0.017889	0.001857	-0.008164
239	0.00767	-0.00125	0.02373	-0.011067	0.011876	-0.010691	0.00952	0.014786	0.001556	0.005597	-0.001359	0.011998	0.006758	-0.000228
240	0.008279	0.010764	-0.009366	-0.000003	0.008286	-0.014582	0.004204	-0.014062	0.00454	-0.010127	0.000187	-0.004071	-0.006875	0.002184
241	0.005749	0.004001	-0.018828	0.017672	-0.012158	0.018123	0.014174	-0.00596	0.012178	0.010238	-0.000662	-0.024748	-0.00502	-0.018698
242	-0.001315	0.010217	0.003499	0.001457	0.013588	0.016418	-0.005939	0.002681	-0.000393	0.023501	0.001381	0.017939	-0.001125	0.014916
243	-0.009305	0.000101	0.018556	-0.009676	0.014352	-0.007585	-0.012524	-0.018225	-0.012316	0.005674	-0.000671	0.014419	-0.02886	0.002865
244	0.01349	0.029606	0.005287	0.000669	-0.003724	0.00669	0.01934	0.024205	0.014755	0.022487	0.005573	0.012679	0.013294	0.033283
245	0.011669	0.011738	-0.002515	0.000151	-0.000701	0.041504	0.02605	0.012188	0.017994	0.01352	0.006154	-0.030874	0.01921	-0.007089
246	0.011711	-0.016541	0.001413	0.000257	0.000481	0.006376	0.004683	0.004603	-0.001853	-0.013729	-0.007477	-0.013308	0.001973	-0.006005

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
247	0.006857	-0.012223	0.011257	0.010566	0.018612	-0.020472	-0.005308	-0.012677	-0.006145	0.002432	-0.009147	0.006009	-0.002242	-0.008131
248	0.009256	-0.008469	0.008987	0.002616	0.012396	-0.028837	-0.005874	-0.024226	-0.004384	-0.001904	-0.008143	0.006787	-0.001042	-0.014452
249	0.008738	0.002451	-0.00327	-0.009292	-0.00021	-0.033106	0.005569	-0.037982	0.006515	-0.045348	-0.002141	-0.015908	0.008477	-0.018238
250	0.00722	0.008195	-0.00561	-0.023671	-0.01761	-0.00905	0.015378	0.018516	0.00631	0.014144	0.011111	-0.007045	0.006159	0.014562
251	0.005174	0.006179	-0.016251	-0.004635	-0.016866	-0.004679	0.01655	0.018031	-0.002183	0.008606	-0.006833	-0.003993	0.00932	0.009742
252	0.004948	0.015102	-0.029038	0.014443	-0.01462	0.028626	0.009136	-0.00384	0.015903	-0.000564	-0.001465	-0.038233	0.019333	-0.017026
253	-0.011406	0.014398	-0.006838	0.007201	-0.018427	0.008903	0.008952	0.011542	0.004189	0.004504	0.014132	0.021028	-0.001927	-0.005389
254	-0.005755	-0.003583	0.031004	-0.012372	0.004817	-0.007338	0.012432	0.003104	0.008244	0.017408	0.009027	0.00843	0.004372	0.017855
255	0.011309	0.011438	0.014506	-0.014516	-0.001554	-0.001478	0.009746	0.010219	0.008847	0.001769	0.002399	0.010305	0.0027	0.027148
256	0.011627	0.014594	-0.008358	-0.000667	0.002152	0.039346	-0.000492	-0.005748	0.025633	-0.031134	0.006768	-0.025981	0.005977	-0.010073
257	-0.009908	-0.02262	0.00066	0.010951	-0.010936	0.003786	0.004876	-0.001062	-0.004401	0.000846	-0.014012	0.004776	0.009922	0.008122
258	-0.029036	-0.030936	-0.0083	0.021217	-0.000721	-0.008707	-0.009916	-0.018784	-0.006528	0.005481	-0.004332	0.00506	-0.019902	-0.0032
259	0.005051	-0.002376	-0.004409	-0.000428	0.002346	-0.015289	0.00741	-0.014857	-0.003489	0.019901	0.001475	-0.000449	0.005157	-0.004027
260	0.003964	0.007188	-0.014152	0.005667	0.019458	-0.026901	-0.012624	-0.008799	0.008128	0.02564	0.01378	-0.032743	0.023938	-0.035535
261	0.003218	0.012594	-0.01882	0.016573	0.02475	-0.023039	-0.025662	-0.011759	-0.002451	-0.011793	0.005275	-0.016742	0.005513	-0.029443
262	0.013566	0.01937	-0.007768	0.002904	0.012536	-0.006137	-0.00182	-0.002313	-0.001506	-0.009305	-0.003	-0.002143	0.013642	-0.005317
263	0.012824	0.015256	-0.004518	-0.012133	0.00006	-0.005311	0.009015	-0.007986	-0.003976	-0.007781	-0.005291	0.004869	0.01192	0.000036
264	0.009343	0.004208	0.001336	0.003156	0.003938	-0.028436	-0.006191	-0.028992	-0.000284	0.013158	0.001981	-0.003223	-0.008748	0.008347
265	-0.006468	-0.008365	0.026053	-0.005969	0.005646	-0.03071	-0.014219	-0.028078	0.001625	0.005925	0.004567	-0.001692	-0.011534	0.008898
266	-0.015123	0.004801	0.024497	0.007305	0.015234	-0.020038	-0.01559	-0.010356	0.004287	-0.003425	-0.001209	0.015651	-0.00923	0.006364
267	0.010834	0.02244	0.002765	-0.029618	0.000248	-0.002858	-0.016117	0.002517	0.004125	0.002282	0.018688	-0.023876	-0.007221	0.00169
268	-0.007619	-0.013893	-0.010507	0.013	-0.014047	-0.018197	-0.011511	-0.012436	-0.008337	0.011529	-0.010616	-0.001806	-0.018251	-0.000671
269	-0.01665	-0.007397	-0.000671	0.012508	-0.008268	-0.009751	-0.019183	-0.016707	-0.006227	0.011269	-0.006768	-0.002659	-0.013906	-0.009044
270	-0.002775	-0.009338	-0.007831	-0.000461	0.004388	-0.04488	-0.023206	-0.023982	-0.006073	0.000007	0.004	-0.004993	-0.009737	0.000284
271	0.008531	0.059877	0.033336	-0.002427	0.041763	-0.049432	0.007093	-0.024396	0.002621	0.019997	0.009615	0.010898	-0.00815	-0.00923
272	0.021242	0.029224	-0.000878	0.022662	0.01663	0.015946	-0.006973	-0.007915	-0.008731	0.018316	0.000912	-0.002859	0.000367	0.003776
273	0.019729	-0.006538	-0.03069	0.030031	-0.006874	-0.00643	-0.000379	-0.006947	-0.013658	0.01426	-0.00442	0.000807	0.011378	-0.007646
274	0.016984	-0.003482	-0.026592	0.027295	-0.00532	-0.005108	-0.002799	-0.006706	-0.013737	0.016784	-0.002688	0.005502	0.011123	-0.006531
275	0.032262	0.007023	0.000969	-0.017747	0.019574	-0.044609	-0.016892	-0.027998	-0.015227	0.014113	0.017449	-0.019113	0.014681	0.006078
276	0.003555	0.03572	0.000318	-0.008497	0.006101	0.006741	-0.001475	-0.001434	0.004509	0.0265	0.006492	-0.014048	0.003838	-0.008962
277	-0.003395	-0.0008	-0.004918	0.010665	0.008838	0.027004	0.002423	0.013357	0.0084	-0.011636	0.009789	0.004514	0.005135	-0.003515
278	-0.002243	0.006675	0.000132	-0.006604	0.011061	0.022899	0.006254	0.018837	0.011149	-0.006488	0.014331	0.001727	0.012734	0.002474
279	0.014063	0.01023	0.029214	-0.027064	0.026897	-0.034878	-0.000784	0.003224	0.001155	-0.010725	0.009375	0.014075	0.000673	-0.008063
280	-0.010815	0.010788	0.008418	-0.027069	-0.000936	0.005447	-0.003579	0.004457	-0.01064	0.01021	0.013777	0.019963	-0.031115	0.004836
281	-0.000645	-0.011087	-0.02192	0.006373	0.008759	-0.015116	-0.000269	-0.002377	-0.002932	0.001916	-0.007048	-0.001242	-0.00727	0.010848
282	-0.008086	-0.008225	-0.015222	-0.002875	0.017376	-0.015479	0.002801	-0.001851	0.001161	0.011824	-0.004966	-0.010471	-0.00259	0.004957
283	0.012133	0.006853	0.009384	0.002491	0.045666	-0.058129	-0.016077	-0.027542	-0.002981	0.007313	0.003806	0.008363	-0.003316	-0.016457
284	-0.006325	-0.010496	-0.010005	0.001179	-0.011356	-0.007701	-0.003348	-0.007711	-0.007378	-0.002578	-0.009042	0.001254	-0.000573	0.005091
285	-0.007608	-0.008052	-0.003893	0.000695	-0.009619	-0.013181	0.002383	0.000479	-0.003292	-0.003449	-0.00976	-0.00008	0.009385	0.010141
286	-0.031856	-0.021203	-0.00628	0.00993	-0.013279	0.010668	-0.000217	-0.019789	-0.005273	0.00602	-0.008957	0.000475	-0.023073	0.014563
287	-0.029523	-0.012567	0.00129	0.003939	0.003992	-0.006777	-0.006837	-0.028653	-0.002315	0.002756	-0.003156	-0.003789	-0.022226	0.009018

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
288	-0.010496	-0.006938	-0.015442	0.009783	0.024086	-0.036093	-0.024118	-0.020043	-0.002367	-0.01473	0.018232	0.021485	-0.02146	0.001523
289	0.017146	0.010933	0.002252	-0.021054	0.017339	-0.042808	-0.006286	-0.009342	0.00195	-0.016479	0.000173	0.001457	0.007878	0.00551
290	0.012935	-0.010708	-0.022236	0.01599	-0.000769	-0.002726	-0.000096	-0.003419	-0.003937	-0.025193	0.00814	0.022091	-0.005973	0.004316
291	0.011534	-0.01062	-0.019588	0.019743	0.001862	-0.003614	0.00014	-0.004594	-0.003137	-0.024543	0.009289	0.022657	-0.006219	0.004929
292	0.013165	-0.00601	-0.014321	0.019557	0.001099	0.000403	0.001645	-0.001584	-0.005132	-0.029142	0.006051	0.02786	-0.00752	0.01683
293	-0.001428	-0.016555	0.010462	0.015479	0.010096	-0.015952	0.010526	0.001095	0.013249	-0.007253	0.025907	0.033302	-0.021226	-0.011364
294	-0.005529	-0.017704	-0.024063	-0.009606	0.006446	-0.022377	-0.031242	-0.018598	-0.010582	-0.022976	-0.00132	-0.007191	-0.022989	-0.015312
295	0.009696	-0.01498	-0.025341	0.007423	0.005882	-0.001006	0.001471	0.011784	-0.011074	-0.001683	0.004368	0.026555	0.006101	-0.013327
296	0.007347	-0.024808	-0.041162	-0.002201	0.023909	-0.031267	-0.049214	-0.010808	-0.032077	-0.051247	-0.004231	0.014532	0.004131	-0.001579
297	-0.004417	-0.005936	-0.040005	0.021588	0.006599	0.002752	-0.007482	0.022268	-0.000253	0.008166	0.004825	0.026295	0.004375	-0.013924
298	-0.013197	-0.031383	-0.020852	-0.051538	-0.046579	-0.005216	-0.010064	0.006514	-0.03273	-0.064499	-0.018558	-0.051387	-0.011066	-0.02913
299	-0.025645	-0.003936	-0.039724	0.011098	-0.01581	-0.019269	-0.00189	0.014613	-0.016537	0.030441	-0.0177	0.002445	-0.018927	-0.018065
300	-0.010295	-0.00641	-0.000441	-0.050364	-0.002008	0.004957	-0.005303	-0.006362	-0.029858	-0.071818	-0.005547	-0.047958	-0.021489	-0.095041
301	-0.004326	-0.010603	-0.019705	-0.014303	-0.015595	-0.01651	-0.001138	0.016531	-0.015391	0.001049	-0.01462	-0.001519	-0.000469	-0.0179
302	0.002897	-0.015602	-0.018104	-0.028346	-0.00005	-0.043396	-0.018401	-0.006393	-0.031919	-0.004039	-0.025104	-0.021058	-0.00406	-0.019795
303	-0.038021	-0.004122	-0.028046	0.00046	-0.005712	-0.001913	-0.021793	0.000731	-0.029648	0.024406	-0.02572	-0.032283	-0.032605	-0.018601
304	-0.023918	-0.012457	-0.04488	-0.015856	-0.022653	-0.022464	-0.011152	0.011917	-0.038553	0.011508	-0.018819	-0.018413	-0.030924	-0.017464
305	0.019394	0.012565	0.019393	-0.026814	-0.011918	-0.035142	0.023599	0.019843	-0.006416	-0.061151	-0.004246	-0.003407	-0.003544	0.002479
306	0.000918	-0.038143	-0.044996	0.051671	-0.02385	-0.015095	-0.010633	-0.005401	-0.00234	-0.049571	0.003918	0.022826	-0.024431	0.005722
307	-0.043461	0.005852	-0.060616	0.018434	0.001469	0.027551	0.01394	0.012419	-0.002279	0.041025	0.026513	0.095819	-0.017513	0.001823
308	0.020636	-0.00763	-0.004155	-0.041875	-0.016659	0.010036	0.031765	0.018462	0.006489	-0.082398	0.003306	0.077604	-0.003449	0.026225
309	-0.042578	-0.014222	0.012015	-0.026698	0.010416	-0.011307	-0.041428	-0.039504	-0.020114	-0.009876	-0.012639	-0.005746	-0.022542	-0.025552
310	-0.037041	-0.020414	0.010445	-0.043422	-0.008093	-0.013728	-0.037701	-0.038464	-0.026081	0.028901	-0.00611	-0.039922	-0.015708	0.005533
311	-0.018481	-0.024743	-0.019345	0.026934	-0.017894	0.005434	-0.013613	-0.033475	-0.019251	0.001123	-0.018644	0.004547	-0.026865	-0.042263
312	-0.009526	-0.022944	0.008768	-0.025379	-0.039061	0.040702	-0.00636	-0.008628	-0.007699	-0.058201	-0.024333	0.006601	-0.032759	0.043239
313	-0.019374	-0.031085	-0.009576	0.030071	-0.024978	0.02853	-0.01482	-0.026852	-0.01101	-0.010683	-0.019434	0.009706	-0.019405	-0.000275
314	-0.021983	0.021617	-0.032352	-0.043134	-0.048499	0.001915	0.024425	0.023622	0.033493	-0.053172	0.013811	-0.006674	0.004034	0.046757
315	-0.06276	-0.015854	-0.005273	0.007295	-0.003989	0.017153	-0.035873	-0.019144	-0.016732	-0.004642	-0.018448	0.015932	-0.040071	-0.004044
316	0.000447	-0.018399	0.040773	-0.071033	0.0024	-0.03835	-0.021942	0.02115	-0.000342	-0.062038	0.017953	-0.009848	0.002995	-0.016127
317	-0.047347	-0.026533	0.016596	-0.022849	0.00994	0.017401	-0.037599	-0.034515	-0.015048	-0.005256	-0.015366	-0.006164	-0.010681	-0.016022
318	-0.044875	-0.034881	-0.008261	-0.016649	-0.017206	0.016412	0.001709	0.007757	-0.017174	0.067491	-0.010207	0.032379	-0.00302	0.00801
319	0.917386	-0.033939	0.005132	0.014416	0.002528	0.032196	-0.038585	-0.01913	-0.016948	0.024673	-0.017922	0.002187	-0.028988	-0.025622
320	-0.032843	0.89221	-0.009777	0.016007	-0.023655	0.024798	-0.011818	-0.011745	-0.022608	-0.013137	-0.02196	-0.001716	-0.02184	-0.020976
321	-0.005797	-0.012478	0.882484	0.005376	-0.039369	0.00435	-0.011564	0.01111	-0.016753	0.001705	-0.022723	-0.019512	-0.014291	-0.018226
322	0.022355	0.011133	0.00182	0.699988	-0.059744	-0.022137	0.019263	0.034453	-0.014451	-0.088781	0.001801	-0.086537	0.010329	-0.018267
323	-0.011647	-0.03282	-0.058788	-0.040545	0.853473	0.056976	0.037367	0.033899	-0.029195	-0.016225	-0.057832	-0.035869	-0.013925	0.033455
324	0.028745	0.020006	-0.000048	-0.024141	0.042502	0.806341	-0.015853	-0.018684	-0.004142	-0.02382	0.020421	0.0078	-0.006337	-0.011812
325	-0.032383	-0.003667	-0.005013	-0.002276	0.044189	-0.02845	0.90826	-0.060706	-0.021264	-0.014249	-0.007904	-0.023579	-0.032618	-0.033657
326	-0.014103	-0.000023	0.018989	0.027709	0.029061	-0.019515	-0.054804	0.836604	-0.020805	-0.022738	-0.038758	-0.044573	-0.051172	-0.084902
327	-0.018699	-0.025567	-0.018657	-0.009961	-0.023557	-0.000284	-0.025238	-0.022991	0.94784	0.007245	-0.043705	-0.012628	-0.030177	-0.006432
328	0.019582	-0.014517	-0.028146	-0.082089	-0.051652	-0.022805	-0.001979	-0.008312	0.000515	0.667145	-0.02328	-0.048649	-0.003595	-0.077337

	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU
329	-0.018652	-0.017184	-0.022392	0.006314	-0.04986	0.029517	-0.008027	-0.035974	-0.042178	-0.002357	0.914581	-0.023403	-0.026033	-0.00084
330	0.009905	-0.008111	-0.013352	-0.087751	-0.018893	-0.009966	-0.01974	-0.049272	-0.016349	-0.043649	-0.023088	0.749411	0.007802	-0.143145
331	-0.031954	-0.01787	-0.008965	0.001282	-0.010608	-0.00328	-0.038116	-0.055088	-0.027033	-0.013276	-0.029526	-0.000574	0.935082	-0.017797
332	-0.016242	-0.023518	-0.005485	-0.020102	0.033228	-0.025133	-0.019117	-0.073284	-0.004255	-0.059061	0.010521	-0.119252	-0.01688	0.735269
333	-0.036193	-0.016452	-0.002497	-0.010093	0.015494	-0.009479	-0.058449	-0.046951	-0.018866	-0.00398	-0.015572	-0.007445	-0.034142	-0.027807
334	-0.008473	0.018234	0.011361	-0.008091	0.017139	0.011596	-0.061965	-0.022586	-0.020898	-0.05703	-0.043402	-0.04532	-0.009106	0.031903
335	-0.044896	-0.033547	-0.000689	0.016944	-0.017235	0.009365	-0.041097	-0.058371	-0.022873	0.027878	-0.025413	-0.011531	-0.047633	-0.03324
336	-0.016141	0.001588	-0.030685	-0.053616	-0.016411	0.000396	-0.021199	-0.035574	-0.026619	-0.014849	-0.008899	-0.034163	-0.034456	-0.02581
337	-0.016452	-0.008876	-0.008116	-0.026449	-0.010774	-0.033841	-0.01089	0.013611	-0.007346	-0.041353	-0.007098	0.006658	-0.004638	0.008407
338	-0.003305	0.001508	0.002997	-0.004105	-0.022873	-0.021959	0.005715	0.02012	-0.04008	-0.059553	-0.021019	-0.040099	0.018815	-0.013092
339	-0.014721	-0.01712	-0.033756	-0.001016	-0.042318	0.030897	0.002364	-0.014168	-0.015866	-0.056068	-0.028974	-0.001522	-0.024776	-0.018731
340	-0.017414	-0.002127	0.011116	0.060521	0.006772	-0.01512	0.011557	-0.01146	-0.008833	0.014811	-0.017812	-0.010214	0.002905	-0.02936

	LV	LW	LX	LY	LZ	MA	MB	MC
1	0.006018	0.0338	0.024659	0.037438	0.050891	-0.029838	-0.019169	0.020219
2	0.015466	0.000656	0.037542	0.003748	-0.031836	0.000935	-0.0166	0.083849
3	-0.057554	-0.072726	-0.057803	-0.026222	-0.048667	-0.01246	-0.016246	-0.132245
4	-0.004373	-0.052277	0.059571	0.030274	-0.025765	0.005128	0.059742	-0.083963
5	-0.01632	-0.05858	-0.007954	0.026643	0.020784	0.144721	-0.034261	0.19011
6	0.030548	0.021664	0.006316	-0.04031	0.090578	0.036926	0.048821	-0.067784
7	0.081422	0.009308	0.090516	0.108832	0.032248	0.0903	0.006397	-0.051567
8	0.040303	0.052258	0.022583	0.041798	0.021114	-0.088371	0.001465	-0.129262
9	0.038529	0.113703	-0.005355	-0.080882	-0.101831	-0.007057	-0.117737	0.066608
10	-0.052556	-0.073158	-0.032079	0.014928	0.007966	-0.096851	0.07307	-0.031775
11	-0.009435	-0.002478	0.052467	-0.066292	0.036799	0.170403	-0.010446	-0.058301
12	-0.030408	-0.099169	-0.031872	-0.057451	-0.063556	0.21458	0.038473	0.05347
13	-0.037023	-0.056992	-0.01279	-0.006282	-0.014156	-0.063837	0.006931	-0.015312
14	0.026089	-0.071416	-0.032402	0.015812	0.052656	0.035975	0.033756	-0.003547
15	-0.020797	0.005432	-0.046568	-0.022491	-0.068975	0.005307	-0.060688	-0.118888
16	0.007276	0.026305	-0.020704	0.086669	-0.07574	-0.000909	0.021608	-0.098068
17	-0.074331	-0.059009	-0.092045	-0.007624	0.033341	-0.006346	-0.085893	0.056585
18	-0.053788	-0.021831	-0.078099	0.01163	-0.051513	-0.056107	0.081627	0.088686
19	-0.000515	-0.027726	0.009087	-0.025132	0.012874	-0.076264	-0.044064	-0.008591
20	-0.017607	0.07839	-0.038781	-0.010066	-0.075635	0.0701	0.003414	-0.058047
21	0.005254	-0.017004	-0.011404	-0.009601	0.005924	-0.029359	0.070036	-0.065134
22	0.00072	-0.160159	0.004301	-0.018267	-0.005639	-0.075276	-0.016525	0.049925
23	0.049677	0.070751	0.044566	0.082306	-0.034084	-0.060472	0.033978	-0.045079
24	0.014263	0.086786	0.0223	0.046297	0.048208	0.127752	-0.015432	0.212007
25	0.021564	0.013743	-0.00676	-0.028209	-0.002917	-0.079094	0.092559	-0.024005
26	-0.012113	-0.064496	-0.018247	0.065414	-0.071696	0.042493	-0.045436	-0.064595
27	0.016836	0.039261	0.005572	0.00267	-0.012578	-0.02796	-0.003214	-0.00917
28	-0.04633	-0.053216	-0.011638	-0.038149	-0.06709	0.018077	-0.034322	-0.072366
29	0.002022	0.019239	0.013183	-0.007631	0.023399	0.045069	-0.003386	-0.01988
30	0.003419	-0.034673	0.003255	-0.015025	-0.043577	0.033144	-0.068598	-0.069863
31	-0.015667	-0.010996	0.011577	-0.056738	0.079418	-0.008788	0.029316	-0.055857
32	0.062377	0.041519	0.035936	-0.01005	-0.043343	-0.027804	-0.018648	0.058896
33	0.006491	0.023295	-0.001109	-0.003963	-0.070655	-0.081291	0.027595	-0.148789
34	-0.030975	0.2012	-0.040407	-0.056827	0.049678	0.025008	0.057617	-0.03628
35	-0.020236	-0.002831	-0.067203	-0.059003	-0.007202	0.145272	-0.019772	0.100963
36	-0.088778	-0.066424	-0.017077	-0.08817	0.053731	0.001091	-0.055337	0.005107
37	-0.00724	0.039091	0.015676	-0.060444	-0.012963	-0.102737	-0.027864	0.1698
38	-0.054138	-0.012988	0.007411	-0.034329	-0.021478	-0.037555	-0.03205	0.084002
39	-0.013652	0.017607	0.008787	0.151848	0.008833	0.04036	-0.011296	0.023142
40	-0.001877	0.0251	0.000392	0.006598	0.009293	-0.002825	-0.009644	0.015137
41	-0.05255	-0.178566	-0.033812	-0.0182	0.000921	0.001975	-0.02768	-0.017376

	LV	LW	LX	LY	LZ	MA	MB	MC
42	0.053233	0.080356	0.03305	-0.037539	0.013614	-0.047507	0.002772	-0.081076
43	0.015389	-0.001318	-0.001314	0.005722	-0.029268	-0.006103	0.013016	0.038094
44	-0.000144	0.062779	0.002312	-0.015113	0.005118	0.033558	0.022686	0.028834
45	0.003746	0.081112	0.031233	-0.006961	-0.020683	0.0469	-0.105601	0.007501
46	-0.019216	-0.12294	0.055978	-0.017975	-0.017405	-0.007535	0.000904	0.001969
47	-0.040228	0.038833	-0.048045	-0.016527	-0.032638	0.064486	0.000925	-0.133909
48	0.053563	-0.049869	0.005057	-0.003914	-0.02223	-0.08376	0.026062	0.009448
49	0.012931	-0.029418	-0.0065	0.035433	-0.039546	0.039151	0.006045	0.001784
50	0.006483	0.138377	0.020982	-0.040039	0.046823	0.02754	0.070992	-0.084204
51	0.009473	-0.110196	0.058131	-0.037818	-0.003019	-0.094402	0.033784	-0.00503
52	-0.009829	-0.023453	-0.023788	-0.033073	0.046508	-0.017288	-0.010921	-0.022264
53	-0.017497	0.079697	0.001066	-0.084864	0.051652	0.078375	0.040205	0.154205
54	0.003008	-0.060122	-0.027853	0.109176	0.037946	-0.008935	0.086082	-0.020581
55	-0.006052	-0.006688	-0.079632	0.028738	0.081785	0.01853	-0.048032	0.043641
56	0.019507	-0.011508	0.041515	-0.049253	-0.032508	-0.088408	-0.097486	0.034283
57	-0.094823	-0.023597	-0.055604	-0.052849	-0.037317	0.012001	-0.015333	0.014049
58	0.00839	0.03079	-0.018543	-0.077943	-0.006333	0.016805	0.061964	-0.068391
59	0.001749	0.081025	-0.089046	-0.028131	0.104576	0.032376	-0.019196	0.145261
60	-0.006102	-0.006173	0.004381	-0.028379	-0.015175	0.016656	-0.001621	0.020234
61	0.009626	0.023579	0.002132	0.029314	0.009307	-0.007267	0.002147	0.017354
62	-0.007404	-0.023206	0.000757	-0.041649	-0.022821	-0.005348	0.016332	-0.041426
63	0.008058	-0.019217	0.006301	0.030398	-0.010965	-0.015498	-0.011406	0.006212
64	-0.00391	0.01544	-0.017105	0.015903	0.000769	0.007547	0.003076	0.000915
65	0.008978	-0.007382	0.011834	0.019739	-0.01868	0.004333	0.012648	-0.029808
66	-0.00809	0.002096	0.00751	0.005873	0.002009	0.007365	-0.024452	0.026058
67	-0.016165	-0.012625	-0.0235	-0.022109	0.016599	0.003571	-0.008005	0.011493
68	-0.023019	0.007719	-0.030324	-0.040579	-0.020718	-0.023697	0.006153	-0.005255
69	0.004239	0.035008	-0.008107	0.000526	0.010154	0.023132	-0.007758	0.001925
70	0.003727	0.031002	0.017299	-0.005276	0.007859	0.018548	-0.005607	0.020623
71	0.008129	-0.030773	0.017596	0.006069	-0.024323	0.024355	0.016382	-0.005967
72	0.008012	-0.031649	0.002397	0.023185	-0.01447	0.076574	0.000419	-0.011747
73	0.011115	-0.022963	0.005062	-0.002211	0.001861	0.037211	-0.008305	-0.03183
74	0.01601	0.001694	0.019782	0.01384	-0.007715	0.016147	0.026675	0.001584
75	0.001063	-0.0168	0.009763	0.006662	-0.003984	0.006617	0.009582	0.012227
76	0.00337	-0.026583	0.018287	0.022206	-0.027676	0.021019	0.007	0.006285
77	0.004565	-0.000646	0.01255	0.000178	-0.003929	0.007226	0.00514	0.016685
78	0.005638	-0.00366	0.005758	-0.004785	0.005768	0.003184	0.004366	0.049623
79	-0.007162	0.016184	0.006272	0.004514	0.005178	0.023885	0.017799	-0.013381
80	0.00607	0.024091	-0.012172	0.040053	0.053545	-0.033789	0.015883	-0.025742
81	0.034019	0.040443	0.000221	0.027924	-0.029467	-0.015951	0.006819	-0.069165
82	-0.007021	0.001385	0.008138	0.007652	0.006854	0.028217	-0.000861	0.031777

	LV	LW	LX	LY	LZ	MA	MB	MC
83	-0.009508	-0.009035	0.000375	0.022347	0.0032	0.002136	0.006704	0.014713
84	0.005112	-0.008416	0.012202	0.016912	0.009058	-0.014669	0.004655	-0.012108
85	0.008856	-0.001888	-0.001266	0.035988	0.033276	-0.027002	0.049292	-0.057796
86	-0.006641	-0.019358	0.00967	0.02699	-0.008239	0.020204	0.017346	-0.0305
87	0.00694	0.003719	0.01584	0.025247	0.026669	-0.012346	0.020407	-0.020541
88	-0.003553	0.014888	-0.005422	0.005493	0.016105	-0.001935	-0.007122	0.029301
89	-0.00759	0.007028	-0.009596	-0.008239	0.014581	-0.007568	0.000418	0.03606
90	-0.000266	-0.002069	-0.002506	0.013619	0.011909	-0.00176	0.005485	0.016141
91	-0.003333	-0.001083	0.00337	0.01903	0.011981	0.014654	-0.005192	0.012606
92	0.031719	0.024064	0.013038	0.02921	-0.006726	0.018155	-0.01273	0.004446
93	-0.005615	-0.016598	-0.000677	0.010229	-0.016458	-0.001175	-0.003954	-0.019827
94	0.005533	-0.012976	0.009431	0.022063	-0.008281	0.032374	-0.01635	0.036265
95	-0.003821	-0.009278	-0.007929	-0.004101	0.018063	0.00792	0.006935	-0.044031
96	0.001899	0.007631	0.023582	-0.026076	0.030619	0.017537	-0.010683	0.02161
97	0.002711	0.01762	-0.012931	0.022235	-0.005584	0.025136	0.020405	0.000231
98	0.006946	-0.002528	0.006126	0.02046	0.003142	0.023822	0.004843	-0.015254
99	-0.007363	0.001443	-0.008057	0.008103	0.004037	0.006122	0.004892	-0.01157
100	0.004428	-0.007457	0.009441	-0.003989	-0.000239	0.026276	0.00058	-0.014918
101	-0.000336	-0.011483	-0.004887	0.005306	-0.009179	0.016825	0.007925	-0.022316
102	0.016879	-0.009341	0.012307	0.025175	0.045875	-0.010226	0.008616	-0.008312
103	-0.0035	0.014172	-0.017829	-0.001961	0.020071	0.013813	0.020933	-0.000276
104	0.010435	-0.039413	0.001579	-0.008209	0.004496	-0.014632	0.015858	-0.030448
105	0.000907	-0.025013	0.001116	-0.059292	-0.015201	-0.078969	-0.030675	0.036934
106	-0.013219	-0.03321	0.001994	-0.008411	0.00211	-0.000296	-0.016791	-0.024754
107	0.00241	-0.014248	-0.001855	0.002247	-0.000813	-0.010344	-0.009969	0.019942
108	-0.003	0.029532	-0.00254	0.004052	0.019517	-0.017779	0.011751	-0.025527
109	0.00153	-0.097996	-0.017676	0.010411	0.009867	-0.052266	-0.038561	0.023606
110	0.013264	0.024538	0.024072	0.023145	0.037791	0.031916	0.0176	-0.020506
111	0.000386	-0.004101	0.024661	0.048192	0.040326	0.000828	-0.015662	-0.00205
112	-0.003479	0.035762	-0.008139	-0.005454	0.004735	-0.000551	-0.023974	0.005953
113	0.011786	-0.015805	0.006689	-0.005045	0.029443	-0.022694	-0.035081	0.0175
114	0.017282	0.058534	-0.008494	-0.020304	-0.016693	-0.020093	-0.018351	-0.008755
115	-0.023579	-0.062047	0.024005	-0.007172	-0.02817	0.001368	-0.002589	-0.025487
116	-0.003605	0.036187	-0.043387	0.035338	-0.038067	0.037974	-0.009168	-0.005421
117	0.023548	-0.005498	0.038748	0.025844	-0.00437	0.01884	0.004433	-0.030823
118	-0.002003	0.036792	0.00218	-0.033834	0.027777	0.001432	0.031763	-0.034877
119	-0.001447	0.009268	-0.003385	-0.004013	-0.002153	0.021714	-0.035433	-0.005816
120	-0.00309	0.019746	-0.010117	0.001378	-0.004775	0.032484	-0.005057	-0.015139
121	-0.026946	-0.015054	-0.013869	0.048498	0.006813	-0.018393	-0.01999	0.013132
122	0.000093	-0.014154	0.00952	0.013064	0.006468	-0.038649	0.005541	-0.05112
123	-0.011762	-0.005052	-0.003721	-0.006412	0.001344	-0.032433	-0.019002	-0.00538

	LV	LW	LX	LY	LZ	MA	MB	MC
124	0.008929	0.026275	0.00104	0.003726	-0.010447	0.00169	-0.015533	-0.008141
125	-0.008366	-0.003571	0.003629	-0.011297	-0.008227	-0.034308	0.016435	0.028565
126	0.017904	0.003965	0.018489	0.013053	0.0129	-0.036418	-0.003741	-0.003059
127	0.01296	-0.001761	0.016954	0.013535	-0.001859	-0.018881	0.010799	-0.002175
128	0.011001	0.008678	0.023444	-0.024213	-0.006973	0.010158	0.002949	-0.001983
129	0.017745	0.034977	0.005038	0.002978	0.041524	-0.029103	-0.000098	-0.043398
130	-0.02238	-0.044386	-0.005736	-0.00668	-0.024011	0.013196	0.01106	0.005187
131	0.013372	0.030243	-0.006316	-0.000163	0.017013	-0.028328	0.000264	0.041549
132	0.008265	0.007538	0.010888	0.001204	0.002202	0.037456	0.01066	0.021106
133	0.003932	-0.045374	0.004603	0.020974	-0.000343	0.030506	0.015348	-0.027909
134	-0.004255	-0.019322	0.013913	0.016908	-0.000421	-0.059987	-0.000721	0.049166
135	-0.011	-0.025292	-0.019532	-0.014637	-0.00461	0.020176	-0.004649	0.050967
136	-0.004304	-0.021822	0.013239	0.011814	0.004724	0.045105	0.001977	0.010504
137	0.000053	-0.012522	0.00363	-0.032342	0.014588	-0.003884	0.024966	0.010465
138	-0.018284	0.008791	-0.009756	0.015446	-0.049554	-0.016036	-0.011518	-0.05411
139	0.002623	-0.021611	-0.017451	0.001557	0.052941	0.042017	-0.012775	-0.004679
140	-0.012144	0.027822	0.008044	-0.031885	0.008894	0.018876	0.015482	-0.031274
141	-0.02042	0.016093	-0.020012	-0.054241	-0.028064	-0.002977	-0.015149	0.016595
142	-0.002391	0.000318	-0.005053	0.043691	0.005427	-0.01688	-0.010911	-0.01545
143	-0.008352	-0.04163	-0.007562	0.008554	-0.02724	-0.033086	-0.011936	-0.0304
144	-0.023339	0.00531	-0.031762	-0.002207	-0.005923	0.017697	-0.047733	0.01435
145	0.003953	-0.023064	0.008798	0.01348	-0.001385	0.047144	-0.024985	0.016546
146	0.006269	0.020945	-0.007944	0.008775	0.004373	0.00321	0.011171	0.014819
147	0.007952	-0.076028	0.003606	0.025873	-0.004149	-0.046931	-0.032779	-0.036621
148	-0.009259	0.020557	0.004221	-0.031544	0.02464	0.01551	0.027736	-0.052057
149	-0.009193	0.004436	0.000891	-0.034046	-0.012134	0.002752	0.005508	-0.009302
150	0.012389	0.019895	-0.006915	0.026573	-0.011654	-0.021375	0.036076	-0.001953
151	-0.01549	-0.048648	-0.029119	-0.014118	0.013638	0.018568	-0.005215	-0.061395
152	-0.010451	0.022024	-0.007374	0.02445	0.015071	0.006137	-0.017825	0.032645
153	0.001411	0.035967	-0.016352	0.009984	0.016756	-0.010632	0.005902	-0.001615
154	0.004611	-0.037991	0.001736	0.044128	-0.001585	-0.008323	-0.028826	0.035632
155	0.003689	0.04251	0.003517	0.042813	0.01941	-0.016314	-0.006115	0.012767
156	0.001233	-0.051255	0.004981	0.026944	-0.028886	-0.033425	-0.028914	-0.007073
157	0.004601	0.004759	0.002835	0.015105	-0.005562	0.017134	0.004948	-0.024526
158	-0.008017	-0.020841	0.004638	0.013612	-0.004572	-0.04586	-0.006603	-0.016949
159	-0.014463	-0.032283	-0.021941	-0.036391	0.011834	0.03931	-0.041837	0.04527
160	0.008357	-0.012834	0.015711	-0.041202	0.004399	-0.007641	-0.009946	-0.075982
161	0.005771	0.029136	-0.009619	-0.016052	-0.012907	0.011138	-0.010017	0.00545
162	-0.014873	0.008635	-0.016948	-0.01596	-0.024484	0.033035	-0.009971	-0.021451
163	-0.00495	-0.023049	0.006038	0.02616	0.000006	-0.002229	-0.000365	0.006402
164	0.006533	-0.000511	-0.00935	-0.037848	0.020869	-0.020355	-0.028765	-0.034692

	LV	LW	LX	LY	LZ	MA	MB	MC
165	-0.009871	-0.010127	0.011742	0.032191	-0.03457	-0.05519	-0.023831	-0.031367
166	-0.001995	0.040547	-0.012534	-0.027152	-0.00813	-0.005696	-0.029366	-0.04128
167	-0.006435	-0.020982	0.002033	-0.0111	0.002996	0.013449	-0.024487	-0.004558
168	-0.001407	0.008668	-0.000338	-0.040471	-0.012745	-0.008162	0.0164	-0.039353
169	0.009975	0.016744	-0.008133	0.008857	-0.025441	0.00859	0.000969	0.01325
170	0.007377	0.023906	-0.011258	0.007138	-0.047743	0.030385	-0.005872	0.021989
171	-0.001306	0.050806	-0.018906	-0.017865	-0.020392	0.007426	-0.016676	0.041116
172	0.01075	0.01817	-0.019607	0.009654	-0.002213	0.015553	0.004047	0.00784
173	-0.000636	-0.003302	0.001897	-0.005328	0.005098	0.009362	0.008042	0.010299
174	0.001331	0.019287	-0.001671	-0.023845	0.006985	0.036191	-0.001364	0.052717
175	0.011745	0.075373	0.006589	-0.016323	0.015461	0.005929	0.011467	0.055514
176	-0.011588	-0.018326	-0.000589	0.014511	-0.027141	0.03425	0.001888	0.03039
177	0.006525	-0.030921	-0.010864	-0.033838	-0.004636	0.024445	-0.014927	-0.051167
178	0.016263	0.006135	0.021795	0.003692	0.01372	0.013448	-0.011444	-0.00836
179	0.001157	0.012962	0.007486	0.015614	0.0055	0.000826	-0.002859	-0.042505
180	-0.000978	0.009134	0.006809	0.004834	0.007318	0.020242	0.003916	-0.027807
181	0.004551	0.001832	0.008651	0.018136	0.002637	0.021162	-0.00028	-0.034651
182	0.000504	0.013224	0.003666	0.010675	0.000614	0.036401	0.002152	-0.046386
183	0.002366	0.0333	0.006151	0.000764	0.007267	-0.012319	-0.01939	-0.015609
184	-0.028087	0.02282	-0.010111	-0.015791	0.008263	0.03299	-0.04756	0.05028
185	0.001506	0.000942	0.003705	0.014068	-0.008948	-0.01386	0.011003	-0.053489
186	-0.010773	-0.005674	-0.022815	-0.038525	0.026178	-0.015867	-0.002568	-0.015281
187	-0.00091	-0.010131	0.008035	0.006774	0.010716	0.014707	0.004657	-0.002813
188	-0.004309	0.003862	0.000183	0.001826	0.00451	0.043858	-0.009322	0.028015
189	-0.014026	0.017888	-0.008917	0.004187	0.009741	0.053748	0.004217	0.034641
190	-0.022984	-0.001565	-0.005514	-0.04285	-0.029116	0.007358	-0.010507	0.002
191	-0.011077	-0.004885	-0.004693	-0.03608	-0.015118	-0.003214	0.001942	-0.025187
192	0.01692	0.044411	0.009338	0.009658	0.001824	-0.020109	-0.019062	-0.03403
193	-0.001018	0.026795	-0.00186	-0.026405	0.009028	0.007202	-0.021646	0.015025
194	-0.005594	0.011961	0.001502	0.006725	-0.013812	-0.027934	0.005595	0.003598
195	-0.00687	-0.017635	-0.012216	0.028769	0.011524	-0.017186	0.020559	-0.037989
196	-0.012863	0.003459	-0.011795	0.007394	0.008614	0.026028	-0.002555	-0.013536
197	-0.022321	-0.002958	-0.008416	-0.043998	-0.017883	0.013771	-0.010268	-0.000348
198	0.000507	-0.001697	-0.003761	0.006185	-0.007955	-0.042106	0.009292	-0.036763
199	-0.019741	-0.036708	-0.004293	-0.017082	-0.00532	-0.007551	0.002283	-0.005832
200	0.020944	0.000992	-0.016071	-0.008952	0.039981	-0.034367	-0.006954	0.021966
201	0.009365	-0.062827	0.016201	0.003017	-0.040146	-0.059134	0.007284	-0.043795
202	0.010803	-0.040246	0.00902	-0.003234	0.00209	-0.056624	-0.022874	0.005683
203	0.003111	0.001841	0.023133	-0.017825	-0.052919	0.003122	-0.009397	-0.075466
204	0.008501	-0.030263	-0.014021	0.025962	-0.036623	0.065469	-0.036294	-0.034132
205	-0.054362	-0.086858	-0.00984	-0.004198	0.040569	-0.012342	0.01436	0.036501

	LV	LW	LX	LY	LZ	MA	MB	MC
206	0.009309	-0.023021	0.022941	0.021533	0.000756	-0.058732	0.003196	0.035786
207	0.011321	0.004188	0.001683	0.010003	0.004423	0.020955	-0.017782	-0.066839
208	-0.010981	-0.053286	-0.003182	0.003784	-0.020401	-0.03352	-0.022903	0.015555
209	-0.014171	-0.039502	-0.001998	0.052745	-0.03093	0.016722	-0.025705	0.010059
210	0.027672	0.034967	0.027711	-0.00864	0.083021	-0.039215	0.032937	-0.05369
211	0.029343	0.021558	0.004909	0.023593	0.037268	-0.035457	0.004988	0.044863
212	0.000387	0.037402	-0.047168	0.027359	0.027395	0.027138	-0.017902	0.087799
213	0.019805	0.062695	0.024374	-0.029146	0.019769	0.019634	-0.028373	-0.064121
214	0.007356	0.014038	0.002861	0.008826	0.014276	0.001945	-0.000095	-0.004659
215	-0.0043	-0.02889	-0.021506	-0.007557	0.065764	-0.021134	0.004966	0.006511
216	-0.010221	0.018272	-0.012919	-0.045487	0.029663	0.019904	0.01121	0.013209
217	0.004509	-0.020663	0.013958	0.003908	-0.001616	-0.057266	0.009632	-0.00627
218	-0.006508	-0.031398	-0.020217	-0.011822	0.011894	0.008753	0.006394	0.045669
219	-0.005414	-0.008194	-0.017699	-0.006555	0.009356	-0.011117	0.00002	0.009364
220	0.001331	-0.015889	-0.00139	0.002272	-0.021009	0.000031	0.026893	0.00369
221	-0.000246	-0.021873	0.003112	0.018513	0.002948	-0.011452	0.015203	-0.029456
222	-0.006424	-0.013785	-0.006337	0.016165	0.008826	-0.009267	0.002324	-0.010359
223	0.002976	0.011767	-0.003267	-0.000225	0.005269	-0.001562	0.016197	-0.013512
224	0.006102	0.018867	0.002363	-0.023129	0.015962	-0.023209	-0.016078	0.033309
225	0.013657	0.023518	0.001351	-0.015984	0.009274	-0.036691	-0.011351	0.017107
226	-0.013246	0.003837	-0.015084	0.001141	-0.002654	-0.001418	-0.010867	-0.004563
227	-0.01013	0.022496	-0.001959	-0.024892	0.023153	-0.012243	0.010617	0.003809
228	-0.007237	0.026449	-0.008947	-0.017901	0.001101	0.013339	-0.017627	0.020779
229	0.015112	-0.04199	0.005901	0.007235	-0.027098	0.010547	-0.002122	-0.005119
230	0.008598	0.005895	0.00828	-0.034474	0.020303	-0.024773	0.018709	-0.01357
231	-0.005244	0.005724	0.004194	0.023878	0.000043	0.0137	0.000383	-0.021503
232	-0.00794	0.016189	-0.005849	-0.001771	0.014513	-0.035015	-0.012075	0.009012
233	0.01284	-0.014306	-0.003479	0.017526	0.037215	-0.02516	0.017558	-0.017437
234	0.000614	0.009137	-0.005579	0.006294	0.003425	0.024598	0.002807	0.036578
235	0.002709	-0.017302	-0.012295	0.045444	0.002445	0.023587	-0.014053	0.035327
236	-0.006444	0.034184	0.004973	-0.006524	0.014624	-0.011926	-0.001011	0.019452
237	-0.004909	0.000388	-0.003508	-0.032766	-0.0115	0.004736	-0.018217	-0.010027
238	0.000347	-0.007564	0.000775	-0.010595	0.00794	-0.021892	-0.007976	-0.000731
239	0.007367	-0.004505	0.014091	0.019044	0.023668	-0.019877	-0.005681	-0.000124
240	-0.005655	-0.00763	0.00833	0.001817	-0.010398	-0.010445	-0.017127	-0.005302
241	0.004985	-0.001344	-0.010175	0.004699	0.019325	0.009125	-0.010388	0.02051
242	-0.001713	-0.021477	0.008231	0.021419	0.011637	0.012833	-0.003249	0.007066
243	0.003429	-0.007279	-0.012294	0.016837	-0.002297	-0.001455	0.006977	-0.032935
244	0.014719	0.001159	0.015799	0.020415	0.014419	-0.024706	0.019709	-0.017729
245	0.016147	-0.006073	0.014151	0.015352	0.007304	0.001766	-0.000899	-0.001007
246	0.001876	-0.022092	0.008951	-0.004352	-0.010617	0.024952	0.009274	-0.001846

	LV	LW	LX	LY	LZ	MA	MB	MC
247	0.001574	-0.002754	0.009582	-0.002176	-0.001526	-0.004906	0.020605	-0.02321
248	-0.005103	0.010596	-0.003968	0.001582	0.007752	-0.019038	0.0139	-0.012905
249	-0.005465	-0.001995	-0.00735	0.008443	-0.023244	-0.029266	-0.010644	-0.004379
250	-0.000209	0.017507	0.012838	-0.012841	-0.007448	0.005741	-0.000555	0.007373
251	0.008771	-0.012863	0.009317	0.011802	-0.013708	-0.014918	-0.019243	-0.00066
252	0.010712	-0.016996	0.00972	0.029685	-0.001884	-0.012631	-0.013216	-0.030975
253	0.003748	0.038269	-0.017308	0.00031	-0.013833	0.014507	-0.006642	0.026556
254	0.013215	0.035314	0.002002	0.007325	0.000017	0.015629	0.017187	-0.004805
255	0.010399	-0.003241	0.010216	0.006373	-0.01526	0.013908	0.019784	-0.015463
256	-0.006798	-0.031101	-0.009399	-0.026869	-0.032058	0.079921	-0.003135	0.014526
257	-0.00628	-0.002691	0.00265	0.012781	-0.006681	0.011651	0.00078	-0.013914
258	-0.008762	0.006437	-0.01997	0.00746	0.017368	0.019624	0.001571	0.024688
259	0.005595	0.029399	-0.000276	0.005007	-0.00145	0.005154	-0.002026	-0.009882
260	0.004385	0.028607	0.012527	0.018682	-0.014957	-0.00229	0.009087	-0.050883
261	-0.00673	-0.015016	0.009337	0.015681	-0.015618	0.006666	-0.007983	-0.029556
262	0.003585	-0.012167	0.022529	0.01333	-0.002412	-0.014543	-0.015727	0.011191
263	0.009824	0.010861	0.01676	0.015644	0.001726	-0.019617	-0.012012	0.004552
264	0.000742	0.034817	-0.013161	-0.002426	-0.002838	0.029341	0.001523	0.012144
265	0.003064	0.049478	-0.017316	-0.008393	-0.008239	0.032482	0.02187	-0.007561
266	-0.001839	0.011335	-0.008652	0.00538	-0.019076	0.020997	0.025675	-0.032927
267	-0.008758	-0.006379	-0.006642	-0.02644	-0.00266	0.04399	-0.0032	0.050351
268	-0.014496	0.010285	-0.017596	-0.000332	0.002867	0.003605	-0.01005	0.006901
269	-0.018533	-0.002728	-0.022794	0.00068	-0.004172	-0.004436	-0.005869	0.002396
270	-0.019288	0.014615	-0.010195	-0.009951	-0.002988	-0.004175	0.003157	0.000323
271	0.005252	-0.027534	0.014062	0.010855	-0.034849	-0.025712	-0.00085	-0.009215
272	0.012549	-0.023353	0.007459	0.010774	-0.035631	0.007985	-0.015397	-0.01044
273	0.01065	0.016392	0.006395	0.007071	-0.000735	-0.036211	0.00336	-0.019134
274	0.010565	0.01608	0.005163	0.009399	-0.0032	-0.032592	0.005152	-0.023913
275	-0.00429	0.018447	0.010403	-0.032787	0.016097	-0.036931	0.031215	-0.018797
276	-0.004979	0.017653	0.010237	0.005122	0.005674	0.013306	-0.007492	0.026656
277	0.00314	0.026337	0.008296	0.00488	0.02348	0.008073	-0.00601	0.017807
278	0.004585	0.026148	0.008315	0.00067	0.023905	0.007335	-0.009398	0.02923
279	0.002207	0.01075	0.015164	0.013978	0.013541	-0.025557	-0.012849	0.005714
280	0.003086	0.028026	-0.018141	-0.001105	0.008658	0.014469	0.017914	0.005592
281	0.011949	-0.008151	0.001197	-0.003692	-0.01937	0.030328	0.005117	0.004658
282	0.011434	-0.017413	-0.000793	0.001041	-0.008601	0.023009	0.012923	0.025082
283	0.002795	0.016344	0.006956	-0.006335	-0.005939	-0.008254	0.01053	-0.009832
284	-0.009127	0.001381	-0.00751	-0.003304	-0.008927	0.017255	-0.012563	0.007415
285	-0.006177	-0.008112	-0.002751	0.004619	-0.007966	0.008169	-0.006831	0.013849
286	0.001507	-0.01141	-0.02167	0.007832	0.014544	0.031127	-0.007133	0.015252
287	-0.002435	-0.01397	-0.021968	0.006178	0.012631	0.020637	-0.000598	0.019953

	LV	LW	LX	LY	LZ	MA	MB	MC
288	-0.014646	0.006702	-0.011639	-0.009458	0.00583	0.028878	-0.014361	0.059812
289	-0.000003	0.000467	0.014448	0.011678	-0.00862	-0.008689	0.004398	0.020857
290	-0.002537	-0.001652	-0.002917	-0.014021	-0.02542	0.014003	-0.029434	0.028812
291	-0.001791	-0.001659	-0.001635	-0.013678	-0.025667	0.015143	-0.0263	0.020452
292	0.001158	-0.016796	0.00524	-0.00668	-0.026861	0.009438	-0.029621	0.014508
293	-0.012275	0.044926	-0.004507	-0.021507	-0.011525	0.033565	-0.019927	-0.012488
294	-0.024444	-0.010633	-0.02048	-0.022059	0.000993	0.003698	-0.005533	0.019147
295	-0.000131	0.019871	0.016025	-0.008614	-0.030064	-0.003837	-0.010782	-0.025979
296	-0.01284	-0.016555	0.012635	-0.009676	-0.034487	-0.055748	0.016258	-0.042593
297	-0.0036	0.00489	0.011501	-0.001083	-0.033717	0.0289	-0.015866	-0.019589
298	-0.006482	0.005917	-0.011068	-0.031935	-0.015055	-0.068532	-0.010062	-0.008656
299	-0.005701	0.023921	-0.011403	-0.017266	-0.042233	-0.00086	-0.016141	-0.038053
300	-0.012392	0.030236	-0.008438	-0.033482	0.006497	0.0074	-0.02436	0.006282
301	-0.014406	0.010888	-0.006132	-0.019166	-0.03665	-0.005773	-0.023127	0.009873
302	-0.015935	-0.019563	-0.003256	-0.010286	-0.017019	-0.025847	-0.008664	0.006187
303	-0.00623	-0.018084	-0.018159	-0.009892	-0.020436	-0.025408	-0.003727	-0.032961
304	-0.007954	0.009584	-0.021275	-0.034647	-0.019884	-0.03063	-0.020817	-0.005804
305	0.018008	-0.003478	0.015632	-0.00916	-0.00555	-0.005164	-0.01005	-0.044601
306	-0.020324	0.006074	-0.019434	-0.041358	-0.043482	0.020047	-0.029202	-0.046659
307	-0.010565	0.064836	-0.036189	-0.013003	-0.015194	0.005768	-0.03885	0.028439
308	0.01766	-0.00303	0.023809	0.010522	-0.054192	-0.050095	-0.020101	-0.042334
309	-0.038448	-0.020144	-0.034684	-0.03026	-0.007919	-0.003768	-0.002127	0.012368
310	-0.016392	0.000373	-0.036817	-0.030068	-0.003021	-0.054715	0.032729	-0.013983
311	-0.021478	0.03412	-0.029405	-0.013871	0.002538	-0.007034	-0.025977	0.008515
312	0.007194	-0.101947	-0.014478	0.010038	-0.033042	0.033153	-0.055336	0.000061
313	-0.015003	0.000503	-0.026006	-0.016104	-0.005445	0.024482	-0.012831	0.013704
314	0.015528	0.006586	0.001199	-0.039265	0.002216	0.029567	-0.011621	0.031723
315	-0.033627	-0.026846	-0.032242	-0.017506	-0.019473	0.017129	-0.006458	-0.018316
316	-0.02192	0.016652	-0.000817	-0.019353	-0.05344	-0.001395	0.035282	0.006488
317	-0.036929	-0.004387	-0.025191	-0.026786	-0.017658	0.013403	-0.00117	0.007341
318	-0.029887	0.024879	-0.017669	-0.012369	-0.01595	-0.004265	-0.010074	-0.031413
319	-0.038735	-0.013842	-0.049376	-0.01357	-0.016504	0.009163	-0.000102	-0.00606
320	-0.021359	0.014614	-0.038491	0.000125	0.008189	0.013086	-0.01153	0.01196
321	-0.015195	0.018338	-0.007177	-0.02944	-0.005818	0.030348	-0.0324	0.033384
322	0.009442	0.001741	0.025585	-0.035159	-0.015591	-0.046366	-0.007652	0.057468
323	0.011299	0.01946	-0.01349	-0.013949	-0.001004	-0.005033	-0.051108	0.020128
324	-0.009083	0.017642	0.004855	-0.00071	-0.030768	-0.034313	0.022697	-0.019958
325	-0.056588	-0.062816	-0.040905	-0.01708	-0.009871	0.011465	0.016395	0.004358
326	-0.042829	-0.02361	-0.050923	-0.022375	0.012625	0.003854	-0.015763	-0.043692
327	-0.020223	-0.025144	-0.022501	-0.010401	-0.000319	-0.03074	-0.01527	-0.006328
328	0.005679	-0.042175	0.014517	-0.016692	-0.014208	-0.058983	-0.043365	0.020468

	LV	LW	LX	LY	LZ	MA	MB	MC
329	-0.010884	-0.039137	-0.017419	0.020538	-0.002072	-0.01421	-0.022271	-0.02631
330	-0.004909	-0.04231	-0.001619	-0.020267	0.015401	-0.033004	-0.001953	-0.014494
331	-0.041082	-0.026511	-0.044732	-0.021391	0.003094	0.01632	-0.024289	0.000952
332	-0.027038	0.054886	-0.037843	-0.021021	0.015988	-0.023123	-0.016948	-0.012044
333	0.934163	-0.043952	-0.043486	-0.026927	-0.009995	0.014065	-0.008266	0.012836
334	-0.036475	0.726255	-0.005268	0.030214	-0.029628	-0.024904	-0.004635	-0.014259
335	-0.04574	-0.006876	0.919861	-0.018946	0.006715	0.023378	-0.01068	0.0284
336	-0.038481	0.008207	-0.027901	0.858255	-0.003064	0.000793	-0.025043	0.021223
337	-0.009541	-0.031433	-0.008498	-0.003364	0.873452	-0.015811	-0.02387	-0.047374
338	0.019251	-0.038953	0.021076	0.010616	0.000868	0.738277	0.013979	-0.07591
339	-0.016745	-0.018486	-0.011618	-0.009654	-0.022557	0.015789	0.886852	0.042981
340	0.016356	-0.015806	0.014177	0.01762	-0.040625	-0.060748	0.057435	0.638652

Appendix B4

PCA Transformation Matrix (82 x 82; Normal/Diseased)

	A	B	C	D	E	F	G	H	I	J	K
1	409.4/255.3>GPA:Lyso 16:0	0.114759	-0.051905	-0.013778	-0.110977	0.221117	-0.057009	0.087631	-0.126223	0.080964	0.093727
2	437.4/283.3>GPA:Lyso 18:0	0.034866	0.088283	-0.011396	-0.136625	0.247874	0.151009	0.010982	-0.126	-0.038998	-0.198221
3	647.8/255.3>GPA:16:0/16:0	0.115239	-0.044186	0.14981	-0.193332	-0.039585	0.027614	0.053642	0.010153	0.090358	0.13925
4	673.8/281.3>GPA:18:1/16:0	0.055934	0.02702	0.213677	-0.186921	-0.196138	0.069761	0.024154	0.061457	0.031865	0.070003
5	699.8/281.3>GPA:36:2	0.055597	0.029329	0.210775	-0.189003	-0.212305	0.063259	0.042354	0.04886	0.014137	0.048541
6	701.8/283.3>GPA:36:1	0.044331	0.025896	0.219359	-0.18489	-0.204341	0.088021	0.030901	0.042881	0.007047	0.060986
7	703.8/283.3>GPA:36:0	0.088386	0.062411	0.188306	-0.205886	-0.057318	0.108775	0.068955	-0.011409	0.02078	-0.058672
8	721.8/281.3>GPA:16:0/22:5	0.143751	0.092109	-0.051878	-0.123848	0.143237	-0.033527	0.080881	0.005872	0.02188	-0.108493
9	723.8/283.3>GPA:18:0/20:4	0.047793	0.01543	0.194626	-0.20441	-0.191611	0.096465	0.057959	0.009987	0.009828	0.006154
10	731.8/283.3>GPA:38:0	0.112663	0.07029	0.149659	-0.213156	-0.015465	0.064339	0.06731	0.059256	0.027094	0.035105
11	757.8/281.3>GPA:40:1	0.102212	0.018106	0.173068	-0.135695	-0.211452	-0.053478	-0.030895	-0.037733	-0.019567	-0.070057
12	759.8/283.3>GPA:40:0	0.082457	0.030179	0.200883	-0.168812	-0.163533	0.120186	0.015696	0.017822	-0.036463	0.085138
13	483.4/255.3>GPGro:Lyso 16:0	0.116476	0.055434	-0.07137	-0.168625	0.219045	-0.002162	-0.01437	0.131646	0.022771	0.067748
14	507.4/279.3>GPGro:Lyso 18:2	0.084755	0.038955	0.004174	-0.161687	0.279516	0.003025	-0.068582	0.196936	0.083892	0.059977
15	509.4/281.3>GPGro:Lyso 18:1	0.036809	0.045452	-0.09925	-0.201575	0.187447	0.086097	-0.149794	0.138368	-0.146016	0.108618
16	511.4/283.3>GPGro:Lyso 18:0	0.099245	0.095536	-0.06473	-0.17404	0.218888	-0.012759	-0.03823	0.150967	0.054321	0.038387
17	743.8/279.3>GPGro:18:2/16:1	0.000306	-0.031251	0.067245	0.226988	-0.167013	-0.109876	-0.134992	0.148008	0.07772	0.063039
18	769.8/279.3>GPGro:18:2/18:2	-0.047362	-0.048801	0.149363	0.162023	0.066206	0.163835	-0.207282	0.082342	-0.152555	0.148842
19	771.8/279.3>GPGro:18:2/18:1	-0.010114	0.039716	0.122877	0.148986	-0.029076	-0.274197	0.171412	-0.003908	0.124022	-0.137025
20	773.8/279.3>GPGro:18:2/18:0	0.022783	0.159315	0.05515	-0.007967	0.171198	-0.17077	0.087029	0.218397	0.162282	-0.117904
21	775.8/281.3>GPGro:18:1/18:0	0.035719	0.152728	-0.101139	-0.159584	0.140089	-0.019483	0.088398	0.198872	-0.066928	-0.032275
22	777.8/283.3>GPGro:18:0/18:0	0.132216	0.109429	-0.032118	-0.10222	0.179947	-0.055154	0.070614	0.033115	0.042225	-0.094011
23	476.6/196.1>Lyso GPEtn:Lyso18:2a	-0.057273	-0.000286	0.234232	0.076985	0.169126	0.078949	0.071045	-0.138562	-0.002664	-0.128005
24	478.4/196.1>Lyso GPEtn:Lyso 18:1	-0.036966	-0.008666	0.178244	0.059122	0.144355	0.2527	-0.015708	-0.195836	-0.137145	-0.098874
25	480.4/196.1>Lyso GPEtn:Lyso 18:0	0.083195	-0.021459	0.023377	0.080471	0.078865	0.259405	0.02949	-0.119379	-0.093786	0.165049
26	500.4/196.1>Lyso GPEtn:Lyso 20:4	-0.077714	-0.101173	0.07984	0.022699	0.112746	0.261203	-0.102647	-0.142017	-0.125497	-0.147807
27	524.4/196.1>Lyso GPEtn:Lyso 22:6	-0.085276	-0.140801	0.059955	0.00748	0.091087	0.213403	-0.098063	-0.143522	-0.187517	-0.049772
28	520.4/184.1>GPCho:Lyso 18:2	0.043723	-0.070168	0.224968	0.089802	0.176074	-0.033108	0.052393	-0.048958	0.07763	0.1074
29	544.4/184.1>GPCho:Lyso 20:4	-0.019805	-0.230432	-0.006344	-0.064596	0.08485	0.029276	0.154131	-0.065453	0.03949	-0.029109
30	568.4/184.1>GPCho:Lyso 22:6	-0.027587	-0.224793	0.012989	-0.074323	0.08228	-0.107818	0.093568	-0.070711	-0.118583	0.226332
31	570.4/184.1>GPCho:Lyso 22:5	-0.042658	-0.205554	0.037287	-0.074979	0.104432	-0.102977	0.18357	-0.07623	-0.11503	0.171328
32	678.5/184.1>GPCho:28:0a	0.054681	0.115962	0.12006	0.058059	0.02265	-0.045942	0.185717	-0.095566	-0.217952	-0.039953
33	704.6/184.1>GPCho:30:1a	0.164259	-0.092	-0.040425	0.009194	-0.038398	-0.032556	-0.118678	-0.136694	0.132106	-0.000345
34	732.6/184.1>GPCho:32:1a	0.100536	0.061317	-0.160773	-0.017742	-0.07246	0.049648	0.181416	-0.124905	-0.105377	-0.02658
35	734.6/184.1>GPCho:32:0a	0.096861	0.063469	-0.173175	-0.051909	-0.163999	0.012087	-0.025338	-0.126321	-0.039239	-0.220284
36	742.6/184.1>GPCho:34:2p, 34:3e	0.051127	0.136408	0.151904	-0.044687	0.017705	-0.190119	-0.022666	-0.165526	-0.101818	0.07455
37	744.6/184.1>GPCho:34:1p, 34:2e	-0.069467	0.043493	0.242191	0.0071	0.091061	-0.156418	-0.112471	-0.079845	0.029719	-0.108582
38	748.6/184.1>GPCho:34:0e	0.081242	0.121693	-0.033754	-0.071782	-0.079615	-0.148515	-0.185889	-0.204608	-0.13649	-0.241832
39	756.6/184.1>GPCho:34:3a	-0.080158	0.234186	0.010982	0.037044	0.015483	-0.020846	-0.027672	-0.024561	-0.065869	0.046545
40	758.7/184.1>GPCho:34:2a	-0.042508	0.155796	0.022728	0.054399	-0.05808	0.093417	-0.228821	0.267954	0.007933	0.125095
41	762.6/184.1>GPCho:34:0a	0.0287	0.133212	-0.148055	-0.037131	-0.123136	0.028556	0.140236	-0.078607	-0.20011	-0.175819

	A	B	C	D	E	F	G	H	I	J	K
42	768.6/184.1>GPCho:36:3p, 36:4e	-0.118886	-0.125837	0.03275	-0.161874	0.036888	-0.094605	-0.134723	-0.085349	0.007288	-0.115642
43	770.6/184.1>GPCho:36:2p, 36:3e	-0.090413	0.023063	0.17977	-0.096231	0.097846	-0.197034	-0.144544	-0.081979	0.037218	-0.111824
44	772.6/184.1>GPCho:36:1p, 36:2e	0.004049	0.194032	0.111378	0.015941	0.043028	-0.135627	-0.152931	-0.111105	-0.076651	-0.107983
45	782.6/184.1>GPCho:36:4a	-0.129707	-0.077698	-0.117986	-0.088742	-0.091371	0.090636	0.095902	0.118986	0.069601	-0.211633
46	784.6/184.1>GPCho:36:3a	-0.141611	0.072148	0.053934	-0.010025	-0.012032	0.027254	0.203171	0.148698	-0.04019	-0.106507
47	786.6/184.1>GPCho:36:2a	-0.093682	0.137365	0.158851	0.121661	0.104201	-0.008505	0.026608	0.087584	-0.07947	0.00102
48	788.6/184.1>GPCho:36:1a	0.040304	0.218352	0.02721	0.101228	0.020812	-0.044236	0.139493	-0.081815	-0.19154	0.050707
49	792.6/184.1>GPCho:38:5p, 38:6e	-0.078427	-0.09013	0.029384	-0.156902	0.009149	-0.238731	-0.103282	-0.113507	-0.196886	0.148123
50	794.6/184.1>GPCho:38:4p, 38:5e	-0.105702	-0.133246	-0.015129	-0.185129	0.023401	-0.119935	-0.179494	-0.037017	0.007282	-0.08196
51	796.6/184.1>GPCho:38:3p, 38:4e	-0.099955	-0.093464	-0.026052	-0.198842	-0.010895	-0.141806	-0.178284	-0.033716	0.008619	-0.197564
52	808.6/184.1>GPCho:38:5a	-0.15017	-0.093883	-0.062458	-0.10286	-0.023306	-0.079624	0.148703	0.074362	-0.158249	-0.008849
53	810.6/184.1>GPCho:38:4a	-0.142177	-0.064002	-0.113963	-0.09126	-0.047104	0.017823	0.152833	0.097088	0.019118	-0.165511
54	814.6/184.1>GPCho:38:2a	0.173471	-0.008572	-0.104513	-0.011661	-0.059687	-0.073428	-0.042779	-0.134583	0.098892	0.071601
55	816.6/184.1>GPCho:38:1a	0.138507	0.100502	0.002794	0.093549	0.014677	-0.131207	-0.010504	-0.100403	0.008388	0.194851
56	820.6/184.1>GPCho:40:5p, 40:6e	-0.111301	-0.107239	-0.009731	-0.151242	-0.002405	-0.213591	-0.118031	-0.058003	-0.163761	0.096687
57	826.6/184.1>GPCho:40:2p, 40:3e	0.094571	0.215027	-0.060295	-0.003962	-0.028229	-0.038408	-0.089231	-0.039676	-0.143054	0.006886
58	828.6/184.1>GPCho:40:1p, 40:2e	0.123474	0.166354	-0.047378	0.001635	-0.034173	-0.050881	-0.116565	0.015472	-0.222741	-0.055241
59	834.6/184.1>GPCho:40:6a	-0.125619	-0.104178	-0.067288	-0.102706	-0.029394	-0.143505	0.140659	0.023026	-0.195974	0.16481
60	836.6/184.1>GPCho:40:5a	-0.086145	0.050116	-0.114282	-0.048375	-0.089984	-0.152406	0.203272	0.033177	-0.298927	0.175369
61	703.8/184.4>SM:d18:1/16:0	0.163979	-0.100076	-0.048009	-0.004666	-0.034404	-0.049889	-0.13189	-0.106711	0.148259	0.025651
62	731.8/184.4>SM: d18:1 / 18:0	0.154963	-0.053326	-0.13747	0.007934	-0.077157	0.024042	-0.01179	-0.122108	0.135951	0.08482
63	787.9/184.4>SM: d18:1 / 22:0	0.014218	0.078623	0.173738	0.150818	0.129722	-0.162663	0.123754	-0.083932	0.117025	0.115723
64	813.9/184.4>SM: d18:1 / 24:1	0.165571	-0.059888	-0.096618	-0.033682	-0.059503	-0.064771	-0.044714	-0.136737	0.153412	0.050337
65	841.9/184.4>SM: d18:1 / 26:1	0.108008	0.187231	-0.074281	0.054199	-0.061773	0.005022	-0.045757	-0.064551	-0.079422	0.130164
66	843.9/184.4>SM: d18:1 / 26:0	-0.077372	0.100996	-0.083497	-0.045188	-0.003167	0.089345	-0.246852	0.076341	-0.115772	0.173105
67	538.7/264.4>Cer: d18:1 / 16:0	0.141523	-0.092318	-0.038171	-0.076708	0.136315	0.054751	-0.051883	-0.039035	-0.072634	0.02395
68	566.7/264.4>Cer: d18:1 / 18:0	0.162111	-0.047178	-0.109401	-0.007068	0.009547	0.097918	0.035782	-0.093264	0.02229	0.067548
69	594.7/264.4>Cer: d18:1 / 20:0	0.174791	-0.063685	-0.053824	0.018389	0.013405	0.080164	0.046067	-0.041733	-0.064567	-0.018417
70	622.8/264.4>Cer: d18:1 / 22:0	0.170333	-0.07498	0.024385	0.035792	0.051476	0.018692	0.131279	0.020432	-0.072242	-0.08554
71	648.9/264.4>Cer: d18:1 / 24:1	0.183616	-0.057341	-0.052207	-0.025506	0.01884	0.037202	0.053797	-0.052111	-0.021534	-0.022467
72	650.9/264.4>Cer: d18:1 / 24:0	0.137283	-0.08327	0.10557	0.078094	0.004296	-0.046628	0.189092	0.021805	-0.029262	-0.087274
73	700.7/264.4>MonoHexCer: d18:1 / 16:0	0.148766	-0.125579	0.039006	0.066748	-0.024576	-0.011	-0.060293	0.167842	-0.162174	-0.119973
74	728.7/264.4>MonoHexCer: d18:1 / 18:0	0.175842	-0.096098	0.032884	0.004635	-0.011244	-0.022753	-0.003513	-0.000892	0.007955	-0.022096
75	784.8/264.4>MonoHexCer: d18:1 / 22:0	0.143405	-0.132589	0.082307	0.082004	0.003743	-0.052609	-0.042946	0.17351	-0.135752	-0.091891
76	810.9/264.4>MonoHexCer: d18:1 / 24:1	0.164966	-0.12527	0.017239	0.027677	-0.033346	-0.037078	-0.046809	0.117975	-0.105562	-0.070293
77	812.9/264.4>MonoHexCer: d18:1 / 24:0	0.129991	-0.134368	0.075979	0.086263	-0.000067	-0.052285	-0.045865	0.203527	-0.19604	-0.101307
78	862.7/264.4>DiHexCer: d18:1 / 16:0	0.158259	-0.131298	0.023141	0.079046	-0.010829	-0.044671	-0.057141	0.080241	-0.088688	-0.061043
79	890.7/264.4>DiHexCer: d18:1 / 18:0	0.160167	-0.118595	0.020827	0.067281	0.000415	-0.034501	-0.008959	0.139594	-0.104587	-0.094047
80	946.8/264.4>DiHexCer: d18:1 / 22:0	-0.158405	-0.127348	0.052891	0.062726	0.016964	-0.069351	-0.017328	0.120534	-0.090938	-0.040727
81	972.9/264.4>DiHexCer: d18:1 / 24:1	0.167871	-0.118521	0.006863	0.034552	-0.011151	-0.065012	-0.046841	0.035922	-0.046437	-0.021776
82	974.9/264.4>DiHexCer: d18:1 / 24:0	0.150027	-0.130848	0.056823	0.070369	0.014455	-0.095055	-0.02676	0.143224	-0.107355	-0.083686

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1	-0.025278	0.151599	-0.121301	0.241247	-0.177961	0.058399	-0.235537	0.103471	-0.068486	0.072591	-0.033091	0.188115	-0.090353	0.036654
2	0.037718	0.007115	0.179797	0.012645	-0.182498	0.084957	-0.261371	0.063478	0.236355	0.120025	0.218312	-0.01962	-0.227994	0.065341
3	-0.025007	0.088774	-0.155376	0.119427	-0.046512	-0.09785	-0.114476	0.011653	-0.07771	0.039653	-0.001837	0.142524	-0.210222	0.04256
4	-0.000456	-0.022459	-0.019364	-0.035176	-0.005559	-0.019275	0.002901	-0.00833	0.015337	-0.022707	0.067102	0.010913	-0.075808	-0.046479
5	-0.017246	-0.019335	-0.014578	-0.014559	0.011186	0.012909	0.005381	-0.00114	0.01313	-0.025745	0.055927	-0.005897	-0.007938	-0.041584
6	0.010571	-0.009524	0.034102	-0.042752	-0.005289	0.006901	-0.007924	-0.005214	0.059055	-0.071258	0.038453	-0.011272	0.007958	-0.02614
7	0.046382	-0.001894	0.111572	0.054805	-0.032196	0.084448	-0.09849	-0.021476	0.120124	0.055805	0.033681	0.013199	-0.045447	0.017531
8	-0.018808	-0.073239	0.041645	-0.061316	-0.095786	0.029526	0.086688	0.172151	0.029233	0.177074	-0.018493	-0.004219	0.317067	0.15089
9	0.018196	-0.007425	0.08431	-0.039694	0.017122	0.085027	-0.100808	0.002505	0.039709	-0.049241	0.058669	-0.040206	-0.001867	-0.146225
10	0.005083	-0.002569	0.044201	-0.014544	0.057267	0.037329	0.154807	0.003226	-0.039065	0.022117	-0.129506	-0.060003	0.069107	0.156985
11	-0.073219	0.022795	-0.039361	-0.022893	0.05347	0.021884	-0.122872	0.043793	-0.077329	-0.048209	-0.074727	-0.115059	0.289476	0.10184
12	0.091034	0.006522	-0.019253	-0.061921	0.031842	-0.014351	0.065167	-0.080226	0.075368	0.017374	0.017221	-0.001187	0.087909	0.014524
13	-0.000918	-0.054605	0.023069	0.034907	0.05432	-0.216558	0.065946	-0.098481	-0.114191	-0.159221	-0.091052	-0.040843	0.03337	-0.020909
14	-0.022513	-0.062261	-0.012842	0.034556	0.064883	-0.044304	0.104788	-0.163694	-0.078086	-0.06016	-0.132979	-0.150807	-0.032522	-0.113756
15	-0.08814	-0.024014	-0.117676	0.264949	0.143819	0.109357	-0.083447	-0.136829	0.001983	-0.130752	0.023091	-0.167532	0.133917	-0.039706
16	-0.009991	-0.128261	0.046029	-0.073318	0.004718	-0.107673	0.138129	-0.106949	-0.026676	-0.07344	-0.095662	-0.067566	0.038591	-0.053344
17	-0.128438	-0.074352	0.108862	0.296529	-0.077161	0.166715	0.01328	-0.080701	-0.22243	0.008243	0.204914	-0.248615	0.094201	0.152293
18	0.082238	0.069439	-0.121389	-0.171458	0.061163	-0.112932	0.111184	-0.235933	0.065502	0.063814	0.033771	-0.054836	0.092543	0.342653
19	-0.04511	0.046147	0.148991	0.17041	0.252993	0.24976	-0.180107	0.055998	-0.090768	-0.135061	-0.04224	0.027322	0.224303	0.039339
20	-0.003033	-0.121665	0.058633	-0.098137	0.085453	0.248069	-0.12244	-0.109319	-0.053869	-0.05396	0.135566	-0.002635	-0.063073	-0.007221
21	-0.087114	-0.150611	-0.151692	-0.078336	-0.017454	0.183183	-0.085173	-0.072695	-0.037372	0.093056	0.256102	0.020437	-0.103858	0.054197
22	0.043661	-0.071902	0.04149	-0.171928	-0.01953	0.058979	0.073286	0.149239	0.093401	0.186525	-0.04534	0.059972	0.325174	0.072706
23	-0.071893	-0.074736	-0.068995	0.114242	0.029475	0.093507	-0.101584	-0.024334	-0.137797	0.068323	-0.192599	-0.071683	-0.075369	-0.05764
24	-0.003303	-0.162105	-0.100996	0.040378	0.053377	0.122978	-0.14742	0.031502	-0.061608	-0.049796	-0.154857	-0.080264	-0.052206	-0.140107
25	0.140061	0.06671	-0.250124	-0.150279	0.015725	0.438143	0.112117	0.003273	-0.267399	0.249031	-0.183884	-0.027689	-0.026125	0.04567
26	0.030004	-0.251741	0.141303	-0.022184	0.095696	-0.094363	-0.047949	0.083892	-0.0615	-0.079781	0.143443	0.036701	0.136307	-0.033637
27	-0.030791	-0.233785	0.183364	-0.015917	0.057135	-0.076746	-0.035898	0.044333	-0.062459	-0.004705	0.16305	-0.013199	0.183501	-0.046934
28	-0.092582	0.208565	-0.087077	0.014576	-0.230039	0.155856	0.182915	0.0129	0.034028	-0.170414	-0.080455	-0.036226	0.109559	-0.07948
29	0.192939	0.12334	-0.083832	0.082803	-0.126906	0.017713	0.046164	-0.105925	-0.066855	-0.343746	0.123995	0.007538	0.083648	-0.083648
30	-0.076564	0.053397	0.095853	-0.058001	-0.189618	0.015708	-0.059322	-0.02649	0.00303	-0.074663	0.097212	-0.008381	0.10035	-0.08709
31	-0.097567	0.074327	-0.025925	-0.074828	-0.171521	-0.01868	-0.048039	-0.029653	0.015804	-0.070898	-0.0595	-0.097516	0.124409	-0.109409
32	0.04958	-0.150402	0.05704	0.449466	0.051241	-0.014166	0.2349	-0.314779	0.183285	-0.0021	-0.144365	0.414442	0.013592	0.207204
33	-0.036496	-0.16018	-0.037944	-0.006134	-0.127602	0.057907	-0.021385	-0.103159	0.06825	0.056199	-0.03816	-0.131508	-0.086905	0.278096
34	-0.286556	0.044199	-0.236687	0.021984	0.081544	-0.124096	0.028944	-0.211008	-0.073214	0.186411	0.269264	0.191266	0.128861	-0.114895
35	-0.20561	-0.019751	0.00852	-0.016212	-0.094478	0.234334	0.030837	-0.090712	0.08492	-0.202737	-0.121104	-0.062565	-0.07329	0.121211
36	0.082076	-0.128359	0.075743	0.06694	-0.142532	-0.085232	0.089018	-0.034566	-0.328058	0.050794	0.296135	-0.08195	-0.086687	0.006215
37	-0.10264	0.041184	0.018989	0.003196	0.004155	-0.179299	0.028398	-0.132816	-0.098924	0.120619	0.037705	-0.208208	-0.211287	0.085145
38	0.03069	0.153106	-0.034036	-0.071625	-0.118155	-0.017885	0.0028	-0.268714	0.148098	0.033789	-0.137063	-0.052936	0.144588	-0.135854
39	0.024379	0.072942	-0.025782	-0.051195	-0.047398	-0.043333	-0.000408	0.158145	-0.269675	-0.192252	0.098754	0.179631	0.102236	0.031617
40	-0.283857	-0.029941	0.165387	0.057072	-0.116815	-0.00161	0.071964	0.197954	0.021546	0.080974	-0.154915	0.232199	-0.108837	-0.226825
41	-0.365844	-0.016345	-0.196668	0.031001	-0.063929	-0.075199	0.107738	0.060319	-0.012501	-0.09873	0.01542	-0.282033	-0.060459	-0.085257

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
42	0.0598	-0.078432	-0.155324	0.04814	0.200128	0.075225	0.19776	0.128146	0.031964	-0.13672	0.112866	0.030004	-0.083352	0.065541
43	-0.070154	0.070605	-0.214778	-0.010101	0.113867	-0.119639	0.081642	0.184532	-0.038906	0.143436	0.064755	-0.049594	-0.061933	0.057377
44	0.087574	0.237239	0.188443	-0.071053	-0.106095	-0.120835	-0.137366	-0.173444	-0.151323	0.09657	-0.132315	-0.023368	0.053785	-0.110381
45	0.216589	-0.018946	0.034586	0.146341	-0.075052	-0.03734	0.040535	-0.125476	-0.182374	-0.015333	-0.008889	-0.039583	-0.043966	-0.003101
46	0.063864	0.218314	-0.21252	0.062038	0.00067	-0.197113	-0.078104	0.141046	-0.097735	0.161635	0.054641	-0.063295	0.084835	0.266506
47	-0.088998	0.153683	0.077042	-0.180564	0.205167	0.061126	-0.086329	-0.004711	0.130924	-0.061174	-0.041676	0.073074	-0.05655	0.110343
48	-0.047676	0.050019	-0.191649	-0.075873	0.189027	-0.04672	0.021684	0.037312	0.129098	-0.15011	0.082795	-0.024469	-0.053515	-0.090642
49	-0.091174	-0.122171	0.076017	-0.026593	0.08266	0.173762	0.162554	0.136245	-0.079042	-0.013823	0.110206	0.145552	-0.00992	0.116384
50	-0.030047	0.052927	-0.110295	-0.003499	0.212896	0.107064	0.055224	0.085294	0.019913	-0.124081	-0.051351	0.069919	-0.035891	0.003253
51	0.160245	0.103269	-0.130749	0.061611	0.059316	0.061164	0.142164	0.058691	0.050361	0.087137	-0.020487	0.095048	-0.064738	-0.151985
52	0.069714	-0.003672	0.08215	-0.017467	-0.03128	-0.085849	-0.061924	-0.079428	-0.096028	0.10115	-0.078833	-0.089112	0.036416	0.036526
53	0.307726	0.04993	0.000488	-0.040007	0.09289	0.009314	-0.017054	-0.085064	-0.024646	0.004138	0.01102	0.011507	0.015976	0.00616
54	0.058049	-0.055484	-0.059461	-0.008708	0.067484	-0.061404	-0.11345	0.140288	0.063785	-0.001685	-0.034771	-0.056664	0.068097	0.057394
55	0.21742	-0.186111	-0.097877	0.034528	-0.031415	-0.13556	-0.048879	0.160054	0.191408	-0.091977	0.079667	0.062681	0.003533	-0.013226
56	-0.032067	0.032142	0.146147	-0.035689	-0.000561	0.035742	-0.003323	-0.042207	-0.011853	0.16745	-0.134843	0.067255	-0.023039	-0.078017
57	0.177908	0.010188	0.040197	0.003214	-0.057231	0.044648	-0.011108	0.101448	-0.153136	-0.141958	-0.028866	0.030815	-0.098994	-0.02151
58	0.190199	0.06339	0.081828	-0.023752	-0.12433	0.074173	0.015868	-0.017039	-0.083572	-0.04609	0.044994	0.038694	0.028016	-0.057076
59	-0.078675	-0.0487	0.134586	-0.095233	0.023403	0.13413	-0.074269	-0.097164	0.042842	0.152871	-0.003705	0.014248	0.027809	0.083786
60	0.117207	-0.164399	0.027665	-0.016187	0.087986	0.00801	-0.130671	0.09135	0.030155	0.011688	-0.230596	-0.254386	-0.249099	0.069983
61	-0.005526	-0.127198	-0.058037	-0.005617	-0.085105	0.037616	-0.002884	-0.126931	0.088893	0.018989	-0.045405	-0.069238	-0.071875	0.150344
62	0.033453	0.004356	0.076712	-0.00876	0.163987	0.068618	0.081229	-0.174785	-0.093109	0.179107	0.142617	0.034416	-0.069804	-0.133421
63	0.109026	-0.005758	-0.002822	-0.086388	0.179603	0.023588	0.034139	-0.188432	0.286672	0.007976	0.170341	-0.170328	-0.030517	-0.210098
64	0.056362	-0.095133	-0.027971	-0.031616	0.052416	-0.029579	-0.09708	0.037468	0.034933	0.07127	-0.004497	-0.092652	0.12133	-0.022535
65	0.288459	-0.012642	-0.057466	0.028906	0.041958	0.053832	0.012053	0.058509	-0.094309	-0.106694	-0.054519	-0.072511	-0.052902	0.012403
66	0.09159	0.204435	-0.054983	0.445987	0.089629	0.099661	-0.144172	0.070102	0.243304	0.194039	0.109465	-0.205333	0.200629	-0.098638
67	-0.064597	0.268	0.195415	0.060103	0.033804	-0.129266	-0.088986	0.051902	0.056821	-0.188654	0.040277	-0.01248	-0.113707	0.32245
68	-0.030602	0.210932	0.198843	-0.012978	0.271296	-0.013851	0.040411	-0.031252	-0.083396	0.048467	0.059485	-0.008635	-0.133144	-0.011485
69	-0.032602	0.232816	0.169525	-0.025239	0.189869	0.024888	0.106289	0.047449	-0.04404	0.032503	0.107593	-0.063072	-0.06813	0.009698
70	0.006966	0.118071	0.163078	0.064934	0.046326	0.010015	0.296007	0.178416	0.065803	0.069197	0.027217	-0.173303	-0.08655	-0.042609
71	-0.047612	0.093569	0.16354	0.038518	0.161637	-0.055091	0.044686	0.094226	-0.069736	-0.046428	-0.081959	-0.07928	-0.004208	0.049299
72	0.051087	-0.150055	0.06525	0.216551	-0.04018	-0.120244	0.207139	0.203578	0.067359	0.153042	-0.129437	-0.147415	-0.029906	-0.128405
73	0.004391	0.065454	-0.035141	-0.058436	-0.099435	0.144279	0.068322	-0.014626	0.08614	-0.061567	0.079804	0.0409	-0.071881	0.033216
74	-0.061367	-0.058954	-0.000242	0.045964	0.198136	-0.070314	-0.119933	-0.098838	-0.149641	0.13674	-0.137483	0.147011	-0.033016	-0.090035
75	0.025424	-0.038063	-0.046449	-0.0331	-0.020187	-0.032701	-0.028597	0.030157	0.014305	0.023979	-0.017519	0.017003	-0.004871	-0.005903
76	-0.02823	0.038479	-0.033017	-0.055302	0.096182	0.000147	-0.187915	-0.022856	-0.025609	-0.087636	-0.064328	0.039103	0.005467	-0.021356
77	0.027478	-0.033118	-0.073097	0.006733	-0.082256	-0.011363	-0.04185	-0.008336	0.078293	-0.039702	0.041543	0.024187	-0.0367	0.041577
78	0.018828	-0.092307	-0.077124	-0.036999	0.013942	-0.079608	-0.123622	-0.011214	0.010931	-0.020447	-0.001824	0.054387	-0.054434	0.027486
79	0.075572	0.09479	0.011926	-0.017515	-0.028222	0.141924	0.099731	0.012815	-0.028115	0.098892	0.137976	0.019003	-0.013027	-0.123515
80	0.046343	-0.046165	-0.063693	0.021087	0.036921	-0.068939	-0.085947	0.022296	-0.010076	0.096173	0.000222	-0.010365	0.055808	-0.129293
81	-0.030206	-0.061891	-0.106462	-0.029321	0.156765	-0.11706	-0.227923	-0.014226	-0.078616	-0.024919	-0.073675	0.072742	0.02998	-0.036003
82	0.052452	-0.002574	-0.089351	-0.014623	-0.09074	0.032535	-0.020514	0.042687	0.014863	0.055409	0.083967	-0.010453	-0.067534	-0.07403

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
1	-0.116176	0.016086	-0.026542	0.005794	-0.100645	0.198849	-0.05063	0.073017	-0.140599	0.063973	-0.156003	0.364772	-0.027296	0.252101
2	-0.199534	-0.113073	-0.233585	-0.083084	-0.155773	-0.125126	0.152749	0.105142	0.076228	0.093071	-0.008073	-0.121984	0.121888	-0.256323
3	0.001071	0.189034	0.316006	0.010499	0.011313	0.093375	-0.112201	0.262786	0.104369	0.189114	0.075006	0.086639	-0.116061	-0.081515
4	-0.000765	0.069096	0.177786	0.038862	0.048155	0.028713	-0.071113	0.114272	0.192325	-0.0012	0.012219	-0.088731	-0.045744	-0.176381
5	0.008837	0.046578	0.107314	0.019301	0.027814	-0.021211	-0.016529	0.040298	0.092936	-0.026474	0.014439	-0.024554	-0.005333	-0.073142
6	0.038414	0.004609	-0.029224	-0.077657	0.038871	-0.035094	0.039133	-0.06441	-0.007986	-0.033476	-0.040232	0.04791	0.075295	0.064652
7	-0.114628	-0.112877	-0.162039	-0.110913	-0.012498	-0.103866	0.030419	0.013164	0.035621	0.076905	-0.025258	-0.070344	-0.039674	0.002305
8	0.034536	0.162855	0.132191	-0.154686	0.107272	0.16553	0.038921	-0.092616	-0.067564	0.21664	0.06868	0.055207	-0.009581	-0.099375
9	-0.009398	-0.0789	-0.165773	-0.054812	0.022737	0.157966	0.034417	-0.176705	-0.188809	-0.059516	0.024408	0.186034	-0.041034	0.225474
10	0.064881	-0.107184	-0.101386	-0.006232	-0.069311	-0.112858	-0.00958	0.049107	-0.082968	-0.029109	0.15316	-0.042558	0.244203	0.095297
11	0.097937	0.029775	-0.001657	-0.00808	-0.147464	-0.065995	-0.024907	0.069391	0.011074	0.037309	-0.269344	-0.046582	0.112065	-0.094511
12	-0.127191	0.001399	-0.007383	0.003001	0.038182	0.031401	0.088564	-0.088603	-0.084611	-0.057232	-0.016324	0.046451	-0.058685	0.110892
13	0.072348	-0.110752	-0.048485	-0.020362	0.091607	-0.077281	0.05096	0.035049	0.153378	0.022792	0.009495	0.187266	-0.05646	-0.066488
14	-0.069375	-0.136392	-0.118397	-0.036655	0.007864	0.061815	-0.141457	0.15905	-0.01789	-0.036128	-0.074105	-0.13749	-0.027069	0.113927
15	-0.164033	0.033454	-0.041919	0.091068	-0.047217	0.214655	-0.176824	0.076409	-0.153818	0.018935	-0.088617	-0.121154	0.04698	-0.204783
16	0.103926	-0.101806	0.008214	-0.057064	0.020669	-0.108664	0.028444	0.099123	0.096574	-0.020996	-0.00351	0.033276	-0.017613	0.043649
17	-0.28513	-0.033023	0.151759	-0.125709	0.163654	0.043434	0.207687	0.107611	0.012991	0.300494	0.073345	-0.089298	-0.004244	0.07913
18	-0.185185	0.080097	-0.034738	-0.064055	-0.068615	-0.191881	0.17195	-0.018367	-0.18062	0.037243	-0.218073	0.205261	-0.050348	0.06916
19	0.043425	-0.026476	-0.073387	0.004089	-0.169539	0.022729	-0.057966	0.110151	0.010909	-0.114035	-0.025355	0.044007	0.072894	0.009027
20	-0.038951	0.025455	0.178638	-0.060422	-0.074439	-0.289496	0.160049	0.010999	0.14178	-0.163777	0.029413	0.07485	-0.157621	0.213014
21	-0.071191	0.119127	0.23242	0.251194	-0.003338	-0.053503	0.036122	-0.290282	-0.113142	-0.085001	-0.05058	-0.024536	0.053868	0.024434
22	0.108904	0.210377	0.021925	-0.166929	0.05628	0.099398	0.010328	-0.069107	-0.049465	0.164534	0.070432	-0.042431	-0.138466	0.006047
23	0.22411	-0.163225	0.107382	-0.143587	0.47259	-0.027896	0.086013	-0.080182	-0.076321	-0.098342	-0.157667	0.131378	0.169043	-0.041256
24	0.077861	0.044439	0.02443	0.068456	0.197156	-0.099767	0.153823	0.026458	-0.1533	0.099129	0.090681	-0.080896	-0.136012	-0.126552
25	-0.084898	0.024229	-0.074442	0.137244	-0.077136	-0.018442	-0.093373	-0.035259	0.365441	0.042938	0.048693	-0.022943	0.071512	0.117088
26	-0.010652	-0.005021	0.166273	-0.015918	-0.153874	0.121487	-0.062199	0.18159	0.059908	-0.057575	0.101846	0.053027	-0.044013	0.184705
27	-0.048185	-0.05298	0.134377	-0.00846	-0.079093	0.065677	-0.111865	0.053442	0.119099	-0.059952	-0.051626	0.011754	-0.079893	0.144661
28	0.013354	-0.053974	-0.126518	-0.155918	-0.151048	-0.021826	0.091604	-0.0751	-0.071744	0.042206	0.235665	-0.108788	-0.052481	-0.054011
29	-0.004865	0.105523	0.027537	-0.056944	-0.016454	-0.101959	-0.117801	-0.10846	-0.00797	0.131896	0.042895	-0.180242	0.039393	0.014983
30	-0.008354	-0.089124	0.100954	-0.062783	0.02306	-0.210105	-0.122822	-0.077185	-0.016605	0.006173	-0.109272	-0.084608	-0.027913	0.02073
31	-0.049098	0.106623	0.11676	-0.018428	-0.124275	0.045478	0.274073	-0.007757	0.060644	-0.217971	-0.080097	0.001376	-0.178928	0.057812
32	0.053355	-0.08244	0.073857	0.067055	-0.098107	-0.009703	0.072089	-0.06161	0.073479	0.065744	-0.027962	-0.01042	-0.118397	-0.005732
33	0.027266	0.06754	0.069892	-0.06066	-0.040643	0.012897	-0.040024	0.091627	-0.08732	-0.201518	-0.021217	-0.114104	0.140896	-0.064778
34	0.039674	-0.114363	-0.134606	-0.191613	0.010816	0.001091	0.009996	0.061702	0.05779	-0.065122	-0.030227	-0.104732	0.246218	0.196809
35	-0.136835	0.205991	-0.206257	-0.043823	0.238952	0.014522	-0.185503	0.026503	0.118139	-0.151258	-0.126723	0.015891	-0.347583	0.171983
36	0.273669	0.139022	-0.301541	0.350535	-0.033914	-0.027691	0.090593	0.007789	-0.248221	0.042266	0.062126	-0.065033	-0.15113	0.033769
37	0.125463	0.057114	-0.047245	-0.173674	-0.143653	0.077699	-0.171791	-0.194909	0.245316	0.20339	-0.11242	0.058886	-0.004072	0.086641
38	-0.111282	-0.043835	0.029791	0.167121	0.087058	-0.01101	0.07243	0.247597	0.031753	0.083329	0.283864	0.04288	-0.069691	0.099875
39	-0.160572	0.050236	-0.024228	0.004842	0.13248	-0.015662	0.230757	0.174769	0.140214	-0.129685	0.012517	0.037418	0.241059	-0.063031
40	-0.026732	0.056637	-0.077438	0.06076	-0.003008	0.014379	0.083459	-0.048518	-0.008763	0.076119	0.039223	0.009349	0.014019	0.10479
41	-0.01978	-0.032892	0.098973	-0.018377	-0.172798	-0.066057	0.028759	-0.112248	0.01843	0.118164	0.066037	0.179112	0.049471	-0.019392

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
42	-0.075295	0.061305	0.005479	-0.099455	0.02427	0.003462	-0.006653	-0.165104	-0.033172	0.064622	0.186398	0.043484	0.068019	0.113855
43	-0.053991	-0.080043	-0.048849	-0.059208	-0.054988	0.14169	0.018514	-0.001335	0.131968	-0.080971	-0.00554	-0.160093	-0.053361	0.076325
44	-0.122598	0.165629	0.122057	0.018518	-0.002058	-0.073169	-0.108263	-0.110052	0.030734	-0.051456	-0.061919	-0.068312	0.101432	0.030362
45	-0.018003	0.083976	-0.071725	-0.084424	0.124764	-0.060406	-0.065582	-0.180361	0.08059	0.129905	-0.08962	0.028099	0.017897	-0.077166
46	-0.150791	-0.328872	0.021845	0.026963	0.156019	-0.079531	-0.161326	0.053437	-0.129168	-0.238857	0.178655	-0.061276	-0.31249	-0.06717
47	0.068304	0.044116	0.024438	0.062611	-0.098887	-0.024024	-0.184616	0.087458	-0.105945	0.126164	-0.120327	-0.036371	-0.045337	0.015248
48	0.058722	0.197642	0.065286	-0.051285	0.069719	-0.068996	0.054972	0.076703	-0.046576	0.087683	-0.184772	-0.085408	0.026747	-0.105781
49	-0.012377	-0.014632	-0.165153	0.004576	0.114246	-0.11154	-0.175902	0.023876	0.113074	-0.113352	0.106888	0.172826	-0.074963	-0.238818
50	-0.096001	0.010075	-0.091523	-0.009624	-0.026633	0.02104	0.213653	-0.003582	-0.036569	0.07016	-0.213635	0.032241	0.018507	-0.078102
51	-0.033025	-0.074355	0.224189	0.057365	-0.019548	-0.090997	0.197769	0.103292	-0.139922	0.004713	-0.04304	-0.072559	0.044142	0.125471
52	-0.020059	0.09741	-0.143379	0.003969	-0.053235	0.137715	0.294426	0.046021	0.22861	-0.091679	-0.041282	0.224094	-0.03999	-0.247331
53	0.065743	0.195029	-0.074993	0.062631	-0.006829	0.054995	0.01623	0.096422	0.025055	0.054064	-0.014088	-0.010425	0.121583	0.125924
54	0.077948	-0.187221	0.025529	0.090881	-0.009698	-0.115435	0.006051	-0.082326	0.063942	0.160786	-0.178472	-0.083756	-0.120474	0.011576
55	-0.143786	0.004244	-0.076384	-0.114748	0.218073	-0.08543	0.009883	-0.032654	0.187896	0.039067	-0.139991	-0.146092	-0.050902	0.148039
56	-0.108032	-0.046053	0.125768	-0.121913	0.109655	-0.112568	-0.051941	-0.040544	-0.053754	-0.01438	-0.057811	-0.029848	0.063324	-0.063429
57	-0.009255	-0.073913	0.134154	-0.189987	-0.086408	0.057839	-0.106907	-0.173355	-0.056235	-0.126768	-0.009324	0.0101	-0.030699	-0.037454
58	-0.01673	-0.188165	0.122294	-0.078699	-0.0193	0.105299	-0.16381	-0.107376	-0.116191	-0.041399	-0.065427	0.058605	0.01316	-0.060252
59	-0.052223	-0.079178	-0.000149	0.081473	0.191225	0.029242	-0.113655	0.01241	-0.03519	0.156592	0.069861	-0.077528	0.195061	0.093927
60	0.098121	-0.03537	0.033766	-0.19933	-0.121255	0.07319	0.103867	0.155795	-0.072801	0.103098	0.133226	-0.122465	-0.032593	0.211792
61	0.142422	0.051294	0.112255	0.065739	-0.050772	0.056763	0.026052	0.03418	-0.103742	-0.265707	0.042593	0.040539	0.045865	-0.103432
62	0.056377	-0.050588	0.020699	-0.274065	-0.021458	0.012692	0.100898	0.089492	-0.134026	-0.034221	-0.036734	0.059946	-0.08177	-0.097682
63	-0.156557	-0.023585	0.02838	0.116161	0.138881	0.257863	-0.086619	-0.07075	0.087464	-0.02556	0.187813	0.186205	0.104816	-0.107549
64	0.016528	-0.261133	0.008814	0.243606	-0.013314	-0.022293	0.03889	-0.120541	0.098891	0.120164	-0.068636	0.099517	-0.006482	0.035977
65	-0.064078	-0.048241	0.004969	-0.11487	-0.102733	0.105106	0.052499	0.030639	-0.020318	-0.012709	0.013229	0.050681	0.065847	-0.008349
66	0.288022	0.173635	-0.021106	-0.061005	-0.013017	-0.189436	0.005069	-0.11391	0.184836	-0.166295	0.115372	0.06859	-0.04301	0.050753
67	0.159952	0.089277	0.068805	0.080028	0.226705	0.055719	0.111476	-0.066094	0.094729	-0.098345	0.127999	-0.072865	0.239632	0.228619
68	-0.071944	0.053454	-0.007385	-0.072057	0.053469	-0.015509	0.022982	-0.032612	-0.048406	0.044211	0.011687	0.011214	-0.188594	0.015083
69	-0.006843	-0.001951	0.058759	-0.070407	-0.000087	0.07964	0.076152	-0.063047	-0.057243	-0.01315	0.00799	0.045997	-0.144925	-0.099506
70	-0.043314	0.055927	0.008807	0.061711	0.106864	-0.014362	-0.002508	0.13378	0.01715	-0.113936	-0.105421	-0.026011	0.039568	0.024619
71	-0.097509	-0.033934	0.074875	0.283472	-0.053465	-0.14669	0.002768	-0.097874	-0.020549	0.12353	0.038139	-0.030019	0.025685	0.0191
72	-0.300443	0.128236	0.050951	0.089083	-0.109835	-0.175691	-0.093452	-0.036783	-0.03834	-0.147706	-0.106061	0.113426	0.162388	0.010324
73	0.189016	-0.136667	0.064199	-0.005104	-0.0807	0.040803	-0.030185	0.065835	0.056628	0.004985	0.00088	0.103825	0.094761	-0.057181
74	-0.084411	0.121765	-0.004556	-0.069531	-0.128495	0.022758	0.083006	-0.223196	0.017314	-0.163009	0.126423	-0.379597	-0.082552	-0.078943
75	0.010347	0.031179	-0.074975	-0.003405	0.049158	0.266566	0.052911	-0.022411	0.086546	-0.101722	-0.035997	-0.153748	-0.00843	-0.00071
76	0.005851	-0.176425	0.023005	0.085463	0.002967	0.067457	0.154897	-0.151744	0.081719	0.097155	0.092782	0.020691	-0.06701	-0.011852
77	-0.016588	-0.100089	-0.070052	0.037976	0.023841	0.192736	0.068587	-0.207446	0.095587	0.00272	-0.048255	-0.03844	0.002693	-0.020514
78	-0.037646	0.102438	-0.033971	-0.239468	-0.073849	-0.206816	-0.143863	0.024476	-0.089144	0.007769	0.302271	0.173673	0.109352	-0.043259
79	0.204926	-0.109315	0.037144	-0.008375	0.016612	-0.059451	-0.046294	0.17536	0.067247	0.103081	-0.150431	0.017552	-0.078731	-0.031136
80	-0.035606	0.178979	-0.178795	0.002347	0.129589	0.039569	-0.069709	0.125585	-0.170245	-0.014995	-0.07715	-0.009661	0.045098	0.062541
81	-0.088216	0.10845	-0.146122	0.003431	0.031145	-0.222907	-0.071509	-0.035246	-0.003335	0.104816	0.170939	0.182297	0.011582	-0.056954
82	0.100169	0.023548	-0.038561	0.019721	0.029735	-0.139767	-0.03867	0.140367	-0.013914	0.015516	-0.02438	-0.009	-0.090145	0.112285

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
1	-0.088098	0.027736	-0.169048	0.066719	-0.135735	0.073373	-0.030384	0.009981	-0.049349	0.03642	-0.165858	0.233922	-0.052021	0.063255
2	0.162878	-0.084813	-0.029887	0.032622	0.114822	0.006783	0.08347	0.026512	-0.086695	0.01616	0.032485	0.0012	0.072314	-0.16467
3	0.03983	-0.121011	0.044502	-0.011002	0.08592	0.085072	0.124068	-0.098801	-0.0188	0.098603	0.085815	-0.04031	0.025714	-0.036675
4	-0.002093	0.099755	0.113328	0.077992	0.088739	0.020335	0.146446	-0.108857	-0.134065	-0.019279	-0.042446	-0.07362	-0.156683	-0.090621
5	-0.000637	0.110117	0.064502	0.059357	0.03264	0.018377	0.042868	0.01448	-0.070767	-0.012399	-0.051392	0.042069	-0.05916	-0.061245
6	-0.109141	0.227459	0.028834	-0.004838	-0.045852	0.007553	-0.026088	0.04431	-0.021909	0.020464	0.169428	0.078482	-0.035582	0.033161
7	-0.133297	-0.115714	-0.026432	-0.084764	-0.259115	0.00419	0.01865	0.035264	0.141503	-0.062277	-0.012794	-0.188463	-0.036093	0.265334
8	0.064049	-0.071129	-0.082518	0.130371	0.005506	-0.073552	-0.008952	-0.036876	0.00379	-0.161427	0.185333	-0.012251	0.035399	0.011523
9	0.217674	-0.097972	0.236772	-0.285295	0.052954	-0.248225	-0.132579	-0.037908	0.086158	0.063194	0.233367	0.041587	-0.019129	-0.032393
10	-0.075949	-0.242202	0.094547	0.072092	-0.051792	0.466592	-0.076629	0.162371	-0.13215	0.120564	-0.086987	-0.044886	0.001483	0.124132
11	0.067327	0.197283	-0.370047	0.095259	0.246174	-0.008109	-0.103177	0.189439	0.154725	0.174952	-0.016646	0.074532	0.127342	0.016201
12	-0.015543	-0.169258	-0.207536	0.106707	-0.126749	-0.121392	-0.038751	-0.124529	0.040739	-0.336436	-0.341241	0.108131	0.135846	-0.197564
13	0.089337	-0.140652	-0.142306	-0.127751	0.177132	-0.026849	-0.090374	0.051529	0.045133	-0.158803	-0.003739	0.040655	-0.035336	0.006036
14	-0.010398	0.140484	-0.038428	0.205457	-0.252902	0.004664	0.025072	-0.16133	0.067603	0.189154	0.144745	-0.057238	0.145935	0.033659
15	-0.15705	0.102917	0.173843	-0.124495	0.058682	-0.105316	-0.082158	0.015447	-0.079045	-0.249489	-0.068258	-0.097365	-0.046349	-0.020321
16	0.078521	-0.177164	0.114618	-0.081022	0.137085	-0.133891	0.02187	0.077875	-0.12637	0.169508	-0.105253	0.158433	0.032716	-0.072617
17	0.062719	-0.138496	0.104698	-0.054649	-0.054432	0.010314	0.007078	0.049959	0.186017	0.038822	-0.073641	0.016214	0.122675	-0.000903
18	0.062528	0.025403	-0.024064	0.006323	0.087819	0.099428	0.202432	0.006593	-0.208567	0.006649	-0.026869	-0.024782	-0.083648	0.054369
19	-0.044209	-0.083175	0.088407	-0.016626	0.175008	0.134925	-0.025769	-0.06035	-0.260274	-0.108791	0.017977	-0.071469	0.037505	-0.014563
20	0.003471	0.074596	-0.125401	-0.001939	0.052349	0.045721	-0.023077	-0.295419	0.088568	-0.033974	0.001089	0.087098	-0.118068	-0.091441
21	-0.117525	0.214497	-0.035271	-0.08444	-0.016986	0.079511	-0.056649	0.299344	0.069832	0.030666	0.056303	-0.074906	0.064887	0.006988
22	-0.058774	0.026847	0.16864	-0.01355	0.004025	-0.035522	0.121789	0.004569	-0.004898	0.07425	-0.055714	-0.009235	-0.01449	0.024016
23	-0.089381	-0.01738	-0.047016	-0.125461	-0.070266	0.007686	0.220779	0.139506	0.022536	-0.046266	0.001032	-0.145255	-0.097579	-0.132526
24	-0.004706	0.090897	0.069254	0.109432	0.133761	0.079689	-0.078012	-0.153642	-0.084868	0.072802	-0.172806	0.103956	0.169914	0.123083
25	0.045853	-0.12166	0.040514	-0.048719	0.161193	-0.077884	-0.180625	-0.048736	0.083935	-0.060526	0.111505	-0.01784	0.016504	-0.011411
26	0.043027	0.022236	0.007233	-0.050715	-0.046162	-0.008606	-0.076701	0.048098	-0.054662	0.116587	0.061499	0.033949	0.035608	0.013504
27	-0.075249	0.039114	-0.039514	0.132964	-0.049687	0.065025	0.005772	0.056947	0.123125	-0.083712	0.021561	0.01597	-0.129984	-0.006714
28	-0.02135	0.376485	0.057237	0.036649	-0.063953	0.004379	-0.012325	-0.041208	0.069912	0.002388	-0.01973	0.065656	-0.139719	-0.132181
29	-0.04972	-0.189006	-0.091078	-0.162397	0.134235	-0.02691	0.102836	0.267576	0.032472	-0.01859	-0.015683	0.205946	-0.039105	0.017137
30	0.11012	-0.122481	-0.184384	0.006008	-0.018682	-0.004235	-0.030544	-0.034767	0.003313	0.044295	0.130988	-0.248431	0.038283	-0.026411
31	-0.026605	-0.109531	0.186816	0.025038	0.000366	0.068732	0.096479	-0.030042	-0.089862	0.030793	-0.000099	-0.320613	0.152998	0.048479
32	0.156528	0.063794	0.055015	0.019551	-0.020438	-0.105722	-0.135515	0.07012	0.056594	0.099072	0.052809	-0.096401	-0.032081	-0.110945
33	-0.011058	-0.091684	0.097097	-0.05592	-0.057631	0.00882	-0.027767	-0.087026	0.110751	0.060873	0.160311	0.12065	-0.128385	0.004752
34	-0.089341	-0.002321	0.134786	0.136723	0.174107	0.017724	0.286382	-0.11825	0.138685	-0.088502	-0.025003	0.038458	0.101169	-0.097732
35	0.02384	-0.060647	0.028327	0.207366	0.028676	-0.069735	0.085839	0.185288	-0.097086	0.078333	-0.075296	-0.073529	0.01045	0.112128
36	-0.104806	-0.121058	-0.017743	0.171644	0.102876	-0.074214	-0.004681	-0.092867	-0.001953	0.008456	0.051746	-0.060212	-0.056007	0.052521
37	-0.064715	0.120492	0.027118	-0.044927	0.002006	-0.048365	0.028156	0.012731	-0.089355	-0.009178	0.119681	-0.008847	0.106666	0.145561
38	-0.167497	0.113589	-0.228743	-0.296052	0.084524	0.12103	0.10179	-0.06144	0.045164	-0.041181	0.151069	0.002454	-0.036768	0.047031
39	-0.007608	0.021677	-0.004645	0.039217	-0.216359	-0.300626	0.020879	0.085879	-0.269307	0.107808	0.07928	0.051652	-0.124576	0.112255
40	-0.00781	-0.019935	-0.107478	-0.027329	0.199577	0.093861	0.044413	0.116355	0.002621	-0.044723	-0.00359	-0.127074	0.120006	0.025868
41	0.190591	-0.089514	0.025151	0.021002	-0.136764	0.158415	-0.209408	-0.049829	-0.132493	-0.066064	0.005441	0.051272	-0.190808	-0.023674

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
42	0.071183	0.017837	-0.050393	-0.061134	-0.071619	0.0407	0.118533	-0.119042	-0.234247	-0.065916	0.08961	-0.03439	0.116853	-0.009651
43	0.079667	-0.024189	-0.056058	-0.198127	0.029151	-0.092497	-0.069938	0.115799	0.089489	0.133892	-0.33745	-0.187182	-0.05671	-0.078352
44	-0.016163	-0.037339	0.160651	0.03129	-0.146386	-0.099193	-0.132805	0.035787	-0.149402	-0.116025	-0.058048	0.016916	0.126309	-0.286049
45	-0.007131	0.035697	-0.096545	0.155132	-0.001235	0.081849	-0.069379	-0.192866	-0.070742	-0.009162	-0.051385	-0.00469	-0.057717	-0.073956
46	0.030165	0.017941	0.006593	0.047199	0.080121	-0.062544	-0.071317	0.006481	-0.026353	-0.016409	0.180888	0.036012	0.094565	0.083487
47	-0.061405	-0.183445	0.09754	-0.026116	-0.055074	-0.018782	0.077247	0.004631	0.128926	-0.1296	0.04307	0.094706	-0.143161	-0.013554
48	-0.025668	-0.158419	-0.04419	-0.15116	-0.186548	0.002344	-0.142111	-0.146198	0.128046	0.174852	0.009333	0.102064	0.126051	0.122003
49	-0.053263	0.017796	-0.023174	-0.146998	-0.156297	0.158979	0.132027	0.008486	0.092227	-0.08865	-0.042695	0.184086	0.180078	-0.135855
50	0.070612	-0.009743	0.03713	0.169246	0.193188	-0.163511	0.071134	-0.147656	0.115452	-0.001217	0.116105	-0.027555	-0.132855	0.042585
51	-0.042931	-0.102486	0.094713	0.173165	0.008159	0.050649	-0.151647	0.129314	0.011901	-0.04228	0.032553	-0.080249	-0.065699	0.009973
52	-0.009778	0.110238	0.146972	-0.101686	-0.055057	0.131537	-0.061533	0.032361	0.214499	-0.045798	-0.101896	0.039111	-0.067338	0.136129
53	-0.012424	0.040367	0.085992	-0.081847	-0.100502	0.032902	0.089113	0.033828	0.083771	0.128529	-0.086209	-0.105217	0.173155	-0.02916
54	-0.030473	0.041806	0.127532	-0.037192	-0.070178	0.020606	-0.000271	-0.068162	-0.006529	-0.047182	-0.020193	-0.032878	0.060462	-0.069148
55	-0.133812	0.100709	0.055731	-0.081603	0.112491	0.161972	-0.253012	-0.007281	-0.082058	-0.106115	-0.009966	-0.04001	0.035945	0.033714
56	-0.034949	-0.063831	0.162186	0.197354	0.046539	0.02124	-0.163299	0.03306	0.089418	0.053583	0.134638	0.291256	0.000207	0.105322
57	0.096375	-0.059157	-0.016525	0.030193	0.12991	0.088337	0.181186	-0.035283	0.218072	0.072412	-0.06519	-0.140725	-0.117	0.062404
58	0.109566	0.035565	0.118627	-0.047497	0.113823	0.143891	0.103105	-0.195823	-0.007643	0.052728	-0.195488	-0.003182	0.005793	0.118361
59	0.122274	0.117591	-0.165243	-0.097369	0.024687	-0.154925	-0.032958	-0.149655	-0.256846	0.275367	-0.153478	-0.082069	-0.196451	0.034208
60	-0.075795	0.050364	-0.100964	0.072954	0.059316	-0.13272	0.12729	0.139069	-0.088475	-0.206369	0.006444	0.070596	0.013817	-0.115951
61	0.053733	-0.078771	-0.071673	-0.105401	-0.011334	-0.110928	0.022548	0.006475	-0.034346	-0.049555	-0.030715	-0.048798	0.095637	-0.074042
62	-0.118388	0.06428	-0.046359	-0.031524	0.063889	-0.025558	-0.142357	0.088757	-0.166945	-0.041921	0.077087	0.01842	0.025585	0.057788
63	0.152477	-0.074637	-0.063338	0.325914	0.10024	0.036914	0.033993	0.191036	0.05164	0.00697	-0.029868	0.008518	-0.001285	0.154998
64	0.028306	0.053365	0.132017	0.044137	-0.078246	0.003505	0.050603	-0.024199	-0.058168	0.047079	-0.135745	0.011932	-0.11317	-0.001095
65	0.098025	0.118375	-0.058666	0.07115	-0.096876	0.074581	0.141524	0.105225	0.065977	0.039941	0.17959	-0.101481	0.047032	-0.088512
66	-0.001934	-0.098991	-0.064187	0.055509	-0.081096	-0.049846	0.09342	-0.034493	-0.043725	0.165002	0.035335	0.059993	-0.071393	0.00202
67	0.127667	0.168359	0.082303	0.056162	0.157512	0.05235	-0.121714	-0.096209	0.1181	-0.21935	-0.006854	-0.016525	0.054622	0.180118
68	-0.127984	0.082266	0.02595	-0.118317	0.030804	0.125427	-0.04937	0.005771	-0.031343	0.130795	0.028336	0.023802	-0.045878	-0.045292
69	-0.044728	0.020458	-0.094446	-0.034466	0.109541	0.005603	-0.135468	0.094441	-0.086894	0.160433	-0.064762	-0.088439	0.083234	-0.211785
70	-0.037591	0.041389	-0.02417	0.076153	-0.070599	-0.063964	0.004882	-0.024531	0.112943	0.022264	-0.02887	0.010803	-0.083575	-0.143292
71	-0.031991	0.002634	0.007481	0.001796	-0.104238	-0.050822	0.268385	-0.012519	0.101657	0.016448	-0.012983	-0.028067	-0.104774	-0.039904
72	-0.128548	0.033829	-0.002358	-0.13287	0.194267	-0.150355	0.148609	-0.104921	-0.038475	-0.0029	0.054365	0.071684	0.140309	0.158526
73	-0.021348	0.036356	-0.026895	0.076247	-0.121968	-0.084737	-0.099758	-0.112182	-0.079309	-0.019637	-0.060724	-0.051303	0.413632	0.046408
74	0.253749	-0.001528	-0.14218	-0.046547	-0.168838	0.018545	0.10919	0.022426	-0.110582	-0.10698	-0.071239	0.15185	-0.037507	0.293884
75	-0.153869	-0.188468	-0.203813	0.078071	-0.025937	0.145279	-0.127075	-0.055058	-0.023683	0.036621	0.105251	0.015441	-0.250038	-0.202682
76	-0.112337	-0.1082	-0.017034	0.072068	-0.024506	-0.127038	0.121101	-0.00992	0.057394	0.162943	0.017552	0.127091	0.200205	0.058262
77	-0.270182	-0.108043	0.065016	-0.042109	0.078876	0.075812	0.07505	-0.017712	-0.164759	0.123472	0.147148	0.136764	-0.075077	-0.08568
78	-0.25563	-0.009678	0.067668	0.073701	0.08128	-0.231904	-0.174008	-0.037737	0.161776	0.100271	-0.272355	-0.216453	-0.175072	0.099158
79	0.092676	0.014486	-0.055312	-0.065159	-0.099679	-0.085837	0.025712	0.08027	-0.113063	-0.299153	0.032395	-0.136513	-0.148284	0.317859
80	0.390199	0.033621	-0.025749	-0.134942	-0.005212	0.225004	-0.02893	-0.128979	0.059659	0.01342	0.049312	-0.042491	-0.011668	-0.110607
81	0.06486	0.018665	0.052313	0.141451	-0.097195	0.01312	-0.033592	0.147063	0.036739	-0.061604	0.201843	-0.25047	0.04058	-0.194304
82	0.249826	0.15619	0.244044	0.036377	-0.000969	0.00496	0.068138	0.295084	-0.014733	-0.013329	-0.112202	0.248633	-0.039026	-0.086736

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
1	-0.015744	0.149039	-0.0671	0.026472	-0.060669	0.051168	0.027837	-0.058365	0.046409	-0.077825	0.085743	-0.043331	-0.11249	-0.087966
2	-0.038134	0.029708	0.016738	0.041159	0.068516	0.084415	0.089196	0.129925	-0.074419	0.008767	0.090258	0.068138	-0.105885	0.022281
3	0.070178	-0.205188	-0.121678	-0.011211	0.050389	-0.048928	-0.096332	0.049403	-0.07241	0.180888	-0.082206	0.059938	0.092904	0.22283
4	-0.004305	0.009758	-0.021785	0.081765	0.004056	0.033783	0.217453	-0.037514	-0.035164	0.015436	0.070241	-0.142971	-0.032854	-0.164064
5	-0.043195	0.054155	0.038818	-0.026972	-0.007812	0.050887	0.172395	-0.124674	0.034358	-0.155206	0.100481	-0.030357	-0.057338	-0.080443
6	-0.078742	0.169897	0.138201	-0.04906	-0.13269	0.083316	-0.072558	0.021904	0.160484	-0.292868	0.095005	0.150258	-0.0911	0.229442
7	-0.084427	-0.04849	-0.02849	-0.186312	-0.310965	-0.287462	-0.004697	-0.222234	0.120262	0.017273	-0.089837	-0.095299	0.123683	0.085192
8	0.124046	-0.170123	0.189488	0.009274	0.035581	-0.032001	0.081933	-0.10194	-0.010448	-0.15889	0.122402	-0.11564	-0.039001	-0.200478
9	0.105747	0.000295	-0.26525	0.088934	0.142269	0.0062	-0.072069	-0.008288	-0.226548	0.090875	0.088599	-0.023696	0.011398	-0.075199
10	0.251159	-0.168013	0.087262	-0.064493	0.121406	0.214024	-0.20733	0.004162	-0.031544	-0.008872	-0.043324	0.059765	-0.039582	-0.067025
11	0.089321	0.201599	-0.092986	0.073967	-0.115645	-0.036493	-0.007106	0.177187	-0.013458	0.110116	0.025123	-0.04317	0.047041	-0.009016
12	-0.247027	-0.078077	0.225704	0.053259	0.205712	-0.051826	-0.028032	0.185273	0.038127	0.175124	-0.179253	0.02573	-0.012724	-0.094551
13	-0.155789	-0.154474	0.022812	0.161867	-0.004716	-0.072184	-0.004131	-0.186481	0.119375	-0.141562	0.230541	-0.069325	0.064512	0.209948
14	-0.020852	-0.031227	0.013848	-0.082319	0.00661	-0.106389	0.149638	0.293438	-0.132891	0.097841	0.07542	-0.192971	0.123018	-0.074224
15	0.127147	0.129937	-0.054048	-0.150949	0.173131	0.129	-0.04522	-0.032308	0.124017	-0.059024	-0.023502	0.093969	-0.037598	0.022048
16	-0.168851	0.115751	-0.117344	0.173643	-0.253394	0.02156	-0.009936	-0.049107	-0.005854	0.036272	-0.140893	0.087112	-0.236597	-0.0786
17	-0.077779	0.040283	-0.041016	0.054945	-0.099426	0.061151	-0.008425	0.042817	-0.03415	-0.091322	0.019925	-0.023227	-0.069005	0.031714
18	0.079863	-0.000288	-0.195133	-0.053838	0.075931	-0.101809	0.135087	-0.130763	-0.13532	0.036127	0.102546	-0.063453	0.009915	0.071814
19	-0.263893	-0.12539	-0.036159	0.008253	0.054043	-0.194817	0.046256	-0.09624	-0.030956	0.179948	0.130585	-0.036772	-0.025004	0.006563
20	0.256658	0.142434	0.057579	-0.163069	0.169249	0.067024	0.01581	-0.02473	0.065417	-0.126274	-0.077994	0.017713	0.023089	0.012643
21	-0.117858	-0.250788	-0.025216	0.195228	-0.107131	-0.111983	-0.069511	-0.055426	-0.144776	0.116424	-0.073899	-0.000074	-0.001762	-0.047396
22	-0.122881	0.263668	-0.153639	-0.111255	0.039459	0.088038	-0.028374	0.042771	0.015538	0.155585	-0.042292	0.103573	0.152068	0.208758
23	0.062583	-0.055145	-0.047143	-0.040519	0.01451	0.106356	0.226501	0.131704	0.036167	0.054168	0.039674	0.124453	-0.006782	-0.03787
24	-0.056015	0.12258	-0.01049	0.144968	0.04733	-0.151576	-0.242803	-0.177996	-0.001686	-0.105018	-0.152493	-0.235805	0.091274	-0.070364
25	-0.050687	0.045141	0.00652	-0.084783	-0.085398	-0.019934	0.065386	0.078404	0.039706	-0.017169	0.086234	0.052729	0.018274	0.013878
26	0.038225	-0.036912	0.142583	0.016676	0.067455	0.030275	0.014956	-0.01733	-0.082762	0.006716	0.037309	-0.075023	0.061923	-0.073214
27	-0.025743	-0.151768	-0.068846	-0.057215	-0.091388	0.023825	0.020372	-0.030321	0.055738	0.094752	0.033273	0.196105	-0.139665	0.1898
28	0.002695	-0.222635	0.00808	0.169218	0.009568	0.004541	0.037715	-0.074462	-0.088856	0.090647	-0.033106	0.002362	-0.129173	0.191576
29	0.150158	0.035913	0.146208	-0.054131	0.087821	-0.183178	0.190572	0.036085	-0.081156	-0.101502	-0.057752	0.034131	0.07565	-0.0554
30	-0.023923	0.021034	-0.164522	-0.018754	0.133951	0.150697	-0.183797	-0.138908	0.15202	0.000581	-0.035379	-0.147147	0.23486	-0.064851
31	-0.111705	0.138057	0.111801	0.001763	-0.161406	0.007946	-0.006792	0.121428	-0.044997	-0.071291	0.010592	0.178244	-0.08377	-0.170735
32	0.067265	0.073787	0.044039	-0.030668	-0.033324	-0.003831	-0.005968	0.044601	-0.010746	-0.03662	-0.062982	-0.002842	0.016581	-0.06645
33	0.025505	0.061841	0.056799	0.208089	0.079392	-0.13069	-0.048947	0.025109	0.16009	0.045203	-0.02906	0.039128	0.034173	-0.088385
34	0.057682	0.010697	-0.051815	0.104791	0.016184	-0.046372	-0.142863	-0.063295	0.041342	-0.050287	0.019303	-0.106695	-0.018949	0.025313
35	0.042312	-0.12542	0.046082	0.132192	0.092432	0.086858	0.060761	-0.013644	-0.040142	-0.08637	0.036837	-0.012798	0.011342	0.120592
36	0.031467	-0.022778	-0.034697	-0.024333	-0.028949	0.076533	0.1907	0.02802	0.118333	0.032442	0.037619	0.029995	-0.03011	0.063498
37	-0.144767	0.00093	0.092923	0.044593	0.288333	-0.146428	-0.157876	-0.0264	-0.004423	-0.133884	-0.111323	0.194996	-0.031683	-0.158124
38	-0.101511	-0.073095	-0.116402	-0.081722	-0.008138	0.060724	-0.040569	0.054071	0.000265	0.022612	-0.036728	0.048051	-0.035372	-0.12654
39	0.029654	-0.001804	-0.036267	-0.003477	0.044381	-0.135512	-0.116811	0.089377	0.014006	-0.03314	-0.235908	0.089575	0.138006	-0.005995
40	0.074153	0.100003	0.015321	-0.081229	0.083425	-0.121891	0.069573	-0.001762	0.034432	-0.01474	0.076543	0.015816	0.000676	-0.126312
41	-0.015806	0.130566	-0.06695	-0.089198	-0.04703	-0.00089	0.257508	-0.035911	0.062989	0.138855	-0.148164	-0.028677	0.132017	-0.005117

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
42	0.088761	0.018348	-0.106588	0.102545	-0.23708	-0.075378	-0.036182	0.242318	0.319512	0.033666	0.161071	-0.180368	-0.103317	-0.043189
43	0.035025	0.056301	0.134394	-0.033993	-0.011471	0.107669	0.074787	-0.18935	-0.050593	0.095808	-0.065603	-0.077896	0.074244	0.069836
44	0.255799	-0.038225	0.029013	0.020516	-0.216362	0.063993	-0.085823	-0.090756	-0.048597	-0.017331	0.148328	-0.195527	0.060338	0.064466
45	-0.098675	0.052931	-0.123493	-0.063805	-0.099099	0.185502	-0.247102	-0.019652	-0.13381	0.177005	0.036646	0.178567	0.026119	0.003231
46	0.002199	0.065727	0.039502	0.002101	-0.029887	-0.00053	0.019611	-0.005335	0.003709	-0.048443	0.039793	0.055609	-0.060064	-0.068594
47	-0.120968	-0.029017	-0.050137	0.246646	-0.125977	0.185026	0.04415	0.169947	0.165724	-0.090684	-0.170886	-0.026609	0.170246	-0.015488
48	-0.09631	-0.068804	0.09968	-0.189421	0.064104	0.059835	-0.049209	0.015994	-0.18284	-0.015169	0.332872	0.024409	-0.259082	0.052986
49	-0.003239	0.13498	-0.080583	-0.028438	0.014125	0.036252	-0.028261	-0.042117	-0.302027	-0.092376	-0.042686	0.020045	0.102636	-0.030245
50	0.082392	-0.239304	0.114007	-0.137307	-0.195996	0.071859	-0.113119	-0.133434	-0.047121	0.036744	-0.11964	0.113041	0.016166	-0.171762
51	-0.139007	0.12434	-0.015125	0.198608	0.22184	-0.045182	-0.010546	0.070288	-0.056351	-0.160797	0.180258	0.115782	0.150321	0.23549
52	0.132903	-0.093125	0.017449	0.156835	0.106721	-0.042919	-0.032555	0.191903	0.169211	0.03199	0.131967	-0.131596	0.105671	-0.006746
53	-0.010866	0.045858	-0.128769	-0.019083	0.082107	-0.039781	0.284	-0.171299	0.066025	-0.061691	-0.189905	-0.132624	-0.14868	-0.061637
54	0.08837	-0.108942	-0.151295	-0.087951	0.011665	-0.126392	0.061181	0.008892	0.047945	-0.249684	-0.013394	0.046245	0.073765	-0.062932
55	0.108678	-0.021646	-0.082609	0.186926	0.039006	0.050823	0.081736	0.062822	0.099513	0.263865	0.017206	0.069921	-0.009453	-0.096006
56	-0.060422	0.002947	-0.049219	-0.051356	0.073443	-0.05699	0.230602	-0.083857	0.071931	0.126747	-0.173758	-0.092221	-0.25818	-0.002844
57	-0.081578	-0.010393	0.036036	-0.032042	0.037264	-0.009096	-0.062458	0.142803	0.003802	-0.025466	0.013975	-0.265774	-0.129897	0.145563
58	0.067732	-0.007699	0.094661	-0.013471	-0.072971	-0.286911	0.066131	0.025787	-0.009033	0.001082	-0.008077	0.313304	0.05551	-0.059284
59	-0.104298	-0.083224	0.168032	0.037536	0.098864	-0.030392	0.02018	-0.017389	0.10457	-0.018321	0.10974	0.017512	-0.028763	0.081154
60	0.173088	-0.010192	-0.021741	-0.01554	-0.111889	-0.109022	-0.075848	0.005964	-0.180091	-0.016306	-0.022057	0.044433	0.0481	0.100098
61	0.014506	0.099156	0.063336	-0.181009	-0.049744	-0.071615	-0.116137	-0.10425	0.072159	0.119297	0.041224	-0.042302	-0.122394	0.093475
62	-0.110897	-0.051513	0.132265	-0.067731	-0.074556	0.106721	0.202509	0.028894	-0.162094	0.039233	-0.00448	-0.034638	0.31783	-0.061813
63	0.10244	0.123762	-0.071089	-0.028204	-0.091292	-0.025021	-0.057531	-0.014216	-0.001975	-0.024563	0.007912	0.048231	0.080661	0.005594
64	0.006727	-0.084641	0.007197	-0.013761	0.029448	0.027898	-0.00162	0.088251	-0.227716	-0.184954	-0.098752	-0.142084	-0.09173	0.117959
65	-0.239802	0.042164	0.007347	0.085743	0.153351	0.293	0.008942	-0.317896	0.135405	-0.013578	-0.041519	-0.031819	0.026173	-0.140464
66	0.002674	-0.086279	0.044611	0.095216	-0.023458	-0.032259	0.018449	0.017583	-0.021104	0.017313	-0.041035	0.008399	0.052547	-0.02021
67	-0.138144	0.060162	-0.019688	-0.156323	-0.039178	0.096423	0.098285	0.026355	-0.173983	0.013927	-0.082599	-0.077975	0.057855	0.028418
68	0.127787	0.137499	0.249507	0.136813	-0.150422	-0.013646	-0.046031	-0.129876	0.0817	0.116787	0.012699	0.031369	-0.058138	-0.009418
69	-0.011694	-0.173855	-0.229304	-0.117067	0.082922	-0.02895	-0.066059	0.270069	0.183977	-0.200812	-0.205477	-0.051734	-0.135984	0.00965
70	0.067231	0.068769	-0.168527	-0.013465	0.165885	-0.299981	-0.05855	-0.182667	0.075326	0.081339	0.113333	0.073283	0.029057	0.015851
71	-0.04019	0.159294	0.063921	0.194923	-0.010024	0.017764	-0.029248	0.010276	-0.103483	0.101523	0.229148	0.085942	0.07994	-0.208836
72	-0.032526	-0.141988	0.042317	-0.016691	-0.030051	0.204145	0.035551	0.018209	-0.02676	-0.077485	-0.165755	-0.081914	0.010425	0.129752
73	0.076327	-0.080651	-0.102221	0.1768	-0.080562	0.088353	0.155661	-0.108659	0.019257	-0.075501	0.058902	0.154441	0.082477	0.099223
74	-0.034078	-0.029852	-0.263565	0.025705	0.060644	0.081095	0.081824	0.005234	0.005443	-0.084804	0.092473	0.11515	-0.019344	0.027005
75	-0.038292	-0.028434	-0.171374	0.038611	-0.107007	-0.05266	-0.02887	-0.108172	-0.166283	-0.189647	-0.050071	0.004236	-0.124158	-0.170717
76	0.201702	-0.060794	0.089042	0.00272	0.12258	0.150817	0.089834	-0.133565	0.190016	0.248689	-0.009126	0.114199	0.010405	0.059284
77	-0.12868	0.157069	0.162203	-0.09366	0.015469	0.005292	-0.03166	0.062511	-0.024691	0.04603	0.028816	-0.277529	0.181945	0.150311
78	-0.016004	-0.008383	-0.096768	0.042146	-0.030163	0.050413	0.028363	0.070994	-0.059816	-0.100037	0.117718	0.013928	0.041076	-0.209142
79	0.15454	0.163695	0.078163	0.139916	0.03489	0.079789	-0.146926	0.054581	-0.123587	0.146608	-0.116673	-0.201655	-0.314098	-0.016213
80	0.050283	-0.024166	0.209654	0.150625	-0.124917	0.00074	0.054426	0.016897	0.000355	-0.140855	-0.195277	0.132956	0.126181	0.114427
81	-0.066686	0.120956	0.146986	-0.052891	0.096811	-0.171898	0.033008	0.039499	-0.027258	0.064538	-0.097775	0.043352	-0.199656	0.143209
82	-0.170631	-0.183877	0.035128	-0.342697	-0.041386	0.040303	-0.177007	0.049145	0.21351	0.069343	0.183195	-0.028818	0.094236	-0.238367

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
1	0.060765	-0.054089	0.125526	-0.05917	0.135668	-0.106936	0.028181	-0.030978	-0.051264	-0.076232	0.03616	0.004434	-0.003782	-0.064539
2	0.020149	-0.022218	-0.066932	-0.05253	-0.122626	-0.054415	0.004196	0.02524	-0.013494	0.072267	-0.052483	-0.012596	0.071361	-0.044613
3	-0.035357	0.090797	-0.09196	0.058755	-0.15249	0.223646	-0.106657	0.128234	0.004635	0.110805	-0.183505	0.008323	-0.065246	0.042885
4	0.049337	-0.062085	0.057715	-0.035419	0.240167	-0.279251	0.070014	-0.190153	0.044871	0.005032	0.26325	-0.021374	0.046028	0.055446
5	-0.042844	-0.03147	0.077867	-0.08277	-0.02153	-0.104098	-0.006676	0.054667	-0.097029	-0.230548	-0.002263	-0.055391	0.006375	-0.195706
6	0.021224	-0.152221	0.084514	-0.072189	-0.276851	0.205637	0.09439	0.094566	-0.310936	0.097644	-0.159114	-0.138485	0.044087	0.077404
7	-0.116521	0.115675	-0.021997	0.123006	0.189667	0.162691	-0.031913	-0.158965	0.052586	-0.002329	0.147603	0.014866	-0.067908	0.089009
8	0.078902	0.007903	-0.116928	0.144545	-0.044889	0.130694	0.006311	-0.015862	-0.011103	-0.297439	-0.092314	-0.103569	0.067337	0.19422
9	-0.029836	-0.026375	-0.023597	0.073212	-0.04709	-0.090465	0.008605	-0.019807	0.107008	-0.118744	-0.042004	0.077804	-0.033992	-0.008363
10	0.071938	-0.026023	0.03873	-0.086774	0.026709	-0.106988	-0.056465	-0.014755	0.050466	-0.037011	-0.032974	0.118743	0.009007	-0.09551
11	0.030855	0.124866	-0.098694	0.036677	0.062108	0.026792	-0.04614	-0.059069	0.209522	0.062081	-0.066062	0.062374	0.034065	0.037224
12	0.028972	-0.015016	-0.068113	-0.009262	0.012882	0.0111	-0.000568	0.182047	0.007524	0.157149	0.005939	-0.010247	0.013549	-0.014986
13	-0.06844	-0.105361	-0.02806	-0.257858	-0.021562	-0.133587	0.20581	-0.147561	0.18629	0.147603	-0.141029	0.138175	-0.022243	0.014863
14	-0.178909	-0.125687	0.044084	0.072601	-0.143154	-0.130529	0.049018	0.029627	-0.094923	-0.056793	-0.083996	-0.088752	0.081563	0.033147
15	0.114239	0.069394	-0.09525	0.042094	0.002392	0.153557	0.016979	-0.019032	0.054366	0.025308	0.09805	0.059797	-0.02071	0.037316
16	0.155271	0.15904	0.031673	0.209596	0.182499	0.164105	-0.185588	0.15612	-0.169762	-0.094534	0.063555	-0.169811	-0.014131	-0.034858
17	0.040254	-0.083236	0.099375	-0.054139	0.010654	-0.080723	-0.044202	-0.006153	0.012945	0.032794	-0.050873	0.020703	0.100943	-0.039267
18	-0.041938	-0.015754	-0.01891	0.057764	-0.052284	0.079283	0.093427	0.00921	-0.069984	-0.041469	0.06051	-0.047186	0.012238	0.011502
19	-0.071356	-0.035678	-0.057806	0.006638	-0.089834	0.007988	0.071737	0.116703	-0.20079	-0.005101	0.069176	-0.128306	0.001181	0.046152
20	-0.019543	0.056082	-0.028087	0.042079	0.010898	0.068173	-0.097843	-0.027965	0.109842	-0.011415	0.004844	0.076388	-0.13366	0.028878
21	-0.033279	0.009679	0.019833	-0.126833	-0.026286	-0.04891	0.031552	0.045834	-0.056815	0.013287	0.031312	-0.053805	0.069747	-0.081098
22	-0.130482	-0.09499	0.153554	-0.083459	-0.011816	-0.197084	0.02653	0.034151	-0.036052	0.273487	0.157146	0.099068	-0.043196	-0.099099
23	-0.017339	-0.01998	-0.025138	-0.002184	0.062236	0.054233	-0.032474	0.08617	0.05459	0.089445	0.026789	-0.018725	0.043627	0.07099
24	0.008858	-0.019264	0.057396	0.073077	-0.147686	-0.075197	0.01013	-0.02128	-0.061091	-0.068887	-0.093139	0.072255	-0.080722	-0.018194
25	0.035776	-0.03027	-0.030157	-0.040113	0.024959	-0.002491	-0.005582	-0.020532	-0.053874	0.006677	0.033825	-0.061962	0.044091	0.00629
26	-0.092935	-0.091117	0.156894	-0.208265	0.203096	0.386515	0.035726	0.00945	0.107107	0.159104	0.130251	-0.09204	0.207652	-0.056051
27	0.05317	0.076309	-0.164559	0.172103	-0.032648	-0.382162	-0.067336	0.062151	-0.10869	-0.148481	-0.148851	0.101037	-0.238076	0.002887
28	0.089851	-0.022784	-0.098999	0.011746	0.156622	0.096139	-0.03169	-0.063014	0.085443	0.070148	-0.044631	-0.044692	-0.02412	-0.063137
29	-0.234637	0.067688	0.160052	0.086458	-0.131387	-0.088421	-0.042283	0.097965	-0.092895	-0.038324	0.112219	0.070014	-0.032226	-0.001085
30	0.314147	-0.152599	0.014193	-0.061957	-0.010177	-0.087757	-0.079148	0.093355	-0.106872	0.087198	0.118028	-0.263096	0.004443	0.088722
31	-0.097903	0.172755	-0.064403	-0.082911	-0.063088	0.04864	0.175878	-0.080173	0.154031	-0.072542	-0.119585	0.172917	0.056286	0.007989
32	0.033502	0.022855	-0.0408	-0.033008	-0.064815	-0.079075	0.043842	0.003763	-0.034444	0.025074	0.02256	-0.000099	-0.00573	-0.009464
33	0.007328	0.084732	0.104152	0.003718	0.142417	-0.036899	0.453767	0.151707	-0.026331	0.049627	-0.033619	-0.05519	-0.299738	0.118201
34	-0.113288	-0.040476	0.036823	0.026239	-0.004335	0.063292	-0.022219	-0.052357	0.032739	-0.016447	0.018709	-0.011689	0.000744	0.000164
35	0.033621	-0.006905	-0.043135	-0.033296	-0.015901	0.054309	-0.103648	-0.012665	0.039197	0.057851	0.00639	-0.078863	-0.069874	-0.045791
36	-0.027233	0.00659	0.023482	-0.003016	0.029113	0.070421	-0.006663	0.052839	0.044854	0.015879	0.023237	-0.036186	0.0172	0.033356
37	0.054262	0.01508	-0.085246	0.027803	0.061345	-0.070935	-0.091239	-0.104377	-0.076582	0.062774	0.081493	0.122555	0.071666	-0.01059
38	0.053199	-0.017476	0.036307	-0.08027	-0.029789	-0.031768	0.059577	0.107334	-0.0281	-0.134336	0.055646	0.026935	0.054562	-0.001876
39	0.066679	-0.106486	-0.186269	-0.017583	-0.072462	-0.093673	0.049829	-0.012683	0.050484	-0.084352	0.077263	0.041403	0.004625	-0.004604
40	-0.055481	0.103497	-0.01362	0.023817	0.010227	-0.027835	0.064414	0.131588	-0.053522	0.088315	0.030981	-0.013223	-0.12974	0.051718
41	-0.078607	-0.059037	-0.007372	0.098246	0.000021	0.001761	0.036596	0.020963	-0.107081	0.104607	-0.118891	0.040458	0.094298	0.046495

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
42	0.102795	0.205784	-0.056734	-0.084229	-0.138623	-0.050529	-0.070378	-0.048282	0.095925	0.110415	0.091469	-0.030539	-0.105253	-0.111142
43	0.024114	-0.094242	0.055399	-0.063347	-0.246923	0.055631	0.129798	0.070569	0.043427	-0.246803	-0.000653	-0.127547	-0.194919	0.001226
44	-0.095024	0.120139	0.087701	0.035264	0.082351	-0.034628	0.015873	0.027585	-0.114925	0.156678	-0.11841	0.050322	-0.052488	-0.029515
45	-0.09367	0.012238	-0.027008	-0.079216	-0.009363	0.118701	0.22283	-0.020523	0.098688	-0.264223	0.098947	-0.080693	0.004351	-0.017228
46	0.006694	0.060307	0.019527	0.00842	0.073117	-0.049244	-0.069302	0.049099	-0.092234	0.143885	0.00735	0.101369	-0.032222	0.011393
47	0.013721	0.033751	0.13919	-0.013402	-0.143595	-0.009695	-0.018025	-0.120577	0.129732	-0.203208	-0.08861	0.007291	0.177884	-0.001748
48	0.069366	0.06156	-0.007866	-0.027981	0.095892	-0.070234	-0.027127	0.003909	0.01747	0.050986	0.102486	-0.098462	-0.148738	0.008736
49	-0.080202	0.051063	-0.039769	0.128494	0.095642	0.026387	0.131925	-0.07197	-0.06396	0.020127	-0.147711	-0.016594	0.103156	0.06248
50	-0.043317	-0.108521	0.240082	-0.076673	0.186897	-0.093858	-0.072847	0.165854	-0.150999	0.14948	-0.121536	0.14319	0.073472	0.064192
51	-0.037683	-0.02122	-0.090448	0.265182	0.173789	-0.022745	-0.012632	-0.121187	0.010015	-0.01642	0.023025	-0.127558	0.104292	0.054252
52	0.003824	-0.026576	0.138767	0.1416	-0.054818	0.019799	-0.218337	0.116255	-0.081799	0.004648	0.15008	-0.11822	-0.063754	-0.10219
53	0.276816	-0.149966	-0.170834	-0.019807	0.076488	-0.015711	0.081003	-0.016378	-0.025641	0.165744	-0.324584	0.080485	-0.006931	0.117647
54	-0.08651	-0.08429	-0.187771	0.016413	0.087679	0.035123	0.06838	0.290653	0.120826	-0.030466	-0.060118	-0.078491	0.046099	-0.529164
55	-0.045261	-0.115906	0.120822	0.059737	0.035375	0.111413	-0.056243	-0.137177	-0.135112	-0.064436	-0.126371	0.160792	0.091476	0.165551
56	-0.1249	-0.099027	-0.170467	-0.276068	-0.175766	0.144314	-0.064862	-0.022306	0.120451	-0.03191	0.168876	0.070785	-0.094712	-0.039846
57	0.179649	-0.034329	-0.031434	0.137178	0.022751	0.129294	0.204868	0.086524	-0.194567	-0.071712	0.134553	0.355873	0.189785	-0.117935
58	0.113744	-0.083041	0.167587	-0.074457	-0.063577	-0.055611	-0.125835	-0.14336	0.198192	0.06444	-0.182129	-0.320729	-0.078871	0.05606
59	-0.151779	0.093899	0.116141	0.230324	0.061533	0.053211	0.013159	0.006112	0.055414	0.019031	-0.130553	0.187427	0.02536	-0.113914
60	0.050193	-0.081697	-0.011489	-0.109549	0.047166	-0.059884	0.054885	-0.011027	-0.02065	-0.041718	0.097612	-0.087996	-0.041364	0.075717
61	-0.151426	-0.2566	-0.052116	0.047095	-0.081327	-0.099419	-0.333871	-0.228727	-0.062498	-0.084087	-0.020222	0.045055	0.227642	-0.048424
62	0.31756	0.161772	0.072777	-0.002409	-0.083769	0.04302	-0.026779	-0.12188	-0.07366	0.025521	-0.062566	0.146889	-0.153055	-0.215208
63	-0.003092	-0.077293	-0.077974	0.02099	0.100014	0.064656	0.094926	0.102762	0.020881	0.030717	-0.019948	-0.017212	-0.049472	-0.048081
64	0.047519	0.281554	0.050498	-0.109176	-0.204901	-0.037245	-0.034322	-0.008545	-0.012536	0.118963	0.183234	0.024841	0.032845	0.422582
65	-0.347612	0.259549	0.029605	0.045102	-0.057468	-0.038006	-0.189884	0.069491	0.107026	0.053182	-0.035905	-0.072646	-0.108163	0.014277
66	-0.001933	-0.05473	0.044664	-0.008635	-0.010079	-0.006453	0.009567	-0.011316	0.009875	-0.02106	-0.031807	0.016965	0.008907	-0.003336
67	0.017623	0.10083	0.026969	0.091331	0.020431	-0.014774	-0.00925	-0.007171	0.028712	0.021397	0.029524	-0.122323	-0.024263	-0.066359
68	-0.006957	-0.135207	-0.209	0.193446	-0.064333	-0.173453	0.063514	0.285318	0.239063	0.068633	0.136395	-0.054361	0.276272	0.185326
69	-0.265037	-0.100147	0.09505	-0.045321	0.196558	0.02896	0.059763	-0.17049	-0.132892	-0.110578	-0.032422	-0.081459	-0.196043	0.141274
70	0.137206	0.346568	0.169722	-0.257097	-0.08196	0.030346	-0.063937	0.067566	-0.060049	-0.095721	-0.060783	0.108259	0.271827	-0.061866
71	0.02047	-0.282965	-0.112713	-0.039353	-0.021811	0.240602	-0.148657	-0.15292	-0.147484	0.007557	0.009787	0.175609	-0.368899	-0.009283
72	0.00521	-0.074024	0.066808	0.190636	-0.018991	-0.059305	0.063738	-0.04084	0.156148	0.048192	0.008319	-0.093214	-0.008361	-0.069897
73	-0.016044	-0.142108	0.111208	0.049985	-0.04536	0.036418	-0.006184	0.26013	0.069123	-0.106145	0.247881	0.325656	-0.09813	0.145241
74	0.030102	-0.007739	0.082356	-0.060292	0.088599	0.029982	-0.059373	0.137261	0.038407	-0.05342	-0.12879	0.006677	0.130034	0.140869
75	0.047313	-0.085304	0.061867	0.253165	-0.268767	0.069747	0.002486	-0.126781	0.089347	0.320441	0.090769	0.016705	-0.024965	-0.143366
76	0.031954	0.190023	-0.048256	0.069772	-0.027849	-0.03042	0.273037	-0.316988	-0.229057	0.028031	0.029478	-0.182929	0.148504	-0.149243
77	0.043179	0.026739	-0.134867	-0.185418	0.263734	-0.018003	-0.203161	0.182384	0.085211	-0.159409	-0.215507	0.019414	-0.062501	0.082977
78	-0.122361	0.091176	-0.209893	-0.121766	-0.039869	-0.069344	-0.069226	0.083444	-0.096567	0.062875	-0.084482	-0.084916	0.096746	0.042798
79	-0.160699	0.000515	-0.002832	-0.052667	0.005512	-0.018483	0.082916	0.041015	-0.049356	0.069814	-0.175091	-0.09423	-0.060324	-0.117395
80	-0.071246	0.084651	-0.280088	-0.175741	0.104502	-0.039673	-0.064053	-0.086038	-0.260438	-0.056201	0.22068	0.032297	-0.008747	-0.064688
81	0.183301	-0.048538	0.394281	0.079958	0.047898	-0.011935	-0.003594	0.022358	0.202416	-0.151312	0.002585	-0.008746	-0.065706	-0.070059
82	0.052613	-0.046455	-0.06756	0.154829	-0.06704	0.053024	0.124989	-0.039091	0.11554	0.042181	0.017323	0.065771	-0.003922	0.118842

	CD	CE
1	0.050026	-0.013758
2	-0.011781	-0.01505
3	-0.033708	-0.001747
4	0.450908	-0.004413
5	-0.738209	-0.003203
6	0.288263	-0.009469
7	-0.051621	-0.000963
8	0.058546	-0.004745
9	0.027795	-0.001423
10	0.059681	-0.000307
11	-0.018112	-0.00121
12	0.017024	-0.000607
13	-0.029496	-0.004108
14	-0.019438	-0.001343
15	-0.029634	-0.001162
16	0.04304	-0.002987
17	0.026105	-0.015076
18	0.004623	-0.002991
19	0.025563	-0.013621
20	0.022967	-0.000485
21	0.03099	-0.000462
22	-0.067878	-0.001546
23	-0.043559	-0.0065
24	0.057814	-0.016295
25	-0.009451	-0.01785
26	-0.041553	-0.16188
27	0.058959	-0.096947
28	-0.04367	-0.238116
29	0.08487	-0.093334
30	-0.069109	-0.069114
31	0.010174	-0.018293
32	0.006181	-0.003418
33	-0.075896	-0.142899
34	-0.000096	-0.075151
35	0.013462	-0.044533
36	-0.00382	-0.004966
37	-0.052216	-0.023393
38	0.02166	-0.004436
39	-0.027862	-0.120052
40	0.007693	-0.45549
41	0.012308	-0.050277

	CD	CE
42	-0.038758	-0.042722
43	0.111978	-0.01711
44	0.003579	-0.027339
45	0.013672	-0.350777
46	-0.009345	-0.229059
47	0.008943	-0.317526
48	-0.002264	-0.161296
49	0.004146	-0.017065
50	-0.029019	-0.040174
51	-0.040755	-0.030335
52	0.018931	-0.135289
53	-0.034527	-0.212516
54	0.174049	-0.137287
55	-0.07202	-0.050195
56	0.054294	-0.01535
57	-0.030398	-0.017746
58	-0.028285	-0.015183
59	0.031181	-0.0896
60	-0.039536	-0.041414
61	0.032589	-0.381216
62	0.043388	-0.148395
63	0.009161	-0.112315
64	-0.111479	-0.234427
65	0.079686	-0.013387
66	0.009831	-0.019794
67	0.002127	-0.003979
68	-0.086047	-0.00165
69	-0.015809	-0.000824
70	0.090811	-0.002171
71	-0.012467	-0.004563
72	-0.020034	-0.013958
73	0.019057	-0.001796
74	0.036779	-0.00028
75	-0.065233	-0.001757
76	-0.015014	-0.002325
77	0.020496	-0.002358
78	0.024793	-0.004138
79	-0.00784	-0.000388
80	0.000661	-0.000452
81	0.028916	-0.00096
82	-0.004081	-0.000495

Appendix B5

PCA Transformation Matrix (82 x 82; Benign/Malignant)

	A	B	C	D	E	F	G	H	I	J	K
1	409.4/255.3>GPA:Lyso 16:0	-0.115804	0.036866	0.190288	-0.077558	-0.103124	-0.020264	0.034268	-0.202573	0.007009	0.034879
2	437.4/283.3>GPA:Lyso 18:0	-0.073104	-0.149793	0.164443	-0.040301	-0.138671	0.046442	-0.005097	-0.091212	0.044323	-0.078475
3	647.8/255.3>GPA:16:0/16:0	-0.120462	0.077948	0.181466	-0.075297	-0.001039	0.088859	0.004857	-0.095556	-0.060154	0.02959
4	673.8/281.3>GPA:18:1/16:0	-0.084439	-0.013882	0.145826	-0.101584	0.267739	0.210619	0.004397	0.124187	-0.086317	0.071983
5	699.8/281.3>GPA:36:2	-0.080003	-0.016736	0.146945	-0.082111	0.313563	0.182352	0.010055	0.13018	-0.050576	0.022415
6	701.8/283.3>GPA:36:1	-0.068051	-0.012919	0.142283	-0.109399	0.301919	0.211851	-0.000735	0.127635	-0.060527	0.090897
7	703.8/283.3>GPA:36:0	-0.131326	-0.084891	0.169082	-0.062883	0.05923	0.122987	0.002582	0.000213	-0.022285	-0.002231
8	721.8/281.3>GPA:16:0/22:5	-0.143672	-0.109338	0.119264	-0.029032	-0.059127	-0.008042	0.060473	-0.017439	0.01857	-0.118687
9	723.8/283.3>GPA:18:0/20:4	-0.063071	-0.003776	0.169469	-0.042068	0.282979	0.160269	0.018137	0.07177	-0.054298	0.0545
10	731.8/283.3>GPA:38:0	-0.133751	-0.088425	0.160192	-0.077478	-0.021825	0.131253	0.039929	0.033861	-0.032421	-0.012855
11	757.8/281.3>GPA:40:1	-0.121096	0.011659	0.045474	-0.078979	0.240893	-0.09927	-0.122863	0.055759	0.052087	-0.165888
12	759.8/283.3>GPA:40:0	-0.111225	-0.014334	0.070589	-0.109236	0.169359	0.24622	-0.06672	0.067571	0.079328	0.206746
13	483.4/255.3>GPGro:Lyso 16:0	-0.118273	-0.081409	0.17009	-0.025946	-0.230708	0.02773	0.014837	0.055211	-0.090173	0.01586
14	507.4/279.3>GPGro:Lyso 18:2	-0.090743	-0.071027	0.160956	-0.08103	-0.271364	0.047329	0.018055	0.107301	-0.156182	0.026178
15	509.4/281.3>GPGro:Lyso 18:1	-0.037456	-0.094046	0.187132	0.003671	-0.232289	0.069563	-0.113387	0.178623	0.031392	0.070213
16	511.4/283.3>GPGro:Lyso 18:0	-0.100083	-0.126027	0.161488	-0.030663	-0.216164	0.015789	0.026086	0.081924	-0.116519	0.003588
17	743.8/279.3>GPGro:18:2/16:1	0.012676	0.092832	-0.220208	0.009716	0.118367	-0.05035	-0.068267	0.197642	-0.197009	0.082559
18	769.8/279.3>GPGro:18:2/18:2	0.049876	0.069104	-0.207645	-0.164377	-0.122231	0.143708	-0.109361	0.107564	0.083218	0.131945
19	771.8/279.3>GPGro:18:2/18:1	-0.000085	0.020332	-0.087904	-0.135037	0.222181	-0.215894	0.21778	0.00505	-0.118614	-0.145871
20	773.8/279.3>GPGro:18:2/18:0	-0.044287	-0.163224	0.044698	-0.117062	-0.065187	-0.072302	0.204984	0.163271	-0.244948	-0.096974
21	775.8/281.3>GPGro:18:1/18:0	-0.04127	-0.181142	0.149227	0.005898	-0.122326	0.014301	0.142247	0.172056	-0.028331	-0.104295
22	777.8/283.3>GPGro:18:0/18:0	-0.133566	-0.126683	0.092927	-0.061615	-0.096055	-0.03602	0.087327	-0.016353	0.003228	-0.09464
23	476.6/196.1>Lyso GPEtn:Lyso18:2a	0.047003	0.042893	-0.054623	-0.303944	-0.011687	0.096923	-0.013846	-0.159327	0.000645	-0.207931
24	478.4/196.1>Lyso GPEtn:Lyso 18:1	0.017312	0.026458	-0.09234	-0.226326	-0.034146	0.242498	-0.163798	-0.130491	0.192281	-0.100684
25	480.4/196.1>Lyso GPEtn:Lyso 18:0	-0.096099	0.025982	-0.094248	-0.043294	-0.015833	0.252967	-0.023831	-0.115626	0.175071	0.144584
26	500.4/196.1>Lyso GPEtn:Lyso 20:4	0.084543	0.104938	-0.04126	-0.095886	-0.064818	0.229163	-0.179038	-0.026108	0.117492	-0.101779
27	524.4/196.1>Lyso GPEtn:Lyso 22:6	0.09432	0.143258	-0.000925	-0.075798	-0.061317	0.160141	-0.142357	-0.007305	0.176584	-0.018137
28	520.4/184.1>GPCho:Lyso 18:2	-0.05199	0.108223	-0.060229	-0.25573	-0.084307	0.016521	0.090956	-0.149771	-0.023146	0.012253
29	544.4/184.1>GPCho:Lyso 20:4	0.015253	0.210931	0.135657	0.01189	-0.05828	0.052892	0.093578	-0.121718	0.070382	0.02207
30	568.4/184.1>GPCho:Lyso 22:6	0.033445	0.197687	0.147064	-0.073423	-0.053519	-0.081787	0.120133	-0.066067	0.124541	0.116244
31	570.4/184.1>GPCho:Lyso 22:5	0.047111	0.178615	0.148446	-0.106737	-0.03494	-0.060219	0.188308	-0.092241	0.1474	0.031387
32	678.5/184.1>GPCho:28:0a	-0.099252	-0.113613	-0.032926	-0.104635	0.053261	-0.023572	0.051613	0.023606	0.286954	0.050999
33	704.6/184.1>GPCho:30:1a	-0.154288	0.095283	-0.001522	0.052447	0.040543	-0.076895	-0.13245	-0.102575	-0.110244	0.009176
34	732.6/184.1>GPCho:32:1a	-0.109662	-0.072652	0.022786	0.135472	0.076607	0.054532	0.073299	-0.123088	0.15842	-0.233368
35	734.6/184.1>GPCho:32:0a	-0.090785	-0.077283	0.022096	0.227134	0.130929	-0.065625	-0.130447	-0.019362	0.103994	-0.220221
36	742.6/184.1>GPCho:34:2p, 34:3e	-0.061789	-0.11954	0.050356	-0.199962	0.078043	-0.186729	-0.04261	-0.062981	0.056927	0.111583
37	744.6/184.1>GPCho:34:1p, 34:2e	0.077649	-0.0196	-0.006817	-0.297543	0.010533	-0.133855	-0.109478	-0.037072	-0.077505	-0.172323
38	748.6/184.1>GPCho:34:0e	-0.076943	-0.125434	0.034475	-0.023799	0.118755	-0.207432	-0.251905	0.002736	0.148697	-0.110468
39	756.6/184.1>GPCho:34:3a	-0.088669	-0.211479	-0.06835	-0.060211	-0.012656	-0.01722	-0.013986	-0.010455	0.054268	0.018331
40	758.7/184.1>GPCho:34:2a	0.057768	-0.146824	-0.146288	0.011061	-0.089254	0.066453	-0.113249	0.206877	-0.184414	-0.013593
41	762.6/184.1>GPCho:34:0a	-0.034017	-0.150023	0.024662	0.148357	0.122034	0.010308	0.03588	0.021249	0.21296	-0.347652

	A	B	C	D	E	F	G	H	I	J	K
42	768.6/184.1>GPCho:36:3p, 36:4e	0.121453	0.084894	0.187545	-0.05081	0.020841	-0.076741	-0.175693	0.012229	-0.010081	-0.030557
43	770.6/184.1>GPCho:36:2p, 36:3e	0.093503	-0.028893	0.107059	-0.257621	0.034227	-0.132539	-0.154521	-0.026585	-0.058568	-0.099709
44	772.6/184.1>GPCho:36:1p, 36:2e	-0.013664	-0.177154	-0.044607	-0.176604	0.014884	-0.134653	-0.149144	-0.029688	0.080572	-0.030559
45	782.6/184.1>GPCho:36:4a	0.12604	0.049013	0.090783	0.205531	0.018094	0.106091	0.012688	0.074917	-0.009156	-0.065152
46	784.6/184.1>GPCho:36:3a	0.139635	-0.061683	0.017312	-0.032091	0.02414	0.119775	0.186636	0.081093	0.091228	-0.089299
47	786.6/184.1>GPCho:36:2a	0.08489	-0.114107	-0.147069	-0.204085	-0.060547	0.028849	0.109329	0.061199	0.052947	-0.069797
48	788.6/184.1>GPCho:36:1a	-0.059992	-0.191384	-0.111294	-0.077718	0.033847	-0.046591	0.111304	-0.045181	0.219591	-0.01716
49	792.6/184.1>GPCho:38:5p, 38:6e	0.085459	0.057513	0.192085	-0.101454	0.041294	-0.208031	-0.095492	0.042218	0.12581	0.117068
50	794.6/184.1>GPCho:38:4p, 38:5e	0.115752	0.086103	0.198096	-0.031671	-0.009184	-0.110401	-0.192561	0.030088	-0.024793	-0.04978
51	796.6/184.1>GPCho:38:3p, 38:4e	0.108576	0.051391	0.200978	-0.016808	0.026677	-0.114279	-0.223742	0.056669	-0.00904	-0.024937
52	808.6/184.1>GPCho:38:5a	0.15109	0.064136	0.138053	0.033516	0.008324	-0.038225	0.140645	0.096881	0.133774	0.014498
53	810.6/184.1>GPCho:38:4a	0.14192	0.035031	0.103862	0.135698	0.027069	0.044677	0.109981	0.057251	0.058768	-0.015891
54	814.6/184.1>GPCho:38:2a	-0.168061	0.01458	0.023281	0.080778	0.047353	-0.108656	-0.066927	-0.13411	-0.044696	0.089191
55	816.6/184.1>GPCho:38:1a	-0.140782	-0.068615	-0.069336	-0.045149	0.007233	-0.142146	0.024884	-0.081202	0.006676	0.285196
56	820.6/184.1>GPCho:40:5p, 40:6e	0.120444	0.072677	0.17492	-0.058638	0.003734	-0.187906	-0.090772	0.051621	0.113316	0.106219
57	826.6/184.1>GPCho:40:2p, 40:3e	-0.0999	-0.2025	-0.034145	0.026501	-0.014882	-0.068992	-0.096396	0.046036	0.141188	0.101885
58	828.6/184.1>GPCho:40:1p, 40:2e	-0.122261	-0.151749	-0.042384	-0.001044	-0.015252	-0.076554	-0.108916	0.146884	0.187789	0.069626
59	834.6/184.1>GPCho:40:6a	0.129983	0.074804	0.145563	0.008561	0.037131	-0.103612	0.161081	0.072239	0.162893	0.094545
60	836.6/184.1>GPCho:40:5a	0.086836	-0.056007	0.08484	0.076852	0.062332	-0.152752	0.227051	0.126787	0.271234	0.204549
61	703.8/184.4>SM:d18:1/16:0	-0.153721	0.103874	0.013524	0.045085	0.031154	-0.089226	-0.136476	-0.083329	-0.1424	0.034185
62	731.8/184.4>SM: d18:1 / 18:0	-0.150283	0.055277	-0.010158	0.151122	0.045114	-0.008587	-0.050561	-0.154254	-0.078536	0.093953
63	787.9/184.4>SM: d18:1 / 22:0	-0.037966	-0.041943	-0.118533	-0.242869	0.064219	-0.108742	0.233629	-0.128168	-0.101829	0.188674
64	813.9/184.4>SM: d18:1 / 24:1	-0.160759	0.05732	0.050806	0.07813	0.072064	-0.087265	-0.059831	-0.1318	-0.112361	0.082633
65	841.9/184.4>SM: d18:1 / 26:1	-0.112644	-0.167579	-0.09379	0.05597	0.018917	-0.029987	-0.048333	-0.015819	0.111428	0.254811
66	843.9/184.4>SM: d18:1 / 26:0	0.077411	-0.114434	0.0051143	0.058093	-0.10669	0.053972	-0.217583	0.11692	0.056407	0.253071
67	538.7/264.4>Cer: d18:1 / 16:0	-0.131827	0.08056	0.088649	-0.000591	-0.193491	-0.002652	-0.047736	-0.06645	0.082827	-0.048378
68	566.7/264.4>Cer: d18:1 / 18:0	-0.155767	0.047838	0.001359	0.114119	-0.060362	0.046698	-0.004451	-0.151826	0.044704	0.015998
69	594.7/264.4>Cer: d18:1 / 20:0	-0.165386	0.071428	-0.020739	0.058171	-0.043637	0.038345	0.017595	-0.051578	0.0987	-0.04138
70	622.8/264.4>Cer: d18:1 / 22:0	-0.161543	0.094158	-0.01582	0.002204	-0.033005	0.024961	0.098219	0.010481	0.086027	-0.052809
71	648.9/264.4>Cer: d18:1 / 24:1	-0.173225	0.060161	0.035752	0.056679	-0.042026	0.012362	0.015606	-0.064319	0.048258	-0.062783
72	650.9/264.4>Cer: d18:1 / 24:0	-0.137401	0.122163	-0.029801	-0.042195	0.051825	-0.004891	0.152443	0.036543	0.014461	-0.020823
73	700.7/264.4>MonoHexCer: d18:1 / 16:0	-0.128333	0.144003	-0.069931	-0.021664	-0.039722	-0.021156	-0.024894	0.230197	0.086046	-0.076519
74	728.7/264.4>MonoHexCer: d18:1 / 18:0	-0.163082	0.108849	0.001724	-0.000675	-0.000922	-0.019017	-0.022233	0.011177	-0.034964	-0.054021
75	784.8/264.4>MonoHexCer: d18:1 / 22:0	-0.126082	0.154886	-0.07689	-0.067744	-0.043425	-0.043977	0.004459	0.220546	0.05529	-0.045538
76	810.9/264.4>MonoHexCer: d18:1 / 24:1	-0.146268	0.141974	-0.025458	-0.004951	-0.035028	-0.054458	-0.015134	0.16461	0.03533	-0.069606
77	812.9/264.4>MonoHexCer: d18:1 / 24:0	-0.110929	0.156001	-0.073779	-0.059277	-0.073033	-0.054626	0.008158	0.26491	0.086597	-0.047137
78	862.7/264.4>DiHexCer: d18:1 / 16:0	-0.143347	0.1452	-0.054401	-0.006723	-0.023289	-0.055453	-0.020089	0.146302	0.036288	-0.022489
79	890.7/264.4>DiHexCer: d18:1 / 18:0	-0.14289	0.138144	-0.051237	-0.016802	-0.03494	-0.019055	0.015658	0.165947	0.065188	-0.032286
80	946.8/264.4>DiHexCer: d18:1 / 22:0	-0.141482	0.148477	-0.046266	-0.056936	-0.031934	-0.053765	0.0155	0.150457	0.034381	-0.005794
81	972.9/264.4>DiHexCer: d18:1 / 24:1	-0.152406	0.130954	-0.010727	-0.010645	-0.009513	-0.073488	-0.019662	0.082235	0.003582	-0.042136
82	974.9/264.4>DiHexCer: d18:1 / 24:0	-0.132608	0.15275	-0.043904	-0.0597	-0.033342	-0.073255	0.02452	0.184977	0.038167	-0.032157

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1	-0.074285	0.087505	-0.15083	0.01665	-0.236671	0.155521	-0.092429	0.126787	-0.016593	0.152693	-0.008054	0.105365	-0.1216	0.099226
2	0.16843	0.110508	0.058562	-0.168492	0.00353	0.125461	-0.134875	0.333729	0.192438	0.096096	0.050637	-0.027895	0.037061	-0.121827
3	-0.105386	0.068568	-0.225699	0.09703	-0.210982	-0.024603	-0.086359	0.081575	-0.119523	0.178049	0.02146	-0.069487	-0.12467	-0.00505
4	-0.059266	0.005609	-0.066528	-0.046699	-0.022232	-0.084444	-0.005992	0.014118	-0.034597	0.070442	-0.04144	-0.082442	0.056191	-0.031268
5	-0.089773	0.011456	-0.032717	-0.011198	-0.030841	-0.034263	0.051506	-0.007422	-0.006218	0.03369	-0.043543	-0.102171	0.045134	-0.02497
6	-0.027749	0.037914	0.050598	-0.073566	0.035661	-0.092268	0.033098	0.02724	0.010163	-0.01192	-0.022667	-0.062401	0.005074	-0.087084
7	0.120293	0.068805	0.121886	-0.046303	-0.010501	0.103883	-0.125275	0.198016	0.127426	-0.017878	0.02599	0.016863	0.068983	0.09219
8	0.086151	-0.122186	0.092847	-0.071617	-0.031336	0.075694	0.119618	0.07379	-0.003326	-0.049146	-0.05152	-0.25409	-0.019904	0.16059
9	0.030494	0.127332	0.147181	0.037334	0.062255	0.04697	-0.058208	0.079903	0.02661	0.123971	0.147666	0.476889	-0.042735	0.041516
10	-0.004045	0.001071	0.141747	0.029537	0.028033	0.009689	0.135236	-0.125049	-0.093994	-0.174816	0.054676	-0.078133	-0.178232	-0.162748
11	-0.075319	-0.024441	-0.012897	0.188152	-0.085323	0.114355	0.037007	-0.046736	-0.21135	-0.125279	-0.250599	-0.297204	0.012007	-0.107321
12	0.061918	0.018431	0.002709	-0.008403	0.141266	-0.198867	-0.046477	-0.043944	0.027072	-0.088124	-0.116741	-0.008694	0.059621	0.055681
13	-0.033126	-0.085504	0.019635	0.051467	-0.051276	-0.177546	0.009659	-0.116263	-0.131501	-0.068273	-0.052054	0.061608	0.015359	-0.057696
14	-0.062445	-0.071729	-0.020853	0.049506	0.010284	-0.056739	0.015661	-0.196251	-0.067691	-0.194104	0.03096	0.15342	0.038158	0.056054
15	-0.240019	-0.011291	-0.096633	0.188339	-0.086044	0.086642	0.046109	-0.070399	0.191059	-0.157273	-0.176415	0.184595	0.116892	0.08754
16	0.002135	-0.13223	0.062742	-0.037051	0.06755	-0.114086	0.026998	-0.13513	-0.110226	-0.115277	-0.001712	0.006826	0.026131	-0.050721
17	-0.196055	-0.003578	0.086882	-0.061038	-0.279927	0.203076	-0.002915	-0.165451	0.103906	-0.01854	-0.039273	-0.009369	0.174376	0.058281
18	-0.015819	0.048297	-0.080397	0.03491	0.16701	-0.157557	-0.106651	-0.109413	0.056902	-0.075352	-0.023836	-0.13711	-0.005536	-0.16536
19	0.004558	0.049761	0.177221	0.365179	-0.072588	0.280901	0.058257	-0.08709	0.10285	-0.009627	-0.214012	0.089104	-0.064427	0.022375
20	0.048943	-0.056384	0.026528	0.03786	0.19133	0.194507	-0.155067	-0.067416	0.078226	0.112568	-0.039729	-0.02742	0.14787	-0.071999
21	-0.068267	-0.094496	-0.127383	-0.049722	0.10179	0.193002	-0.120299	-0.024925	0.164144	0.156426	0.003283	-0.056402	0.065726	-0.011945
22	0.138252	-0.127168	0.095169	-0.008313	0.115772	0.071904	0.080561	0.063834	0.029164	-0.042523	-0.015001	-0.280783	0.018271	0.16526
23	0.002625	-0.109046	-0.039118	0.029972	-0.123526	0.19639	-0.044242	0.037444	-0.030528	-0.188878	0.110858	0.107561	0.016124	-0.055316
24	-0.025479	-0.187912	-0.102724	0.08437	0.126419	0.22691	-0.009622	0.110198	-0.111351	-0.069228	-0.00697	0.0843	0.180984	0.009205
25	-0.044847	0.071875	-0.124151	-0.004228	0.242236	0.44948	-0.049422	-0.156626	-0.112653	-0.106252	0.194401	-0.082928	-0.096312	0.022329
26	0.115538	-0.31159	0.223232	0.097723	-0.058543	-0.057579	0.037243	-0.018564	0.042849	0.248578	-0.07248	0.006888	0.014554	0.029454
27	-0.015515	-0.260344	0.297717	0.035608	-0.067239	-0.033857	-0.048054	0.008232	0.106426	0.139388	-0.088281	-0.023714	0.110494	0.107583
28	-0.143502	0.22652	-0.068374	-0.279009	0.025671	0.071234	0.172764	-0.125483	-0.035028	-0.129655	-0.050492	0.044898	-0.013259	0.063764
29	0.129941	0.109287	-0.14645	-0.105477	-0.083783	0.037108	0.03695	-0.200141	0.028379	0.050496	-0.298121	0.128442	0.147723	0.000909
30	-0.17151	0.061328	0.105546	-0.159459	-0.025616	-0.003091	-0.068804	0.020816	-0.056816	0.052072	-0.091255	-0.069309	0.098102	0.073319
31	-0.149261	0.041756	0.017424	-0.108306	-0.001381	-0.014514	-0.02734	0.019224	-0.131222	-0.032413	-0.087763	0.016762	0.214696	0.039681
32	0.060494	-0.219586	0.0066	-0.027916	-0.244957	-0.06713	-0.063786	-0.100503	0.288437	-0.259951	-0.108192	0.160927	-0.481147	0.02898
33	-0.025894	-0.141899	-0.019709	-0.126099	0.065996	0.083347	-0.062431	0.077614	0.067832	-0.091915	-0.036802	-0.026687	-0.071085	-0.207833
34	-0.247001	-0.027364	-0.167502	0.036723	-0.066804	-0.167529	-0.26407	-0.171458	0.278191	-0.009227	0.156075	-0.127855	-0.002653	0.136358
35	-0.115231	0.006518	0.025317	-0.149032	0.183629	0.076449	0.018631	0.034949	0.064595	-0.067563	-0.211018	0.184537	0.010236	-0.017856
36	0.018021	-0.136745	0.078513	-0.157858	-0.223101	0.042238	-0.066161	-0.303664	0.044157	0.243794	0.109312	-0.01609	0.130236	-0.272038
37	0.018796	0.011716	0.002983	-0.0152	-0.094276	-0.150195	-0.073584	-0.018252	0.050258	-0.087188	0.256868	0.059109	0.092794	-0.292517
38	0.110824	0.173088	-0.030782	-0.098462	0.056109	-0.120275	-0.139655	-0.009999	-0.014398	-0.249204	-0.101258	-0.022658	0.066305	0.137481
39	-0.021558	0.047894	-0.026319	0.000103	-0.067624	-0.000497	0.041696	-0.196963	-0.199253	0.287583	-0.118256	-0.060464	-0.028451	0.145854
40	-0.246409	0.053569	0.172259	-0.104308	-0.073857	-0.01754	0.057672	0.167541	-0.137151	0.020418	0.140036	0.034952	-0.087035	0.192619
41	-0.250648	-0.044416	-0.098463	-0.12004	-0.039451	-0.089179	0.207509	0.034751	-0.0348	-0.004339	0.118988	0.137649	0.220619	-0.081803

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
42	0.057818	-0.060404	-0.125127	0.0642	0.143511	0.004203	0.244077	-0.093925	0.177322	0.107643	0.045847	0.089824	-0.031862	0.021829
43	0.017956	0.01569	-0.160601	0.07881	0.001664	-0.080047	0.152577	0.014751	0.01153	0.087114	0.21566	-0.014822	-0.019223	0.004955
44	0.167525	0.233602	0.154005	0.02029	-0.093838	-0.046865	-0.246829	-0.020503	-0.207707	-0.099193	-0.047713	0.019153	0.173065	0.095797
45	0.264077	-0.02946	-0.047189	-0.028044	-0.145323	0.054517	-0.088866	-0.145953	-0.017211	-0.076238	-0.023101	0.068401	0.125072	-0.044962
46	0.129055	0.132636	-0.19527	0.110699	-0.221848	-0.06211	0.055267	0.000534	-0.050079	0.035975	0.131956	-0.125685	-0.256982	0.084459
47	-0.05175	0.144961	0.09394	0.174381	0.22465	-0.059404	-0.010448	0.107322	0.059861	0.073795	-0.100929	-0.01631	-0.124571	-0.079295
48	-0.09904	0.000087	-0.166815	0.12238	0.132653	-0.131381	0.124738	0.012163	0.069122	0.144571	-0.077621	-0.023061	0.190638	-0.005161
49	-0.202028	-0.074747	0.143182	-0.038885	0.124192	0.071068	0.088928	-0.096095	0.113521	0.152758	0.064735	-0.10943	-0.158026	0.073875
50	-0.014943	0.046872	-0.095778	0.145297	0.182403	0.029839	0.116086	-0.049058	0.036732	0.029247	-0.03671	0.101247	-0.035008	0.055757
51	0.203481	0.102564	-0.137262	0.021682	0.067001	0.038107	0.133928	-0.066958	0.049812	-0.023322	0.099245	-0.058151	-0.025081	0.158813
52	0.060686	-0.021493	0.040898	0.034573	-0.060278	-0.018538	-0.136267	-0.008267	-0.105269	-0.089567	0.065113	-0.051034	0.106319	-0.061156
53	0.325457	0.019926	-0.076952	0.127479	0.042692	0.040608	-0.066417	-0.11389	0.005731	-0.003136	-0.074472	-0.044556	0.080121	-0.087387
54	0.021736	-0.099766	-0.042988	0.104815	0.012962	0.009657	0.083065	0.126466	-0.060044	0.008865	-0.025646	-0.045249	-0.011496	-0.030128
55	0.074289	-0.20262	-0.137095	-0.031258	-0.012551	-0.092227	0.090931	0.170724	0.023696	0.090031	-0.079358	-0.003019	0.081192	0.132874
56	-0.073865	0.044146	0.155194	0.000558	0.05348	0.001941	-0.105632	0.03053	-0.065974	-0.09139	0.127925	-0.066576	-0.02278	0.183986
57	0.07093	0.016359	0.027453	-0.013939	-0.025198	0.104514	0.031964	-0.03737	-0.130787	0.16628	0.05728	0.15056	-0.001539	-0.009116
58	0.126139	0.086348	0.07318	-0.096261	-0.046294	0.080744	-0.055021	-0.071317	-0.029238	0.069072	0.038094	0.094238	-0.011505	0.054451
59	-0.151411	-0.023243	0.147962	-0.002168	0.083111	0.058902	-0.15598	0.048341	0.030021	-0.093156	0.036081	-0.074079	-0.090297	0.006738
60	-0.064965	-0.169095	-0.008422	0.122701	0.043524	0.068815	0.072917	0.150074	-0.183876	-0.119054	0.18135	0.105695	0.047867	-0.291617
61	-0.015708	-0.10718	-0.038367	-0.098488	0.058892	0.027037	-0.044723	0.034236	0.043827	-0.069627	-0.055106	0.010807	-0.072538	-0.210733
62	-0.018156	-0.011159	0.072991	0.084481	0.050804	0.006184	-0.133535	-0.21579	0.154455	-0.011951	0.259958	-0.082711	0.093446	0.031669
63	0.059126	0.039742	-0.055365	0.058537	0.137107	-0.179189	-0.008118	0.050497	0.277385	-0.098293	-0.047073	0.112692	0.124952	0.091638
64	0.042546	-0.105824	-0.000076	0.074563	0.022691	0.013023	0.001902	0.077243	-0.030524	-0.052076	0.006881	-0.00626	-0.020344	0.003998
65	0.083199	-0.028398	-0.096541	0.082	-0.000774	0.102146	0.093172	-0.106446	-0.111423	0.046194	0.033676	0.100812	-0.000727	-0.040869
66	-0.091384	0.200538	-0.073595	0.203916	-0.280368	0.147297	0.112554	0.248652	0.288181	-0.151919	-0.016308	-0.19652	0.222061	-0.131059
67	-0.029741	0.217741	0.155245	0.085465	-0.090322	-0.113365	0.042303	0.107353	0.006528	0.112314	-0.181491	0.016173	-0.117653	-0.339097
68	-0.039656	0.163253	0.19004	0.22953	0.050321	-0.062801	-0.028796	-0.100042	0.078477	0.048967	0.162831	0.021782	0.079411	-0.010055
69	-0.003061	0.203119	0.159777	0.134831	0.027478	-0.045133	0.114778	-0.112322	0.07972	0.071848	0.131683	-0.035674	0.057988	-0.049982
70	0.091481	0.11237	0.156655	-0.027228	-0.01454	-0.023984	0.323272	-0.028816	0.094369	-0.053012	0.09569	-0.032799	0.077347	0.004093
71	-0.003543	0.072984	0.15943	0.151737	-0.012974	-0.030176	0.13064	-0.014178	-0.062456	-0.030923	-0.004007	0.03807	0.008361	-0.011708
72	0.151547	-0.125706	0.057362	-0.047966	-0.155787	-0.015938	0.292854	0.099317	-0.007094	-0.165733	0.188448	0.039013	0.155548	0.163915
73	0.022099	0.098171	-0.03603	-0.162676	0.070369	0.059272	0.041158	-0.018128	0.056531	0.06133	-0.012243	-0.038022	-0.116731	-0.120437
74	-0.040571	-0.050981	-0.019146	0.218928	0.002214	-0.012966	-0.189301	0.008295	-0.079202	-0.039989	0.140773	0.064244	0.025365	0.132088
75	0.057348	-0.027549	-0.042653	-0.012012	-0.012553	-0.011595	-0.023076	0.060355	-0.007837	0.04156	-0.016145	0.075203	-0.005477	0.044645
76	-0.025457	0.052833	-0.038938	0.106822	0.057299	-0.005904	-0.100118	0.054179	-0.113019	0.038077	-0.050873	0.10896	-0.041314	0.03056
77	0.04659	-0.003708	-0.079153	-0.088888	-0.006827	0.001267	-0.034434	0.072318	0.051539	0.041748	-0.009541	0.13158	-0.032962	0.010475
78	0.008858	-0.077534	-0.078631	0.02559	0.042668	-0.083176	-0.099	0.086189	-0.023106	0.077031	0.056856	-0.037401	0.027088	-0.028347
79	0.085591	0.105184	0.002614	-0.078931	-0.002428	0.094891	0.040061	-0.101265	0.112986	0.017055	0.107576	-0.117146	-0.004703	0.004861
80	0.047752	-0.053017	-0.08387	0.081281	-0.050188	-0.032781	-0.060072	0.055053	0.011	0.000095	0.059007	-0.007418	0.089772	0.078444
81	-0.043889	-0.071704	-0.109396	0.201597	0.029953	-0.081407	-0.14846	0.056013	-0.109976	0.039422	0.009556	-0.020547	0.016569	0.04826
82	0.069307	0.02325	-0.113745	-0.084117	-0.00782	0.044231	0.007885	0.024732	0.03849	0.061814	0.075446	-0.063993	0.028943	-0.048722

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
1	-0.050561	0.06236	-0.011919	0.021192	-0.018657	0.152101	-0.069473	0.124866	-0.092824	0.012448	-0.152932	0.119552	-0.09735	0.190948
2	-0.174828	0.038498	0.046472	0.20331	0.271214	-0.069056	-0.123345	-0.231721	0.134919	-0.182547	0.004753	0.161439	0.021362	-0.007094
3	-0.045311	0.226546	-0.091742	-0.157871	0.10412	0.208252	0.110735	0.151909	-0.162965	0.074292	-0.13101	-0.010102	-0.035842	-0.112945
4	-0.017225	0.243763	0.047017	0.006678	-0.141899	-0.001191	-0.093031	-0.007331	-0.028019	-0.029341	0.069936	0.035511	0.051726	-0.052297
5	0.049219	0.152114	-0.016295	-0.00451	-0.119281	-0.038204	0	-0.001244	-0.028849	-0.047011	0.184014	0.041137	-0.059252	-0.036895
6	0.052775	0.046636	0.03067	0.028084	-0.044101	-0.094726	0.01032	-0.030129	-0.003407	-0.044239	0.137968	0.116134	-0.0648	0.238201
7	-0.134564	0.062921	0.094098	0.212293	0.225169	-0.040963	0.178088	-0.055459	-0.04411	0.098366	-0.060825	-0.186567	0.122755	0.176958
8	-0.039568	-0.205548	-0.09029	-0.372872	-0.011442	0.078973	0.064919	0.010169	-0.044652	-0.063689	-0.022515	0.100002	-0.01009	0.184614
9	0.17659	-0.41921	-0.0733	-0.184701	0.148903	-0.130741	-0.022459	0.114637	-0.12675	0.084861	-0.137316	0.08056	-0.099144	-0.212977
10	-0.031904	0.018864	-0.056809	0.081582	0.16214	0.06253	0.071251	-0.216156	-0.024979	-0.003924	0.232486	0.139999	-0.038243	-0.29896
11	0.038073	-0.177783	0.062492	0.089817	0.175174	0.150115	-0.227581	0.207312	0.135391	-0.213471	-0.202352	0.06022	0.130435	-0.04254
12	-0.139017	-0.100941	-0.007197	-0.107187	-0.050216	0.091905	0.008495	-0.072312	0.230007	0.00729	-0.225748	-0.293591	0.162215	0.195734
13	0.034944	0.012217	0.07939	-0.012605	0.032768	-0.137224	0.062047	0.166756	-0.032448	-0.104626	-0.066745	-0.000549	-0.085961	0.005038
14	0.000171	0.036916	0.095771	0.170839	0.009261	-0.041141	-0.095981	0.02096	-0.004218	0.128896	0.005953	-0.082835	0.117732	0.096339
15	-0.066454	-0.108448	-0.037025	0.110539	0.015473	0.169187	-0.174156	0.027433	-0.053189	0.127119	0.201295	0.157023	0.113623	0.107529
16	0.130106	0.006173	0.035608	-0.007683	0.103703	-0.148918	-0.019678	0.071044	-0.09228	0.000277	-0.047299	-0.036665	-0.057902	-0.13981
17	-0.379543	-0.028297	0.179473	-0.184565	0.11724	0.011141	0.231275	-0.11511	-0.173826	0.011344	-0.049557	0.041632	0.112496	-0.146488
18	-0.285713	-0.136834	0.067533	-0.073767	0.236256	-0.094985	-0.035728	0.044561	0.039037	-0.050899	-0.166947	0.087864	-0.354955	-0.051671
19	0.026616	0.060769	-0.048037	0.073563	0.134395	-0.072452	-0.082169	-0.096842	-0.021188	-0.013549	0.12309	-0.045292	-0.115728	0.050744
20	-0.030428	0.212311	0.144067	-0.110918	0.003557	-0.082886	0.096664	0.017635	0.029126	0.024781	-0.144676	-0.153204	-0.178293	-0.080227
21	-0.122753	-0.056105	-0.003074	-0.050449	-0.293268	0.233588	0.050591	0.059182	0.118449	-0.03978	0.048097	-0.043308	-0.047521	-0.127877
22	0.09451	-0.232353	-0.136561	-0.252642	-0.011644	0.005445	0.082789	-0.007618	-0.149297	0.036779	0.016248	-0.014529	0.008503	0.026352
23	0.050566	0.139049	0.255913	-0.220452	-0.182334	-0.353996	-0.076627	0.169735	0.181742	0.083809	-0.079742	0.154375	0.073635	0.103095
24	0.041848	0.020789	-0.009187	-0.014262	-0.084704	-0.030142	0.154105	-0.150765	0.1693	0.02803	-0.003814	0.098073	0.043696	-0.138153
25	-0.065401	-0.03152	-0.128345	0.207383	-0.107376	0.01346	-0.001773	0.15346	-0.288374	-0.187344	0.017667	-0.06577	-0.071056	-0.070388
26	0.038327	0.072743	0.023894	-0.00098	0.082745	0.082577	-0.018814	0.004803	-0.226795	0.127288	0.082383	0.00612	0.030865	-0.038172
27	0.024388	0.036533	0.152346	0.056094	-0.019735	0.128601	-0.070179	0.045009	-0.123162	0.047341	0.041609	-0.108866	-0.069354	0.008829
28	0.087212	-0.11265	-0.006366	-0.077098	0.100471	0.013918	0.111962	-0.239391	-0.02552	0.115372	0.112005	0.01068	0.070518	0.172207
29	0.078439	0.019911	-0.08324	-0.031316	0.155165	0.009743	0.224177	0.136907	0.093883	-0.12041	0.075983	-0.032246	0.068749	-0.054701
30	0.080182	-0.028171	0.136316	0.015498	0.127114	-0.002366	0.025368	0.158881	0.177945	-0.08282	0.064401	-0.118258	-0.028742	-0.129481
31	-0.007392	0.028363	-0.023195	-0.08551	-0.006077	-0.030472	-0.197048	-0.207151	-0.105648	0.028187	-0.034695	-0.244337	-0.22062	-0.102667
32	0.063396	0.182025	-0.081055	-0.077508	0.003736	0.000531	0.137169	-0.086155	0.014844	-0.188698	-0.082132	-0.083195	-0.10443	-0.076131
33	-0.1654	0.003018	-0.076774	-0.083507	0.075429	0.054371	-0.172644	-0.034636	0.027963	0.191403	0.11413	-0.030105	-0.039948	-0.099814
34	0.115922	-0.06987	0.060605	0.014828	0.125883	-0.184937	-0.164021	-0.115015	-0.057298	-0.007793	-0.046724	-0.002062	0.034485	-0.008698
35	-0.20838	0.074722	-0.155561	0.021108	-0.070807	-0.19986	-0.033879	0.282863	-0.093355	0.034465	0.023902	-0.232593	-0.051722	0.051916
36	0.109398	-0.169386	-0.224538	0.242723	-0.154374	0.048189	0.062072	-0.110399	0.156481	0.158812	-0.256149	0.05473	-0.042956	-0.028882
37	-0.050292	-0.070885	-0.026021	0.00758	0.044917	0.13601	0.11061	0.174366	-0.215594	-0.288283	0.143422	-0.194285	-0.018729	0.21445
38	-0.041094	0.09212	0.062651	0.08915	-0.074357	0.058155	0.207778	0.032593	-0.216474	0.310828	-0.164696	0.125903	0.017061	-0.133129
39	-0.16449	0.045467	-0.058209	-0.02771	-0.020111	-0.262296	-0.070645	-0.157477	-0.085057	-0.008939	-0.084268	0.085485	-0.020861	0.192953
40	0.091126	0.120627	-0.180603	0.043131	-0.042826	-0.020905	0.044433	0.026319	0.05665	-0.187696	-0.177658	0.045606	0.057817	-0.05507
41	0.008072	-0.031463	0.123103	0.010417	0.033414	0.116967	0.133036	-0.082548	0.022442	-0.099619	0.085163	0.060765	-0.165157	-0.042211

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
42	-0.129599	-0.044455	-0.064978	-0.110602	-0.009167	-0.076922	0.187477	-0.037919	0.05214	-0.121849	-0.023008	0.025546	0.012023	0.07459
43	-0.115924	-0.10775	0.018744	0.04097	-0.002402	-0.019944	-0.098418	0.008088	-0.142249	-0.00045	0.050065	-0.147977	0.234995	-0.11972
44	-0.02594	0.036592	-0.134188	-0.051887	-0.058603	-0.004803	-0.019883	0.018849	-0.027999	-0.014937	0.219767	-0.026682	-0.054467	0.021559
45	-0.058344	-0.033414	-0.003531	0.004535	-0.012793	-0.000914	0.068737	0.054523	0.102756	-0.232973	0.019501	0.052844	-0.02569	0.080521
46	-0.253327	-0.208105	0.208053	0.026048	-0.050118	-0.053186	-0.009173	0.086447	0.143156	0.294818	0.15139	-0.201903	-0.095852	-0.082991
47	0.093317	0.054951	-0.03828	0.090491	0.118199	0.169075	0.051986	0.080988	0.023363	0.080868	-0.04334	-0.070812	-0.002926	0.027594
48	0.064365	0.101972	-0.051751	-0.054905	0.11203	-0.037194	0.000369	0.012758	-0.037076	0.015516	-0.039402	0.035585	0.099898	-0.084245
49	-0.062647	-0.022346	-0.047235	0.120602	-0.084353	-0.196897	0.07086	0.11465	0.097059	0.072284	0.138698	-0.053963	-0.054564	0.111656
50	-0.040671	0.049007	0.023198	-0.024315	0.120257	-0.037524	-0.127863	-0.120055	0.023673	-0.066489	-0.220516	0.107394	-0.078394	0.072107
51	0.077469	0.249712	0.077927	-0.069697	-0.001211	0.116917	-0.014626	-0.158925	0.05828	-0.029083	-0.069749	-0.010179	-0.089135	-0.168251
52	-0.083355	-0.018231	-0.043611	-0.033294	-0.155407	-0.069156	-0.199085	-0.168185	-0.225879	-0.001026	-0.059057	0.079718	-0.109966	0.048676
53	0.055067	0.000282	-0.113247	0.04914	-0.039639	-0.095596	0.014181	0.003681	-0.148842	0.052278	0.029985	0.078975	0.105294	-0.018637
54	0.088437	-0.113797	0.289876	0.085726	-0.005273	-0.041937	0.080624	-0.051105	-0.059156	-0.057538	0.049555	-0.133487	-0.079408	0.036945
55	-0.114245	-0.005683	0.075776	0.053043	0.039031	-0.232485	0.013965	0.055904	-0.148746	-0.21987	0.066092	-0.005025	0.041334	-0.141961
56	-0.005797	0.114823	0.013952	-0.102184	0.032097	-0.003643	-0.032327	0.024963	0.091418	-0.09059	0.126649	0.081705	-0.134629	-0.064869
57	0.018304	0.038085	0.090674	-0.164317	0.071331	0.075802	-0.114395	0.09008	0.172185	-0.007182	0.101442	-0.082032	0.002693	-0.038603
58	0.047883	-0.048076	0.241529	-0.095934	0.027632	0.065403	-0.124276	0.09151	0.117802	0.017584	0.170103	0.028924	0.04329	-0.061696
59	-0.111246	-0.092868	0.077077	0.052928	-0.074807	-0.034254	0.151958	0.089467	0.000157	-0.044984	-0.074472	0.224163	0.269113	-0.050166
60	-0.04762	0.154264	0.020678	-0.144972	0.148708	0.077918	0.070799	-0.051969	-0.087565	0.122975	-0.112768	-0.058664	0.193648	0.164645
61	-0.014448	0.011638	-0.104474	-0.11841	-0.050496	0.047714	-0.153867	0.017388	0.08606	0.197688	0.008499	-0.076013	-0.02979	-0.073235
62	0.055319	0.145635	0.022556	-0.156814	0.11628	0.031187	-0.087383	0.019231	0.033122	0.01691	0.041239	0.082655	0.042116	0.124586
63	-0.013251	0.003234	0.05958	-0.005754	-0.233382	0.187977	-0.090106	0.107363	-0.01095	-0.069668	0.072484	0.213176	-0.000784	-0.078748
64	0.099418	-0.15271	0.312123	0.153649	-0.155833	0.032262	0.075677	-0.100908	-0.079547	-0.046796	-0.033749	0.027377	-0.08167	0.017445
65	-0.03475	0.050388	0.065317	-0.0493	0.044417	0.015858	-0.022778	-0.049233	-0.021824	-0.018755	0.104789	0.027689	-0.032087	0.098066
66	0.262146	-0.068119	-0.11685	-0.065389	-0.07271	-0.168436	0.054466	-0.005453	0.005534	0.052318	-0.029506	-0.156448	-0.196908	0.003503
67	-0.147839	0.022662	-0.013216	-0.155625	-0.251967	-0.204903	0.016106	-0.056122	-0.064958	-0.082821	0.043813	0.058603	0.197379	-0.115051
68	-0.10651	0.068515	0.008333	-0.028389	-0.058869	0.015615	0.094317	0.048919	-0.001921	-0.038654	-0.018798	0.024223	-0.009354	-0.015783
69	-0.076684	0.000782	0.04215	-0.119287	-0.057781	0.085588	-0.048306	0.036811	0.024918	-0.084278	-0.006312	0.0159	-0.010466	0.001107
70	-0.061615	0.105918	-0.014858	0.040685	-0.09311	-0.077855	-0.119439	0.076661	0.032498	0.077298	-0.131057	0.015492	0.037646	-0.045542
71	-0.083814	-0.008992	0.073004	0.157572	-0.142086	0.082705	0.206008	-0.066434	0.11954	0.053154	-0.108842	-0.019347	-0.125196	-0.049398
72	-0.202912	0.080361	-0.200177	0.155508	0.062787	0.028051	-0.110812	0.161861	0.082084	0.055151	-0.091296	0.024902	-0.192854	0.01982
73	0.142468	0.042645	0.109717	-0.022523	-0.022961	0.001582	-0.066647	-0.02498	-0.052794	0.003292	0.051394	0.017381	0.01217	0.148554
74	-0.032947	-0.008803	-0.213236	-0.083446	-0.046634	-0.019172	0.016928	-0.254201	0.158508	-0.125163	0.114358	-0.306708	0.168721	-0.051227
75	-0.020507	-0.013389	-0.086187	0.017189	-0.080082	0.057028	-0.164589	-0.111747	-0.028774	-0.098276	-0.070773	-0.022543	0.053426	-0.004792
76	0.067621	-0.066302	0.146242	-0.03065	-0.113998	0.042098	0.083359	-0.150836	-0.070572	-0.00046	-0.093546	-0.001571	-0.091584	0.083658
77	-0.031289	-0.098193	0.031481	0.031519	-0.113677	0.064802	-0.097501	-0.083503	-0.098091	-0.135049	-0.017399	0.01577	-0.092331	0.056134
78	-0.014124	0.038768	-0.13549	-0.062589	0.148799	0.007973	0.130026	0.089181	0.067973	0.194107	0.158645	0.251979	-0.111817	0.178486
79	0.225463	0.099981	0.104932	0.043732	0.048083	-0.000552	0.024726	0.100148	-0.073147	-0.021329	-0.123713	-0.099518	0.142614	0.046584
80	-0.003146	-0.069189	-0.132173	0.077246	0.075824	-0.148346	-0.019117	0.058158	0.099517	0.018657	0.010869	0.050911	0.224058	-0.205418
81	-0.005774	-0.020649	-0.112098	0.118858	-0.008722	-0.114916	0.254059	0.035484	0.151161	0.02835	0.136343	0.089812	-0.16015	0.1023
82	0.134936	0.043496	0.010294	0.053907	0.054905	-0.140191	0.073443	0.041562	-0.094574	0.073873	0.107607	-0.039879	0.040973	-0.099302

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
1	-0.124084	0.047184	-0.035528	0.213023	-0.073775	0.048422	-0.085349	0.241054	-0.11462	0.321692	-0.164962	0.166718	-0.281427	0.002538
2	-0.039809	0.112433	0.061286	-0.050748	0.062951	-0.021134	0.095243	0.087713	0.114056	-0.094208	0.173421	0.06399	0.032141	-0.048799
3	0.005248	0.003649	0.192493	0.051322	0.097874	0.029308	0.091295	-0.136581	0.048669	-0.121207	0.142955	-0.007388	0.125736	0.024447
4	0.185944	0.050636	-0.096172	-0.140106	0.189981	0.018851	0.025127	0.021589	-0.117442	-0.014989	0.051328	0.308356	0.038269	0.036229
5	0.116353	0.081818	-0.041835	-0.015948	0.008473	0.035848	0.065143	0.176737	0.045838	-0.058039	-0.000643	-0.034914	-0.183166	0.095161
6	-0.06662	0.119218	-0.045953	0.013177	-0.013378	0.034063	-0.072832	-0.027732	-0.070814	-0.051972	-0.057103	-0.202861	0.062292	-0.010058
7	0.146835	-0.194634	0.103205	0.093165	0.005444	-0.155649	0.036998	-0.077571	0.095726	-0.015338	-0.190821	-0.255681	-0.024161	0.041036
8	0.049842	-0.027964	-0.012021	0.082329	0.215148	-0.003032	-0.006746	-0.116686	-0.115611	-0.025196	0.073235	-0.056628	0.035437	0.144731
9	0.044733	-0.039087	-0.135204	0.017014	-0.131019	0.046128	-0.014106	-0.054139	0.04124	0.037242	0.012738	0.017914	0.011307	-0.011929
10	-0.161626	-0.071144	0.269916	0.068172	0.002731	-0.104156	-0.283556	-0.041825	-0.1216	0.093649	-0.125155	0.093565	0.113148	0.10033
11	-0.119874	0.067425	-0.085005	0.024224	-0.173224	-0.056579	0.091515	0.044258	0.145808	-0.034014	-0.09774	-0.081415	-0.036227	0.118581
12	-0.228941	-0.073074	0.097084	0.001784	-0.027566	-0.008387	-0.0631	-0.062868	0.020602	0.198908	0.164015	0.033993	-0.06437	-0.262136
13	-0.088069	0.020267	0.119148	0.049979	0.032757	-0.020265	0.092894	-0.020955	0.023251	0.006591	0.011022	-0.089637	0.00106	-0.144925
14	-0.023844	-0.064562	-0.120016	0.038281	0.006886	0.017585	0.023312	-0.159912	-0.167399	-0.057455	0.043474	0.031805	-0.225431	0.138536
15	0.216196	0.091861	-0.08793	-0.046146	-0.006745	0.030483	-0.03103	-0.005003	0.064457	0.040591	-0.033634	0.07787	0.312079	-0.156089
16	-0.077492	-0.014372	0.146201	-0.063347	-0.085658	-0.094355	0.17908	0.216781	0.052992	0.022148	0.078432	-0.066067	-0.08093	-0.07758
17	0.02342	-0.065324	0.019206	-0.063135	0.069164	-0.198873	0.124342	-0.051108	0.046413	0.138221	-0.002376	0.033318	-0.119506	-0.011084
18	0.160542	0.061936	-0.081897	0.12511	0.111996	0.079256	-0.189257	0.251834	-0.002427	0.06687	-0.135232	0.017979	0.008848	0.015786
19	-0.123554	0.042044	0.108396	0.002837	0.110117	0.105463	-0.094127	0.004669	-0.095249	0.002453	0.058759	-0.047345	-0.027652	-0.308076
20	-0.164573	0.058304	-0.124306	-0.007703	-0.159663	0.248892	0.076775	-0.079465	0.052524	-0.022178	0.008483	0.220536	0.098885	0.135424
21	0.041342	0.025218	-0.127563	-0.015935	-0.125129	-0.024177	-0.301974	-0.002906	0.126501	-0.047127	-0.022271	-0.286758	-0.126316	0.006216
22	0.095275	0.082719	-0.02194	-0.087448	0.111114	-0.061741	0.058654	0.097853	-0.046714	0.041715	-0.043076	0.164764	-0.000688	-0.168432
23	0.101104	-0.079042	0.147705	-0.071238	0.079004	-0.07115	-0.279303	0.003312	0.152761	0.052049	0.074724	-0.088322	0.106898	-0.012675
24	-0.021984	0.218706	0.030252	0.012417	-0.113687	-0.044184	0.272896	-0.028597	-0.253089	0.019761	-0.186211	0.099332	-0.078314	-0.054665
25	-0.092627	-0.17151	-0.043217	-0.105599	0.056453	0.013586	0.106151	-0.132024	0.083758	0.004306	0.14325	-0.048199	0.090878	-0.097261
26	-0.106208	-0.09899	0.066105	0.065957	-0.045086	0.060066	-0.077509	0.082846	-0.094944	-0.069787	0.01473	-0.01126	-0.078626	0.091072
27	-0.187839	0.039729	-0.185916	0.031283	0.043547	0.017962	-0.018958	-0.000694	0.161595	-0.046449	0.102834	-0.073138	0.124442	0.030046
28	-0.13462	0.202109	-0.191723	0.037571	-0.092513	0.086399	-0.045251	-0.017526	0.128118	-0.133937	0.037419	-0.015001	-0.116957	0.1366
29	0.055224	0.082983	0.098322	-0.250752	-0.035905	-0.05616	-0.031563	0.171052	0.012697	0.128765	0.055455	-0.183336	0.106582	0.116785
30	-0.006045	-0.167846	-0.002294	0.003528	0.032371	0.09303	-0.180285	-0.071347	-0.063686	-0.159458	0.010266	0.199332	0.053244	-0.017274
31	0.063588	-0.007152	0.045384	0.026492	0.149994	-0.134276	-0.011682	-0.049217	-0.00058	-0.165915	-0.212995	-0.026986	-0.071313	-0.177037
32	0.161291	0.015348	-0.141711	0.036002	-0.142301	-0.070656	0.079777	-0.034545	0.122753	-0.161318	0.002309	0.044665	-0.066041	0.005096
33	0.050018	-0.127414	-0.026265	-0.00871	-0.101445	0.061696	0.022538	-0.081358	-0.158771	0.138979	0.121589	-0.084715	-0.068001	0.10393
34	-0.23722	-0.059879	-0.085024	-0.279968	0.211691	-0.043764	-0.029026	-0.026061	0.005174	0.162682	-0.014765	0.113289	-0.030395	0.134796
35	-0.10467	0.114196	0.0146	0.096686	0.062556	-0.299364	-0.08657	0.073306	-0.232601	-0.115763	-0.119889	0.039214	0.006522	0.099387
36	-0.00448	0.074797	-0.016946	-0.030534	0.101203	-0.137712	-0.024471	-0.103099	-0.141051	-0.012182	-0.039356	-0.063235	0.143984	0.019714
37	0.057783	-0.014784	-0.019076	-0.104025	0.026319	0.110579	-0.011387	-0.047377	-0.18565	-0.004773	-0.03683	-0.045215	-0.136192	-0.042225
38	-0.116694	0.180264	0.126822	-0.062189	0.071021	0.358372	-0.068733	0.008941	0.065969	-0.089697	-0.011078	-0.077296	0.044823	-0.102306
39	0.038312	-0.271118	-0.033891	0.020708	-0.237658	0.019157	0.034045	0.211259	-0.134214	-0.07556	0.109125	-0.086826	0.184582	0.002599
40	-0.071472	0.117495	0.019954	-0.059218	0.12641	-0.061415	-0.115809	0.021863	0.069419	0.00591	-0.120531	-0.052856	0.019484	-0.055552
41	-0.06138	-0.176166	-0.002746	0.276833	-0.067181	0.128632	0.040937	0.019026	0.081348	0.143284	0.099937	-0.042585	0.107385	-0.087551

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
42	-0.09177	-0.082873	0.051341	0.077407	0.125226	0.090953	-0.009948	0.050949	0.057609	-0.031977	-0.034599	0.092206	0.118189	0.140987
43	0.000358	-0.029078	0.014654	-0.090193	-0.115052	-0.15031	-0.061333	0.121792	0.17723	-0.146931	-0.026491	0.101963	-0.04646	-0.039685
44	0.077044	-0.10134	-0.141454	0.109348	-0.117842	-0.142065	-0.061532	-0.029789	0.083438	0.086721	0.184965	0.293658	0.108568	0.132318
45	-0.036152	0.00613	0.03393	0.073122	-0.021137	0.049377	0.163544	-0.118488	-0.031432	-0.040881	0.010513	0.207384	-0.042373	-0.124288
46	-0.080481	0.144823	0.006007	0.029881	-0.071757	-0.042582	0.124246	-0.070454	-0.17677	-0.053754	-0.010544	-0.059964	0.134076	-0.029605
47	0.101618	0.027761	-0.072512	-0.067139	0.097811	-0.036846	0.031377	-0.049112	-0.036021	0.159781	0.024383	-0.031488	-0.010933	0.077722
48	0.313259	-0.122449	0.163631	-0.030024	-0.11913	0.067126	0.005862	-0.182777	-0.071073	0.048804	0.05791	-0.052958	-0.204664	-0.085516
49	0.035891	0.139009	0.273236	0.029555	-0.014415	0.113526	0.191774	-0.007877	0.236405	0.247762	-0.005872	0.148867	-0.101257	0.001252
50	0.074317	-0.020045	-0.130401	-0.032989	0.144588	-0.058312	0.143531	-0.15938	-0.103108	-0.210998	0.062074	-0.075847	0.025131	0.097018
51	-0.085565	-0.095932	-0.179169	0.005751	-0.062661	-0.175931	-0.168332	-0.002473	-0.105497	0.106158	-0.051814	-0.014691	-0.034398	-0.191108
52	0.123342	0.083476	0.087651	0.127157	-0.04726	-0.00599	0.107278	-0.053711	0.196632	0.013162	-0.181794	-0.093518	-0.054309	0.023477
53	-0.003701	-0.042122	-0.00015	-0.074262	0.085769	-0.014689	-0.165432	0.009466	0.121586	0.139934	-0.075723	-0.007673	-0.152959	0.13727
54	0.148827	0.058547	-0.051831	-0.079015	0.011923	-0.022883	-0.077255	-0.071481	0.028633	0.038638	0.020245	0.018968	0.090603	0.040506
55	-0.084112	0.198532	-0.08022	-0.04265	-0.201078	0.012967	-0.17886	-0.19117	-0.03051	0.077227	-0.132109	-0.000666	0.109635	0.028571
56	0.005268	-0.0283	-0.064584	-0.078472	-0.079509	-0.036334	0.098912	-0.104589	-0.115959	0.287205	0.121148	-0.307786	0.008684	0.101043
57	-0.07272	-0.020835	0.028909	-0.119543	0.230322	-0.000013	0.032982	0.035781	0.035309	-0.102987	-0.128899	0.002063	-0.103541	-0.062338
58	0.052228	0.012273	0.074859	-0.071943	0.111705	0.042545	0.111941	0.067318	-0.099785	0.002494	-0.092288	-0.042431	-0.082091	0.074854
59	0.002312	-0.21151	0.001196	-0.014627	-0.097298	0.125054	-0.104845	0.178735	-0.263207	-0.311382	0.056627	0.060913	-0.100802	-0.055958
60	-0.128602	0.134236	-0.112784	-0.031921	0.02374	-0.13105	-0.036184	0.135269	0.005381	0.100135	0.111181	0.080478	0.179082	0.092611
61	0.09583	-0.121112	0.065564	0.03772	0.00092	0.037634	0.033885	0.098101	0.156855	-0.047235	0.06397	0.03476	0.096376	-0.049783
62	0.006522	0.193953	0.021488	0.087904	-0.153025	0.049798	-0.002251	-0.00509	-0.159394	-0.086218	0.017674	-0.106485	0.012931	-0.11887
63	-0.264423	-0.195238	0.09906	0.150628	0.1203	-0.20434	0.265274	0.137321	0.008906	-0.024675	-0.10518	-0.055129	0.140215	0.107618
64	0.082304	-0.032282	-0.022799	0.021996	0.014255	-0.021097	-0.022021	0.062317	-0.022136	0.0167	0.034752	0.051693	-0.053169	-0.097039
65	-0.09026	-0.051748	-0.019825	0.084734	0.252128	0.155327	-0.124082	-0.002963	0.130101	-0.112863	-0.041039	-0.064591	-0.191348	0.044953
66	-0.152928	-0.134885	0.112199	-0.018448	-0.101046	0.032614	-0.017162	0.054486	-0.098388	-0.116677	0.058959	0.006536	-0.068161	0.123936
67	-0.151918	-0.063399	-0.272242	-0.08379	0.097193	0.165769	0.122376	-0.161473	-0.03335	0.134113	-0.139422	-0.126045	0.045679	-0.169191
68	0.082262	0.247594	0.04589	0.015216	-0.100817	-0.113141	-0.047165	0.010153	-0.035486	-0.051098	-0.020016	0.028735	0.008247	0.127366
69	-0.010004	0.150697	0.119959	-0.002605	-0.105217	-0.098358	-0.05249	-0.045617	0.147544	-0.226826	0.072986	0.049604	0.001175	-0.023611
70	0.037064	-0.028406	-0.064778	0.075411	-0.087894	-0.068216	-0.008282	0.003339	0.026036	0.083624	0.136176	0.026242	-0.136263	0.003078
71	0.134126	-0.128407	-0.136168	-0.168893	0.092323	-0.021616	0.025401	0.137843	0.060362	0.053785	0.010652	0.105234	-0.138755	0.064316
72	-0.01587	-0.067026	-0.066292	-0.277213	0.0134	0.256344	0.028416	0.008181	-0.028826	-0.018258	-0.096033	-0.025298	0.070694	0.101966
73	-0.052014	-0.140566	0.103966	0.03228	-0.120146	0.014942	0.07299	-0.154014	0.061686	-0.007961	-0.202682	0.117974	0.014722	0.147769
74	0.038858	-0.069712	0.0131	0.016157	-0.022783	0.253802	0.040863	0.296242	0.026425	-0.002343	-0.181934	-0.100689	0.135437	0.081679
75	-0.112088	0.077356	0.147197	0.024391	-0.08131	-0.012597	-0.172756	-0.123125	-0.00961	0.043081	0.157232	0.054797	-0.070201	-0.020138
76	-0.047938	-0.006084	0.181987	-0.176167	-0.063684	-0.070586	0.038072	0.006064	-0.052868	-0.039934	-0.017494	-0.061683	0.054238	0.282364
77	0.058578	0.103152	0.232476	-0.151679	0.030695	0.002318	-0.061125	0.079003	-0.188727	0.044248	0.243027	0.018477	0.028865	-0.046122
78	-0.145512	-0.164889	-0.09259	-0.293408	-0.20485	-0.17262	0.021081	-0.053732	0.129888	-0.118823	-0.226158	0.082599	-0.066261	-0.25807
79	0.167753	-0.077571	-0.048084	0.218252	0.030694	0.019242	-0.019464	0.024153	-0.104646	0.117524	-0.267811	0.045937	0.313096	-0.120003
80	0.023838	0.050368	-0.018521	0.323276	0.169828	0.09289	0.008805	-0.152026	0.02309	-0.01626	0.062339	-0.009582	-0.110313	0.132708
81	-0.026421	-0.034158	-0.075693	0.180608	0.165088	-0.179765	-0.084475	-0.129641	0.06177	-0.060909	0.111409	0.003309	-0.021249	-0.046892
82	-0.054001	0.110523	-0.23749	0.131801	0.115232	-0.109004	0.129751	0.306807	-0.026505	-0.020985	0.259453	-0.150608	-0.054441	-0.126321

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
1	-0.108055	0.000664	-0.001244	0.053817	-0.074221	0.18658	-0.097306	0.131889	-0.084107	0.093251	-0.013207	0.018218	-0.015055	0.134484
2	-0.012229	-0.270635	-0.003164	0.056341	0.080729	-0.072774	-0.000939	0.076721	0.009312	-0.05224	0.120894	0.131214	-0.043215	-0.034155
3	0.100519	-0.01063	-0.189028	-0.057907	0.2406	-0.138098	0.102932	-0.164626	-0.051505	-0.221259	-0.022103	-0.122669	-0.014832	-0.19171
4	-0.115014	0.141917	-0.04923	-0.012928	-0.065633	-0.178057	-0.395848	0.061083	0.211314	0.177015	0.010372	0.072426	0.047086	0.024126
5	-0.120191	0.066462	0.062316	-0.15214	0.036953	0.128558	0.226666	0.091014	-0.173793	-0.170004	-0.061326	0.042194	-0.100043	0.037459
6	-0.026225	-0.208236	0.06433	0.219319	-0.164577	0.066254	0.185552	-0.093438	-0.100409	-0.096457	0.048177	-0.088452	-0.048131	-0.014359
7	-0.006576	0.368413	-0.05867	-0.03354	-0.145665	0.00523	0.03666	-0.034035	0.118299	0.090945	-0.171672	-0.136525	-0.031779	0.011367
8	0.005189	-0.028482	0.2183	-0.086789	-0.050902	0.006299	0.121626	0.013341	0.128655	0.058792	0.099314	-0.004564	-0.147554	0.033041
9	0.083351	0.002865	-0.02495	0.059053	0.005544	-0.122595	0.028578	0.009392	0.058648	0.009821	0.095297	0.103595	-0.012728	-0.029808
10	0.086379	0.013829	-0.027901	0.007467	0.191118	0.051106	-0.039006	0.009162	-0.014048	0.127652	0.104511	0.04147	0.136432	0.116493
11	0.081528	-0.052961	-0.069373	0.090026	-0.099771	-0.080188	-0.008537	0.035654	0.204103	0.038374	0.02091	-0.011612	0.064931	-0.0064
12	0.122799	-0.156428	0.058945	-0.125272	0.178555	0.114903	-0.150982	-0.002856	-0.101475	0.03873	-0.093689	0	0.083206	-0.009658
13	-0.197952	0.035033	0.154948	0.005959	0.000234	0.047865	-0.009747	0.069217	-0.153329	0.065115	-0.003611	0.100221	-0.062445	0.079102
14	0.032536	-0.113943	-0.23965	0.015392	0.03728	-0.021636	0.020659	-0.129216	0.263662	-0.301207	-0.047842	0.31431	-0.181959	0.066932
15	0.092861	-0.073421	-0.039127	0.012653	-0.057083	0.049979	0.099582	-0.001502	-0.125207	0.147114	0.017728	-0.217176	0.055332	-0.072129
16	-0.073354	0.125666	0.145067	0.07209	-0.154998	-0.039533	-0.145937	0.143396	-0.024766	-0.022912	0.049584	-0.223818	-0.092831	-0.256691
17	-0.074635	-0.089449	0.020276	0.166516	-0.001937	0.078834	-0.004024	0.003328	-0.037372	0.047677	0.069565	0.096643	-0.046158	-0.057751
18	-0.027805	0.154324	-0.12095	-0.100937	0.117586	-0.041094	0.113368	-0.049561	0.095088	-0.08481	-0.046004	-0.050139	-0.114286	0.054102
19	0.057503	0.073332	0.029941	-0.144002	0.084238	-0.05466	-0.123692	0.043464	-0.027436	-0.183469	-0.154135	0.003068	-0.155246	-0.008313
20	-0.028834	-0.141878	-0.02518	-0.150654	-0.112931	0.079764	0.18951	-0.082895	-0.039434	0.195666	-0.007015	-0.142646	0.137981	0.079383
21	0.187634	0.176382	0.156405	0.072996	0.171713	-0.04393	-0.167455	-0.006097	0.029912	-0.14778	0.091341	0.08154	0.054206	-0.003581
22	-0.102141	0.014744	-0.26588	0.126238	0.029703	-0.08695	-0.002857	-0.010171	-0.117424	-0.047773	-0.234175	0.144053	0.097999	0.007195
23	-0.08792	-0.033366	-0.063074	0.084822	0.046434	-0.015741	-0.041731	0.063601	0.034182	-0.013033	0.019817	0.003768	0.119599	-0.043244
24	0.221656	0.124386	0.067549	0.004202	-0.063337	0.005119	0.037791	-0.205394	-0.144885	-0.01359	-0.018715	0.07693	-0.177197	-0.061127
25	-0.113769	-0.062373	0.011499	-0.055877	-0.073858	0.076527	0.006143	0.129201	0.085252	-0.000637	-0.043399	-0.030577	0.022821	0.034482
26	0.03056	-0.024063	0.137351	0.005664	-0.005683	0.055626	-0.041445	-0.072995	0.153561	0.014742	-0.043903	-0.178955	0.247724	-0.018765
27	-0.112385	-0.025007	-0.147588	-0.058396	0.073212	-0.15128	0.030958	0.232629	-0.097932	0.015746	0.09825	0.186423	-0.198033	0.07404
28	-0.141593	0.05381	-0.012067	-0.13351	0.143752	-0.174093	-0.115588	0.041009	0.032526	0.127755	0.039901	-0.180055	0.005506	-0.09201
29	-0.044221	-0.053192	0.060508	-0.185107	-0.092041	-0.018141	0.098854	-0.113874	0.06447	-0.079735	-0.025519	0.164064	0.07515	0.041694
30	0.118612	0.045803	-0.001752	0.282991	-0.07415	-0.012169	-0.007954	-0.134718	-0.068344	0.141806	-0.167337	0.027354	-0.048401	-0.03722
31	0.100534	-0.106862	0.071143	0.007145	-0.160532	0.121751	0.074941	0.152803	0.086949	-0.151365	0.170586	0.035613	0.148569	0.138337
32	0.019194	-0.069403	-0.00463	0.005133	-0.054589	0.0579	-0.018752	-0.067403	0.033353	0.068166	-0.008525	0.04329	0.011772	0.076453
33	-0.029381	-0.080751	0.001697	-0.052174	-0.293467	-0.172799	-0.126064	-0.084593	-0.129607	-0.151568	0.024542	-0.051232	0.018489	0.213584
34	0.124637	0.106735	0.093908	-0.019055	-0.038928	0.001136	0.059944	-0.092536	-0.108472	-0.087682	0.010554	-0.082996	-0.013684	-0.060913
35	-0.140415	-0.07626	-0.095001	0.036903	0.210795	-0.032034	0.051776	-0.05467	-0.016134	0.066559	0.077958	-0.036203	0.059925	-0.150345
36	-0.182844	0.020944	-0.118602	0.039272	0.015818	0.062921	0.02532	0.066371	-0.021953	-0.016797	-0.092162	-0.08608	-0.017125	-0.004189
37	0.239602	-0.019352	-0.050215	-0.099498	-0.061343	-0.107876	-0.030432	0.066642	-0.127115	0.160348	0.133792	0.062525	0.097953	-0.140278
38	0.027828	0.035166	0.000074	0.083326	-0.094057	-0.037709	-0.070717	0.023443	0.000364	-0.042949	0.086473	0.102849	-0.000276	0.11176
39	0.183899	0.027627	-0.03902	-0.053118	-0.031776	-0.08995	-0.023309	-0.101858	-0.118629	0.064981	0.152912	0.24759	0.045775	-0.099474
40	0.187071	-0.022664	-0.057252	-0.127611	-0.121728	0.018316	0.036309	0.04022	0.042514	-0.055798	-0.068177	-0.012489	0.039577	0.143883
41	-0.180945	0.006063	-0.024587	-0.096256	-0.030195	0.019557	-0.071444	-0.090893	0.105339	0.000525	-0.26038	0.104597	-0.006697	0.019887

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
42	0.098381	-0.137781	-0.126828	0.087898	-0.237059	0.198514	-0.228728	0.119506	0.090282	-0.315919	0.047579	-0.196307	-0.104112	-0.050502
43	-0.158129	-0.109657	0.201679	0.002928	0.124971	-0.027279	0.158026	-0.184531	-0.09076	0.00312	-0.207197	0.005498	-0.0971	0.280595
44	0.046257	0.099766	0.176618	0.032176	0.02097	0.19593	0.032752	0.009015	0.122033	-0.211868	-0.029903	-0.091048	-0.040475	0.012433
45	-0.044107	0.177205	-0.03404	0.209508	0.181179	-0.160348	0.056934	0.064208	-0.087529	-0.132469	0.066836	-0.116371	0.102049	0.16751
46	-0.038123	-0.012863	0.045962	0.038898	-0.150751	-0.009999	-0.011712	0.14269	0.060362	0.034358	0.040225	0.003633	-0.007776	-0.002957
47	-0.274607	-0.07114	0.062875	0.24534	-0.035026	0.127599	-0.061986	-0.151147	-0.074171	-0.111296	-0.013323	0.102074	0.100336	-0.202422
48	-0.01441	-0.110719	-0.094521	0.107711	0.121849	0.019886	0.078451	0.280297	0.093996	0.106164	0.191773	-0.139236	-0.135315	0.130475
49	0.098898	0.112265	0.054149	-0.010349	0.060636	-0.122775	0.132035	-0.080826	0.202618	0.053095	0.127467	0.109861	0.096748	0.008297
50	-0.069662	0.248727	0.1923	-0.045953	0.128125	0.043046	-0.141874	0.041401	-0.106831	0.077797	-0.074941	0.045424	0.187061	0.159691
51	-0.038592	-0.03829	-0.083677	-0.03445	-0.09042	-0.082723	0.247322	0.110302	0.069608	0.133904	-0.006977	0.081143	-0.021438	-0.34365
52	0.016947	-0.213285	-0.031638	-0.096714	0.044447	-0.074439	-0.210924	-0.227696	-0.011084	0.018429	-0.174771	-0.076281	0.037128	-0.232952
53	0.050597	-0.042116	-0.116679	-0.065179	-0.049974	0.059656	-0.037961	-0.061485	-0.018917	0.227887	-0.008837	0.074587	-0.207249	0.067956
54	0.090734	0.165737	-0.16753	-0.138732	-0.056804	0.161515	0.018678	-0.009815	-0.076143	-0.032671	0.04374	0.038725	0.031135	-0.002581
55	-0.033402	-0.024259	0.025384	0.021229	0.036105	-0.078062	-0.173037	0.06753	-0.003856	-0.128043	-0.206752	-0.062224	0.001778	-0.091675
56	-0.097153	-0.021686	-0.090573	0.065264	0.11243	-0.005868	-0.121414	-0.100826	-0.172601	0.03059	0.038198	-0.056791	-0.054169	0.069723
57	-0.062139	-0.111901	-0.001907	-0.129882	-0.015839	-0.025762	-0.154833	-0.267157	0.115557	0.135339	0.097862	-0.14806	-0.286415	0.028593
58	0.024271	-0.022661	-0.109257	-0.287606	0.076815	0.045276	0.051135	0.198681	-0.112769	-0.129286	-0.125403	-0.106386	0.182918	-0.027945
59	-0.102493	-0.017968	-0.00673	-0.149021	-0.028474	0.037084	0.037447	0.024363	-0.081569	-0.03966	-0.058396	-0.097413	-0.087087	-0.076519
60	0.056432	0.136821	0.044361	-0.039644	-0.002841	-0.036509	0.089235	0.089713	0.048492	-0.082037	0.080429	0.075094	0.01478	0.023049
61	0.109312	0.039466	0.128205	-0.0075	-0.000083	0.07147	0.039943	0.122974	-0.092177	0.115818	-0.161274	0.143278	-0.185378	-0.104958
62	-0.005258	-0.035328	0.063342	0.097796	0.074232	0.086342	0.096534	-0.015359	0.348552	0.046221	-0.172666	0.005105	0.052149	-0.026227
63	0.056713	0.076195	-0.049658	-0.012151	-0.024002	-0.128214	0.052409	-0.028884	0.074011	0.038207	0.047187	0.046494	0.029338	0.034788
64	-0.100912	-0.073954	0.030599	-0.073931	0.194486	0.137337	0.063429	-0.199423	0.085976	-0.044925	0.323864	-0.056667	0.052286	-0.052578
65	0.006546	0.03657	0.121293	0.329697	-0.117498	-0.183379	0.143285	-0.073085	-0.171973	0.008079	-0.084145	0.102951	0.18244	-0.032439
66	-0.077556	-0.000928	0.030617	-0.041858	0.032906	-0.07048	-0.078873	-0.040416	0.057902	-0.001755	0.018198	0.056725	0.039005	0.008853
67	-0.009589	0.110219	0.014259	0.012198	0.055592	0.062166	0.136645	-0.037531	0.178387	0.040525	-0.062078	-0.026767	-0.010029	0.023809
68	0.07139	-0.083509	0.21629	-0.036791	-0.070304	-0.161919	-0.084896	0.200289	-0.050729	0.015078	-0.085323	0.086889	-0.135568	0.005041
69	-0.082345	0.158721	-0.230383	-0.002367	-0.190261	0.297881	-0.161341	-0.200615	-0.154988	0.029384	0.148601	0.121494	-0.007704	-0.017164
70	0.121568	-0.003523	-0.210638	-0.022476	-0.093155	-0.178687	0.112472	-0.05218	-0.171157	-0.062179	-0.051565	-0.181169	0.163515	0.167756
71	0.045196	-0.134002	0.17113	0.036085	0.010007	-0.222738	-0.003387	0.058082	0.043068	-0.103869	-0.056951	-0.119561	0.063443	-0.189716
72	0.040397	0.033675	0.105234	0.056464	0.207942	0.214334	0.018721	-0.052102	0.006021	0.098051	0.037918	0.016601	-0.117741	-0.081971
73	0.088803	0.0355	-0.035774	0.095963	0.120919	0.073419	0.003678	0.217469	-0.080024	-0.076853	-0.098777	0.113909	-0.181069	-0.181453
74	-0.231711	0.022622	-0.20099	0.152179	0.033595	-0.073011	0.011044	0.086057	0.011687	0.008506	0.105021	-0.010868	0.056939	0.010469
75	-0.192142	0.280611	0.055213	0.007456	-0.126314	-0.132738	0.134807	-0.098728	-0.010591	-0.051604	0.218541	-0.170896	-0.178925	-0.092494
76	0.072497	-0.154557	-0.007439	0.123329	0.140454	0.022643	-0.000072	0.08143	-0.01665	0.106865	-0.131494	-0.063768	0.005409	0.20878
77	-0.038351	0.006526	0.022432	0.028365	-0.158023	-0.035764	0.099155	-0.06729	0.223313	0.063836	-0.196508	0.097279	0.071146	-0.006065
78	-0.125097	0.002085	-0.012867	-0.10858	-0.0346	-0.007844	-0.08371	0.004449	0.067316	-0.12798	0.082823	0.080477	0.192062	0.051583
79	-0.040368	-0.121862	0.268988	-0.063879	0.032299	-0.193585	-0.134449	-0.142634	-0.090564	-0.131082	0.171728	0.024683	-0.070891	0.149998
80	-0.084905	-0.060661	0.118856	-0.207855	-0.036757	0.156219	-0.002597	0.068894	-0.074646	0.031058	0.062237	0.202027	0.263943	-0.208958
81	0.038956	-0.148149	-0.047821	-0.07027	-0.079186	-0.160749	0.025044	0.022103	-0.035928	0.193768	-0.047946	-0.075655	-0.125156	0.076672
82	0.281271	0.020413	-0.064923	0.206765	0.135113	0.193146	-0.14449	-0.043166	0.039865	0.068477	-0.001011	-0.121292	-0.001938	0.08584

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
1	-0.014549	0.008797	0.024241	-0.033777	0.017877	-0.005716	0.086221	-0.090588	0.030881	-0.046743	0.03184	-0.014991	-0.022127	0.039833
2	0.093832	0.047183	0.00682	0.09934	-0.043715	-0.049648	-0.053874	0.03354	0.030903	0.194401	-0.021118	0.100404	-0.069902	-0.045182
3	-0.037281	0.038609	-0.041021	0.040161	-0.088846	-0.08222	-0.119572	0.143903	-0.044482	-0.132716	-0.004585	-0.025715	-0.006412	-0.027557
4	0.115853	-0.089276	0.051575	0.061021	0.160572	-0.10396	0.022545	-0.042854	-0.086799	-0.060489	-0.208794	0.060646	-0.03842	-0.105501
5	-0.051201	0.037288	-0.03891	-0.041426	-0.16463	0.271177	-0.175203	-0.126986	0.033134	0.366046	0.273706	0.050037	0.123908	-0.040885
6	0.004872	0.042349	0.049044	-0.101595	0.015928	-0.139565	0.209088	0.192442	0.050592	-0.275018	-0.039856	-0.069459	-0.271603	0.246644
7	-0.099824	-0.037469	-0.011192	-0.105146	0.066279	0.050746	-0.050125	-0.053675	-0.053902	-0.06431	-0.03505	-0.039675	0.031156	0.042994
8	0.174764	-0.12135	-0.12048	-0.030416	0.010262	-0.107084	0.081716	-0.142235	0.125335	-0.091635	0.158272	-0.014208	-0.03342	-0.354094
9	0.020111	0.015435	0.020563	0.014019	0.009172	-0.028633	0.017666	-0.023623	0.007044	0.076384	-0.014206	-0.019854	0.079504	-0.067071
10	-0.093681	0.049243	-0.037473	-0.090846	0.083599	0.0724	0.031918	-0.10359	0.056532	-0.108578	0.072599	0.001143	0.207536	0.050945
11	-0.116659	0.091647	-0.022486	0.017038	0.010636	0.023614	-0.035773	0.058595	-0.024807	0.02717	-0.048739	0.0007	0.05813	-0.013548
12	-0.034559	-0.046013	-0.078848	0.122882	-0.08802	0.008867	-0.024965	-0.013533	-0.001674	0.04211	0.023069	-0.00882	0.049564	-0.054316
13	0.291143	0.125577	0.02223	-0.195822	0.020232	-0.082317	-0.059024	0.317178	0.160309	0.123524	-0.301692	-0.022895	0.211031	0.025376
14	-0.118758	0.019776	-0.075266	0.023916	0.059848	-0.029679	0.09555	-0.025589	0.094704	0.081025	0.086377	0.039598	-0.127691	-0.033059
15	0.054263	-0.077759	-0.080843	0.042283	-0.050654	-0.015495	-0.032768	-0.012018	-0.105273	0.045387	0.070685	0.009163	0.015594	-0.02217
16	-0.070925	-0.12019	0.158794	0.15524	-0.158183	0.030992	-0.089438	-0.150841	-0.113889	-0.121528	0.080926	0.011881	-0.175179	-0.12312
17	0.035408	0.112011	0.082417	0.060622	-0.020572	0.0075	0.045555	0.084174	0.065012	0.019431	0.033353	0.057461	-0.008709	0.009624
18	0.072102	-0.091562	-0.011366	-0.00267	-0.028842	-0.049696	0.025109	-0.017566	-0.057889	-0.002872	-0.027329	0.020879	-0.126713	0.007526
19	0.103222	-0.094242	0.013762	-0.036238	-0.040205	-0.049825	-0.004242	-0.05372	0.010452	-0.023707	-0.084909	0.011178	-0.160083	-0.048659
20	-0.101395	0.039999	-0.136745	0.044853	0.023597	-0.024276	0.03771	-0.096333	-0.003022	-0.048194	-0.036406	-0.028575	0.043929	0.017688
21	0.065316	0.061946	0.18238	-0.038932	-0.042265	0.027768	0.020542	0.066122	-0.029021	-0.000642	-0.099882	0.024238	-0.040621	0.02318
22	-0.129092	0.006673	0.033723	0.098982	0.023871	0.097514	-0.005516	0.085802	-0.113814	0.097425	-0.06975	0.024139	-0.035564	0.412385
23	-0.061353	-0.044321	-0.083261	0.04406	-0.035075	0.03902	0.013891	0.034555	-0.02444	0.029846	0.118178	-0.055322	0.062067	0.021609
24	0.062916	0.048	0.041592	-0.019705	0.022037	-0.061826	-0.103326	-0.024999	0.031774	-0.08531	-0.077772	0.006016	0.020425	-0.068021
25	0.091631	-0.006286	0.007046	-0.027215	0.018988	0.050625	0.077393	0.003076	0.052871	0.040458	0.044642	0.021134	-0.106281	0.024962
26	0.006845	0.126865	0.005149	0.10185	-0.113285	-0.07299	0.218389	0.0936	-0.013225	0.337164	-0.046585	0.052307	-0.20002	-0.014965
27	-0.059183	-0.091335	0.043122	-0.122679	0.0348	0.009978	-0.156132	-0.133245	0.048481	-0.264556	-0.022162	-0.028986	0.187942	0.073413
28	-0.077981	0.08881	0.031687	-0.097009	-0.071332	0.032124	-0.070356	0.131304	-0.032965	0.066915	-0.118449	-0.051859	-0.032082	-0.047716
29	0.015052	-0.13167	0.070128	0.149363	0.084103	-0.098872	0.177184	-0.210639	0.054759	-0.01879	-0.075289	0.121721	0.088281	0.144377
30	0.225426	-0.009544	-0.010075	0.015892	-0.094793	0.326159	-0.088267	-0.043403	0.234658	0.012754	0.080805	-0.078951	-0.219507	0.008681
31	-0.044918	0.068101	-0.028367	0.085772	0.093026	-0.092486	-0.00734	0.120123	-0.31145	-0.02301	0.074502	-0.027302	0.10044	-0.074623
32	0.050939	-0.002625	-0.013807	0.060441	0.010442	0.054833	-0.025092	0.040666	-0.045	-0.03425	-0.013977	-0.016743	-0.064915	0.013877
33	0.040014	-0.311548	0.064544	0.048178	-0.179913	0.029669	-0.074559	0.138523	0.029215	0.037337	-0.031315	-0.275656	0.13667	0.075967
34	-0.078405	0.019656	0.071673	-0.099809	0.014966	-0.035265	0.056257	-0.004361	0.039464	0.002701	-0.05266	0.027714	0.030318	0.008072
35	0.036501	0.012012	-0.077184	0.010579	-0.042154	-0.006238	-0.077273	-0.060367	0.042417	0.029957	-0.103606	-0.005561	-0.03932	-0.04786
36	0.024599	-0.048427	-0.078558	0.045233	-0.087622	-0.02735	-0.008331	-0.02384	0.013796	0.037035	0.00727	0.037193	-0.036953	-0.07139
37	0.033495	-0.000398	0.008751	0.012492	0.048724	-0.027734	-0.07762	-0.04883	-0.002485	0.028668	0.12966	0.097452	0.008093	0.086844
38	0.111827	0.04819	0.028604	-0.004855	-0.02746	0.078156	0.144785	-0.084455	-0.025936	0.044708	0.093153	-0.014631	-0.004743	-0.028355
39	0.056853	0.013972	0.001353	-0.054419	0.085729	0.173948	0.010562	0.019714	-0.158503	-0.019461	0.063646	-0.109468	0.021235	0.00564
40	0.039529	-0.097517	-0.056984	0.122882	-0.097881	-0.058475	-0.047884	-0.082483	0.05655	0.017911	-0.074512	-0.046919	-0.022344	0.075356
41	-0.007947	-0.056081	-0.090897	0.151197	0.037908	-0.06885	-0.048453	0.131446	-0.073	-0.059353	0.102605	0.057548	-0.073869	0.013681

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
42	-0.004107	0.100832	0.012666	-0.081653	0.130602	0.227782	-0.161365	-0.044002	-0.016381	-0.010853	-0.163381	0.042679	0.082158	0.000895
43	0.120093	-0.055645	-0.013155	0.010417	0.070733	0.034844	0.105443	-0.121988	-0.144864	-0.12202	-0.139177	-0.188712	-0.04534	-0.126276
44	-0.046937	-0.027163	0.098267	-0.002904	-0.121548	-0.135247	-0.11039	0.083985	0.10411	-0.047576	-0.103926	0.119318	0.074028	0.118721
45	-0.100352	-0.116036	-0.023204	-0.20978	0.001313	0.066798	0.198725	0.004639	-0.192485	0.009221	0.096938	-0.124591	-0.027487	-0.115637
46	0.023027	0.033656	-0.041144	0.103724	-0.07115	-0.063862	-0.100792	-0.100253	0.07381	0.063229	-0.007434	0.124447	-0.00879	0.124728
47	0.036975	-0.022247	0.102866	-0.023811	0.142949	0.108536	0.063597	0.110179	-0.085662	-0.071713	0.173969	0.026519	0.208017	-0.234275
48	-0.102832	-0.025586	-0.022554	-0.070688	-0.060019	-0.010836	0.027158	-0.111338	0.207661	0.008809	-0.1602	-0.053627	-0.044767	0.11169
49	-0.045248	-0.122545	0.036527	0.006178	-0.004119	-0.13034	-0.016488	0.188091	0.046939	0.006434	0.100156	-0.007851	0.011677	-0.007224
50	-0.023105	0.113014	0.029204	0.161985	-0.141394	-0.06413	0.020538	0.025978	0.21461	-0.105545	0.226978	0.038939	0.041475	0.241194
51	-0.04975	-0.242176	0.087046	-0.11504	-0.046577	-0.031827	0.063279	0.161175	0.091496	0.099494	-0.01496	-0.01448	-0.028117	-0.079181
52	0.02647	-0.114265	0.008815	-0.06123	0.044737	0.134525	0.145678	-0.152315	0.339352	0.033516	-0.099854	0.027697	0.136908	0.009134
53	0.132219	0.18958	-0.121055	0.160995	-0.117567	-0.109379	-0.339589	0.265339	-0.088995	-0.111422	0.124605	-0.116716	-0.105694	-0.061116
54	0.126255	0.006439	-0.211087	-0.052416	-0.137012	0.051954	0.220754	0.14247	-0.034067	0.144646	-0.212097	0.12677	0.095057	-0.171798
55	-0.053035	0.043546	0.035054	-0.060507	0.043875	-0.220459	-0.023207	-0.003908	0.002665	0.00145	0.357754	-0.021398	0.047297	-0.029776
56	-0.049504	0.218108	-0.233716	0.014795	0.015785	-0.053426	-0.003742	-0.215222	-0.276931	0.087493	-0.179215	0.047494	-0.163258	-0.06402
57	0.00328	-0.014859	0.018483	-0.219996	-0.171386	0.070187	0.168414	0.066299	-0.182341	-0.020324	0.193697	0.190246	0.131017	0.237262
58	0.015695	0.123442	0.125809	0.143268	0.327978	0.078977	-0.009453	0.149722	0.16674	-0.121674	-0.022752	-0.281632	-0.107929	-0.133799
59	-0.140699	-0.082484	-0.004411	0.03082	0.014366	-0.250535	0.024482	0.115511	-0.064334	-0.013659	-0.052209	0.148553	0.229125	-0.013501
60	0.083406	0.043709	0.139238	-0.050301	-0.043884	0.079001	0.059119	-0.050447	0.008541	0.078051	-0.002978	-0.113992	-0.135218	0.070369
61	-0.178575	0.24134	-0.013554	-0.160186	0.282751	-0.133474	0.082608	-0.057319	0.040305	0.004308	0.050482	0.214313	-0.172711	0.015177
62	0.288492	0.056115	0.077873	0.023783	0.103268	0.040287	-0.202871	-0.093407	-0.162965	0.03527	0.011801	-0.042904	0.216646	0.072677
63	0.044587	-0.000427	-0.073908	0.015119	-0.084518	0.013424	0.038089	0.040172	0.013775	0.095197	-0.007529	-0.055185	-0.023453	0.040649
64	-0.018787	-0.01316	0.153367	0.223678	-0.0505	0.116926	-0.124101	-0.12671	0.017798	-0.231869	-0.030286	0.049754	-0.099343	0.092758
65	-0.183166	-0.111608	-0.108806	0.176359	-0.003302	-0.134456	-0.197684	-0.153327	0.027815	0.013189	-0.231	0.158449	0.094663	-0.10901
66	0.007628	0.036446	0.018664	0.001552	0.063115	0.014424	0.040451	0.013903	-0.020057	-0.028474	0.005778	-0.033442	0.024143	0.002221
67	-0.101883	-0.038362	0.077366	0.052041	0.007806	0.119461	-0.044232	-0.038907	-0.03072	0.038446	-0.047248	-0.018758	-0.044479	-0.01639
68	-0.221695	-0.083858	-0.250072	0.179149	-0.079183	0.307406	0.186381	0.24721	-0.030906	-0.171199	-0.023039	0.091413	-0.076627	-0.048562
69	-0.136444	-0.090277	0.105149	-0.064249	0.000082	-0.295794	-0.022409	-0.12816	0.068003	0.161289	0.059243	-0.256677	-0.127882	-0.049284
70	0.247697	0.157113	0.222706	-0.065376	-0.048567	-0.018184	0.019598	-0.018638	0.000306	-0.170795	0.068179	0.426977	0.030261	-0.105359
71	0.168216	0.118621	-0.257249	-0.180085	0.046189	-0.220216	-0.046244	-0.146358	-0.026848	0.067261	0.081047	-0.321578	0.03745	0.223401
72	-0.141856	-0.082121	0.140389	0.118179	0.023371	0.067526	-0.002955	0.144592	-0.031793	0.03931	-0.138654	-0.073134	0.072737	-0.026975
73	0.224095	-0.014971	0.009862	0.249963	-0.258953	-0.132109	0.228379	-0.156549	-0.199806	-0.056145	-0.066463	-0.060604	0.167127	0.084757
74	0.110405	0.080693	0.021396	0.061524	-0.163494	-0.107841	0.110279	0.061538	0.186982	-0.082198	0.100576	0.03977	-0.008229	-0.099295
75	0.112945	0.021524	-0.244646	0.22951	0.388333	0.128127	0.004176	0.058593	0.040936	0.105207	0.050296	0.057042	0.048426	0.207753
76	0.052635	-0.399699	0.138332	-0.177213	0.163851	-0.041561	-0.242457	0.101019	-0.097829	0.16481	0.069263	0.219924	-0.182734	0.012166
77	-0.247161	0.288981	0.013275	-0.23148	-0.316912	0.070482	-0.079059	-0.04197	0.007923	-0.16146	-0.086847	-0.113614	0.09547	-0.117905
78	0.035653	0.008591	-0.220472	-0.058048	-0.024166	0.068595	-0.097795	-0.035428	0.13787	-0.120254	0.011722	0.139018	-0.08095	-0.115351
79	-0.190353	0.089079	0.028004	-0.022122	-0.021732	-0.059977	-0.17287	0.006888	0.069562	0.183989	-0.022981	0.010477	-0.050189	-0.04655
80	0.08159	-0.15481	-0.037838	-0.244848	-0.074174	0.084716	-0.030533	-0.054988	-0.242166	-0.098615	-0.075346	0.020055	-0.186007	0.16411
81	-0.095528	0.151496	0.409089	0.212496	0.069737	0.033377	0.176029	-0.076307	-0.071942	0.170292	0.019875	-0.136613	0.110045	-0.078128
82	-0.048616	-0.167981	-0.272339	0.01553	0.086301	-0.053014	0.09285	0.061435	0.136134	-0.067316	0.08006	-0.071383	0.171578	-0.016179

	CD	CE
1	-0.124322	-0.014119
2	-0.048606	-0.013674
3	-0.035778	-0.001383
4	0.061065	-0.001695
5	0.076169	-0.001278
6	-0.170109	-0.002765
7	0.156082	-0.000613
8	0.056424	-0.005077
9	0.014015	-0.000658
10	-0.078741	-0.000239
11	0.059767	-0.000815
12	-0.047724	-0.000345
13	0.310716	-0.004472
14	-0.020059	-0.00136
15	0.089974	-0.001225
16	-0.311771	-0.003223
17	-0.100653	-0.014881
18	0.034278	-0.003072
19	0.050459	-0.010474
20	0.029853	-0.00046
21	-0.057109	-0.000492
22	0.004118	-0.001642
23	0.000644	-0.004418
24	-0.010117	-0.009723
25	0.009074	-0.018439
26	0.106236	-0.110786
27	-0.135382	-0.074197
28	0.012617	-0.220082
29	0.003408	-0.095221
30	0.008838	-0.073784
31	0.03884	-0.019594
32	-0.037279	-0.00231
33	0.057102	-0.145685
34	0.077975	-0.07185
35	-0.06138	-0.046207
36	0.039244	-0.004511
37	0.017483	-0.019681
38	0.005834	-0.004666
39	0.019373	-0.12443
40	0.011229	-0.477782
41	-0.033039	-0.049965

	CD	CE
42	0.048775	-0.044016
43	-0.063782	-0.016816
44	-0.050691	-0.026861
45	0.001098	-0.370556
46	0.001715	-0.220569
47	0.000231	-0.299545
48	-0.047908	-0.158292
49	-0.030772	-0.017837
50	-0.13504	-0.041873
51	0.085395	-0.032399
52	-0.066651	-0.138934
53	-0.056791	-0.217176
54	-0.477793	-0.139254
55	0.136928	-0.051627
56	0.104765	-0.016499
57	0.008919	-0.0186
58	-0.039807	-0.015866
59	-0.060752	-0.094367
60	0.090427	-0.04155
61	0.053842	-0.382917
62	-0.190195	-0.150457
63	-0.066153	-0.102347
64	0.371332	-0.234269
65	0.00788	-0.013811
66	-0.009836	-0.02189
67	-0.081558	-0.004252
68	0.177969	-0.001753
69	0.064274	-0.000891
70	0.049235	-0.002339
71	-0.071831	-0.004925
72	-0.061325	-0.014135
73	0.16775	-0.001967
74	0.025747	-0.000299
75	-0.082066	-0.001906
76	-0.033146	-0.002522
77	0.009716	-0.002588
78	-0.014934	-0.004491
79	-0.158369	-0.000426
80	-0.039334	-0.000481
81	-0.07548	-0.001032
82	0.106177	-0.000534

Appendix B6

PCA Transformation Matrix (82 x 82; Early/Late)

	A	B	C	D	E	F	G	H	I	J	K
1	409.4/255.3>GPA:Lyso 16:0	-0.136578	0.026918	-0.179059	-0.058653	-0.086368	-0.035633	0.050593	0.076582	-0.029673	0.055756
2	437.4/283.3>GPA:Lyso 18:0	-0.015366	-0.135495	-0.215613	-0.077551	-0.073632	0.002826	0.033492	0.087495	0.000544	-0.073305
3	647.8/255.3>GPA:16:0/16:0	-0.13907	0.070449	-0.154405	-0.030159	0.047484	-0.092146	-0.078325	0.065556	-0.006695	0.100742
4	673.8/281.3>GPA:18:1/16:0	-0.061678	-0.005691	-0.141111	0.045361	0.337125	-0.095114	-0.14442	-0.071107	-0.027071	0.024692
5	699.8/281.3>GPA:36:2	-0.060796	-0.004305	-0.12786	0.035453	0.366895	-0.066398	-0.103301	-0.052227	0.024814	0.022616
6	701.8/283.3>GPA:36:1	-0.051018	-0.002772	-0.137887	0.054481	0.36088	-0.07221	-0.111322	-0.085259	-0.015496	-0.051842
7	703.8/283.3>GPA:36:0	-0.097364	-0.074212	-0.206745	-0.015502	0.141843	-0.04634	-0.042623	-0.013334	-0.039838	-0.132194
8	721.8/281.3>GPA:16:0/22:5	-0.109125	-0.104787	-0.169056	-0.044546	-0.029471	0.027012	0.109969	0.062388	0.20541	0.059683
9	723.8/283.3>GPA:18:0/20:4	-0.051718	0.016658	-0.13275	-0.004276	0.343435	-0.019323	-0.083136	-0.047159	-0.035261	-0.144148
10	731.8/283.3>GPA:38:0	-0.094978	-0.066352	-0.227167	-0.04065	0.079164	-0.07265	-0.064126	-0.007041	0.097928	-0.143105
11	757.8/281.3>GPA:40:1	-0.135536	-0.01375	-0.034636	0.07544	0.191388	0.160939	0.017959	0.067692	0.148989	0.016284
12	759.8/283.3>GPA:40:0	-0.093994	-0.032783	-0.120054	0.058957	0.27879	-0.099211	-0.01188	-0.168352	-0.170967	-0.036391
13	483.4/255.3>GPGro:Lyso 16:0	-0.09227	-0.058461	-0.203505	-0.104618	-0.168808	-0.087268	-0.102923	-0.022485	-0.021792	0.001958
14	507.4/279.3>GPGro:Lyso 18:2	-0.055789	-0.048797	-0.216786	-0.043794	-0.199415	-0.12293	-0.165808	-0.01926	-0.063594	-0.028103
15	509.4/281.3>GPGro:Lyso 18:1	-0.024097	-0.08436	-0.220862	-0.133415	-0.14023	-0.093028	-0.056738	-0.03133	-0.176016	-0.016151
16	511.4/283.3>GPGro:Lyso 18:0	-0.054802	-0.096889	-0.217789	-0.089839	-0.161526	-0.058548	-0.125228	-0.045766	0.025905	-0.014741
17	743.8/279.3>GPGro:18:2/16:1	-0.002076	0.035006	0.211024	0.131241	0.075118	0.066019	-0.197252	-0.004421	-0.072671	-0.179592
18	769.8/279.3>GPGro:18:2/18:2	0.030048	-0.009163	0.071401	0.234819	-0.090737	-0.120753	-0.028416	-0.128719	-0.315541	-0.03555
19	771.8/279.3>GPGro:18:2/18:1	-0.003851	0.026715	0.085631	0.224263	0.05241	0.04589	0.013852	-0.045266	0.373115	-0.147984
20	773.8/279.3>GPGro:18:2/18:0	0.046154	-0.140412	-0.135872	0.075818	-0.094208	-0.070136	-0.226267	-0.076825	0.155637	0.009463
21	775.8/281.3>GPGro:18:1/18:0	0.04664	-0.143574	-0.185604	-0.105163	-0.060633	-0.087316	-0.070104	-0.008481	0.059538	0.176164
22	777.8/283.3>GPGro:18:0/18:0	-0.088128	-0.126351	-0.16496	0.000014	-0.103398	0.01665	0.107601	-0.025074	0.20373	0.065219
23	476.6/196.1>Lyso GPEtn:Lyso18:2a	0.018471	0.018669	-0.100978	0.282057	-0.02	-0.075543	0.066489	0.311767	-0.034866	0.111099
24	478.4/196.1>Lyso GPEtn:Lyso 18:1	0.000865	-0.030998	-0.078351	0.236209	0.040053	-0.083212	0.182205	0.25866	-0.255625	0.119807
25	480.4/196.1>Lyso GPEtn:Lyso 18:0	-0.10151	-0.028701	0.011767	0.059814	0.122722	-0.171887	0.209565	0.067183	-0.305509	0.041674
26	500.4/196.1>Lyso GPEtn:Lyso 20:4	0.075828	0.130702	-0.113021	0.153289	0.027997	-0.006889	0.109728	0.205581	-0.130963	0.023563
27	524.4/196.1>Lyso GPEtn:Lyso 22:6	0.051673	0.179821	-0.100405	0.057279	0.021248	-0.002517	0.231188	0.043179	-0.164946	-0.162377
28	520.4/184.1>GPCho:Lyso 18:2	-0.085227	0.048257	-0.067182	0.239202	-0.092764	-0.135681	0.073401	0.178525	0.012185	-0.156124
29	544.4/184.1>GPCho:Lyso 20:4	-0.035838	0.206625	-0.087558	-0.054615	-0.036423	-0.115853	0.104923	0.03615	-0.038652	0.111368
30	568.4/184.1>GPCho:Lyso 22:6	-0.03059	0.200741	-0.116829	-0.005233	-0.052663	-0.018792	0.175703	-0.043222	0.016018	-0.158981
31	570.4/184.1>GPCho:Lyso 22:5	-0.000973	0.198068	-0.125238	0.02829	-0.041037	-0.066966	0.196835	-0.002073	0.081485	-0.066984
32	678.5/184.1>GPCho:28:0a	-0.080828	-0.145494	-0.057774	0.051783	0.073488	0.034959	0.244513	-0.102012	0.02759	0.184735
33	704.6/184.1>GPCho:30:1a	-0.172399	0.054349	0.049161	-0.018986	0.01932	0.141604	-0.074129	0.117328	-0.03369	0.065718
34	732.6/184.1>GPCho:32:1a	-0.086286	-0.073792	0.036344	-0.161682	0.099474	-0.12856	0.168175	0.204494	0.089634	0.117077
35	734.6/184.1>GPCho:32:0a	-0.049281	-0.080865	0.106653	-0.205866	0.1432	0.189461	0.078498	0.190146	-0.000966	-0.025434
36	742.6/184.1>GPCho:34:2p, 34:3e	-0.058543	-0.157498	-0.11838	0.113042	0.033712	0.18433	0.047299	-0.026486	0.048774	0.052586
37	744.6/184.1>GPCho:34:1p, 34:2e	0.049743	-0.029049	-0.116074	0.264279	-0.066273	0.155395	-0.05934	0.180679	0.035698	0.000784
38	748.6/184.1>GPCho:34:0e	-0.074607	-0.149022	-0.004825	0.032752	0.0525	0.312468	0.079252	0.048131	-0.056003	-0.032368
39	756.6/184.1>GPCho:34:3a	-0.032484	-0.231159	-0.010942	0.030458	-0.016341	0.034167	0.026766	-0.023723	0.0671	-0.018678
40	758.7/184.1>GPCho:34:2a	0.088236	-0.152804	0.076161	0.021317	-0.035725	-0.004351	-0.222656	0.045425	-0.025224	-0.284319
41	762.6/184.1>GPCho:34:0a	0.032999	-0.12087	0.037531	-0.162348	0.149346	-0.000864	0.164692	0.241797	0.166697	0.062464

	A	B	C	D	E	F	G	H	I	J	K
42	768.6/184.1>GPCho:36:3p, 36:4e	0.087556	0.142449	-0.156341	0.001321	0.003095	0.201739	-0.051989	0.013139	-0.072273	0.140726
43	770.6/184.1>GPCho:36:2p, 36:3e	0.065267	-0.012065	-0.18544	0.203044	-0.039818	0.202712	-0.090219	0.065347	0.034857	0.112631
44	772.6/184.1>GPCho:36:1p, 36:2e	-0.002048	-0.193114	-0.042603	0.12875	-0.040689	0.193081	0.072647	0.011671	-0.030407	-0.168336
45	782.6/184.1>GPCho:36:4a	0.131219	0.116998	0.011145	-0.171091	0.063428	-0.024302	-0.049856	-0.002447	-0.036011	0.159616
46	784.6/184.1>GPCho:36:3a	0.160295	-0.008991	-0.051484	0.029377	0.04418	-0.17906	0.019599	-0.05395	0.143158	0.166969
47	786.6/184.1>GPCho:36:2a	0.107223	-0.127997	0.002874	0.174435	-0.073519	-0.119144	0.036611	-0.05818	0.07568	-0.177546
48	788.6/184.1>GPCho:36:1a	-0.003521	-0.206881	0.035807	0.070171	-0.005814	-0.085162	0.215057	-0.05101	0.059232	0.098332
49	792.6/184.1>GPCho:38:5p, 38:6e	0.039284	0.09622	-0.189558	0.016353	0.026192	0.270288	0.129735	-0.124608	0.009704	-0.144079
50	794.6/184.1>GPCho:38:4p, 38:5e	0.076225	0.152756	-0.152851	-0.031439	-0.048614	0.204486	-0.098381	0.030348	-0.08524	0.022136
51	796.6/184.1>GPCho:38:3p, 38:4e	0.079899	0.113243	-0.157448	-0.035491	-0.00047	0.271934	-0.113869	-0.044847	-0.083447	0.13794
52	808.6/184.1>GPCho:38:5a	0.136042	0.146951	-0.079285	-0.056477	0.013549	-0.019432	0.103669	-0.122742	0.085873	0.028651
53	810.6/184.1>GPCho:38:4a	0.145887	0.114042	-0.018668	-0.106765	0.026868	-0.047234	0.025763	-0.126999	0.032735	0.190327
54	814.6/184.1>GPCho:38:2a	-0.181903	-0.000093	0.045466	-0.065367	-0.014336	0.109727	0.031439	-0.022282	-0.037581	0.100987
55	816.6/184.1>GPCho:38:1a	-0.12717	-0.110941	0.034373	0.098715	-0.074959	0.065418	0.08994	-0.250294	-0.074878	0.188259
56	820.6/184.1>GPCho:40:5p, 40:6e	0.072827	0.142171	-0.146511	-0.004546	-0.030141	0.229839	0.119493	-0.129626	-0.033368	-0.203851
57	826.6/184.1>GPCho:40:2p, 40:3e	-0.039473	-0.2254	0.002973	-0.0437	-0.006089	0.134977	0.097917	-0.059349	-0.097292	-0.017012
58	828.6/184.1>GPCho:40:1p, 40:2e	-0.07607	-0.210299	-0.005714	-0.012184	0.004438	0.144476	0.111634	-0.088936	-0.110793	-0.050951
59	834.6/184.1>GPCho:40:6a	0.106038	0.155471	-0.08874	-0.043774	0.029866	0.027101	0.18814	-0.160152	0.052622	-0.135163
60	836.6/184.1>GPCho:40:5a	0.122654	0.038813	-0.020047	-0.076037	0.028808	0.024709	0.258671	-0.31547	0.020572	0.024525
61	703.8/184.4>SM:d18:1/16:0	-0.175281	0.060803	0.041765	-0.023639	0.007731	0.134615	-0.11856	0.081743	-0.046613	0.084762
62	731.8/184.4>SM: d18:1 / 18:0	-0.15771	0.031602	0.095861	-0.126012	0.032054	-0.000935	-0.018888	0.013428	-0.100806	-0.051254
63	787.9/184.4>SM: d18:1 / 22:0	-0.034915	-0.069845	0.02273	0.285376	-0.039092	-0.128526	0.050653	-0.220932	0.040457	0.045595
64	813.9/184.4>SM: d18:1 / 24:1	-0.17899	0.050782	0.031286	-0.058552	0.021206	0.105166	-0.033842	-0.020241	-0.040045	0.085583
65	841.9/184.4>SM: d18:1 / 26:1	-0.063341	-0.199542	0.073823	-0.023832	0.008619	0.060549	0.10256	-0.175559	-0.171318	0.090918
66	843.9/184.4>SM: d18:1 / 26:0	0.07193	-0.146667	-0.048016	-0.099216	-0.067891	-0.035135	-0.006765	-0.121014	-0.29072	-0.045902
67	538.7/264.4>Cer: d18:1 / 16:0	-0.142242	0.033448	-0.09435	-0.10523	-0.148229	-0.007934	0.060552	0.091805	-0.004677	-0.152295
68	566.7/264.4>Cer: d18:1 / 18:0	-0.160803	0.016079	0.047383	-0.140396	-0.054296	-0.072674	0.067322	0.021635	-0.069244	-0.210085
69	594.7/264.4>Cer: d18:1 / 20:0	-0.172989	0.020438	0.037903	-0.096046	-0.025323	-0.058304	0.087537	0.020958	0.014798	-0.180158
70	622.8/264.4>Cer: d18:1 / 22:0	-0.174587	0.045926	0.002318	-0.01203	-0.026162	-0.082588	0.086508	-0.044505	0.116897	-0.12969
71	648.9/264.4>Cer: d18:1 / 24:1	-0.18003	0.03166	-0.010177	-0.096972	-0.045584	-0.016893	0.056997	0.027825	0.044892	-0.151173
72	650.9/264.4>Cer: d18:1 / 24:0	-0.139944	0.097577	0.008368	0.102159	0.020515	-0.052467	0.037886	-0.117716	0.180256	0.028409
73	700.7/264.4>MonoHexCer: d18:1 / 16:0	-0.180889	0.075083	0.046535	0.041136	-0.005365	0.033516	-0.040045	-0.015177	0.019077	0.001707
74	728.7/264.4>MonoHexCer: d18:1 / 18:0	-0.182163	0.074672	0.013431	0.003025	-0.02678	0.002908	-0.031859	0.009586	0.003315	-0.00366
75	784.8/264.4>MonoHexCer: d18:1 / 22:0	-0.166011	0.085551	0.031445	0.112037	-0.06181	0.020351	-0.05178	-0.099979	0.040825	0.052457
76	810.9/264.4>MonoHexCer: d18:1 / 24:1	-0.174019	0.089408	0.027701	0.012556	-0.054741	0.027562	-0.038916	-0.034517	0.001081	-0.017102
77	812.9/264.4>MonoHexCer: d18:1 / 24:0	-0.160006	0.096075	0.025037	0.105103	-0.092382	0.026364	-0.024355	-0.101235	0.002992	0.088637
78	862.7/264.4>DiHexCer: d18:1 / 16:0	-0.175317	0.085072	0.043653	0.037442	-0.037644	0.031571	-0.039425	-0.054154	0.004806	0.073388
79	890.7/264.4>DiHexCer: d18:1 / 18:0	-0.181824	0.070329	0.035695	0.036663	-0.022086	-0.027786	-0.003397	-0.070978	0.000885	0.000428
80	946.8/264.4>DiHexCer: d18:1 / 22:0	-0.172009	0.081881	0.017889	0.094602	-0.066074	-0.022863	-0.020225	-0.088566	-0.003312	0.090423
81	972.9/264.4>DiHexCer: d18:1 / 24:1	-0.176857	0.08314	0.023134	0.027124	-0.052376	0.01667	-0.037757	-0.028942	-0.014648	0.083128
82	974.9/264.4>DiHexCer: d18:1 / 24:0	-0.168763	0.089389	0.01261	0.09257	-0.05651	0.010652	-0.036838	-0.079889	0.017903	0.122981

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1	-0.098198	-0.146524	-0.092174	0.293313	-0.043862	0.121739	0.017243	0.02755	0.039279	0.033333	-0.026265	0.043844	0.146647	0.056482
2	-0.142556	-0.067888	0.210736	0.082006	-0.181552	0.164293	-0.178766	-0.068917	-0.089321	0.00705	0.002514	-0.07526	-0.10348	0.071779
3	0.02398	-0.038163	-0.078506	0.325413	0.036458	0.185286	0.033978	-0.043814	0.062899	-0.023873	-0.026091	0.085843	0.091422	-0.118898
4	0.06676	0.042634	-0.054513	0.082122	0.03186	0.034643	-0.022648	-0.06334	0.04733	-0.062312	-0.155291	0.025052	-0.070673	-0.037784
5	0.093339	0.015273	-0.050479	0.068378	0.068363	-0.018644	-0.041148	-0.012195	0.021711	-0.02819	-0.08781	0.015581	-0.005676	-0.072428
6	0.03455	0.077426	0.006021	-0.007361	-0.012564	-0.024518	-0.086673	-0.064811	0.013327	0.02561	-0.016918	-0.038075	-0.057692	-0.033455
7	-0.136083	-0.089534	0.10462	0.018598	-0.213477	0.152511	-0.07258	-0.012153	-0.100656	-0.071286	-0.084634	-0.106099	0.096468	0.145985
8	-0.094813	-0.05113	-0.029486	-0.057572	-0.084601	0.024415	-0.154767	0.270576	0.202958	-0.028276	0.1282	-0.021415	-0.262218	-0.131745
9	-0.088091	0.013909	0.152213	-0.047245	-0.087023	0.04314	-0.031016	-0.074187	-0.148703	-0.043633	0.279039	0.08456	0.187587	-0.141985
10	-0.019096	0.045869	-0.043596	-0.12483	0.096885	-0.211406	0.08779	-0.022871	-0.040376	0.203926	-0.012942	-0.054414	-0.051927	-0.045073
11	0.17465	-0.111316	0.008256	0.105474	0.025243	-0.184904	0.14451	0.026175	0.289461	0.199871	0.108194	-0.012347	-0.201466	0.097525
12	0.021923	0.15209	0.135623	-0.005684	-0.043117	-0.058564	0.061455	0.108499	0.066037	-0.002877	0.02338	0.054101	-0.091557	0.056941
13	0.058842	0.170063	-0.085185	0.007952	0.024806	-0.118029	0.110302	-0.082256	0.039862	-0.026883	-0.004221	-0.066879	-0.031008	0.066074
14	0.049554	0.072095	-0.179903	-0.159922	0.009354	-0.143174	0.133548	0.013476	-0.071541	0.015844	-0.086443	0.064608	0.060377	0.10513
15	0.081471	-0.088285	-0.147598	0.060704	0.057078	-0.146404	-0.042608	0.080201	-0.012064	0.195835	-0.093701	0.161056	0.044149	-0.051775
16	0.06452	0.125625	-0.078895	-0.194197	-0.020864	-0.107437	0.128941	-0.071573	0.011252	-0.045857	-0.017822	-0.014661	0.035701	-0.021449
17	-0.088911	-0.067915	-0.339492	0.158248	0.066597	0.168733	0.065194	0.229546	0.184835	-0.001271	-0.039983	0.131757	-0.069381	0.106203
18	0.189375	0.254203	0.186653	-0.048427	0.100107	0.062594	0.070617	0.189754	0.205979	0.135056	0.11202	0.025282	-0.236863	0.066087
19	-0.111009	-0.384538	0.096958	0.138148	0.134941	-0.118991	0.18931	0.005771	-0.037006	0.153937	-0.230464	-0.003099	-0.000271	-0.011741
20	0.092463	-0.256179	0.054363	-0.112152	-0.017074	0.164599	0.108739	-0.091541	0.047385	-0.206363	-0.157061	0.15337	-0.152072	0.175648
21	0.127384	-0.207047	-0.019364	-0.058813	0.035115	0.154304	-0.031724	0.043205	0.03391	-0.032081	0.015633	0.064767	-0.136315	0.153846
22	-0.05773	-0.098737	0.137393	-0.227996	-0.072065	0.040086	-0.103906	0.207347	0.142189	-0.028501	0.162542	-0.025868	-0.034498	-0.198121
23	-0.044926	-0.110701	-0.09277	-0.01044	0.000469	-0.046007	0.064483	-0.085452	-0.052954	-0.144987	0.064602	0.080134	-0.175692	0.089371
24	0.147797	-0.218369	0.025698	-0.053576	-0.047997	-0.2148	-0.065393	-0.060549	0.000252	-0.114453	0.118307	0.035907	-0.098746	-0.028861
25	0.032238	-0.367704	-0.006366	-0.225199	0.038362	-0.067335	0.139532	0.109685	0.010071	-0.022494	0.057852	-0.068013	0.293508	0.159802
26	-0.191492	0.052219	-0.014235	0.031957	0.16192	-0.045492	-0.055816	-0.176912	-0.060348	-0.111228	-0.188465	-0.241478	-0.222854	-0.125735
27	-0.040166	0.000696	-0.139513	-0.038735	0.004046	0.092534	-0.051039	-0.039363	0.023472	0.008706	-0.137543	-0.116595	-0.175938	0.236507
28	-0.01376	0.089545	-0.10939	-0.065932	-0.128684	-0.043511	0.004935	0.220003	0.120926	0.086507	-0.03857	0.142926	0.290219	-0.185306
29	-0.100202	0.083504	0.07286	0.177862	-0.097822	-0.059306	0.170392	0.090189	0.061495	-0.104249	-0.030708	0.018993	0.138134	-0.181054
30	0.060073	0.062921	-0.095308	0.044784	-0.148354	0.181794	0.021543	-0.040886	0.103409	-0.083394	-0.00431	-0.034471	-0.057438	0.005183
31	0.103762	0.076341	-0.047912	0.106007	-0.14529	0.048343	0.059584	0.058191	0.028591	-0.070307	-0.169467	0.198371	0.065994	-0.029735
32	-0.122239	0.091796	-0.192989	-0.032086	0.015637	-0.038445	0.105988	0.121009	-0.274626	0.350091	-0.268832	-0.17772	-0.070232	-0.147018
33	-0.07788	-0.04596	-0.04363	-0.102518	-0.142603	0.045085	-0.013712	-0.028655	0.065495	0.17973	0.01815	0.248204	-0.160749	-0.052414
34	0.193753	0.108649	-0.004037	-0.110456	0.230573	0.428816	0.101425	0.0883	-0.121118	0.146602	-0.126526	-0.003992	-0.022477	0.035426
35	0.166392	-0.00217	0.097013	0.004836	-0.141961	-0.129569	-0.071209	0.173047	-0.097561	-0.005087	-0.09707	0.102882	-0.0117	0.060208
36	-0.184217	0.078929	-0.156112	-0.035543	0.069545	0.095796	0.206655	-0.041666	-0.103611	0.033246	0.244372	-0.058839	-0.031881	0.018585
37	-0.039587	0.18942	0.009728	0.002407	0.124766	0.105463	0.008355	-0.189557	-0.214178	0.147844	0.119737	0.170673	0.08202	0.104145
38	0.119332	0.168792	0.135462	0.006859	-0.189235	0.018399	0.090863	0.197287	-0.059729	0.014528	-0.146927	0.075019	0.085	0.245181
39	0.05227	0.049687	-0.061298	0.163718	0.082563	0.009222	0.162677	0.044916	0.145967	-0.306207	-0.052273	-0.187459	0.018414	-0.063363
40	0.142812	-0.03945	-0.2204	0.013143	0.01745	-0.043847	-0.194795	0.059533	-0.155523	-0.086045	0.019288	-0.209253	-0.018104	-0.092477
41	0.248753	0.142503	-0.149108	0.021957	0.105152	-0.086356	-0.22057	-0.071789	-0.056377	-0.093641	-0.008335	0.09339	0.050885	0.200648

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
42	-0.029445	0.01888	0.093604	-0.028101	0.261635	-0.051344	-0.162932	0.094044	0.041671	-0.021047	-0.00523	-0.057218	0.012336	-0.033301
43	0.019931	0.07588	0.068617	0.04356	0.219571	0.044963	-0.085617	-0.031602	-0.008445	0.028916	0.106875	0.118524	0.208747	0.082206
44	0.008273	0.074312	0.112662	0.148792	-0.143778	-0.015832	0.233732	0.037632	-0.158694	-0.146898	0.04975	0.032445	-0.028618	0.002411
45	-0.142783	0.030883	0.025892	0.027752	-0.045035	-0.102139	0.187732	0.06673	-0.113607	-0.128074	0.070105	-0.055218	-0.164113	0.14283
46	-0.026258	0.055103	0.006297	0.216169	0.123971	0.047331	0.090014	0.156237	0.126501	0.101287	0.286367	-0.113531	0.140797	0.274132
47	0.145929	-0.079089	0.230016	0.002159	0.013755	-0.020727	-0.056661	-0.112519	0.014558	0.157745	-0.031604	-0.046748	0.078106	-0.095292
48	0.161377	0.07651	0.120633	0.072962	0.141485	0.031908	-0.124547	-0.053116	0.042373	-0.132996	-0.147811	0.087873	0.043526	-0.202142
49	0.079857	-0.081208	-0.110553	-0.106342	0.215559	0.10936	-0.069099	0.052613	0.115427	0.015273	0.102341	-0.175949	0.168813	-0.02581
50	0.088344	-0.052556	0.136165	0.004731	0.110124	-0.085083	-0.026902	0.050156	0.091253	-0.004125	-0.181501	0.054463	-0.02311	-0.076548
51	-0.009948	-0.073734	0.101008	-0.038094	0.140602	-0.066102	-0.018333	0.206194	-0.022191	-0.123465	-0.236266	0.037431	0.069925	-0.019252
52	0.056487	0.03517	0.017811	0.030893	-0.037281	-0.023997	0.110309	0.017117	-0.098292	-0.039751	-0.011314	0.156054	-0.047306	0.101599
53	-0.055152	-0.039714	0.242644	-0.003483	-0.004658	-0.083656	0.163449	0.051863	-0.097861	-0.010643	0.01272	-0.002416	0.007648	-0.005433
54	-0.067301	-0.033942	-0.004412	-0.023767	-0.035723	-0.006734	-0.101934	-0.233484	0.231365	0.078894	-0.028785	-0.088645	0.132281	0.109747
55	-0.082514	0.097145	-0.064213	0.068525	-0.070962	0.07611	-0.209387	-0.092184	0.134528	-0.067082	-0.104713	-0.053535	0.004097	0.001846
56	0.11673	-0.027198	-0.068949	-0.055431	0.000514	0.09619	0.02446	0.017366	-0.026433	-0.072746	0.01225	0.060337	-0.026847	-0.043844
57	-0.040057	-0.057557	-0.036691	0.11093	0.062306	-0.055383	0.093177	-0.083892	0.008151	-0.165681	0.053548	0.077477	-0.008057	-0.039897
58	-0.033058	0.002655	-0.028132	0.017632	-0.005225	-0.016833	0.135982	-0.006316	0.009574	-0.129948	0.064909	0.000775	-0.007923	0.011199
59	0.09839	-0.059345	-0.045837	-0.137111	-0.083329	0.116392	0.017872	-0.042515	0.001142	0.057564	0.069498	-0.086229	-0.147534	0.076972
60	0.142176	-0.125638	-0.197936	0.020704	0.005158	-0.120921	-0.02399	-0.269675	-0.06961	0.085147	0.165851	0.313323	-0.025975	-0.059931
61	-0.070924	-0.022294	-0.018154	-0.064107	-0.102159	-0.006729	0.012318	-0.055217	0.015796	0.121081	0.047531	0.160215	-0.100807	-0.107113
62	-0.140268	-0.034413	-0.001422	-0.203726	0.216002	0.224705	0.092619	-0.010114	-0.02689	-0.078927	-0.018013	0.212944	-0.088941	-0.123447
63	-0.145218	0.068507	0.152484	-0.122309	-0.000924	0.070788	-0.131587	-0.073154	0.001396	0.04148	-0.222581	0.183126	-0.008326	0.173215
64	-0.115016	-0.020037	0.005317	-0.110309	-0.062477	-0.008327	-0.052489	-0.199355	0.153477	0.091786	-0.050951	-0.080492	0.131158	0.230419
65	-0.089674	-0.045221	-0.082207	0.049677	0.099165	-0.097165	0.106384	-0.088827	0.082609	-0.050275	-0.084043	0.060642	-0.001206	-0.05609
66	-0.048509	-0.227717	0.016339	0.296585	0.062236	0.062012	-0.273172	0.19688	-0.210599	0.212442	0.077158	0.06327	-0.075618	0.038914
67	-0.023397	0.073568	0.18134	0.286969	0.035607	-0.073331	0.012152	-0.129926	0.006516	0.185302	0.056727	-0.027562	-0.186708	0.025263
68	-0.076293	0.00435	0.156481	-0.006352	0.264698	0.045827	0.049844	-0.055661	-0.008611	-0.051895	0.00732	0.068984	-0.003249	0.002901
69	-0.073386	0.033821	0.163568	0.031889	0.275274	-0.018272	-0.002773	0.019124	0.037144	-0.084943	0.051077	0.133669	-0.018542	0.064118
70	-0.126322	0.064931	0.040439	-0.049718	0.185666	-0.200819	-0.177008	0.161883	-0.041433	-0.109727	0.014339	0.107367	-0.038444	0.131002
71	-0.032884	0.00765	0.045694	0.033954	0.117551	-0.184196	-0.019657	-0.054776	0.075194	0.002586	-0.017953	-0.087628	0.036354	0.184703
72	-0.190099	0.074538	-0.190211	0.020673	0.033957	-0.182767	-0.236254	0.144862	-0.168038	-0.218316	0.08868	0.127217	-0.03523	0.151118
73	0.157858	-0.058633	0.019663	-0.051331	-0.040108	-0.02239	-0.027438	0.01409	-0.07871	-0.020243	-0.031129	-0.130541	-0.017219	-0.003805
74	0.096276	-0.090522	0.020466	0.016389	0.092278	0.064002	0.132336	-0.033438	-0.23406	-0.04053	0.060734	0.030917	-0.046606	-0.089332
75	0.12096	-0.036509	0.009248	0.063508	-0.031068	-0.062475	-0.023706	0.070393	-0.161259	-0.026274	-0.038486	-0.00194	-0.106402	0.062234
76	0.215152	-0.051864	0.055113	0.071632	-0.046124	-0.022116	0.047066	-0.11258	-0.0093	-0.023849	-0.029038	-0.041812	0.061125	0.062571
77	0.133098	0.023777	0.001186	0.057454	-0.092337	-0.028467	-0.08571	0.058976	-0.143657	-0.012691	-0.046258	-0.058859	0.046369	0.10132
78	0.148249	-0.006505	0.025694	0.031837	0.004025	0.06008	-0.062546	-0.07765	-0.031567	-0.123667	0.112284	0.026627	-0.055486	-0.143757
79	-0.000133	-0.091269	0.012247	-0.104778	0.080411	0.076482	0.060424	0.114545	-0.163038	-0.082303	0.005913	-0.150227	0.048448	0.044594
80	0.081756	0.012728	-0.007676	0.047271	0.019832	0.013004	-0.001123	0.099714	-0.144144	-0.008395	0.1295	-0.071786	-0.118933	-0.039893
81	0.204802	-0.021702	0.025542	0.076983	0.050075	0.016614	0.002408	-0.06908	-0.036971	0.018774	0.059834	-0.192178	-0.036836	-0.029814
82	0.114884	-0.037278	-0.0137	0.001326	-0.011881	0.088604	-0.023311	0.030166	-0.123481	0.013824	0.121542	-0.073848	0.096317	-0.01246

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
1	0.041524	0.155149	-0.023684	0.038441	-0.02201	0.043133	-0.078982	-0.196107	-0.027417	-0.025864	-0.019444	0.121071	0.103326	0.132877
2	0.168363	-0.090637	-0.106938	-0.122679	0.080722	-0.110182	0.287171	0.017205	-0.114088	-0.15795	0.179021	-0.112581	0.001854	-0.081568
3	0.064758	-0.028475	-0.189675	0.164962	0.102371	0.015344	-0.207537	-0.03752	0.096363	-0.112452	-0.103973	-0.213414	0.118834	-0.038237
4	0.06496	-0.129695	-0.133374	0.052607	-0.149373	0.132099	0.072195	0.023602	0.098973	0.109096	0.06429	-0.166018	-0.032795	-0.124153
5	0.013785	-0.144526	-0.001016	0.047836	-0.098913	-0.017005	0.098846	-0.015316	0.09419	0.122062	0.08826	-0.011788	-0.019863	-0.033275
6	0.037101	0.026394	0.115899	0.014645	-0.078426	-0.029812	0.115507	-0.075353	0.136485	-0.043627	0.211596	0.078282	-0.02651	-0.026335
7	0.105608	-0.037516	-0.102093	-0.174293	0.222101	-0.136336	-0.018118	-0.092681	-0.089596	-0.143002	0.05703	0.172182	0.195523	0.198744
8	-0.029259	0.137546	0.072048	0.176732	0.085971	0.020332	0.023561	-0.017986	0.043474	-0.144018	0.014011	-0.001029	0.087218	-0.066355
9	-0.107395	0.306707	0.233244	-0.079443	0.128543	0.088614	-0.07609	-0.106636	-0.084157	0.205148	-0.373437	-0.113668	-0.061613	0.071431
10	0.114394	-0.211074	0.102046	0.128151	0.019268	-0.277439	-0.048379	0.070921	0.063387	-0.141124	-0.093823	0.003375	0.067936	0.16763
11	-0.325425	-0.013657	-0.221537	0.101884	0.059424	-0.005324	0.080247	-0.092374	-0.222557	-0.014226	-0.034339	0.024881	0.053997	0.172994
12	-0.060913	0.171376	-0.022898	-0.085497	0.027773	0.057558	-0.080527	0.239245	-0.16016	-0.193246	0.068858	0.18386	-0.167549	-0.143871
13	-0.037343	0.067642	-0.001336	0.005118	-0.004596	-0.063041	-0.053769	-0.049906	0.002497	0.012201	-0.065383	-0.121375	0.02763	-0.083475
14	-0.050517	0.091293	-0.010588	-0.078069	-0.045963	0.013001	-0.013931	-0.084132	-0.127057	0.044834	0.105098	-0.025014	0.085489	-0.033205
15	-0.086465	-0.001556	0.062834	0.039486	-0.007748	-0.061258	0.076642	-0.153865	-0.01808	-0.024185	-0.025237	-0.013661	-0.052711	0.04469
16	-0.022158	-0.034056	-0.000534	0.003301	-0.084681	-0.00859	-0.06015	0.063027	-0.069193	0.161889	-0.063903	-0.059379	-0.042076	0.159443
17	0.182775	-0.08972	0.162008	0.101738	0.158758	-0.000704	-0.085486	0.117197	-0.176014	0.003538	-0.13899	-0.08876	0.057595	-0.09959
18	0.112343	-0.038155	-0.015934	-0.239316	0.166711	-0.021361	0.09255	-0.2211	0.222805	0.025973	-0.102222	0.018735	0.023744	0.181644
19	-0.040274	0.025891	0.144078	-0.16222	-0.03166	-0.135181	0.131519	-0.104045	0.061807	0.032998	-0.00914	-0.075679	-0.074239	0.016207
20	0.088123	0.023678	0.074189	-0.141919	0.14551	-0.018804	-0.106687	-0.014975	0.097296	0.196659	-0.100366	-0.166446	-0.152676	-0.104026
21	-0.050972	-0.098777	0.134683	0.070319	-0.026234	-0.032496	-0.019733	0.072986	0.081084	-0.103628	-0.11439	0.278706	-0.218574	0.029714
22	-0.046515	0.020116	0.024042	0.178983	-0.045555	0.082593	0.022604	-0.016844	0.169955	0.117438	-0.029381	-0.102215	0.006946	-0.138645
23	0.095333	0.188751	0.01415	-0.188754	-0.02	0.15195	-0.162012	-0.067477	-0.060088	-0.06562	0.17739	-0.079527	-0.115984	0.194574
24	0.017072	-0.102776	0.084494	-0.078168	0.011116	-0.038022	0.06832	0.270105	0.110826	0.036824	0.006025	-0.19118	0.268742	-0.034937
25	0.121317	-0.031954	-0.259234	0.199866	-0.131169	0.02782	0.029401	-0.08347	-0.035528	-0.014596	-0.20194	0.049719	-0.071651	-0.157049
26	0.000795	-0.022414	0.137172	0.265337	0.007218	-0.108632	-0.111311	-0.011005	0.020332	0.13799	-0.112043	0.129461	-0.063781	0.338155
27	-0.160448	0.096714	0.039337	0.076391	-0.008216	0.038644	0.084234	-0.195339	0.086631	0.031316	-0.016506	-0.028632	-0.177768	-0.238538
28	0.06416	0.067277	0.288294	0.010194	0.098982	-0.071578	0.206422	-0.032805	-0.121075	0.078622	0.201854	0.018293	-0.11263	-0.070408
29	-0.096952	-0.22746	0.049163	-0.07872	0.076757	-0.042813	-0.077005	0.04902	-0.04713	-0.117309	-0.007593	-0.095178	-0.230033	-0.010147
30	-0.219063	-0.15602	-0.066049	-0.134666	-0.037303	-0.129387	-0.152543	-0.008624	-0.019475	0.049193	-0.072478	-0.015213	-0.136396	-0.051316
31	-0.05174	-0.089314	0.00172	-0.171126	-0.116601	0.072137	0.123861	0.136989	0.151977	0.003314	-0.066818	0.0851	0.173912	0.061895
32	0.053167	0.208042	-0.083961	-0.12192	0.183709	0.06138	-0.143269	0.128098	0.115444	0.029609	-0.022555	-0.090284	0.016134	-0.116643
33	0.138162	-0.059748	-0.089208	-0.123754	-0.036203	-0.077258	-0.101557	0.060523	0.044579	0.032132	-0.062523	0.243468	-0.063084	-0.040885
34	-0.112418	0.075473	0.002281	-0.061098	-0.112357	0.160392	0.114313	-0.112363	-0.159616	0.013407	0.008063	-0.020821	-0.027895	0.127123
35	0.147674	0.086129	0.000241	-0.176237	-0.277723	-0.132033	-0.205966	-0.146448	0.040825	0.016002	-0.041757	-0.214129	-0.032052	0.068771
36	0.005366	-0.32966	0.191398	-0.176771	-0.10241	0.38773	0.053848	0.029445	-0.006594	-0.197321	-0.101964	-0.10797	0.020677	-0.015613
37	-0.037459	-0.014553	-0.039281	0.092886	0.037001	-0.112888	0.04537	-0.130047	0.159953	-0.082336	-0.078198	0.133818	-0.058485	-0.263814
38	0.101009	-0.145985	0.056902	0.294665	0.166264	0.017784	-0.102009	-0.077144	0.115105	0.119721	0.165075	-0.168858	-0.068799	0.084039
39	0.247559	0.119233	0.036222	-0.022061	-0.132059	0.117414	0.157973	0.002596	-0.090795	0.045662	-0.025421	0.23306	-0.017723	0.044324
40	-0.010201	0.056747	-0.1804	0.069917	-0.005441	0.121564	0.046734	0.013968	0.059002	-0.127425	-0.025035	-0.086658	-0.012544	0.070845
41	-0.029109	-0.085929	0.186165	-0.054445	0.224965	-0.155596	0.059112	0.028059	-0.082116	0.039351	-0.131745	0.064562	0.066545	-0.077751

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
42	0.140121	0.090197	0.085528	-0.093818	0.025912	-0.0355	-0.082455	-0.031166	-0.135658	0.024405	0.028311	-0.048894	-0.008768	-0.064908
43	-0.006055	0.035401	-0.15261	0.107196	0.021496	-0.022063	0.078684	0.11758	-0.159571	-0.01481	0.034617	0.008143	-0.082611	-0.016179
44	-0.095125	-0.002987	-0.029081	0.147517	-0.112827	-0.068316	0.050782	-0.002999	-0.012886	0.002073	-0.077947	0.03971	-0.023334	0.041138
45	-0.068181	-0.015196	0.084322	0.022742	0.029746	-0.165103	0.045589	-0.079888	-0.053711	-0.068171	-0.025352	-0.142526	0.064874	-0.272856
46	0.011814	0.219095	-0.010379	-0.037478	-0.047848	-0.201802	-0.16918	0.161727	0.233465	0.122484	0.177271	-0.025449	0.068003	0.088064
47	-0.104004	-0.060969	-0.111734	-0.029798	0.094738	0.093123	-0.151493	-0.076533	0.03695	-0.028868	0.018984	0.018053	-0.017445	-0.057514
48	-0.01009	-0.140868	-0.01957	-0.049012	0.140329	0.010508	-0.12985	0.057593	-0.118921	-0.00417	-0.105581	0.057949	-0.037986	-0.061629
49	0.154924	-0.103832	0.036319	-0.231785	-0.234865	-0.192202	-0.129177	-0.029746	-0.001632	-0.098389	-0.018877	-0.017668	0.051853	-0.046906
50	-0.050955	0.126773	-0.040975	-0.095477	0.034214	0.218006	0.174852	-0.078333	-0.07768	-0.03914	-0.055252	-0.111475	0.201086	-0.036239
51	-0.058557	-0.017891	-0.044217	0.011935	0.151593	0.073959	-0.057758	0.116378	0.061517	0.010752	0.072738	0.090853	-0.086514	0.049405
52	0.157435	0.046251	0.078284	0.085357	-0.0251	0.100152	0.231022	0.017884	0.117117	0.025014	-0.146303	0.119649	0.316616	0.047136
53	0.085474	-0.152703	0.069856	0.063015	-0.013524	0.058349	0.052551	-0.180961	-0.074161	-0.002191	-0.048016	0.061942	-0.077777	0.03738
54	-0.070073	0.022794	0.014823	-0.105542	0.066763	-0.012832	0.140082	0.019495	0.138208	0.037673	-0.102252	-0.043526	-0.097958	0.094788
55	0.062742	0.11707	-0.03444	0.003829	-0.020177	-0.161411	0.179515	0.010434	0.009803	0.11082	-0.224813	-0.143175	-0.080033	0.007419
56	-0.129537	0.089409	-0.100399	0.026952	-0.012153	-0.056218	-0.024302	0.058544	0.09346	0.05752	-0.034947	0.061017	0.107431	0.015559
57	-0.128544	0.053378	-0.02493	-0.123387	0.004172	-0.029915	-0.074884	-0.0431	0.030224	0.029053	0.156168	-0.013849	-0.015078	-0.022106
58	-0.125069	0.051982	0.058251	-0.028416	0.004301	-0.076392	-0.032884	0.069009	0.023127	0.085733	0.033981	0.035344	0.084576	0.067244
59	0.15068	0.014735	0.030041	0.139439	0.049546	0.044031	-0.082973	0.106115	-0.26636	0.115382	0.183335	-0.068435	-0.111291	0.049488
60	0.243551	0.068649	-0.03905	0.088606	0.201292	0.065767	0.013448	-0.058784	-0.010139	-0.13475	0.087563	-0.082695	-0.101139	0.1294
61	0.035862	-0.063546	-0.094215	-0.058838	-0.0999	0.031276	-0.130351	0.036809	0.049551	0.053717	-0.051695	0.144418	-0.030479	0.029812
62	-0.039826	0.070324	0.014805	0.039243	0.001735	-0.127193	0.105518	0.035737	0.098262	-0.047956	0.174275	-0.097585	0.086308	0.132204
63	-0.092175	-0.018543	0.058757	0.158729	-0.300143	-0.020686	-0.238459	0.025719	-0.24246	-0.049643	0.016828	-0.074989	0.333884	-0.009423
64	-0.088195	0.01527	0.149014	-0.000284	0.057224	0.113202	0.112985	0.108036	-0.04573	0.059464	0.058006	-0.052064	0.067305	0.083382
65	0.028882	-0.009185	0.078594	-0.000926	0.007576	-0.133586	0.059762	-0.218779	-0.043437	-0.025702	0.131748	0.136714	0.015181	-0.127663
66	-0.227402	-0.145762	0.247537	-0.033609	-0.106889	0.088878	-0.017437	0.097141	-0.021922	0.17674	0.023772	0.047267	-0.0113	0.056121
67	0.315026	0.078715	-0.040553	0.070728	-0.097383	0.141629	0.007947	0.030675	-0.046519	0.249916	-0.077367	0.050738	-0.001729	-0.185535
68	0.034025	0.021554	0.041778	0.082292	0.033303	-0.013029	-0.023704	0.074754	0.149933	-0.116024	-0.011919	-0.156932	-0.012775	0.015855
69	-0.017689	0.051737	0.020175	0.072583	-0.065416	-0.071627	0.070131	0.063992	0.029921	-0.154668	-0.030322	-0.114718	-0.101254	0.030252
70	0.151961	-0.042285	-0.114527	-0.11909	-0.016815	0.085616	-0.077874	0.006734	-0.087077	0.026554	-0.06009	0.093401	-0.067596	0.040438
71	-0.024885	-0.170692	0.030886	-0.054458	0.145745	0.253063	-0.116928	0.060987	0.049652	0.124552	0.132545	0.026741	-0.03122	-0.083447
72	-0.142118	-0.051323	-0.176312	-0.055308	-0.01778	0.080822	0.033109	-0.218955	0.123949	0.111624	0.039602	0.048484	0.002203	0.025937
73	0.083448	0.069319	0.207728	0.014399	-0.024726	-0.044636	-0.129136	-0.087517	0.027218	-0.029049	-0.127533	0.241402	0.12073	-0.192666
74	-0.05959	0.07247	-0.131378	-0.043931	0.027904	-0.173413	0.133962	0.28308	-0.043651	0.277564	0.159157	0.137729	0.005968	-0.144681
75	-0.024594	0.120562	0.02827	0.014459	-0.025905	-0.086896	0.116047	0.085492	-0.113926	-0.20247	-0.151611	-0.087532	-0.214888	0.068326
76	-0.040307	0.143886	0.237681	0.072481	0.026187	0.154537	-0.080177	0.148832	0.053874	-0.15473	0.022145	0.038714	0.09024	-0.012504
77	0.023624	0.095472	0.065711	0.051126	-0.144909	0.024441	0.054221	0.156268	0.172261	-0.280076	-0.008147	-0.038697	-0.203853	0.099572
78	-0.025376	-0.002763	0.155469	0.109114	0.005966	0.027629	-0.157213	-0.291509	-0.004575	-0.033633	0.268977	0.062185	0.040767	-0.048945
79	-0.011479	-0.067547	-0.071571	0.01777	0.362337	0.059692	-0.023039	-0.033704	0.103634	0.007056	-0.032593	0.088785	0.143224	0.027228
80	-0.007349	-0.104625	-0.080701	-0.037885	0.094162	-0.166191	0.076656	-0.018933	-0.309541	0.08251	-0.097654	-0.145194	0.107707	0.023071
81	-0.040715	-0.047908	0.102168	-0.083456	-0.029785	-0.063653	-0.057115	-0.142055	-0.008744	-0.088248	0.096534	-0.077848	0.088983	-0.125744
82	0.137479	-0.178485	0.025289	0.049215	-0.089023	-0.006854	0.101676	-0.059382	-0.004722	0.263118	0.096773	-0.066083	-0.093957	0.162932

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
1	0.152964	0.064527	-0.128015	0.013874	0.220834	0.004928	0.138755	0.02684	0.084136	-0.174416	-0.126365	-0.08755	0.064346	0.061445
2	0.091046	-0.159848	-0.106745	0.030619	-0.135033	0.113712	-0.095393	-0.019505	-0.197775	-0.025406	-0.155542	0.125995	-0.047975	-0.029508
3	0.163872	0.079369	-0.068058	0.008295	-0.180286	-0.070604	-0.022385	-0.104421	-0.133635	0.125429	0.188275	0.057397	-0.256828	0.171982
4	-0.122861	-0.01422	-0.023405	0.03907	-0.022463	0.130917	0.082709	0.154304	-0.021821	0.187015	0.043054	-0.256382	0.282708	0.039018
5	-0.032439	0.084734	-0.105848	0.003157	0.090928	-0.002606	0.096293	-0.141298	0.147912	-0.230377	0.010747	0.281361	-0.094721	-0.028954
6	0.06836	-0.041792	0.061511	-0.070402	0.097216	-0.130744	-0.047972	0.063066	-0.081243	-0.020461	-0.144721	0.178604	-0.172093	-0.202196
7	-0.278217	0.117266	0.118383	0.018967	-0.013434	-0.162543	0.125794	-0.189977	0.066764	0.036944	0.062808	-0.191704	0.083397	-0.080635
8	0.064314	0.045024	0.135332	0.149532	0.004186	-0.040353	-0.030862	0.092617	0.082477	-0.165221	0.142663	0.170141	0.137526	-0.045461
9	0.057309	-0.1024	-0.065024	-0.059963	-0.118762	0.062794	-0.109143	-0.100493	-0.068738	-0.0164	-0.13052	-0.060197	-0.008087	0.083653
10	-0.072296	-0.302428	0.045003	0.003342	0.060765	0.098123	0.042374	0.112372	-0.137677	-0.005025	0.256947	0.037573	0.025426	0.162603
11	0.082275	0.029478	-0.149634	-0.051692	0.086157	0.10079	0.001657	0.031349	-0.104976	0.141226	-0.193542	-0.11241	-0.079008	-0.105155
12	0.105442	0.176294	0.171543	0.109879	-0.021548	-0.007223	-0.189999	0.163476	0.125316	-0.036952	0.133055	-0.12267	0.023213	0.086865
13	-0.028173	0.068698	0.10652	-0.011221	0.131015	-0.121236	-0.012754	-0.130791	0.184711	0.022799	-0.018883	0.081413	0.05736	-0.083163
14	-0.080467	0.074536	0.042374	0.036838	-0.122125	-0.025092	-0.108406	0.069002	-0.118697	-0.095219	-0.074656	-0.072945	0.032344	0.228599
15	-0.106167	0.079591	0.099121	0.003074	0.061929	0.074784	-0.078171	0.074274	-0.175738	0.125635	-0.21978	0.080642	0.084648	-0.152857
16	-0.052264	-0.008188	-0.066433	-0.022641	-0.073403	-0.103309	-0.006925	-0.092485	0.104318	-0.08195	-0.11341	-0.018325	-0.138647	-0.16139
17	-0.261915	-0.074095	0.122043	0.07939	-0.036689	0.008352	-0.165033	-0.131547	-0.097904	-0.036134	-0.093198	0.065534	0.064199	-0.176994
18	0.072444	0.051468	-0.096864	-0.02369	0.065803	0.013693	0.008979	-0.240508	-0.043833	-0.00846	0.084437	0.087461	0.087967	0.143195
19	0.001768	0.085877	0.092223	-0.009422	-0.035879	-0.132682	-0.146495	-0.071525	0.09264	-0.109114	-0.001357	-0.060925	0.016278	0.248523
20	0.123912	0.043768	-0.028136	0.03311	0.110338	0.09634	0.181424	0.148192	-0.03482	-0.027343	0.023667	0.138946	0.008389	-0.036182
21	0.106442	-0.116396	-0.099657	0.007375	-0.234267	0.03916	-0.06957	-0.193364	0.242795	0.11388	0.013718	-0.141865	-0.011717	0.046864
22	-0.163262	0.174201	0.078105	-0.100364	0.076764	-0.080078	-0.133018	-0.16508	-0.183022	0.152066	0.038659	-0.125122	-0.039419	0.047778
23	-0.140862	0.033812	-0.175166	-0.162598	0.119016	-0.060263	-0.178099	0.179638	-0.107443	0.048892	0.24063	0.044118	-0.073287	-0.205092
24	-0.082638	-0.066431	-0.011814	0.142501	-0.035474	0.089923	-0.007821	-0.080861	0.104938	-0.138703	-0.263361	-0.134159	-0.011477	0.13647
25	0.016288	-0.056827	0.075697	-0.116543	0.048484	-0.136915	0.013158	0.029137	0.01797	-0.093829	0.063669	0.115282	0.063401	-0.001178
26	0.070846	0.109057	0.178154	0.109101	-0.104399	-0.012024	0.034276	-0.041344	-0.013815	0.146193	-0.052582	0.014339	0.023917	-0.010557
27	-0.012051	-0.095033	0.005558	0.000809	-0.161693	0.013386	0.085341	-0.136853	-0.076981	0.050165	0.065835	-0.084522	-0.074682	-0.057458
28	0.146047	-0.079014	-0.073358	0.033929	-0.065052	0.143312	0.252782	0.048659	0.085511	0.176892	0.144688	-0.103386	-0.050808	-0.038285
29	0.056668	-0.06565	-0.060761	0.049522	0.240372	0.045309	-0.060185	-0.193435	-0.031607	-0.08118	-0.03262	0.137033	0.075333	-0.046545
30	0.069375	-0.017756	0.056374	-0.13905	0.005017	-0.081277	-0.048812	0.157879	-0.003541	0.007628	-0.035124	-0.053527	0.134929	0.074559
31	-0.109823	-0.048522	0.143801	-0.094786	-0.038465	-0.097558	-0.268351	0.111333	0.131507	0.08921	-0.039557	0.119898	-0.140138	0.10298
32	-0.041109	0.042729	-0.18732	-0.146607	-0.083124	0.065124	0.048026	-0.108657	0.023446	-0.075271	-0.069462	0.034287	0.166111	-0.055028
33	0.017643	-0.140295	0.021623	-0.014363	-0.049244	-0.06614	0.127653	0.044144	-0.119241	-0.048555	-0.264887	0.011911	0.032992	0.178425
34	-0.138713	-0.153769	0.059532	0.266807	-0.042599	0.078915	-0.103256	0.022798	-0.036718	-0.038326	-0.031592	0.078624	-0.075844	0.084758
35	0.065055	-0.035338	0.350406	0.049903	0.062389	0.076356	0.097145	-0.164567	0.056885	0.203771	0.104271	0.051255	-0.063722	-0.089636
36	0.107788	-0.128828	0.121884	-0.079979	0.073816	-0.196633	0.204293	0.004627	0.035233	0.07793	-0.038005	-0.067037	-0.085746	-0.077865
37	-0.055011	0.128241	0.203688	0.109941	0.237265	0.037435	-0.054515	0.019696	-0.024236	-0.05689	0.002212	-0.131461	-0.006566	0.050928
38	0.008996	0.038106	-0.181322	0.015473	0.004504	-0.231597	-0.077952	0.12478	0.037334	0.044545	-0.09504	-0.132275	-0.048061	0.08213
39	0.050747	0.047631	0.154188	-0.146906	0.085392	0.141987	0.077346	-0.074858	-0.118337	-0.003456	-0.132	-0.076018	0.050792	0.07783
40	0.084885	-0.097313	-0.127749	-0.000468	0.10431	-0.107918	-0.15115	0.004673	0.040257	0.004739	0.055575	-0.057393	-0.012752	0.212983
41	0.191694	0.077905	-0.045921	-0.256407	0.085492	-0.061886	-0.003827	-0.018844	0.021877	-0.095163	0.034619	-0.029678	0.165149	-0.01802

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
42	0.091224	-0.044544	0.004544	0.004999	-0.022077	-0.322849	-0.122808	0.207783	-0.048716	0.107884	-0.164499	0.173731	0.04822	0.190951
43	-0.11003	0.029254	0.025236	-0.040132	-0.135319	0.096387	0.08967	-0.176376	0.088541	0.041553	0.065961	0.248125	0.027815	0.053596
44	-0.127671	0.147202	-0.021586	-0.102915	-0.226671	0.211466	-0.006205	0.193064	0.056268	-0.128819	0.004236	0.222537	0.0732	-0.004313
45	-0.048904	0.165876	0.033986	0.029625	0.003309	0.122612	-0.043566	-0.087086	-0.076208	0.012334	-0.09399	-0.027785	-0.1017	-0.017372
46	-0.090932	-0.173012	0.122492	-0.006158	-0.108266	-0.026542	0.123867	0.113505	0.013747	-0.04054	-0.088207	-0.072214	-0.081622	-0.061071
47	0.035127	-0.072655	0.122917	0.028456	-0.085342	-0.140394	-0.025433	-0.027837	0.054543	0.019051	-0.120714	0.067298	0.014691	-0.344258
48	-0.196287	0.11877	-0.019927	0.112442	0.036449	-0.054333	0.054493	0.03914	-0.166857	-0.125426	-0.000282	-0.057169	-0.085645	-0.016677
49	-0.009246	0.241965	-0.305369	0.156028	0.021913	0.185499	-0.14925	-0.017987	0.11503	0.14012	-0.031767	-0.071716	0.035581	-0.100561
50	-0.00841	0.012804	0.123693	0.038988	-0.061411	-0.015924	0.278321	0.024822	0.130391	-0.036486	0.038523	0.01096	0.00332	-0.004096
51	0.038909	-0.290946	0.067339	-0.14813	0.065954	0.112331	-0.14132	-0.061815	-0.02529	-0.182254	0.11556	-0.221531	-0.012606	-0.147495
52	0.027399	0.063182	-0.139065	-0.103403	-0.138843	-0.090037	-0.075532	-0.019893	-0.072956	0.127964	0.121992	0.071014	0.102483	-0.120114
53	-0.149919	-0.066796	-0.153794	0.150861	0.097426	0.015666	0.084709	0.130644	-0.057599	0.052764	0.038511	-0.084384	0.068631	0.042046
54	-0.207412	0.03487	0.062977	0.07145	0.102149	-0.036296	-0.040784	0.070131	-0.079136	-0.015357	0.160875	0.052923	0.084099	0.032217
55	-0.098759	-0.134414	0.0249	-0.076475	0.016001	0.018594	0.041683	0.20356	0.111781	0.107239	-0.072304	-0.081936	-0.130653	-0.028299
56	0.010885	-0.178713	0.024493	0.021035	0.063273	0.003197	0.129304	-0.032875	-0.216649	-0.273387	0.04074	-0.039479	-0.118307	-0.096055
57	0.098715	-0.220566	0.002122	0.14074	-0.098113	0.055001	-0.094489	-0.053471	-0.012557	0.137123	0.055193	0.132034	0.353179	0.015652
58	-0.028745	-0.060781	-0.043843	0.224317	0.120339	0.006197	0.014444	-0.068024	-0.081376	-0.002637	0.166306	0.073603	-0.175445	0.109631
59	-0.038862	0.075847	0.063363	-0.065662	0.13201	-0.066978	0.199638	-0.080047	0.06203	-0.066858	-0.05805	0.175063	0.041327	0.245315
60	0.006659	0.021392	0.146333	0.07378	-0.01139	0.129757	-0.047356	0.001438	0.034556	0.048177	0.037838	-0.065635	-0.042114	-0.022833
61	-0.011154	0.148126	-0.030049	-0.076923	-0.208903	0.027857	0.080239	0.017035	0.097884	-0.005711	0.084985	0.094446	0.03862	-0.042986
62	0.101912	0.177424	0.003676	-0.067089	0.076243	-0.014777	-0.042723	-0.005499	0.099153	-0.125482	-0.048218	-0.204437	0.001638	-0.140665
63	0.212043	-0.108868	-0.021986	-0.067076	0.12696	0.118819	-0.055924	-0.126691	-0.037566	0.059305	0.001787	0.002325	0.062432	0.018474
64	-0.002801	0.025596	-0.034229	-0.036561	0.064286	0.107861	-0.165577	-0.065148	0.013435	-0.054606	0.140432	0.130889	-0.021289	0.03035
65	0.142049	-0.044674	0.003361	-0.010243	-0.152012	-0.231177	-0.050686	-0.059933	0.000751	0.00099	0.003202	0.007388	-0.22731	0.031762
66	-0.066691	0.154147	0.009079	-0.122828	0.112213	-0.000555	0.089121	0.107048	-0.012176	0.024303	0.12247	0.038349	-0.051656	0.034412
67	0.044157	-0.170291	-0.022175	0.041844	0.195936	0.045324	-0.216935	-0.066902	0.178331	-0.094099	0.073583	-0.131278	0.009318	-0.07266
68	0.048268	0.055774	-0.063831	0.04504	-0.018373	0.073941	0.125371	0.208288	0.132151	-0.065484	-0.086061	-0.010573	-0.10145	0.002008
69	-0.150766	-0.114522	-0.10819	-0.207448	-0.090377	-0.191964	0.075813	-0.028837	-0.027335	0.042266	-0.043972	0.050872	0.287357	-0.087773
70	-0.042238	0.091021	-0.000169	-0.093665	-0.061291	0.107242	0.051932	-0.019238	-0.240898	-0.027106	-0.038525	-0.050355	-0.221533	0.038005
71	-0.013101	0.089066	0.036796	0.077088	-0.220677	0.091439	0.01607	-0.065872	0.049287	0.039852	-0.022623	0.003	-0.131512	0.010581
72	0.011839	-0.083881	-0.076654	0.273624	0.013894	-0.040404	0.080109	-0.042424	0.069475	-0.053296	-0.016034	0.060231	0.118521	0.040025
73	-0.087802	-0.07245	-0.210291	0.171026	-0.005526	0.008001	0.010897	0.167848	-0.003161	-0.037907	0.026027	0.11337	-0.095381	-0.174053
74	0.004549	-0.003177	-0.059964	-0.000625	0.173353	-0.159023	0.060519	-0.142304	-0.125561	0.342176	0.070719	0.027121	-0.023333	-0.025183
75	-0.108676	-0.05919	-0.071682	0.031979	0.028432	-0.062502	-0.000145	-0.111619	0.145357	0.009025	0.051253	-0.009011	-0.178214	-0.008804
76	0.026331	0.035478	0.013629	0.237666	-0.022255	-0.160194	0.130388	-0.040938	-0.214921	0.080235	-0.039424	-0.03543	0.204618	-0.011832
77	0.099969	0.112074	0.029919	0.000202	0.041481	0.06056	0.053984	-0.091452	-0.134656	-0.015073	-0.21299	0.019906	0.018471	0.002652
78	-0.352016	-0.171236	-0.003434	-0.231191	0.019418	0.083028	-0.046505	-0.111437	0.210675	0.007156	-0.1248	-0.013052	0.023814	0.130352
79	0.118054	-0.041457	0.203994	-0.101798	0.152554	0.28744	-0.102137	0.16816	0.140726	0.28594	-0.147265	0.194074	-0.042438	0.018558
80	0.068116	-0.022553	0.082771	0.077834	-0.096743	-0.146041	0.045337	0.135623	0.149448	-0.03692	0.102833	-0.12317	0.025437	-0.126547
81	0.028541	-0.012069	0.106256	-0.29873	-0.156236	0.12629	0.075971	0.051849	-0.17533	-0.151394	0.207333	-0.075334	0.00441	0.080972
82	0.210203	0.090395	0.169488	0.112393	-0.186632	-0.004639	-0.209503	-0.019129	-0.161715	-0.230317	0.033193	-0.043074	0.155315	-0.162007

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
1	-0.155246	-0.223855	0.1423	-0.105041	0.120322	-0.185157	-0.084361	-0.027808	-0.066903	-0.083795	0.143778	0.045327	0.024448	-0.081701
2	-0.109773	-0.190905	-0.037435	0.053287	-0.20129	-0.055687	0.151536	-0.069299	0.06972	0.026781	0.012864	-0.007614	0.129805	-0.115336
3	-0.080683	0.168095	0.012647	-0.006154	0.142037	0.040427	-0.041959	-0.054623	-0.031197	-0.027587	-0.103591	-0.039235	-0.035324	0.027352
4	0.095346	0.045264	0.106994	0.016588	-0.04861	0.094046	0.096802	-0.17119	-0.103739	-0.045125	0.060608	0.113718	0.35329	0.063838
5	-0.103936	0.058738	-0.130912	0.012919	0.220274	-0.141416	0.061063	0.170465	0.071748	0.064983	-0.006357	0.018223	0.047326	-0.136872
6	0.01625	0.011955	0.026557	-0.220408	-0.14267	0.045794	-0.177837	-0.095817	0.111242	-0.052553	0.095748	-0.008714	-0.385501	0.01757
7	0.0724	0.091977	-0.056568	0.085365	0.079194	0.205321	-0.061913	0.125944	-0.021328	-0.037222	0.058355	-0.037633	-0.066661	0.054192
8	0.19545	0.046516	0.086305	-0.074215	0.079106	0.088807	0.075401	0.034273	-0.012681	0.039672	-0.043769	-0.032448	0.134687	-0.10773
9	0.112521	-0.012069	0.047142	-0.006587	-0.067491	-0.052067	0.038329	0.059776	0.034936	0.041402	-0.064595	-0.025712	0.099646	-0.05539
10	-0.025441	-0.197522	0.114593	0.07792	-0.021209	-0.165996	-0.117121	0.039351	-0.028331	-0.006569	-0.103946	-0.002572	-0.064944	0.193833
11	-0.021823	-0.111108	-0.126984	0.015017	-0.164473	0.178786	0.037827	0.114374	-0.065872	0.042728	-0.04883	-0.083631	0.019233	-0.055447
12	-0.159049	-0.047339	-0.027805	0.051221	0.044462	-0.117101	0.066741	-0.101793	-0.073442	-0.06524	0.00691	-0.046309	-0.028337	0.041406
13	-0.10454	-0.13375	0.255126	0.07056	-0.172633	0.023108	0.031911	0.190865	-0.013515	-0.128669	0.012361	0.057032	0.193755	-0.093688
14	-0.060869	0.005036	-0.009973	-0.246314	-0.023792	0.217815	0.119064	-0.107115	0.198787	0.166484	-0.118695	0.0905	-0.081979	-0.039796
15	0.087383	0.28614	-0.126093	0.242851	0.223143	-0.093212	-0.049112	-0.139466	0.066702	0.094266	-0.048497	0.039857	0.008232	-0.183458
16	-0.028937	0.001086	0.021598	-0.021746	-0.061386	-0.093148	0.015303	-0.103677	-0.240552	-0.185517	0.156276	-0.22477	-0.022176	0.082202
17	-0.139109	-0.123235	0.024704	-0.103136	-0.096711	-0.054562	-0.090348	-0.019106	-0.009304	-0.02548	0.090816	0.00032	0.019885	-0.039981
18	-0.03338	-0.048909	-0.022769	0.007682	0.068774	0.098384	0.042042	-0.042213	-0.000469	-0.047264	0.113206	0.047796	0.014053	-0.051844
19	-0.132673	0.098055	0.103436	0.065389	-0.035098	0.067111	0.073962	-0.167854	0.013912	-0.121898	0.014921	-0.012753	-0.039287	-0.029544
20	0.157303	-0.132743	-0.111244	0.014498	0.002512	0.007082	0.106745	0.189168	0.024245	0.121968	-0.017287	-0.033609	-0.068863	0.044689
21	-0.060638	0.209599	-0.099853	-0.14552	-0.185562	0.064521	-0.247154	-0.088507	-0.063217	-0.015819	-0.001869	0.080647	0.011291	-0.099946
22	-0.126962	-0.085737	-0.023491	-0.000956	0.055465	-0.062571	0.034137	-0.006265	0.052073	-0.04263	0.237553	0.100653	-0.112525	0.16477
23	-0.000123	0.056293	-0.001136	-0.010137	-0.031018	-0.065472	-0.047903	-0.127887	-0.032874	-0.120021	0.00139	0.038119	0.077981	0.099303
24	-0.138233	0.096434	0.014356	-0.057624	0.075848	-0.051036	-0.15174	0.139089	0.047947	0.0198	-0.066595	-0.051041	0.037814	0.098292
25	0.084278	-0.160587	-0.060565	0.028576	-0.082531	0.071668	0.117369	-0.057022	0.009106	-0.003525	-0.014934	0.005032	-0.102028	-0.086874
26	0.051256	-0.101288	-0.120962	-0.03465	0.025063	0.044543	0.256108	-0.008739	0.053602	0.002144	0.040123	0.093373	-0.028906	-0.081064
27	0.048198	0.049282	0.382526	0.113094	-0.062106	-0.074908	-0.073022	0.010217	0.018384	0.167394	0.082143	-0.068537	-0.069235	-0.040921
28	-0.035304	-0.015627	-0.130047	-0.012484	0.004974	0.022463	-0.012221	0.036648	0.072999	-0.126915	0.00558	0.010055	0.040028	-0.08386
29	0.140864	0.133378	0.065125	-0.188341	-0.15502	0.266049	0.044065	-0.113299	0.065847	0.161332	0.031687	-0.025925	-0.037209	0.225541
30	-0.308344	-0.056674	-0.220726	0.103023	0.032755	-0.199989	-0.074557	0.123258	0.147178	0.059759	-0.026158	0.175345	-0.060678	0.115844
31	0.209167	-0.11058	-0.016731	0.154653	-0.099605	0.123353	0.101359	0.132808	-0.08613	0.055784	0.099201	-0.021731	0.073689	-0.119291
32	-0.025941	-0.020201	-0.166513	-0.018329	-0.131504	0.020581	-0.057203	0.028631	-0.04648	0.067523	0.047449	0.041537	0.008036	0.014481
33	0.223276	0.005228	0.139202	-0.08633	0.142552	-0.06333	0.165643	-0.162405	-0.111649	-0.027429	0.101292	0.158884	-0.062889	0.094866
34	-0.013181	-0.065566	0.031755	-0.077686	0.148995	0.037312	0.010313	0.125354	0.122443	-0.144049	-0.012803	-0.051343	-0.012572	0.176117
35	-0.158788	-0.027441	-0.14266	-0.15639	-0.112601	-0.000968	-0.022375	-0.067299	-0.067005	0.115993	0.018363	0.100187	0.083181	-0.079915
36	-0.052512	0.024652	-0.052412	0.103968	0.133123	0.066644	0.072317	-0.055808	0.038578	0.04108	0.027544	0.00672	-0.014542	-0.16901
37	0.035358	0.055404	-0.142566	-0.168587	-0.090431	0.019498	-0.040011	0.120985	-0.080314	-0.02396	-0.13415	-0.03825	0.068417	-0.069643
38	0.08219	0.117892	0.087802	0.034894	-0.036369	-0.074985	0.079236	0.076662	0.087926	-0.026356	-0.114874	0.000813	-0.10993	0.079793
39	-0.006655	0.130092	0.098693	-0.033343	-0.083548	-0.023393	-0.006588	0.124688	0.168155	0.069641	-0.14934	0.086572	-0.027962	0.228333
40	0.047031	0.02998	-0.118355	-0.007148	-0.047297	0.051038	0.032799	-0.011676	0.231525	0.021434	0.227948	0.089575	0.014141	-0.083361
41	0.008062	-0.043472	0.122138	0.107201	0.119064	0.091315	0.042021	-0.248251	0.10939	-0.030135	0.181353	-0.015861	0.048109	0.081331

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
42	-0.083398	-0.014935	0.050469	-0.011731	-0.013787	0.106679	-0.252917	0.108584	-0.060593	0.087354	0.078132	-0.012584	0.087728	-0.038545
43	-0.155766	-0.040524	-0.042016	0.177503	-0.088361	0.003446	0.176913	-0.12662	-0.015316	0.173753	0.103942	0.050929	-0.054045	0.234388
44	0.050073	-0.019489	0.055404	-0.166402	0.186279	0.068241	-0.25615	-0.023344	-0.0295	0.089056	0.278825	0.021001	0.054053	-0.046629
45	0.060439	-0.063044	-0.123083	0.109514	0.140313	0.054095	0.019456	-0.061838	0.156423	-0.331103	-0.024312	0.064918	-0.042805	0.072217
46	0.131641	0.054666	-0.019201	0.092289	-0.046609	-0.04843	0.073461	-0.036189	0.186163	0.082531	0.101708	0.083384	0.020748	-0.08376
47	-0.079264	-0.078625	0.199997	-0.118749	0.244049	0.025679	-0.040528	-0.149794	0.115859	0.032149	-0.222669	0.193224	0.199052	0.151136
48	0.110198	-0.0471	-0.003883	0.063639	-0.282437	-0.178316	-0.067096	-0.065816	0.01126	-0.078958	-0.050665	0.130677	-0.138726	-0.330402
49	0.242468	-0.089266	0.053207	-0.099621	0.05889	-0.05449	0.033333	-0.032461	0.060445	-0.038621	-0.072419	-0.003732	-0.031776	0.017582
50	0.113028	0.068485	0.046295	0.10143	-0.12627	-0.130671	-0.123612	-0.069535	0.004038	-0.118169	0.046755	0.024922	-0.173707	0.11831
51	-0.044767	-0.168237	0.024229	-0.068104	0.212836	0.099443	0.072551	0.093819	0.131475	-0.05615	-0.084798	-0.087105	0.067832	-0.159745
52	-0.1215	-0.083155	-0.055482	-0.230789	-0.023936	-0.153603	0.132532	-0.162261	0.025152	0.034155	-0.269369	-0.03879	-0.023145	-0.039605
53	-0.174145	0.0221	0.036707	-0.009229	-0.005387	-0.075706	-0.112618	-0.001243	0.091728	0.136883	0.254457	0.105168	0.103345	-0.110371
54	-0.067602	0.162749	-0.071869	-0.210267	-0.024994	-0.16548	0.060506	-0.083682	0.222436	0.026808	0.127963	-0.381186	0.158082	-0.024325
55	-0.137062	-0.115887	-0.047623	-0.052844	0.170803	0.291599	-0.100008	-0.150652	-0.029978	-0.044255	-0.140362	-0.028549	-0.122297	0.026753
56	-0.045972	0.205448	-0.168714	-0.065293	-0.100375	0.023567	0.055764	-0.126856	0.013665	-0.205745	0.133197	0.127714	0.146803	0.098186
57	-0.063866	0.11723	-0.023959	0.068424	0.107191	-0.092993	0.186715	0.033214	-0.069676	-0.176155	0.01348	-0.077806	-0.310735	-0.107257
58	-0.008258	-0.04055	0.206503	0.179815	-0.061254	0.088719	-0.107073	-0.228236	0.022065	0.125402	-0.194089	0.021566	0.085321	-0.100181
59	-0.007425	0.117921	-0.090177	-0.021906	0.043376	0.068681	-0.063679	-0.157598	-0.014938	-0.066068	-0.207323	-0.125735	0.145368	-0.106137
60	-0.024525	-0.031394	0.124464	-0.028059	0.005655	0.152447	0.035402	0.248543	0.079252	0.008187	0.194429	0.059778	-0.094051	0.067946
61	-0.0336	-0.045484	0.118095	0.157277	-0.171278	0.088897	-0.130243	0.051745	0.610454	-0.151967	-0.084941	-0.040711	0.04621	-0.049796
62	-0.088746	-0.016772	0.003898	0.131033	-0.049523	-0.045347	-0.02459	-0.095146	-0.02547	0.460692	-0.02292	-0.006493	-0.019323	0.043741
63	0.075584	0.10323	0.01676	-0.007347	0.007455	0.017061	-0.037332	0.025975	0.164146	-0.016137	0.200955	-0.124538	0.010095	-0.031219
64	0.037378	0.094077	0.004394	-0.042975	0.008748	-0.002586	-0.031066	0.094127	-0.094537	-0.054728	-0.042307	0.660632	-0.009544	-0.06678
65	0.147187	-0.047824	-0.191636	-0.038191	-0.048716	-0.152806	0.027468	0.102429	0.031005	-0.038616	0.076667	0.011893	0.412094	0.244036
66	0.014007	-0.081811	0.03562	-0.069115	-0.133379	0.065528	0.1304	0.078089	-0.039338	-0.047241	-0.068678	-0.036844	-0.009854	0.23045
67	0.102201	0.069218	-0.144253	0.115125	0.009296	-0.012683	-0.062523	-0.052214	0.068139	0.060174	-0.015991	-0.033683	-0.107877	0.040733
68	-0.086589	-0.057855	-0.042294	-0.058812	-0.088987	0.197567	0.069265	-0.137719	0.042317	-0.238205	0.101396	0.091948	0.006247	-0.068674
69	0.07543	0.146604	-0.079032	-0.056042	-0.010593	0.040248	-0.074474	0.23542	-0.024677	-0.109347	-0.125856	0.028727	0.04474	0.032308
70	-0.068784	0.135583	0.017064	0.049349	0.11376	0.011421	0.022535	0.058632	-0.026574	0.020027	-0.022631	-0.018111	0.076315	-0.060882
71	0.027884	-0.110368	-0.054527	-0.188301	0.093742	-0.042871	0.020852	-0.008606	-0.011939	0.128712	0.137547	-0.080019	-0.036678	-0.020297
72	-0.000597	-0.128018	-0.073973	-0.021348	-0.085416	0.017513	-0.148311	-0.040134	-0.017517	-0.004327	-0.136203	0.042631	-0.037251	0.119218
73	-0.28543	0.234732	0.016767	0.202788	-0.009053	0.248758	0.244845	0.11574	-0.080446	0.091785	0.063769	-0.002155	0.008149	0.093028
74	0.002496	-0.055203	0.1556	-0.117982	0.127237	0.050261	-0.087619	0.069505	0.014001	-0.050436	0.112091	0.018628	0.011249	-0.156623
75	0.258054	-0.106301	-0.092869	0.077281	0.191561	-0.165992	-0.040806	-0.076386	0.098655	0.099507	0.005405	0.077476	0.006032	0.070925
76	0.082134	-0.240008	-0.239836	0.058914	-0.002357	0.058069	-0.101727	-0.099682	0.080436	0.091039	0.058753	-0.014711	0.016799	0.088679
77	-0.098179	0.030343	0.215876	0.003294	-0.051291	-0.132654	0.159422	0.090905	-0.025659	-0.112768	-0.05809	-0.046573	0.058947	-0.054118
78	-0.015963	-0.134758	-0.028244	0.030816	-0.051512	-0.039968	0.162611	-0.153239	0.004834	-0.013684	-0.057212	-0.017421	0.004599	-0.08378
79	0.042935	0.141251	0.003096	0.034854	-0.107489	-0.173742	-0.116433	-0.114157	0.027603	-0.069585	0.012373	-0.052725	0.094796	0.09483
80	0.025811	0.194848	0.108105	-0.257622	-0.082101	-0.179517	0.245212	0.026556	0.096966	0.073779	0.044403	0.10979	-0.071339	-0.047116
81	0.103095	-0.037568	-0.007884	-0.104507	0.003121	0.0411	-0.092834	0.057781	-0.121906	0.072028	-0.021297	-0.058822	-0.061481	-0.087487
82	0.042875	-0.028912	-0.039352	0.236924	-0.04562	0.097178	-0.170057	-0.043449	-0.109872	-0.125528	0.027699	-0.034969	0.050303	0.015527

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
1	-0.0301	-0.064087	0.046513	0.042885	0.002603	-0.064058	0.213955	0.050605	0.151954	-0.086492	-0.100442	0.095072	0.12313	0.302718
2	-0.126943	-0.048296	0.093313	-0.019678	0.014889	0.086548	0.037405	0.079315	0.090615	0.140551	-0.056754	-0.001965	0.043317	-0.064155
3	-0.051832	-0.111605	-0.009719	-0.125017	-0.116678	-0.063668	0.006286	0.039191	-0.114594	0.00492	-0.055809	-0.147494	-0.157786	-0.14231
4	0.026013	-0.033601	-0.081497	-0.051515	0.023845	-0.096217	0.108516	-0.204954	0.184808	0.036628	0.011365	0.081398	0.066334	0.047727
5	0.188819	0.111531	0.247332	0.171567	0.085668	0.156461	-0.129019	0.129167	0.071451	0.274562	0.154187	-0.087833	0.074183	-0.015528
6	-0.188646	-0.086152	-0.15372	-0.004045	-0.098893	-0.189187	0.05722	-0.231873	-0.035467	-0.12576	-0.036892	-0.134382	0.026084	0.063163
7	0.185013	0.112013	-0.014793	-0.047133	0.022995	-0.053698	-0.128117	-0.075347	-0.031055	-0.088223	0.092974	0.035191	-0.060958	-0.058623
8	-0.084397	-0.047382	-0.151947	-0.122062	-0.019132	-0.170444	-0.028469	0.040957	-0.063883	0.150214	0.056694	0.074658	0.087567	-0.206117
9	-0.039148	0.056267	-0.113643	0.005662	0.117842	0.034451	0.070919	0.050652	-0.053633	0.025927	0.056988	-0.02884	0.039378	-0.035931
10	0.059503	0.025439	-0.121314	0.031684	0.126574	0.037005	0.101602	0.152002	-0.047724	0.025697	0.010938	0.118601	-0.094463	0.09536
11	0.1261	0.046692	0.046833	0.02414	-0.028553	-0.039213	-0.003358	0.032736	-0.004242	-0.068919	0.024362	-0.017709	-0.107643	-0.054612
12	-0.03921	-0.071223	0.191598	-0.022952	-0.090724	0.121757	-0.100147	0.234134	-0.077388	-0.16539	-0.143993	0.098419	-0.022902	0.022536
13	-0.065794	-0.104682	-0.051995	0.267166	0.178757	0.173624	-0.139674	-0.238264	-0.098989	-0.13998	-0.235389	-0.214748	-0.004608	-0.219025
14	0.106984	-0.014008	0.016184	-0.020267	-0.127563	0.017606	0.091477	0.150387	0.169784	-0.03365	0.194288	-0.153631	0.230005	-0.101196
15	-0.119175	0.13951	-0.052898	-0.141009	0.105886	0.085005	-0.113626	0.004096	-0.143707	-0.060779	-0.121196	0.098808	0.011011	0.12163
16	0.100876	-0.048448	0.133131	-0.209949	-0.217287	-0.246073	0.057581	0.048362	-0.010829	0.299574	-0.032354	0.111566	-0.032101	-0.104592
17	-0.028101	0.039355	-0.027312	0.044921	-0.042008	-0.000239	-0.008206	0.102459	0.068418	-0.058286	0.133505	-0.015759	-0.002808	-0.049287
18	-0.036837	-0.034229	-0.081877	-0.112114	0.022582	-0.019788	0.105058	-0.012616	0.008608	0.113502	-0.010589	0.016902	0.041791	0.025952
19	-0.006694	-0.09158	-0.003784	-0.061385	0.034279	0.00622	-0.057719	-0.080059	-0.083995	0.107749	-0.094626	0.046975	0.130012	-0.057976
20	-0.002629	-0.063643	0.0362	-0.026426	-0.138608	-0.045184	-0.109488	0.025052	-0.072963	-0.226623	-0.01022	0.134586	-0.109798	0.121426
21	-0.059896	-0.002532	-0.057365	0.158139	0.059746	0.187513	0.064186	-0.026403	0.044078	0.070801	0.104786	-0.000072	-0.059275	0.07383
22	0.098711	0.154629	0.118671	0.089342	0.035509	0.02351	0.016721	0.002949	0.112914	-0.12241	0.039139	-0.087084	0.044463	0.168391
23	0.011294	0.076263	-0.003517	0.047709	0.216639	0.061659	-0.007212	0.052171	-0.092632	0.115421	0.09799	-0.101997	0.028419	-0.010172
24	-0.021957	-0.007218	-0.036252	-0.011598	-0.088994	-0.095879	-0.036732	-0.013241	-0.061112	-0.133792	-0.137744	0.01238	0.037706	-0.025308
25	-0.057688	-0.095848	-0.066178	-0.03335	0.036452	0.026968	-0.029916	-0.064002	0.039842	0.105803	0.071505	0.054493	-0.091626	-0.077463
26	-0.084392	-0.115681	0.065735	0.034174	-0.104675	0.097199	0.013319	0.039273	0.081927	-0.110986	0.060808	0.012628	0.037034	-0.036966
27	0.216592	0.128057	0.102344	0.001268	-0.106829	-0.088487	-0.02503	0.137586	-0.103951	0.07551	-0.16514	0.01559	0.005743	0.048071
28	0.13167	-0.131755	0.07997	0.007947	-0.041668	0.026972	0.002601	-0.142938	-0.005061	-0.0336	0.02506	-0.056007	-0.175582	-0.07342
29	0.076035	0.075957	0.085363	0.161154	0.082215	-0.024185	-0.019201	0.052854	0.020664	-0.05589	-0.064491	0.276106	0.05499	-0.016577
30	-0.167188	0.122778	-0.020549	-0.076987	0.003002	-0.107876	0.054804	-0.238844	-0.031478	0.111618	0.165983	0.081233	0.05051	-0.229513
31	-0.032551	-0.024758	-0.07736	0.067496	-0.033177	-0.038912	0.12093	0.181959	-0.003769	0.011127	0.053368	-0.192348	-0.174566	0.244301
32	-0.141007	0.019566	0.027089	0.017732	-0.068448	-0.032012	-0.025329	0.005897	-0.004587	-0.004192	0.034472	-0.02759	-0.180253	0.043203
33	0.077386	0.04176	0.250224	0.086357	0.071489	0.062448	0.013646	-0.123556	-0.188203	-0.01641	-0.044291	-0.195774	-0.100724	-0.181008
34	0.03448	-0.050451	-0.007458	0.034621	0.034395	-0.000158	-0.075432	-0.121808	-0.068738	-0.068473	-0.010359	0.100092	0.015039	-0.014902
35	0.049769	0.016062	0.058327	-0.075645	-0.038154	-0.044571	0.080329	0.078147	-0.051464	0.009677	-0.071035	0.01665	0.041686	0.000958
36	0.035828	-0.040919	-0.019077	-0.057531	-0.082287	0.111703	0.052132	0.031547	-0.000775	-0.077198	-0.042274	0.078489	0.071207	-0.031073
37	-0.076047	0.062099	0.107995	0.066627	0.100853	-0.279959	0.019078	0.0706	0.080761	0.128047	-0.011439	0.032331	-0.1006	-0.015625
38	-0.101711	-0.042525	-0.083122	0.079766	0.002419	0.174512	0.003391	0.082895	0.054241	0.043479	-0.048669	0.04401	0.060167	-0.0352
39	-0.084358	0.104511	0.004374	-0.169477	0.061397	0.034514	0.007862	0.122688	0.009337	0.181661	-0.160617	-0.118562	-0.247838	-0.032534
40	0.086918	-0.043719	0.207611	0.145268	0.080846	-0.139283	0.108146	0.024901	-0.236996	-0.113321	-0.054387	0.151473	-0.131906	-0.040243
41	-0.04126	-0.022738	-0.004338	-0.038149	-0.050207	-0.067809	-0.069803	0.097732	0.037478	-0.044436	0.116936	-0.055549	-0.028937	-0.031255

	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC
42	0.272634	-0.007821	0.037238	-0.126004	0.033286	0.064288	-0.118337	-0.13381	0.21386	0.072589	-0.006967	0.149185	-0.25041	0.050706
43	0.022187	0.011886	-0.1337	-0.035038	-0.045367	-0.034527	0.030632	-0.083527	-0.180087	-0.0841	-0.036456	-0.082577	0.119928	0.119408
44	0.092552	-0.03225	-0.039327	0.036061	-0.047311	0.102306	0.098501	-0.14313	-0.108382	-0.005624	-0.005141	0.092644	-0.037178	-0.062135
45	0.101843	-0.179721	0.030892	-0.006797	0.04043	0.079319	0.270458	-0.070909	-0.072382	0.120896	0.060416	0.009115	-0.235541	0.120797
46	0.051021	0.028215	0.083936	0.060256	0.023288	-0.034762	0.087607	0.034032	0.002245	-0.007138	-0.007647	0.115842	0.010027	-0.140968
47	0.064898	-0.065959	-0.001818	0.099934	-0.10352	0.036286	0.12458	0.124148	0.063696	-0.009786	0.082912	-0.035125	-0.238412	0.018988
48	0.262866	-0.050997	-0.014826	-0.094391	0.056779	0.032379	0.213628	-0.052737	-0.06914	-0.029008	-0.081692	0.025746	0.094094	-0.104209
49	-0.054382	-0.05698	0.000824	0.031877	-0.067801	0.022261	-0.027627	0.064019	-0.108888	-0.014573	0.003182	-0.064669	0.041785	-0.057237
50	-0.247128	0.057796	0.093915	0.212306	0.075625	0.0363	0.175094	0.128747	0.016309	-0.024158	0.281527	0.153216	-0.029464	-0.198302
51	-0.008961	0.129965	0.016238	-0.073832	-0.033568	-0.057293	0.150746	-0.166342	-0.178174	0.053826	-0.075863	-0.130827	0.057025	0.002536
52	0.152053	0.129259	0.148794	0.051065	0.077288	-0.084289	-0.08123	-0.150969	-0.020993	-0.157566	-0.139542	0.216023	-0.041167	-0.137582
53	-0.068589	-0.134807	-0.02093	0.01438	-0.066455	-0.273612	-0.188772	0.238082	-0.145235	-0.083688	0.084438	-0.308905	-0.097999	-0.17523
54	-0.038361	-0.01437	-0.004507	0.027218	-0.171777	0.22024	0.194192	-0.047309	0.020433	-0.042695	-0.024485	-0.02642	-0.241204	-0.047342
55	0.052083	-0.119955	0.018511	0.149484	0.239148	-0.08164	-0.090687	0.190998	-0.146047	0.055618	0.021067	0.042254	0.121591	-0.012866
56	0.059451	-0.300179	-0.116001	-0.087019	0.118136	0.133307	-0.300683	0.098241	0.156471	-0.065128	-0.080932	-0.008601	-0.020936	0.053186
57	0.179429	-0.000685	-0.158709	0.236679	0.061006	-0.241417	0.024633	0.067793	0.214776	-0.009206	-0.010361	-0.112605	-0.120034	-0.030272
58	-0.193329	0.028678	0.354205	-0.023854	-0.044179	-0.08332	-0.107253	-0.291834	0.067104	-0.037246	0.294263	-0.04935	-0.067699	0.166898
59	0.051463	0.085054	-0.087562	0.091606	0.092781	-0.14151	0.276448	0.03946	-0.08689	-0.112585	-0.06885	-0.136494	-0.031205	0.070668
60	-0.030393	-0.032308	0.151837	-0.063443	-0.033657	0.125764	0.068179	-0.092687	0.068568	0.134481	0.036637	0.063998	0.044657	-0.05803
61	0.100244	-0.062345	-0.028791	-0.040165	0.046012	-0.173668	-0.067785	0.10715	0.092964	-0.000061	-0.087792	0.08929	0.061603	0.117815
62	0.154609	-0.214925	-0.11515	0.076247	0.122641	0.00691	0.16321	0.006344	-0.019984	0.032234	-0.004125	-0.019227	-0.165194	-0.096234
63	-0.060453	0.060452	0.069072	-0.054479	0.10039	0.053696	0.012488	-0.008654	-0.004637	0.03544	-0.000252	-0.001099	-0.063769	-0.084829
64	0.070957	-0.030791	-0.030786	-0.042646	-0.124351	-0.116431	0.030898	0.052129	-0.058514	0.022506	-0.087372	0.13005	-0.080213	-0.026
65	0.063283	0.139044	-0.121503	0.057082	-0.016425	-0.13683	0.063223	0.02743	-0.148748	-0.155804	0.106777	0.072958	0.166293	0.008861
66	0.0594	-0.075202	0.024946	0.004075	-0.033021	-0.055576	0.019144	-0.009176	0.004428	0.099877	-0.046439	-0.082802	-0.079232	-0.149321
67	0.210365	-0.064524	-0.09353	-0.045602	-0.138989	0.077181	-0.04288	-0.101451	-0.059722	-0.065768	0.227012	-0.021329	0.048532	-0.010094
68	0.01065	0.581519	-0.087234	-0.032115	-0.075717	0.023392	-0.117614	0.050463	0.010397	-0.006231	-0.022121	-0.089728	-0.120985	-0.013831
69	-0.100848	-0.226817	0.391052	-0.119038	-0.052758	-0.056304	0.110402	0.064148	-0.052674	-0.099796	0.021694	-0.114101	0.152908	0.127035
70	-0.128872	-0.103914	-0.139751	0.487103	-0.221865	-0.119513	-0.048836	-0.124914	0.052888	0.093226	-0.03648	0.198208	-0.032455	0.004259
71	-0.115984	-0.118651	0.029103	-0.21276	0.577646	-0.124811	-0.032353	-0.012565	0.009209	-0.040587	0.037104	0.01627	-0.069143	0.030827
72	0.035646	0.054523	-0.074107	-0.172054	-0.085782	0.259565	0.082362	0.065582	-0.115804	-0.052818	-0.044646	-0.074218	-0.072435	-0.036123
73	-0.041269	0.038379	0.061813	-0.047126	0.097938	-0.000222	0.359902	-0.009211	0.049247	-0.067397	-0.074343	0.027611	0.042415	-0.043162
74	-0.150989	0.05409	-0.137147	-0.075293	-0.021169	0.122103	0.089002	0.212777	-0.052542	0.018554	0.038674	0.20569	0.063721	-0.139997
75	-0.030315	0.071678	-0.032058	-0.073393	0.020188	-0.133959	0.023928	-0.067894	0.50093	-0.089794	-0.198531	-0.137232	-0.040265	-0.172869
76	0.040157	-0.03849	-0.030869	0.201259	-0.063237	-0.008846	-0.092137	-0.053235	-0.173384	0.424661	-0.105433	-0.07488	0.110297	0.107919
77	0.207852	-0.040169	-0.145131	-0.114307	0.063794	-0.064625	-0.052645	-0.024656	-0.117893	-0.128702	0.489869	0.063701	-0.069619	-0.003169
78	-0.130445	-0.065345	0.032334	-0.038636	-0.122864	0.006253	-0.161876	0.052503	-0.064015	0.014302	-0.013181	0.259328	-0.213693	-0.015003
79	0.183144	-0.084778	0.149956	0.025583	-0.067208	-0.031563	-0.012151	-0.018074	0.044371	0.060334	-0.005074	-0.121575	0.255617	-0.06494
80	-0.038296	0.064012	-0.001709	0.029778	0.031256	-0.035538	-0.059877	-0.100494	-0.131081	0.162458	0.018041	-0.058369	-0.098003	0.403413
81	0.076677	0.020444	0.018038	0.065224	-0.041881	0.149125	-0.039554	0.026782	0.074042	-0.134099	0.018119	-0.088589	0.085485	-0.017017
82	-0.093559	0.097953	0.181337	0.087438	0.040959	-0.070259	0.040636	0.087236	-0.01053	-0.145378	-0.057879	-0.005043	-0.098016	-0.075981

	CD	CE
1	0.083708	0.142626
2	-0.017583	-0.207122
3	-0.181503	-0.12673
4	0.040818	-0.026786
5	-0.00347	0.069232
6	-0.011058	0.029101
7	0.016912	0.04377
8	0.146608	0.245499
9	0.060962	0.031396
10	-0.115468	0.069346
11	-0.05755	0.029302
12	0.021956	-0.080301
13	-0.039144	-0.034224
14	-0.202003	0.177526
15	0.120692	-0.127241
16	0.250325	-0.16018
17	0.102901	-0.0903
18	-0.026659	-0.030096
19	0.037144	-0.056543
20	-0.03335	0.0052411
21	0.0334	0.053125
22	-0.074241	-0.21733
23	-0.000602	0.029246
24	0.038931	0.030886
25	0.01843	-0.091278
26	0.074776	-0.107229
27	-0.093745	0.128248
28	0.019897	-0.008567
29	0.03768	-0.058666
30	0.075116	0.087032
31	0.094039	0.026997
32	-0.009419	0.059058
33	0.059145	0.050795
34	0.063071	-0.102237
35	-0.022051	0.076868
36	-0.065976	0.046693
37	0.016167	-0.134222
38	0.19158	0.054695
39	0.053927	0.018346
40	0.179728	0.060554
41	-0.102917	-0.150043

	CD	CE
42	-0.007969	0.01273
43	0.227346	0.275514
44	-0.214546	-0.158495
45	0.140768	0.237806
46	-0.034772	-0.147473
47	0.137599	0.046968
48	-0.046488	0.107663
49	-0.031923	-0.035388
50	-0.081367	-0.125855
51	-0.08093	-0.111105
52	0.093482	0.059614
53	0.135184	-0.000518
54	0.00593	0.126498
55	0.03439	0.02193
56	-0.032196	0.072652
57	0.022049	-0.053093
58	0.125283	-0.006482
59	-0.015566	-0.209064
60	0.068107	-0.014737
61	0.082768	-0.136091
62	0.042419	-0.083476
63	0.035902	0.047562
64	-0.001707	-0.125139
65	-0.041479	-0.049891
66	-0.040397	0.017155
67	-0.007249	-0.018609
68	0.071688	0.110809
69	-0.045982	0.053202
70	0.02362	0.045644
71	0.00379	0.046129
72	0.090078	-0.266733
73	-0.017662	-0.096802
74	0.063889	0.09312
75	-0.032041	0.025343
76	-0.052414	-0.063418
77	-0.043104	-0.074299
78	-0.210189	0.077342
79	-0.02633	0.053853
80	-0.102218	-0.086403
81	0.566182	-0.148837
82	-0.167363	0.285627

Appendix B7

PCA Transformation Matrix (77 x 77; Normal/Diseased)

	A	B	C	D	E	F	G	H	I	J	K	L
1	494.4/184.1>GPCho:Lyso 16:1	0.002997	0.062696	0.031314	-0.081471	-0.324152	0.13776	-0.158994	0.138371	-0.070351	-0.061116	-0.085673
2	496.4/184.1>GPCho:Lyso 16:0	-0.095838	0.031641	0.04649	-0.020923	-0.193528	-0.041146	-0.34561	-0.03968	-0.066205	0.173704	0.297156
3	520.4/184.1>GPCho:Lyso 18:2	-0.00842	-0.057422	0.27412	-0.069902	-0.044983	0.099001	-0.163597	0.046346	-0.029071	0.012535	0.106476
4	522.4/184.1>GPCho:Lyso 18:1	-0.083418	-0.021083	0.111513	-0.072058	-0.258684	0.206289	-0.247697	0.04681	-0.011944	-0.004995	0.066908
5	524.4/184.1>GPCho:Lyso 18:0	-0.063104	0.051141	0.163883	-0.029857	-0.230045	-0.097753	-0.234266	0.042785	0.042606	-0.012397	0.18003
6	544.4/184.1>GPCho:Lyso 20:4	0.040093	-0.201638	0.040811	0.027115	-0.133974	-0.063623	-0.044753	0.126926	-0.041815	-0.083017	0.172645
7	568.4/184.1>GPCho:Lyso 22:6	0.041973	-0.188431	0.064084	0.087102	-0.161888	-0.00798	-0.081168	-0.061841	-0.122746	0.206642	-0.066783
8	570.4/184.1>GPCho:Lyso 22:5	0.062674	-0.171277	0.08064	0.056566	-0.220534	0.005224	-0.078285	-0.01968	-0.07499	0.13535	-0.041574
9	678.5/184.1>GPCho:28:0	-0.037045	0.143161	0.109468	-0.018445	-0.136571	0.008469	0.198421	-0.114042	-0.312015	-0.097274	0.185557
10	678.5/184.1>GPCho:28:0a	-0.036756	0.136073	0.118652	-0.022191	-0.137837	0.015113	0.199294	-0.106887	-0.319057	-0.097882	0.197061
11	704.6/184.1>GPCho:30:1a	-0.180737	-0.111254	0.012585	0.066393	0.060165	0.074609	0.011603	-0.074838	0.013997	-0.041546	0.042369
12	706.6/184.1>GPCho:30:0a	-0.120117	-0.035636	0.069689	0.053756	-0.102523	0.110527	0.270962	-0.1708	-0.206421	-0.226944	0.097284
13	718.6/184.1>GPCho:32:0p, 32:1e	-0.120864	0.059793	0.07405	0.213661	-0.035254	0.091308	0.116132	0.013673	-0.110223	0.095648	-0.046495
14	730.8/184.1>GPCho:32:2	-0.129443	-0.034558	0.026916	0.035016	-0.040837	-0.059641	0.113726	0.360132	-0.182605	0.18178	-0.176013
15	732.6/184.1>GPCho:32:1a	-0.100711	0.044821	-0.178274	-0.079355	-0.184906	0.087854	0.082083	0.119517	-0.11743	-0.048817	-0.228422
16	734.6/184.1>GPCho:32:0a	-0.094581	0.032495	-0.210572	0.033347	-0.005098	0.185628	0.114539	-0.094485	0.065304	-0.037364	0.122631
17	742.6/184.1>GPCho:34:2p, 34:3e	-0.036163	0.139545	0.153488	0.147029	-0.062841	0.037043	0.020427	-0.008005	0.003619	0.133382	-0.023145
18	744.6/184.1>GPCho:34:1p, 34:2e	0.101182	0.038707	0.226609	0.092617	0.035284	0.153939	0.0613	0.04082	0.056147	-0.042104	-0.091173
19	746.6/184.1>GPCho:34:0p, 34:1e	-0.016847	0.087263	-0.024537	0.20312	0.017291	0.355235	-0.048829	0.068653	0.107279	-0.157211	-0.082645
20	748.6/184.1>GPCho:34:0e	-0.059931	0.119976	-0.038283	0.235587	0.012251	0.199006	0.063089	0.081478	0.039969	-0.129581	0.005402
21	756.6/184.1>GPCho:34:3a	-0.068489	0.221988	0.015664	-0.02934	0.031683	-0.003837	-0.083045	0.050725	0.109629	0.08651	0.002884
22	758.7/184.1>GPCho:34:2a	0.116699	0.083218	-0.001491	-0.094664	0.257285	0.060971	-0.049256	-0.0873	-0.090882	0.13558	-0.026772
23	760.6/184.1>GPCho:34:1a	0.028388	0.117941	-0.235796	-0.062285	-0.069932	0.188476	-0.022394	-0.053221	-0.01763	0.036263	-0.08533
24	762.6/184.1>GPCho:34:0a	0.006341	0.114376	-0.217941	-0.063236	-0.147441	0.195307	0.072824	-0.032149	0.042156	0.033431	-0.03956
25	768.6/184.1>GPCho:36:3p, 36:4e	0.136762	-0.122702	0.020886	0.170364	-0.029824	0.051482	-0.05778	-0.01762	0.073588	-0.120012	-0.023903
26	770.6/184.1>GPCho:36:2p, 36:3e	0.129471	0.005206	0.157352	0.156723	-0.009043	0.121822	-0.072327	0.045398	0.161527	-0.13246	-0.136683
27	772.6/184.1>GPCho:36:1p, 36:2e	0.036059	0.178125	0.130644	0.136215	0.088557	0.085218	0.048693	0.150019	0.035189	0.014343	0.001549
28	774.6/184.1>GPCho:36:0p, 36:1e	0.013038	0.166671	0.034679	0.21509	-0.047889	0.013726	0.117112	0.129756	-0.140718	-0.028867	0.021913
29	782.6/184.1>GPCho:36:4a	0.145866	-0.098689	-0.126996	0.012873	0.018777	-0.107648	0.159536	0.133601	-0.021278	-0.095796	0.174661
30	784.6/184.1>GPCho:36:3a	0.181463	0.040174	0.010018	-0.06241	-0.058203	-0.085305	0.05297	0.161267	0.067344	-0.149849	0.049181
31	786.6/184.1>GPCho:36:2a	0.14646	0.094954	0.157272	-0.08636	0.041082	0.003064	0.019568	0.022484	0.052795	-0.033827	-0.059492
32	788.6/184.1>GPCho:36:1a	-0.00306	0.222951	0.048493	-0.081148	-0.120141	-0.036049	-0.02153	-0.037465	0.078785	-0.055093	-0.124722
33	790.8/184.1>GPCho:36:0	-0.035983	0.219095	0.009951	0.003007	-0.174331	-0.040205	-0.00261	-0.054988	0.084109	-0.008284	-0.139538
34	792.6/184.1>GPCho:38:5p, 38:6e	0.103886	-0.079288	0.037331	0.226368	-0.10732	0.050236	-0.066169	-0.169695	-0.027935	0.186632	-0.122383
35	794.6/184.1>GPCho:38:4p, 38:5e	0.129732	-0.132652	-0.019043	0.187348	-0.009605	0.082581	-0.089705	-0.010281	0.083319	-0.061022	-0.066134
36	796.6/184.1>GPCho:38:3p, 38:4e	0.128105	-0.096772	-0.03583	0.234021	0.000518	0.038086	-0.049207	0.063263	0.069396	-0.144802	0.034974
37	798.6/184.1>GPCho:38:2p, 38:3e	0.065089	0.139786	-0.067589	0.240476	0.012003	-0.055045	0.003077	0.07618	0.081406	-0.056928	0.162999
38	800.6/184.1>GPCho:38:1p, 38:2e	-0.089612	0.120096	0.103254	0.222456	0.023295	-0.032343	0.014921	0.103969	-0.074711	0.045177	0.043331
39	808.6/184.1>GPCho:38:5a	0.169407	-0.087533	-0.058968	0.080232	-0.118999	-0.094255	0.102398	0.03249	-0.051098	0.089004	-0.010935
40	810.6/184.1>GPCho:38:4a	0.15594	-0.080509	-0.102777	0.041248	-0.053805	-0.179858	0.120119	0.155229	0.049343	-0.128654	0.095423
41	812.6/184.1>GPCho:38:3a	0.076589	0.020029	-0.106138	0.021824	-0.163116	-0.299636	0.033391	0.192301	0.152653	-0.216611	0.03454

	A	B	C	D	E	F	G	H	I	J	K	L
42	814.6/184.1>GPCho:38:2a	-0.195508	-0.028575	-0.060501	0.0804	0.011238	-0.058589	-0.044768	-0.076488	0.10981	-0.057027	-0.05092
43	816.6/184.1>GPCho:38:1a	-0.152128	0.105354	0.08871	0.047315	0.000257	-0.189652	-0.040461	-0.197838	0.056765	-0.047486	-0.075354
44	820.6/184.1>GPCho:40:5p, 40:6e	0.13197	-0.092727	0.003204	0.236475	-0.055956	0.027837	-0.006316	-0.073869	-0.072385	0.170263	-0.116531
45	822.6/184.1>GPCho:40:4p, 40:5e	0.0806	0.061819	-0.094531	0.270683	0.010598	-0.020105	0.009047	-0.113742	0.041213	0.183053	0.073677
46	824.6/184.1>GPCho:40:3p, 40:4e	0.054317	0.114739	-0.118297	0.256367	0.022371	-0.033583	-0.035119	-0.111437	0.105331	0.041674	0.13078
47	826.6/184.1>GPCho:40:2p, 40:3e	-0.087932	0.208618	-0.063167	0.072144	0.055837	-0.048698	-0.04528	-0.018677	0.059374	0.09701	0.153208
48	828.6/184.1>GPCho:40:1p, 40:2e	-0.109685	0.176255	-0.048338	0.088194	0.054381	-0.014243	-0.034659	-0.001223	-0.014597	0.090536	0.200634
49	834.6/184.1>GPCho:40:6a	0.139604	-0.096133	-0.050788	0.097906	-0.158047	-0.074232	0.076052	-0.093021	-0.098364	0.205297	-0.153554
50	836.6/184.1>GPCho:40:5a	0.108569	0.049588	-0.113144	0.090113	-0.177125	-0.214905	0.096644	-0.158985	-0.012372	0.211503	-0.02576
51	838.6/184.1>GPCho:40:4a	0.056794	0.157178	-0.124397	0.041729	-0.136225	-0.229792	0.052727	-0.072712	0.089691	0.027653	0.092443
52	701.5/184.1>SM:18/16:1	-0.159042	-0.098924	0.057102	0.038081	0.027287	0.024855	-0.021582	0.13889	-0.018034	0.055746	0.111753
53	703.5/184.1>SM:18/16:0	-0.179131	-0.116573	0.022002	0.041161	0.065669	0.066468	-0.008124	-0.056291	-0.019199	-0.03834	0.10527
54	703.8/184.4>SM:d18:1/16:0	-0.178436	-0.119843	0.009231	0.078323	0.064877	0.050941	-0.020509	-0.061581	0.012717	-0.042136	0.038167
55	705.8/184.4>SM: d18:0 / 16:0	-0.178883	-0.119779	0.013625	0.059454	0.03845	0.036218	0.068078	-0.107497	-0.002223	-0.099796	0.050084
56	727.6/184.1>SM:18/18:2	-0.127641	0.022582	0.050795	0.080883	0.104272	-0.112322	0.007457	0.344597	-0.004749	0.110959	-0.071665
57	729.6/184.1>SM:18/18:1	-0.166843	-0.074505	-0.065282	0.037941	0.037293	-0.054213	-0.011948	0.261584	-0.048819	0.181952	-0.099831
58	731.6/184.1>SM:18/18:0	-0.183093	-0.070894	-0.091922	0.003494	0.036236	-0.057144	0.055127	0.082401	-0.057928	0.05902	-0.081888
59	731.8/184.4>SM: d18:1 / 18:0	-0.181692	-0.073515	-0.09641	0.011889	0.035258	-0.057485	0.053259	0.078658	-0.046295	0.050674	-0.095324
60	733.8/184.4>SM: d18:0 / 18:0	-0.131457	0.00301	-0.176557	-0.066721	-0.120917	-0.010075	0.111736	0.022012	-0.109375	-0.072075	-0.182617
61	757.6/184.1>SM:18/20:1	-0.114012	0.177925	0.038616	0.002896	0.045976	-0.011007	-0.090465	0.172941	0.093143	0.135251	-0.060543
62	759.6/184.1>SM:18/20:0	0.131855	0.074311	0.072475	-0.110163	0.219508	0.049925	0.092262	-0.072463	-0.050569	0.183103	-0.006097
63	759.8/184.4>SM: d18:1 / 20:0	0.126957	0.064807	0.094733	-0.118335	0.206278	0.066875	0.130346	-0.062415	-0.051074	0.167868	-0.012978
64	761.8/184.4>SM: d18:0 / 20:0	0.012964	0.109404	-0.209288	-0.061762	-0.147822	0.199136	0.050981	-0.036994	0.021937	0.054647	-0.069933
65	773.6/184.1>SM:18/21:0	-0.007573	0.07187	0.206657	0.159249	-0.003647	-0.0549	0.172997	0.126855	-0.1832	-0.013971	0.022026
66	787.6/184.1>SM:18/22:0	0.076677	0.07288	0.24742	-0.054344	0.000912	-0.073709	0.100305	-0.03611	0.042878	-0.064231	-0.141159
67	787.9/184.4>SM: d18:1 / 22:0	0.038658	0.048502	0.269046	-0.030946	-0.022224	-0.11414	0.083074	-0.030195	0.074653	-0.1188	-0.186335
68	789.9/184.4>SM: d18:0 / 22:0	-0.019792	0.204975	0.0222	-0.054958	-0.175401	-0.032203	-0.010972	-0.024829	0.083502	-0.088789	-0.184714
69	813.6/184.1>SM:18/24:1	-0.187263	-0.082368	-0.061001	0.084163	0.014931	-0.049727	-0.011681	-0.044078	0.084227	-0.055149	-0.081259
70	813.9/184.4>SM: d18:1 / 24:1	-0.186049	-0.084646	-0.050473	0.087349	0.018781	-0.03418	-0.000585	-0.048248	0.090024	-0.061588	-0.0788
71	815.6/184.1>SM:18/24:0	-0.148513	-0.074385	0.083848	0.099668	-0.0159	-0.161482	0.013419	-0.173782	0.062269	-0.101708	-0.149634
72	815.9/184.4>SM: d18:0 / 24:1	-0.143422	-0.093755	0.098358	0.06572	0.021117	-0.156856	-0.007498	-0.180279	-0.019396	-0.122409	-0.125164
73	817.9/184.4>SM: d18:0 / 24:0	-0.082118	0.141564	0.037997	0.066682	0.065503	-0.206238	-0.170604	-0.172242	-0.102278	-0.069728	-0.220059
74	841.9/184.4>SM: d18:1 / 26:1	-0.117381	0.182032	-0.063404	0.01743	0.05043	-0.159344	-0.062602	-0.018665	0.032946	0.024895	0.093868
75	843.9/184.4>SM: d18:0 / 26:1	0.100143	0.074655	-0.113444	0.05621	0.157212	-0.064088	-0.267292	0.010415	-0.333708	-0.171263	-0.071445
76	843.9/184.4>SM: d18:1 / 26:0	0.100192	0.076221	-0.112709	0.056806	0.153285	-0.067211	-0.26613	0.009123	-0.332215	-0.171594	-0.082982
77	845.9/184.4>SM: d18:0 / 26:0	0.097588	0.063344	-0.155572	0.077479	0.098929	-0.013059	-0.26236	0.0293	-0.322393	-0.177397	-0.092343

	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	0.174133	-0.075013	0.217843	-0.042338	0.080777	0.219996	-0.038581	0.092594	-0.123408	-0.198549	0.092144	-0.005901	0.167299	-0.249779
2	-0.020788	-0.082094	0.136447	0.01101	0.091444	-0.036678	0.295102	0.050845	-0.264725	0.071983	0.088998	-0.059145	-0.050408	-0.026345
3	-0.011583	0.06096	-0.029837	0.130563	0.099969	-0.001006	-0.159723	-0.018445	-0.072965	0.068491	0.092387	-0.022843	0.087385	0.196291
4	0.065095	0.007877	-0.077537	0.124323	0.042108	0.066838	0.024277	-0.115988	0.034031	0.142762	-0.076206	0.050152	0.054149	0.079036
5	-0.164281	0.166079	0.009355	-0.14383	-0.008987	-0.059902	0.299494	0.031316	-0.081512	0.046215	0.086605	0.011025	-0.076734	-0.036793
6	-0.024817	0.106167	0.009327	0.322834	-0.160977	-0.034529	-0.216401	0.049248	0.091654	-0.123252	-0.026137	-0.173304	0.141687	0.090835
7	0.08137	0.151378	0.021451	0.072885	0.022034	-0.016696	-0.27712	0.020466	0.096323	-0.032506	-0.083713	0.021939	-0.038553	0.152146
8	0.101787	0.130983	-0.037273	0.060838	0.011574	0.053099	-0.208569	0.036493	0.010063	0.068651	-0.195173	-0.108199	-0.080396	-0.028962
9	-0.177227	-0.172573	0.014992	-0.013622	-0.048468	-0.073643	-0.140852	-0.289267	-0.051915	-0.041806	-0.078192	0.033468	-0.057865	-0.00868
10	-0.172522	-0.170091	0.018617	-0.065638	-0.029286	-0.040011	-0.11993	-0.298872	0.026482	-0.022748	-0.058495	-0.048932	0.015522	0.024839
11	-0.016351	-0.020108	-0.136532	-0.048631	-0.020566	0.103114	-0.007881	0.194317	0.083262	0.035654	-0.092481	0.060898	-0.060864	0.002627
12	-0.080524	-0.085927	0.184093	-0.132064	0.033606	0.24987	-0.005427	0.263479	-0.037189	0.134354	-0.084318	-0.038117	-0.082652	0.019447
13	0.059541	0.02586	-0.131091	-0.018364	-0.168292	-0.127153	-0.115406	0.043202	0.020085	0.242724	0.526628	-0.151456	0.31509	-0.006751
14	-0.173427	-0.295131	-0.022118	0.029059	0.124945	0.046697	0.065864	0.067036	-0.036502	0.061134	-0.026199	-0.245701	-0.265346	0.032585
15	-0.002323	-0.023239	0.190993	0.013103	0.124842	0.069091	-0.059422	0.09286	0.132281	-0.116603	0.187636	-0.022406	0.00325	-0.031773
16	-0.077125	0.181384	0.048389	-0.118035	-0.151619	0.045311	0.120445	0.23868	-0.241238	-0.215182	-0.061071	-0.107839	0.093121	0.418257
17	0.002092	-0.235852	0.056585	-0.039313	-0.172803	-0.432891	0.035913	0.32502	0.081282	0.180794	-0.160947	0.178752	0.219774	0.009851
18	-0.020935	-0.156314	-0.094679	0.021472	0.148272	-0.06583	0.082266	0.208993	0.008018	0.059948	-0.037979	-0.071781	0.06016	-0.192456
19	0.021406	0.062826	-0.106655	-0.113268	-0.028901	0.048661	-0.143223	-0.070868	-0.192059	0.083757	0.131046	-0.216598	-0.15587	-0.067112
20	0.028836	0.245438	0.004752	-0.030522	-0.14338	0.008698	-0.021702	-0.14556	-0.220039	0.200963	0.061035	0.022615	-0.182331	0.144687
21	-0.02414	-0.032348	0.260718	-0.028699	-0.170169	-0.03712	-0.179563	0.080439	0.008497	-0.09531	-0.112335	-0.095553	-0.101156	-0.01985
22	0.053676	-0.069975	0.187576	-0.190756	-0.04158	0.15125	0.184631	-0.095745	0.261753	0.129944	0.042111	-0.107087	0.045301	0.100933
23	0.123736	-0.083785	-0.081586	-0.018316	-0.021627	-0.00857	0.153685	-0.144157	0.144169	-0.019121	-0.031621	-0.02183	0.028109	0.033117
24	0.117032	-0.062993	-0.157224	0.076871	-0.029454	-0.035511	0.025158	-0.0225	-0.028642	-0.049295	-0.036607	-0.005568	0.108637	0.019316
25	-0.192124	-0.17461	0.002298	0.10746	-0.210316	-0.033453	0.078705	-0.059366	0.047956	-0.1708	0.138838	-0.008923	0.088513	-0.015073
26	-0.059041	-0.255251	0.052864	-0.035443	0.079354	0.000138	0.026263	0.000716	-0.011969	0.018597	0.034406	0.064053	-0.002292	-0.026089
27	0.04473	0.205232	0.098861	-0.010369	0.079614	-0.024596	-0.046396	0.125567	-0.014233	0.025228	-0.182806	-0.091411	-0.0106	-0.118703
28	0.20351	0.217387	-0.005584	0.117037	0.09324	-0.006146	0.215805	-0.088435	0.160011	0.014311	-0.103975	-0.006744	-0.010851	-0.000317
29	0.023224	-0.028269	0.078246	0.165042	-0.209176	-0.05052	0.066526	0.107595	-0.00851	-0.050379	-0.030386	-0.085025	0.128499	-0.082261
30	0.123409	-0.123488	0.095147	-0.06902	0.097396	0.046716	-0.202182	0.062203	-0.022602	0.179959	0.127477	0.202514	-0.029834	0.17729
31	-0.147679	0.156049	-0.058659	-0.19889	0.062002	0.106888	-0.066489	0.037313	0.196232	-0.005154	0.103143	-0.088811	-0.000205	-0.046335
32	-0.140805	0.089036	-0.145355	-0.025933	-0.000337	0.074356	-0.048651	-0.026231	0.156181	-0.092322	-0.058724	-0.098204	0.043587	0.066513
33	-0.118412	0.023703	-0.03951	0.01198	-0.075221	-0.035322	0.046466	0.00351	0.062705	-0.036557	-0.16423	-0.019808	0.035418	0.130499
34	-0.149915	-0.070238	0.107481	-0.1743	-0.146693	-0.123102	0.029242	0.007742	0.078057	-0.140078	0.066408	0.174541	0.006927	0.158241
35	-0.196972	-0.06033	0.083133	-0.000012	-0.086635	0.044661	0.006461	-0.117263	-0.05439	-0.117029	-0.020163	-0.089861	0.006838	-0.130732
36	-0.107299	-0.059362	0.115875	0.133669	-0.034311	-0.001822	0.127867	-0.190045	-0.031376	0.062677	-0.016073	0.071388	-0.150286	-0.027674
37	0.026263	-0.084658	0.079076	0.176481	0.266282	0.093928	-0.046046	0.073347	0.136859	0.021242	-0.059503	0.226296	-0.035547	0.177676
38	0.245989	-0.035228	-0.039903	-0.093381	0.006059	-0.017163	0.052846	0.067044	0.092472	-0.26401	-0.094676	0.0096	0.017799	0.034575
39	0.067199	0.043782	-0.005722	-0.058891	-0.153989	0.034138	-0.063758	0.040913	-0.03948	0.070379	-0.109745	-0.058186	-0.054213	-0.247578
40	-0.035374	0.084085	0.033502	0.02186	-0.206038	-0.021557	0.085289	0.043366	-0.022439	-0.034057	-0.013691	-0.070526	-0.020679	-0.124619
41	0.142593	-0.145596	-0.047	-0.230938	0.098591	-0.14823	-0.147095	0.01691	-0.062923	0.072417	0.12884	0.063967	-0.13216	0.300786

	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
42	0.041286	0.000276	0.049105	-0.102488	0.174008	-0.146241	-0.136264	-0.11001	-0.032479	-0.026934	-0.121617	-0.143656	0.106568	-0.022063
43	0.086192	-0.054561	0.044839	0.048533	-0.051549	0.081206	-0.039474	-0.052879	0.028489	-0.12628	0.050933	-0.217041	0.055587	0.164645
44	-0.039774	0.080126	0.086965	-0.048505	0.060575	0.057576	0.018984	-0.05427	-0.006417	0.012686	-0.015237	0.028459	-0.116251	0.020975
45	-0.137841	-0.052546	-0.007263	0.168571	0.265696	0.218448	-0.110427	0.03205	0.026653	0.009053	0.013848	-0.065746	0.189508	0.054055
46	-0.1262	-0.074104	-0.02835	0.154299	0.175616	0.127239	0.024076	0.002713	0.031764	-0.122332	0.087399	-0.100875	-0.00046	0.018916
47	-0.053295	0.0251	0.056475	0.036914	0.010082	-0.017797	-0.134489	0.04197	0.05399	-0.122503	0.089726	0.072811	0.007459	-0.113361
48	0.020502	0.162452	0.083831	-0.010734	-0.025789	-0.042551	-0.117644	-0.101842	0.152777	-0.071032	0.203331	0.328142	-0.187831	-0.24323
49	0.01351	0.12504	0.037796	-0.185667	-0.060286	0.027415	-0.033484	0.005621	-0.129235	-0.05126	0.041111	0.221278	-0.107201	0.037075
50	0.032916	0.018296	-0.213214	-0.169615	0.050301	0.069191	-0.002915	0.046896	-0.155904	0.085797	0.024617	-0.085385	0.014319	-0.121867
51	-0.006656	-0.077406	-0.220728	-0.024447	0.06758	0.096593	0.031283	0.022353	-0.078169	0.099167	-0.074576	-0.149267	0.022981	-0.155003
52	0.068652	-0.197149	-0.350777	-0.101504	-0.067291	0.137977	-0.040357	0.119335	-0.032293	-0.367465	0.127329	0.124443	-0.075985	0.042753
53	-0.026193	0.016699	-0.189985	-0.037534	-0.032576	0.075819	-0.107469	0.067905	0.10532	-0.040971	0.01814	0.127918	-0.082942	-0.140597
54	-0.021939	-0.025306	-0.10537	-0.033758	-0.000552	0.04717	0.018328	0.07202	0.014413	0.040348	-0.167384	0.115291	-0.131796	-0.035544
55	-0.0565	0.016042	-0.020461	0.005806	0.044987	0.08401	0.009174	0.17133	-0.082006	0.020244	-0.082251	0.102679	0.029413	-0.112974
56	-0.082309	0.000881	0.025713	-0.141986	-0.153152	0.415383	0.007892	-0.255002	-0.179263	0.09782	-0.216999	0.273079	0.478486	0.033743
57	-0.127971	-0.083887	-0.1938	0.061345	-0.042511	0.00401	0.064786	-0.079783	0.017082	0.014523	0.098276	-0.025826	-0.118053	0.092214
58	-0.209339	0.113717	0.028784	0.104499	0.130008	-0.144484	0.048598	-0.008123	0.042025	0.054665	0.039375	-0.020093	0.010216	0.050692
59	-0.205673	0.09835	0.056092	0.101592	0.134952	-0.154737	0.090682	-0.009721	0.022171	0.076387	-0.020368	-0.022433	-0.017045	0.072373
60	-0.114052	0.102081	0.252615	0.125241	0.092872	0.023655	0.039503	0.140736	-0.047302	-0.081934	0.197455	0.187165	0.066186	-0.100076
61	-0.009877	-0.100497	0.158202	-0.008788	-0.220213	-0.029852	-0.182312	-0.017393	-0.051376	-0.167827	-0.116785	-0.129189	-0.221359	-0.054393
62	0.063087	-0.038386	0.021165	0.143152	0.090751	-0.024478	-0.072755	-0.002105	-0.316813	-0.118062	0.057599	0.026144	-0.07517	0.030823
63	0.055242	-0.091244	0.035215	0.221712	0.011247	-0.014828	-0.068999	0.037849	-0.297821	0.02784	0.017261	0.037002	-0.042071	0.021177
64	0.096887	-0.11684	-0.172073	0.244083	-0.052383	-0.099657	0.035473	-0.103466	-0.121187	-0.003411	-0.081515	0.212037	-0.019478	-0.045403
65	0.273158	0.153062	-0.029853	0.071558	0.020293	-0.066924	0.258262	-0.033904	-0.005777	-0.158058	0.036333	-0.063879	-0.025625	0.043102
66	-0.18432	0.155421	-0.120486	-0.030131	0.111104	-0.065288	0.031092	-0.036886	-0.074753	-0.23421	0.078638	0.097933	0.019792	-0.039267
67	-0.113174	0.126154	-0.100502	0.138725	0.042238	-0.024686	0.027231	0.023341	-0.192177	-0.084337	0.006091	0.128408	0.040565	0.003328
68	-0.126873	0.048049	-0.154286	0.192503	-0.122446	0.076784	0.014099	0.088525	0.08655	0.090057	-0.105916	0.120668	-0.121246	-0.003157
69	0.033337	0.014367	0.055603	-0.073612	0.118718	-0.176639	-0.115008	-0.138135	-0.062398	-0.002255	-0.054331	-0.023756	0.078093	-0.085548
70	0.057286	0.002008	0.078529	-0.037809	0.090115	-0.18102	-0.111758	-0.102599	-0.106582	0.052401	-0.11647	-0.002736	0.102427	-0.129769
71	0.236493	-0.111997	0.107914	0.005373	0.087411	-0.026068	0.136591	-0.144813	-0.152999	-0.153073	-0.02211	-0.038685	0.023073	0.029848
72	0.225762	-0.098141	0.002871	0.153552	-0.147087	0.121803	0.072165	-0.083959	0.121533	0.073303	0.150988	0.00794	-0.069081	-0.096292
73	0.064076	-0.034929	0.071416	0.225448	-0.264489	0.221452	-0.006729	0.130804	-0.062592	0.184213	0.048506	0.026271	-0.150634	0.110158
74	-0.097361	0.029236	-0.01782	0.046932	-0.09166	0.003812	-0.080761	0.0483	-0.116503	0.110968	0.107627	-0.01602	0.066779	-0.145076
75	-0.033403	0.021856	-0.102839	-0.030404	0.0308	-0.072585	-0.057875	0.093734	-0.056207	-0.027766	-0.034532	-0.008987	0.063856	-0.002067
76	-0.040198	0.018092	-0.099844	-0.030976	0.043564	-0.066293	-0.060006	0.090076	-0.088403	-0.041656	-0.036597	-0.011691	0.084331	0.017618
77	-0.0085	0.009011	-0.111568	-0.0706	0.029866	-0.094929	-0.01786	0.034842	-0.046358	-0.05135	-0.094028	0.045292	-0.004638	-0.041367

	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN
1	0.158251	-0.024808	0.042347	-0.05445	0.212502	-0.052203	0.266143	-0.20243	0.048528	-0.023156	0.027164	-0.181094	0.086172	-0.131646
2	-0.227582	-0.106472	-0.028423	-0.020064	0.20343	0.098679	-0.017334	0.275255	0.124568	0.008588	0.048002	-0.014178	0.006064	-0.034354
3	0.026131	0.244812	-0.016353	0.098062	-0.252802	-0.105646	-0.088189	-0.129043	-0.318819	0.101222	0.058943	-0.000969	-0.087122	-0.159612
4	0.089788	0.078004	0.078466	-0.153632	-0.11855	0.010103	-0.086705	-0.156069	-0.100258	0.136227	-0.052122	-0.136186	-0.079123	-0.009075
5	0.109474	-0.177206	0.04603	0.043437	-0.21545	-0.07407	-0.022957	-0.013948	0.077829	-0.110009	0.020502	0.193141	0.080435	0.105535
6	0.032958	-0.01104	-0.181423	-0.037001	0.193987	0.083981	-0.111639	-0.088181	0.034953	0.136043	0.044294	-0.011058	-0.022375	0.145105
7	-0.103336	-0.029406	-0.195166	0.045119	0.188178	0.047126	-0.074759	0.053635	0.013121	-0.102627	-0.015639	0.190935	-0.122922	0.034863
8	0.000585	0.076957	-0.075776	0.283442	-0.175633	0.011693	0.118261	0.102659	0.059012	-0.319268	-0.006481	-0.063076	0.144255	0.153493
9	0.034748	-0.015005	0.015699	0.003713	0.038237	-0.097074	0.063169	-0.032793	0.053491	-0.11861	0.007778	0.043109	-0.126877	0.026936
10	-0.0394	-0.056459	0.022402	-0.035086	-0.014002	-0.027869	0.110393	-0.03339	0.008658	-0.105237	-0.02369	-0.033842	-0.105552	-0.089297
11	-0.015869	0.038394	0.138712	-0.017075	0.087962	0.179206	0.111037	-0.118171	0.082439	0.011135	0.012954	-0.01016	-0.253491	-0.151421
12	-0.027234	-0.031095	0.034887	0.061631	-0.114724	0.130493	-0.260695	0.029499	-0.147542	0.152963	0.003042	-0.002636	0.267104	0.23252
13	0.121907	-0.083107	0.16134	0.050219	-0.035008	0.282528	0.174339	0.149306	0.041018	-0.009753	0.194385	-0.015541	0.000565	0.137639
14	0.001894	-0.201884	-0.216139	0.0541	0.09006	0.005677	-0.015238	-0.092697	-0.069122	0.195082	0.018883	-0.009559	-0.013715	-0.066098
15	-0.01411	0.101138	-0.095963	0.075117	0.035457	-0.094982	0.098646	0.017276	0.143927	0.017727	-0.125575	0.116739	-0.002779	-0.019271
16	-0.115335	-0.092767	-0.13147	0.140532	-0.083756	-0.002002	0.09173	-0.292829	0.048733	-0.184561	-0.02204	-0.227947	0.005781	-0.045967
17	0.128941	0.098681	-0.277514	-0.166418	-0.020416	0.008224	0.088676	-0.120447	-0.008992	-0.11358	-0.284636	0.085524	0.18168	-0.089528
18	-0.31805	0.008821	-0.129675	-0.082461	0.043436	-0.160437	-0.179094	-0.097746	-0.058962	0.029441	0.220302	0.006503	-0.082804	0.117188
19	0.064885	0.038215	-0.1348	-0.122678	-0.049187	-0.175571	-0.20435	-0.031207	0.267441	-0.228884	0.023475	0.206921	-0.180887	-0.156585
20	-0.024835	0.07683	-0.195085	-0.058002	0.101928	-0.070541	0.149591	0.128558	-0.108174	0.321134	-0.038547	0.020713	0.185742	-0.121959
21	0.005512	0.106396	0.223335	0.053771	-0.081727	0.080663	0.027376	-0.03427	-0.022688	0.13923	0.039225	0.091431	-0.101508	0.036908
22	0.243583	0.092755	-0.120176	0.079125	-0.032559	-0.071352	0.089854	-0.077018	-0.030759	-0.060559	0.036599	-0.039626	-0.056806	0.084102
23	-0.091034	-0.036573	-0.046762	0.066172	-0.044622	0.013472	-0.064307	0.007433	-0.053453	0.10891	-0.121981	0.155765	0.001717	0.240115
24	-0.260407	-0.157999	0.092693	0.153982	-0.015267	0.086935	0.009827	0.028667	-0.087744	0.001532	0.001559	0.056768	0.055424	0.023694
25	-0.060957	0.031893	0.172314	0.197898	0.204254	-0.014636	-0.086375	-0.003742	-0.126308	-0.005956	0.03169	0.005141	0.213529	-0.034883
26	-0.143902	0.099781	0.009642	0.148684	-0.067553	-0.001009	0.042669	-0.026239	-0.053932	-0.197363	0.22962	-0.027402	-0.098083	0.158371
27	-0.187758	-0.133091	0.09097	-0.02457	0.093831	0.00199	0.237872	0.079623	-0.201705	-0.08836	-0.150555	-0.085184	-0.21053	0.147438
28	0.015949	0.034542	0.104032	0.048711	0.018527	-0.065429	0.003342	0.04647	-0.176756	0.043283	0.106604	-0.15826	0.034337	-0.038973
29	-0.10041	-0.08509	-0.002668	-0.213176	-0.093184	-0.043037	-0.06222	0.038243	0.030424	-0.031346	0.070867	0.11194	-0.063542	-0.157056
30	-0.270658	-0.007157	0.157672	-0.084984	-0.120005	0.222975	-0.137944	0.082278	0.165296	-0.053455	-0.3028	-0.025107	0.011113	-0.134215
31	0.021978	-0.170565	-0.046565	0.062708	0.153832	0.069193	-0.080495	0.014362	-0.098878	-0.048719	-0.137764	-0.039323	0.014378	-0.186408
32	-0.108965	0.024555	-0.006216	-0.15046	0.074134	-0.077526	-0.009492	0.199413	0.04445	-0.122707	0.030392	0.024032	0.191076	0.040244
33	0.081388	0.100771	-0.091678	-0.16569	0.061686	-0.012873	0.027904	0.31545	-0.032405	0.001413	0.148259	-0.031664	0.050424	-0.032959
34	-0.124102	0.084243	0.082821	0.093013	0.051891	-0.199003	-0.058936	0.066831	0.159867	0.32274	0.047524	-0.240914	-0.218149	-0.107192
35	0.086534	0.091938	0.018049	0.03925	-0.002341	-0.018171	-0.130182	-0.002334	-0.032261	-0.121934	-0.224915	-0.15181	0.25147	0.073325
36	0.111779	0.059676	-0.005624	-0.018499	0.015409	0.203268	0.085099	0.065997	-0.14186	-0.187489	-0.148668	-0.007273	-0.058319	-0.045736
37	-0.00252	-0.06396	0.100735	0.053843	0.046973	-0.109981	0.21966	-0.056213	-0.021208	-0.107805	0.203389	0.10076	0.139659	-0.207465
38	0.247293	-0.179616	0.03936	0.217029	-0.089352	0.066234	-0.374177	0.166085	0.001386	-0.072384	0.053529	-0.051044	-0.063579	-0.278916
39	-0.106399	0.037707	-0.046241	-0.013804	-0.375883	-0.099566	0.143359	0.118954	0.11835	0.134753	0.065397	-0.264003	-0.023577	-0.054813
40	0.098685	-0.066526	-0.042956	-0.059878	-0.010994	-0.096176	0.102942	-0.000079	-0.115056	-0.010177	0.115658	0.067861	-0.119822	0.034131
41	0.136733	0.051406	-0.022653	0.098816	0.115522	-0.122377	0.015946	-0.015441	0.023055	0.030228	0.121701	-0.126579	-0.024154	0.29074

	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN
42	-0.030584	-0.091861	0.009461	-0.067604	0.125523	-0.024881	-0.076831	0.073017	-0.098633	-0.014294	-0.091503	-0.106977	0.023805	-0.011205
43	-0.184267	0.094547	-0.020646	-0.095443	-0.02566	-0.009412	0.043543	0.102393	-0.120788	-0.07957	0.061806	0.028715	0.035596	-0.159529
44	-0.07995	-0.054391	0.122235	-0.089402	-0.007781	0.064471	0.0834	0.059618	-0.00125	0.030337	-0.204375	-0.065435	-0.111236	0.095391
45	0.124213	-0.185619	0.11698	-0.201709	-0.216315	-0.208908	0.053462	-0.048023	0.132661	0.138646	-0.081167	0.103959	0.141539	0.083401
46	0.112933	0.051589	-0.192631	-0.027	-0.047104	0.270439	-0.039494	-0.026447	0.114425	0.110922	-0.044556	0.052411	-0.169577	0.064518
47	-0.046073	-0.024838	-0.131833	0.165548	-0.023014	-0.043274	-0.027705	-0.057852	-0.045522	-0.080039	0.026416	0.017362	-0.11166	0.238148
48	-0.141478	-0.02282	-0.318358	0.018142	-0.050424	0.06811	-0.127934	-0.123163	-0.025122	0.002832	0.060781	-0.163854	0.178783	0.023285
49	0.047052	-0.137769	0.083896	-0.182828	0.063368	-0.007613	-0.097479	-0.202045	-0.133963	-0.09975	0.188828	0.261274	-0.01416	-0.001923
50	0.000883	0.19153	0.086967	0.037854	0.083107	-0.016371	-0.080511	-0.136633	-0.232132	-0.053492	0.015946	0.11318	0.109783	-0.166885
51	0.034454	0.320406	-0.125866	0.18098	0.074458	0.166533	-0.019137	-0.067495	0.061118	0.053056	-0.116162	-0.12421	-0.078417	-0.114455
52	0.049112	0.011694	-0.014345	-0.183696	-0.13875	-0.209812	0.085448	0.268081	-0.185977	-0.043748	-0.251873	-0.047876	-0.042387	0.152377
53	-0.102779	0.090001	0.070747	0.01169	0.12205	-0.029437	0.124714	-0.064665	0.05967	0.007722	0.089758	0.008727	0.17331	-0.032128
54	0.131433	0.117962	0.000884	0.035893	0.183316	0.005867	0.189886	0.082695	0.157309	0.05699	0.050982	0.113345	0.00754	0.076397
55	0.102513	0.101942	0.097794	0.019923	0.03422	0.0651	-0.030726	0.121555	-0.044747	-0.03786	0.078217	0.032416	-0.111704	-0.008704
56	-0.122673	0.053697	-0.119853	0.046959	0.051258	0.048547	-0.103589	0.025461	0.108504	-0.022288	0.069504	0.063961	-0.017312	0.080995
57	-0.04219	-0.053588	0.030232	-0.051622	-0.091482	0.114148	0.056268	-0.135078	-0.11406	-0.169702	-0.014643	-0.175749	0.074036	-0.060359
58	-0.13406	0.140655	0.109858	0.043715	-0.061476	-0.085297	-0.029549	-0.031727	0.072551	-0.124873	0.025968	-0.01346	0.0963	-0.040627
59	-0.055812	0.115336	0.097652	0.05553	-0.050938	-0.070952	-0.024471	-0.002015	0.093315	-0.110368	0.018096	-0.018977	-0.04132	-0.011921
60	0.100884	0.227137	-0.081211	-0.037041	-0.094773	0.013021	-0.119374	0.233289	-0.174593	-0.076796	-0.017261	0.015824	-0.161767	-0.051055
61	-0.016465	0.113384	0.226878	0.037321	-0.147491	0.179548	0.014687	-0.065147	0.048466	0.107536	0.066194	0.217217	0.153526	-0.022244
62	0.045383	0.161418	-0.022723	-0.214941	0.068222	-0.003841	-0.04717	0.017229	0.01709	-0.008408	0.173505	-0.130897	0.180447	0.074206
63	0.1284	-0.086372	-0.014716	0.191777	0.091436	-0.057242	-0.030137	0.199094	0.110596	-0.135449	-0.017356	-0.151373	0.040978	-0.039544
64	0.046837	-0.071805	0.060138	0.093164	0.007154	0.044975	-0.029528	-0.056403	-0.078389	0.007083	-0.022118	0.057147	-0.098127	0.019789
65	-0.022001	0.286753	0.203023	-0.051969	0.147911	-0.045453	-0.147412	-0.179689	0.276011	-0.019599	-0.207158	0.060811	0.044329	0.201222
66	-0.038828	-0.058469	-0.037748	-0.121255	-0.056252	0.308669	0.111499	-0.150689	0.028498	0.056013	-0.003052	-0.100603	-0.058639	0.012641
67	0.073264	-0.132104	-0.072672	0.362718	-0.07441	-0.068611	0.143137	0.010597	0.029284	0.231102	-0.181641	0.240003	0.028244	-0.03568
68	0.123305	-0.086551	0.062989	-0.102174	-0.072598	0.00421	-0.145922	-0.042145	0.244261	-0.036338	0.147735	-0.262099	-0.029528	0.081836
69	0.063607	-0.100586	0.060889	-0.123239	0.022326	0.048813	-0.065191	-0.121391	-0.038073	0.022089	-0.037568	-0.127119	0.073292	0.056739
70	0.135085	-0.235426	0.041148	0.05869	0.000024	-0.083428	-0.117528	-0.004774	0.03297	0.07336	0.010364	-0.107461	0.011828	-0.021014
71	-0.078809	0.033705	-0.173138	-0.073258	-0.215549	0.10824	0.148329	-0.054924	-0.031377	-0.011578	0.086992	0.067976	-0.068429	0.083133
72	-0.183383	-0.108575	-0.118528	0.087701	-0.088995	-0.142856	0.049155	-0.078791	0.138069	-0.008401	-0.053055	0.010829	0.069929	-0.164137
73	0.03586	-0.149172	0.037645	-0.088702	0.139059	-0.022771	-0.071862	-0.105641	-0.141261	-0.110187	-0.104875	-0.086556	-0.095879	0.11016
74	-0.090606	0.053783	0.14355	0.088772	0.074325	-0.318433	-0.050384	-0.098566	-0.11722	-0.002799	-0.197964	-0.020994	-0.185428	0.071125
75	-0.02203	-0.011946	0.015864	0.027932	-0.056157	-0.00811	0.005715	0.004102	0.068737	0.044586	0.027081	-0.018499	0.042692	-0.032509
76	-0.028572	0.010397	0.02789	0.021883	-0.046339	0.001873	0.051698	-0.018011	0.035572	0.053015	-0.016769	0.011578	0.05898	0.000493
77	-0.039592	0.033442	-0.069711	-0.007111	-0.067637	0.130339	0.002367	0.010467	-0.068093	0.0035	0.080885	0.051913	-0.005091	0.019617

	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB
1	0.073131	-0.117913	0.079159	-0.091431	0.071289	-0.00383	0.021385	-0.094095	0.047038	-0.104145	0.071019	-0.057715	0.091422	-0.066155
2	0.013344	0.249178	-0.092901	0.08007	-0.090696	0.014017	0.278521	0.030462	-0.036266	0.031132	-0.191087	0.013613	0.050726	0.004718
3	-0.287953	0.088019	0.104102	0.030613	-0.040985	-0.152494	-0.095341	0.065143	-0.192	0.136232	-0.164422	-0.089914	0.193989	-0.066988
4	0.212152	-0.310922	0.003666	0.018491	-0.032214	-0.135719	0.168905	0.046472	0.021553	0.006117	0.144134	0.126867	-0.142214	-0.000987
5	-0.132691	-0.110576	0.025312	0.004059	0.065871	0.113014	-0.421658	-0.006256	0.074847	0.020462	0.178749	-0.128844	-0.110616	0.086795
6	0.155447	0.147276	-0.124855	0.05628	0.120059	0.073608	-0.141179	-0.040678	0.355846	-0.066929	-0.206442	0.007827	-0.015821	-0.025209
7	0.008031	-0.013647	0.089122	-0.078355	-0.150843	0.016897	-0.001536	-0.109659	-0.081205	-0.176345	0.092016	-0.147601	-0.107033	0.162729
8	0.019816	0.008069	0.022417	-0.024424	0.092058	0.315441	0.047618	-0.046002	-0.157943	0.026259	0.13849	0.170593	0.052292	-0.08713
9	0.029728	0.005492	-0.107879	0.03455	0.016295	-0.089709	0.1256	0.034888	-0.091913	0.015962	0.027643	0.085719	0.143552	-0.089672
10	0.026889	0.069302	-0.034416	0.052465	0.092096	0.049944	-0.104349	-0.023708	0.014975	-0.01249	0.009398	-0.08949	-0.084977	0.164106
11	-0.204217	0.127343	0.055866	-0.020551	-0.026056	0.074049	0.089621	-0.186623	0.070724	0.155729	0.031438	-0.111269	0.035522	-0.067611
12	0.011351	-0.085641	0.208173	0.017585	-0.135168	0.115644	0.035089	0.066567	0.132145	0.021355	-0.107241	-0.014384	-0.067622	-0.002959
13	-0.02628	0.008906	-0.014468	-0.048601	-0.073936	-0.117917	-0.063759	0.012178	-0.065374	-0.079316	0.030809	0.147602	-0.028206	-0.009115
14	-0.049849	-0.061963	-0.012181	-0.233861	-0.065506	-0.065034	-0.127609	-0.030512	-0.046087	-0.104395	0.008392	0.054154	0.00017	-0.198134
15	-0.339494	0.113119	0.11944	0.13517	0.090019	-0.064314	-0.013947	0.110318	0.044237	0.240453	0.105972	0.088857	-0.098209	0.126108
16	0.085743	0.048236	-0.09112	0.002294	-0.018425	-0.17711	-0.076974	-0.043236	-0.167818	-0.104325	0.075524	0.088279	0.033331	0.060378
17	-0.012686	-0.050835	-0.000034	0.013876	-0.097083	0.019493	0.120518	0.038265	0.048936	0.011261	-0.061521	-0.073262	0.011574	0.049796
18	0.07587	0.078423	-0.091096	0.188409	0.108496	0.002093	0.018271	-0.290974	-0.213713	0.067518	0.237639	0.114721	-0.055245	0.12652
19	0.09493	-0.026266	-0.079885	-0.126817	-0.187526	0.1655	0.034977	0.095971	0.060556	0.142634	-0.180442	0.016902	-0.084352	-0.122708
20	-0.023655	0.091133	0.102518	0.124872	0.297595	0.141684	0.117195	-0.111617	0.058734	-0.103081	0.131547	-0.101355	0.108322	0.045048
21	0.033108	0.181877	-0.101813	0.089202	-0.158241	-0.079702	-0.060477	-0.145713	0.012154	0.089806	0.089602	0.174244	-0.124753	-0.023413
22	0.150388	0.213592	0.070263	-0.011007	0.084833	0.109101	0.083011	-0.145768	0.027338	-0.0718	-0.071229	-0.1345	-0.063203	-0.197158
23	0.002124	-0.088735	-0.084021	-0.046181	0.00227	0.118459	-0.044367	0.096894	-0.142348	-0.152829	0.000286	0.163099	-0.046651	-0.053523
24	-0.154008	-0.108356	0.024027	0.042887	-0.120754	0.035036	0.017121	-0.176428	0.19284	0.023757	-0.138936	-0.213208	0.10894	-0.049878
25	0.15309	-0.024485	0.065584	0.025576	0.150456	0.120278	0.037676	0.039027	-0.219953	0.258187	0.040131	-0.008761	0.052688	-0.133521
26	-0.059416	0.076228	-0.052973	0.006108	0.173232	-0.137943	-0.05968	0.098411	0.279618	-0.297142	0.013745	-0.232392	-0.001278	0.012384
27	0.141179	-0.009183	0.056657	0.051479	0.128047	-0.091733	-0.176419	0.326079	-0.054211	0.070127	-0.262011	0.01443	-0.064048	-0.016172
28	0.100241	0.177462	-0.174868	-0.294777	-0.292165	0.020646	0.077485	0.11389	0.085169	0.103542	0.289315	-0.181837	-0.005684	0.210432
29	-0.098214	0.085975	0.233732	-0.228852	0.019575	0.029089	-0.064713	0.128662	-0.033693	-0.007333	0.149486	-0.026659	-0.014649	-0.044924
30	0.175554	0.028193	-0.079816	-0.203807	0.197833	-0.031013	-0.032522	-0.011514	0.005892	0.034132	0.171189	0.045498	0.063461	-0.071086
31	0.042845	-0.186934	-0.125839	0.183434	-0.17478	0.027999	-0.068095	-0.085824	0.207734	0.077592	-0.055532	0.080437	0.286873	0.270133
32	-0.00877	-0.042627	0.193133	0.054957	0.001166	-0.187732	0.155395	0.049951	-0.1189	-0.117521	-0.12087	0.042146	-0.105814	0.044247
33	0.037297	-0.120948	-0.042494	-0.179684	0.09148	-0.008512	-0.2626	-0.135049	-0.05777	0.157155	-0.029077	-0.116163	0.214934	-0.261161
34	0.012876	-0.119324	0.059895	-0.028146	-0.094027	0.195178	-0.147418	0.124795	0.088371	0.028375	-0.007937	0.142336	-0.053063	0.068019
35	-0.165095	0.127557	-0.216951	-0.250447	-0.14126	-0.162206	0.08048	0.05693	0.029814	0.006827	-0.050981	-0.044241	-0.048491	0.072307
36	-0.114632	-0.022734	0.231488	0.147183	-0.132913	-0.061397	-0.067715	-0.257253	0.071115	-0.133604	0.029143	0.234511	-0.049821	0.071359
37	-0.019985	-0.025152	-0.001246	0.125166	-0.212185	0.238623	-0.085785	0.098899	-0.030555	-0.100667	-0.129831	0.183381	-0.064613	-0.175701
38	-0.116858	-0.05975	0.014516	0.00611	0.391755	-0.05186	0.153943	-0.030252	-0.024904	-0.128223	-0.151596	0.071924	-0.058351	0.094576
39	-0.11171	-0.149402	-0.165153	0.228068	0.016717	0.012035	0.122968	0.035597	0.11074	-0.024293	-0.057131	-0.068866	-0.029565	-0.098517
40	-0.042467	-0.219881	-0.039395	0.083308	-0.071935	-0.099396	0.166033	-0.123629	-0.123298	0.08501	-0.036603	0.057538	-0.023851	0.023187
41	-0.021952	-0.063457	-0.064369	-0.00713	-0.111143	-0.035402	0.105905	-0.103961	-0.099849	0.063194	-0.118273	-0.118243	-0.026681	0.12427

	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB
42	-0.106742	-0.008399	0.034415	0.112134	-0.045693	0.000197	-0.052683	-0.085259	-0.045601	0.032632	0.164637	-0.078758	-0.067082	-0.129844
43	-0.084075	-0.095636	-0.012939	-0.06304	-0.033262	-0.030645	0.074258	-0.062891	0.17408	0.001942	0.14176	0.015959	-0.30683	-0.028383
44	-0.02903	-0.016185	0.163894	-0.129295	0.01348	-0.221119	-0.028543	-0.168495	-0.125028	0.053143	-0.159953	-0.099855	0.047659	-0.061499
45	-0.041435	0.093879	-0.184491	-0.051635	0.133889	0.010408	0.011588	-0.238347	-0.044768	0.080482	-0.092423	-0.030125	0.050919	0.201651
46	0.108536	-0.203807	0.082792	0.226408	-0.02244	-0.089989	0.071372	0.223732	-0.051621	-0.071439	0.247324	-0.187822	0.041563	-0.07834
47	0.002049	-0.088715	0.197989	-0.154245	0.031227	0.064882	0.213878	0.081845	0.156291	0.259561	0.128878	-0.006904	0.32802	-0.019543
48	-0.00645	-0.008136	-0.085259	-0.081503	0.015236	-0.197856	-0.144049	-0.187413	-0.015469	0.060942	-0.057149	0.079367	-0.17325	-0.193708
49	0.076215	0.057603	0.046747	0.082494	0.052903	-0.127976	0.092962	0.132591	0.017701	0.018234	0.057053	-0.189409	-0.023349	-0.045352
50	0.144767	0.15377	-0.002477	0.055539	0.020514	-0.079146	-0.079682	-0.015604	0.209335	-0.010244	0.038041	0.259543	0.070809	-0.131127
51	-0.03716	0.077544	0.010942	-0.018139	0.027426	0.029513	-0.161454	0.127469	-0.136997	-0.001242	-0.051907	-0.129541	-0.088127	0.107087
52	0.085367	0.189656	-0.015353	0.126013	-0.139141	0.023732	-0.06533	0.017562	0.106854	-0.109449	0.131566	0.007739	0.087772	-0.128513
53	-0.093336	-0.040438	-0.049179	-0.01976	0.004827	-0.071107	0.058554	0.098891	-0.087684	-0.037483	-0.074564	-0.141858	-0.19268	0.012797
54	0.042344	-0.046095	-0.08949	-0.118109	0.174497	-0.14654	-0.10154	0.07322	0.044069	0.078962	0.085904	0.1786	0.048956	0.218106
55	0.125054	-0.189099	-0.080992	-0.155339	-0.014419	0.009789	-0.044744	-0.191065	-0.086764	-0.026408	-0.062155	-0.081119	0.030331	-0.06054
56	-0.070419	-0.022192	-0.007169	0.071763	-0.109696	0.01226	-0.038548	0.009984	-0.010375	0.048533	0.004028	0.028668	-0.001847	0.014113
57	0.184001	-0.029118	0.145024	0.064304	0.097729	0.171552	0.080679	0.02532	-0.017049	0.260262	-0.09443	-0.048996	-0.151566	0.215347
58	0.01844	-0.115868	-0.065736	0.017548	0.057892	-0.055633	0.08561	0.008021	0.116815	-0.079771	-0.001256	-0.051512	0.095407	-0.096042
59	0.048782	-0.069412	-0.089576	0.048665	0.062742	-0.092765	0.097349	-0.019952	0.216782	-0.111993	0.035148	0.047926	0.132052	-0.072257
60	0.197157	0.089567	-0.156893	0.111406	-0.032936	0.130167	-0.037561	-0.026978	-0.180623	-0.079444	-0.109294	-0.07422	-0.043284	0.116304
61	0.136112	-0.035044	-0.039693	0.061378	-0.072564	0.047523	0.008362	-0.03679	-0.110005	-0.132579	-0.004975	-0.172551	0.137867	0.157902
62	-0.102595	-0.148551	0.099084	-0.108899	0.011772	0.050235	-0.087096	0.133949	0.01901	-0.113321	-0.063886	0.156838	0.059129	0.206757
63	0.048763	-0.081872	0.062203	0.145339	-0.114232	-0.053039	-0.09485	-0.112922	0.080539	0.178492	0.19183	-0.182533	-0.136128	-0.030186
64	-0.053323	0.00017	-0.108547	0.003073	0.04994	0.014511	-0.107249	-0.07616	0.059195	0.039804	-0.118424	-0.03125	-0.076019	0.064362
65	-0.089847	-0.063434	0.034599	0.181633	-0.04343	0.007125	-0.06822	-0.118998	-0.029003	0.014517	-0.061907	-0.011274	0.069986	-0.16225
66	-0.158136	0.024246	-0.104939	-0.118052	-0.054437	0.374018	0.151608	-0.05281	-0.091871	-0.146687	-0.002082	-0.009491	-0.011225	-0.103419
67	0.142992	0.110321	-0.01164	-0.068231	-0.0149	-0.126539	0.163005	0.045822	0.040808	0.008266	-0.000472	0.055025	-0.182857	-0.107692
68	0.056631	0.328268	0.307152	0.042878	-0.071222	-0.08097	0.016638	-0.024043	0.043028	-0.01972	-0.031974	0.056822	0.047062	0.006901
69	0.054742	0.138689	0.000272	0.157611	0.073431	0.160654	-0.159667	0.096393	-0.036873	0.052121	0.033605	-0.095783	-0.052638	-0.027475
70	-0.014503	0.072712	0.106285	0.044834	-0.126847	-0.034343	0.018851	0.09345	-0.070316	-0.123203	0.062321	0.083082	0.139519	-0.078779
71	0.115923	-0.02662	0.090968	-0.122757	0.031556	0.006837	0.005259	-0.081244	0.168044	0.246748	-0.183687	0.159006	0.026827	0.113823
72	0.188287	-0.008921	0.049145	0.068139	-0.142728	-0.085239	-0.174703	0.012314	-0.162544	-0.130019	-0.081896	-0.11855	0.28348	0.133237
73	-0.25533	-0.083613	-0.33791	0.078944	0.115756	0.082879	0.026766	0.154215	-0.028351	0.037997	0.066657	0.037724	0.034158	-0.080469
74	0.002363	-0.089241	0.235638	-0.22296	0.055407	0.177252	0.06752	-0.170514	0.022028	-0.278688	-0.040934	0.007213	-0.07972	0.121451
75	0.105316	-0.049843	0.064158	0.037868	-0.044301	-0.04248	-0.035614	-0.102206	0.02147	0.028696	0.005966	-0.003955	-0.096869	-0.016282
76	0.116272	-0.060947	0.047632	0.015709	-0.012038	-0.037063	-0.051478	-0.026922	0.043453	0.084351	-0.066164	-0.132513	-0.124506	-0.073167
77	-0.119713	0.098084	0.00395	-0.026155	-0.03526	0.00178	-0.011766	0.012114	-0.023336	-0.065294	0.080823	0.126306	0.237768	0.10799

	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP
1	0.105186	-0.079865	0.012822	-0.086787	0.022693	-0.065532	-0.065244	-0.082491	-0.023503	0.078267	-0.077171	0.059356	-0.031011	-0.235191
2	-0.012633	0.040313	0.060419	0.001501	0.062866	0.021456	0.01275	-0.009914	-0.065745	-0.101266	-0.048711	0.019088	0.053812	0.068966
3	0.041943	0.041659	0.049094	-0.064031	-0.071075	0.082422	-0.059811	-0.147327	-0.075611	0.027577	-0.12954	0.099339	-0.078496	-0.104381
4	-0.138835	-0.02483	0.035348	0.097917	0.110583	0.081288	0.211735	0.187514	0.201093	-0.003581	0.159516	-0.157049	0.124147	0.21456
5	0.003345	-0.069593	-0.10729	0.07368	-0.1162	-0.136019	-0.05182	-0.036557	0.043436	0.077608	0.105432	-0.094113	-0.105254	-0.034359
6	0.16184	-0.068638	-0.180011	-0.013706	-0.121607	0.080744	0.098795	-0.029099	-0.039062	-0.095353	-0.023336	-0.071346	-0.099684	0.063206
7	-0.117615	-0.121728	0.338091	0.065729	0.023332	-0.274951	-0.004036	-0.015178	-0.078557	0.232822	0.065387	0.028263	0.13309	-0.128579
8	-0.064031	0.147994	-0.230185	-0.010255	0.091711	0.103186	-0.125298	0.111148	0.122393	-0.192752	-0.053936	0.072237	-0.090263	0.056267
9	0.070496	-0.136584	-0.058878	0.252402	-0.301208	-0.106114	-0.166585	0.036121	0.134797	0.148209	-0.025005	-0.023005	-0.024091	0.104536
10	-0.003367	0.130679	0.029085	-0.245528	0.362007	0.051608	0.113287	-0.055672	-0.078455	-0.05981	0.005715	-0.027316	-0.066552	-0.095452
11	0.07829	0.077227	-0.226546	0.099315	0.040678	-0.411054	0.288641	-0.122104	0.265212	-0.039434	0.077067	0.042758	-0.150876	-0.004429
12	0.040726	-0.131629	0.033336	0.026374	0.040214	-0.044789	0.031902	0.030727	-0.029078	-0.081817	-0.043314	0.08476	0.158942	-0.08812
13	0.070034	-0.003073	0.103877	-0.033318	-0.062773	-0.045085	0.010269	0.073278	0.061651	-0.02695	0.034249	0.007724	0.012353	0.016038
14	-0.19009	0.247748	-0.041788	-0.01362	-0.146865	0.028193	-0.006228	0.017011	-0.014971	0.0209	0.136393	-0.015423	-0.052038	0.021591
15	-0.055007	-0.152577	0.069905	0.040906	0.023878	0.077145	0.079672	-0.016019	-0.040833	-0.222992	-0.051093	-0.090825	0.000368	0.254675
16	0.012645	0.032155	0.027951	-0.022215	-0.038537	0.002882	0.037783	-0.001249	-0.097454	0.006117	0.067765	0.00972	0.078931	0.096303
17	-0.05707	0.006705	-0.115912	0.014044	-0.015674	0.034468	-0.00435	-0.071508	-0.040329	-0.005865	0.001815	0.016273	-0.037052	0.001668
18	0.207769	-0.14093	0.026238	-0.162463	-0.046288	-0.034138	-0.116322	0.019285	0.076974	-0.028658	-0.068398	-0.102431	-0.04126	0.040778
19	-0.005538	-0.061843	-0.082917	-0.080693	0.059217	0.026612	0.044597	-0.025144	-0.084713	0.026985	0.030811	-0.005722	0.058823	-0.024268
20	-0.074727	0.008335	0.049496	0.152518	-0.065494	0.014827	-0.047584	0.065439	0.103531	0.023842	-0.027658	-0.024733	-0.085732	-0.044661
21	-0.113029	0.202028	-0.12595	0.03554	-0.02974	-0.012985	0.015858	0.18489	0.001302	0.007474	-0.190338	-0.061359	0.21596	-0.156274
22	-0.022228	-0.067943	0.077687	-0.048735	0.04027	-0.037529	-0.140389	0.110136	0.010809	-0.042761	0.140837	-0.103185	-0.060737	0.045635
23	0.124076	-0.041815	-0.017033	0.059928	-0.05814	-0.074653	0.250215	-0.282462	-0.040774	0.088303	-0.273415	0.041431	-0.108478	-0.09886
24	-0.057237	0.0928	-0.114234	-0.128249	0.084732	0.132805	-0.148027	0.162312	0.150116	0.277947	-0.048471	-0.16813	-0.191231	0.036889
25	-0.317751	-0.028301	-0.035815	-0.086077	-0.010415	-0.162645	0.101875	-0.128356	-0.016056	0.090024	0.184867	0.166811	0.066773	0.103364
26	-0.018702	0.101948	-0.043692	0.30296	0.116134	0.070022	0.156406	0.118066	-0.152912	0.064698	0.003413	0.144673	0.085161	0.084303
27	-0.260361	-0.08404	0.075664	0.041408	0.08138	-0.101344	-0.031519	-0.103462	0.175077	-0.065819	-0.03965	-0.097631	-0.095354	-0.077299
28	0.014526	-0.028389	-0.16794	-0.112565	-0.097373	-0.007966	0.034545	-0.056313	-0.133237	-0.028291	-0.013889	0.045188	-0.025628	0.022242
29	0.020135	-0.021287	0.082528	0.01069	0.238093	0.171848	-0.102964	0.060719	0.27329	0.146492	0.019153	-0.001375	0.133018	0.081798
30	0.017652	0.050153	0.000344	-0.009677	-0.138279	-0.079843	-0.04559	0.065085	-0.164224	-0.056014	0.019066	0.004606	-0.13893	-0.106577
31	-0.011368	0.070817	0.033339	0.002678	0.001528	0.000597	-0.137849	0.059454	0.068439	-0.026533	0.050188	0.20731	0.073899	0.170051
32	0.07078	0.167107	-0.092751	-0.080563	-0.163913	0.107178	0.213185	0.031114	0.003542	0.028831	0.199041	0.038011	-0.195817	-0.114255
33	0.134149	-0.011613	0.059279	-0.055675	0.114026	-0.117455	0.093573	0.093293	-0.041366	-0.137917	-0.194996	0.031119	0.291785	0.009022
34	0.026711	-0.015317	0.001437	0.012396	0.037824	0.105232	-0.064531	0.119785	0.004563	-0.041353	0.015658	-0.076341	-0.206781	-0.163872
35	0.142721	0.105888	0.236904	0.110507	-0.069944	-0.076064	-0.081594	0.005662	0.324576	-0.096546	-0.107158	-0.127574	-0.100754	-0.07741
36	-0.085542	-0.002194	-0.02286	-0.319578	-0.045917	-0.050726	0.062689	-0.008641	-0.171262	0.06752	-0.158809	-0.193373	0.035129	0.039656
37	0.234573	-0.01396	0.158305	0.058414	-0.116066	0.024636	0.034426	0.055626	0.099359	-0.002524	0.076078	0.011521	0.01014	0.094502
38	-0.000861	-0.04997	-0.046097	-0.018568	-0.060817	-0.006636	0.02501	-0.002817	0.063983	-0.006196	-0.067553	-0.136731	0.099799	-0.038267
39	0.061126	0.157112	0.176534	-0.136941	-0.108754	-0.174258	0.065964	-0.216194	-0.095601	0.123335	0.099101	0.035757	0.143146	0.128889
40	-0.013474	-0.094862	-0.05774	0.274983	-0.000455	-0.024023	0.066568	0.179969	-0.237734	-0.183732	0.02549	0.028637	-0.180925	-0.22333
41	-0.089749	-0.04035	-0.070449	-0.078967	0.177299	0.003637	-0.037124	-0.198454	0.205591	-0.00113	-0.018263	-0.116991	0.064337	0.023488

	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP
42	0.171583	0.089038	0.085739	0.143916	0.047346	-0.036653	-0.011961	0.180629	0.025579	-0.007675	0.068572	-0.073689	0.044316	-0.071765
43	-0.125601	-0.015406	-0.044005	0.142302	0.0115	-0.025405	-0.198373	-0.250401	-0.106687	-0.10291	0.014556	0.044096	-0.125503	0.207124
44	0.283644	-0.252344	-0.322301	0.072923	-0.016455	0.191861	-0.063168	-0.079595	-0.071337	0.033611	0.171813	-0.007281	0.146602	0.200428
45	-0.246928	0.008499	0.005322	0.057434	0.095524	-0.003989	0.114688	0.050862	-0.061262	0.063736	-0.010284	0.032824	-0.019407	-0.055425
46	0.055939	0.123108	-0.123734	-0.066379	0.076124	-0.003841	-0.264696	-0.142281	0.111019	-0.15	-0.053254	0.087223	-0.005432	-0.157281
47	0.020573	0.100632	0.107262	0.04119	-0.102081	-0.011757	0.092494	0.042831	-0.212518	0.114263	0.045188	-0.296565	0.042701	0.052077
48	-0.030752	-0.041463	0.004451	-0.016469	0.198225	0.007798	0.075982	-0.024202	0.106676	0.010462	0.022641	0.181445	-0.109943	0.047415
49	-0.021049	0.165714	0.043603	-0.202314	-0.147562	0.034184	0.125587	0.142454	0.102677	-0.197933	-0.224139	0.07634	-0.09476	0.146668
50	-0.032877	-0.06908	-0.048583	0.184244	0.144498	0.076312	-0.004151	-0.230749	-0.014239	0.088935	0.036177	-0.196819	0.05	-0.132566
51	-0.040808	-0.239174	0.075856	-0.077288	-0.112349	-0.028363	0.156655	0.369975	-0.018249	0.07898	-0.021495	0.064768	-0.097963	0.126784
52	-0.049804	-0.161685	0.034975	-0.08758	-0.005301	-0.036355	0.009617	0.103216	0.010638	-0.039951	0.001146	0.05005	-0.021034	0.042997
53	-0.113075	-0.045575	-0.190782	-0.085834	-0.086815	0.093366	-0.198589	0.167051	-0.158227	0.024429	0.031951	-0.091571	0.184062	-0.241442
54	0.059006	0.148682	0.054364	-0.036263	-0.001505	0.201264	-0.065251	-0.13213	0.025757	0.200302	-0.105177	0.108838	0.085151	0.109003
55	-0.049905	0.076757	0.29472	0.025216	0.040032	0.175819	-0.028561	-0.106939	-0.153973	-0.132391	-0.006902	-0.20369	-0.378378	0.152161
56	-0.043382	-0.031612	-0.086936	0.001061	0.001074	-0.012307	-0.039816	-0.070962	0.023143	-0.044496	0.010944	-0.032286	0.032338	0.005698
57	0.306823	0.063209	0.096306	0.216305	0.171919	-0.01335	-0.029423	0.036723	-0.122863	0.080069	-0.201114	0.05498	-0.002366	-0.07398
58	-0.029467	-0.216961	-0.028946	-0.196571	0.009464	-0.099969	-0.058511	0.018261	0.015052	-0.098247	0.023571	-0.178817	0.051811	-0.135905
59	-0.093253	-0.203391	0.053264	-0.070942	0.02151	-0.031515	0.086992	0.015452	0.161343	-0.014114	-0.099908	0.16749	-0.019821	-0.096312
60	-0.002966	0.193266	-0.198171	0.109828	-0.003411	-0.014654	-0.035948	0.017892	0.090722	0.264494	0.119337	-0.003211	0.003324	0.012325
61	0.113682	-0.26287	0.095724	-0.051231	0.065304	0.072366	0.015893	-0.084502	0.040056	-0.008547	0.135661	0.02384	-0.144155	0.140498
62	0.016022	0.048234	-0.201837	-0.001781	0.106404	-0.377532	-0.007968	0.077604	-0.024591	-0.029525	0.032511	-0.160476	-0.063783	0.145562
63	-0.021268	-0.105839	0.006179	0.073193	-0.12982	0.27852	0.302302	-0.118347	0.11675	-0.013355	0.019208	0.053161	-0.000935	-0.182896
64	-0.062492	-0.018739	0.090615	0.083287	-0.057446	-0.114336	-0.290259	-0.003731	-0.079327	-0.385446	0.18247	0.116926	0.159506	-0.003824
65	-0.01067	0.247477	0.14244	0.09766	0.103095	0.029326	-0.032213	0.074563	-0.082054	0.054683	0.057168	0.11604	-0.00228	0.014619
66	-0.193307	-0.129021	0.031915	0.105665	-0.037628	0.222954	0.091712	-0.066023	0.013958	-0.034117	-0.17692	-0.085562	0.154398	0.026025
67	0.2551	0.047683	0.016213	-0.115462	0.250848	-0.154894	0.001916	0.068587	-0.038094	0.030794	0.103683	-0.095502	0.009593	0.027451
68	-0.124775	-0.001017	0.125564	0.043433	-0.039952	-0.024389	-0.186628	-0.125213	-0.022269	0.053837	0.013148	-0.008813	-0.097976	-0.036377
69	0.047539	0.115649	0.039605	-0.082884	-0.193133	0.064568	0.051417	-0.128485	-0.064031	-0.016023	0.206714	-0.159307	0.104311	0.050609
70	-0.069126	-0.116714	-0.137788	0.030023	0.192507	-0.06263	-0.025056	0.092561	-0.203549	0.069047	-0.133868	0.265998	-0.201025	0.157743
71	-0.054027	-0.056473	0.07431	-0.139594	-0.208715	0.02181	-0.016337	0.128823	0.172229	0.074009	0.106305	0.218943	-0.044432	-0.170917
72	-0.067255	0.061267	-0.075926	0.150316	-0.003329	-0.030282	0.13601	-0.004409	0.088866	-0.202455	-0.152373	-0.273978	0.117907	-0.009068
73	0.076156	-0.107364	0.006126	-0.151204	0.104431	0.063692	-0.024286	0.090259	-0.032389	0.174874	0.040329	-0.00718	-0.051311	-0.046083
74	0.091683	0.135928	-0.010624	-0.103249	-0.130714	0.045237	0.035339	-0.063441	0.100362	-0.179232	-0.028126	0.231682	0.155135	0.055666
75	-0.076898	-0.068741	-0.013227	0.127289	-0.075923	0.015353	-0.097689	-0.029926	0.021033	0.120721	-0.19233	0.047051	0.032823	0.056963
76	-0.030794	0.083216	-0.01341	-0.040495	-0.070886	-0.116151	-0.007759	0.080775	-0.027157	-0.016917	-0.170495	-0.066859	-0.040399	0.168221
77	0.041099	0.019883	0.046183	0.008093	0.141548	0.110493	0.140855	-0.011129	0.019482	-0.189113	0.385951	0.024705	0.012695	-0.204303

	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ
1	0.054005	-0.109496	0.071113	0.148232	-0.083013	0.059838	-0.016244	-0.016375	-0.001747	-0.008639
2	0.030212	0.082034	-0.035334	0.05197	0.020757	-0.013332	0.02586	-0.00343	0.016795	-0.155219
3	0.049127	0.047565	0.064921	0.020317	-0.04339	0.008027	0.05112	-0.010633	-0.008942	-0.193607
4	-0.031444	-0.011652	-0.04047	-0.073607	0.096399	-0.08394	0.019983	0.018894	0.008426	-0.096794
5	-0.088072	-0.077959	0.0197	-0.140859	-0.044855	0.040466	-0.053756	-0.008034	-0.0357	-0.074566
6	-0.134105	-0.01574	0.090969	-0.099156	-0.001287	-0.000086	-0.090555	-0.019168	0.021864	-0.078226
7	-0.025487	-0.021942	-0.146686	-0.073646	-0.066703	0.0321	0.131349	0.038264	-0.028404	-0.056266
8	0.110237	0.079124	-0.028217	0.125806	0.033396	0.006946	-0.010361	-0.005941	0.006908	-0.015076
9	-0.281881	0.087195	-0.013899	0.228483	-0.049188	0.085583	0.035539	0.050004	-0.005809	-0.002536
10	0.282524	-0.066491	-0.087402	-0.264952	0.030364	-0.134488	-0.074849	-0.037605	0.017537	-0.002625
11	0.051357	0.032664	-0.014084	0.026585	0.164809	0.067037	0.043837	-0.017454	0.053291	-0.101975
12	0.02328	-0.031894	0.120817	0.064938	-0.045129	0.055281	0.115188	-0.01755	-0.010356	-0.011123
13	0.052614	0.007938	0.030066	-0.005425	0.02799	-0.026134	-0.001098	0.005851	-0.002546	-0.004688
14	0.050151	0.012808	0.015106	-0.017935	0.071077	-0.029385	-0.021587	-0.00998	0.009393	-0.011907
15	-0.169351	0.195605	-0.16418	-0.149771	-0.023117	0.0047	0.037189	-0.00668	-0.028571	-0.051876
16	-0.031207	0.069269	0.002806	-0.018084	0.060984	0.003089	-0.00901	0.01416	-0.009002	-0.03086
17	0.00368	0.021524	-0.016604	-0.000486	-0.094094	-0.027221	-0.05434	-0.01752	0.009062	-0.003793
18	0.007149	-0.115243	0.022029	-0.067017	0.080635	0.004953	0.030542	0.021724	-0.067229	-0.019454
19	-0.009198	0.008576	0.071309	0.011214	-0.107514	-0.00889	0.030233	-0.026446	-0.007948	-0.013859
20	0.085293	-0.107264	-0.117074	-0.028605	-0.003385	0.034105	-0.102225	0.025313	0.034172	-0.003147
21	-0.038933	-0.250202	-0.188864	-0.033141	-0.296098	0.124257	-0.091352	-0.036631	0.052652	-0.089189
22	-0.123282	0.001342	0.098893	-0.111175	-0.019562	0.03134	0.107146	-0.041464	-0.034575	-0.382501
23	0.089852	0.003864	-0.092799	0.147043	0.018708	-0.141848	-0.261602	0.05728	0.076926	-0.326042
24	-0.158509	-0.001739	-0.026815	-0.060054	-0.15077	-0.169199	0.267017	-0.064364	-0.075968	-0.034674
25	-0.047785	0.019112	0.007749	-0.123623	-0.218987	-0.04508	-0.057654	-0.027809	0.015297	-0.037416
26	0.030681	0.130182	-0.119124	0.105016	0.002236	0.042169	0.001573	0.025551	0.089901	-0.014708
27	-0.118407	-0.010234	0.112127	0.017595	0.070136	-0.040737	0.022728	-0.01813	0.007137	-0.021268
28	-0.048945	0.182107	-0.017535	-0.016427	-0.084368	0.097946	0.023954	-0.018154	-0.001898	-0.011764
29	0.078805	0.002661	-0.04595	0.190796	0.037559	0.207483	-0.112473	0.038856	0.022737	-0.306433
30	-0.076921	0.030629	0.045912	-0.114338	0.024288	-0.055749	0.082594	-0.022378	-0.044616	-0.200111
31	0.0688	0.013082	-0.143265	0.144325	0.03278	-0.023091	-0.164981	0.051955	0.061869	-0.283056
32	0.03141	-0.03549	0.043587	-0.071274	0.000417	0.471515	0.093044	-0.064741	0.002562	-0.114885
33	-0.166033	0.035357	-0.087455	0.001975	0.223878	-0.093287	0.102734	-0.028302	-0.069935	-0.009558
34	0.002648	0.071071	0.089795	0.143852	0.083507	0.085079	0.07111	0.013168	-0.011357	-0.014388
35	0.041444	-0.143052	-0.073225	-0.179659	0.14715	-0.083631	0.054995	-0.00863	-0.028899	-0.034778
36	-0.106306	0.108088	0.160129	0.169641	0.158902	0.086615	0.002897	-0.003618	-0.030178	-0.026395
37	0.066502	-0.112037	-0.064431	-0.167667	-0.017482	-0.104688	-0.016342	0.004729	-0.002505	-0.009653
38	0.022264	0.001613	-0.038221	-0.016757	-0.048831	-0.044794	0.019887	0.027483	-0.016916	-0.012492
39	-0.14533	-0.015642	0.055256	-0.126364	-0.050846	0.03889	-0.0766	-0.022439	0.005417	-0.116976
40	0.199083	0.099778	-0.062628	-0.024414	-0.065733	-0.237773	0.298184	0.013335	-0.022326	-0.186335
41	-0.034841	-0.053073	0.028585	0.054517	0.020076	0.09819	-0.092677	-0.002375	-0.006094	-0.082214

	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ
42	0.042609	0.384684	0.406611	-0.081422	-0.251059	-0.077581	-0.28254	0.01733	0.093751	-0.093744
43	-0.001515	-0.318983	0.177313	0.204108	0.060626	-0.204936	0.008583	-0.008292	-0.04073	-0.035473
44	0.16376	-0.172122	-0.096344	-0.0933	-0.156374	-0.06118	-0.131887	-0.010451	-0.021496	-0.013018
45	-0.083079	0.052482	0.102249	0.193592	0.047039	0.023849	-0.011047	0.015255	0.020241	-0.010224
46	-0.085721	0.069745	-0.123376	-0.094347	-0.057958	0.035834	0.067038	-0.002346	-0.017155	-0.00729
47	0.205404	-0.170941	0.136576	-0.043211	0.198393	0.022061	-0.106109	-0.049629	-0.04507	-0.013177
48	-0.000256	0.084878	0.005281	0.10903	-0.078914	0.050864	0.097506	0.015212	0.024394	-0.011127
49	-0.057167	-0.071867	0.151592	0.05523	0.003758	-0.127297	-0.093132	-0.089421	0.076126	-0.074356
50	-0.01437	0.159509	-0.066781	-0.16277	0.099278	0.108547	0.052137	0.093169	-0.050781	-0.03321
51	0.061175	-0.190796	0.064124	0.129973	-0.090485	-0.052642	-0.040493	-0.071556	0.054196	-0.014973
52	0.080229	-0.023494	-0.036367	-0.005096	-0.082295	-0.002587	0.047946	-0.019408	0.034351	-0.035965
53	-0.152669	0.069401	-0.087387	-0.014239	0.297909	-0.15442	-0.288369	0.027113	-0.186815	-0.259397
54	0.064553	-0.039293	0.291005	-0.106222	-0.166889	-0.081866	0.322859	0.057387	0.092029	-0.271839
55	-0.134618	0.026367	-0.266206	0.029165	-0.195211	0.175812	-0.24685	-0.076312	0.022168	-0.046341
56	0.037024	0.019445	-0.003132	-0.008231	-0.031725	-0.003965	-0.018628	-0.003993	-0.012182	-0.002538
57	-0.243523	-0.094966	-0.003462	0.041226	-0.06914	0.105804	-0.008698	-0.013621	-0.017269	-0.035028
58	0.047371	-0.107049	-0.049744	0.078273	-0.051012	-0.011773	0.08034	0.147222	0.637828	-0.107665
59	0.158128	-0.044489	0.063453	0.023696	-0.166102	0.030382	-0.100211	-0.18023	-0.595497	-0.106324
60	0.043809	-0.051732	0.139396	-0.049744	0.160031	-0.100202	-0.021183	0.049787	0.000804	-0.026185
61	0.053665	0.2429	0.125182	0.001081	0.212154	-0.027839	0.035683	0.049515	-0.027819	-0.020047
62	0.001913	0.082985	-0.078068	-0.056148	-0.178063	-0.060039	-0.024084	-0.106948	-0.052715	-0.179936
63	-0.07655	-0.068189	0.007575	0.007822	0.107744	-0.053765	-0.02254	0.096788	0.039632	-0.150063
64	0.178349	-0.076601	0.185107	-0.041857	0.066758	0.330709	-0.01613	-0.037596	0.011321	-0.117329
65	-0.026691	-0.069981	0.021382	0.031228	0.128087	-0.019277	-0.003045	0.000783	0.012991	-0.015869
66	-0.009701	-0.000922	0.130013	-0.170243	-0.069817	0.077547	0.09794	0.048649	0.006445	-0.124489
67	-0.041345	0.044093	-0.009046	0.175105	-0.011819	-0.050148	-0.01627	-0.105692	-0.028968	-0.092366
68	0.08295	0.095568	-0.037906	0.019222	-0.097163	-0.318713	-0.120456	0.098857	0.035725	-0.02185
69	0.137724	-0.010727	-0.315461	0.340005	0.014064	-0.044166	0.349428	-0.140274	-0.139131	-0.188386
70	-0.192591	-0.262182	-0.045425	-0.269288	0.233344	0.119095	0.048291	0.088837	0.033075	-0.165046
71	-0.009582	0.129316	-0.190715	-0.14395	0.062199	-0.003544	-0.122476	0.073517	0.083341	-0.057359
72	-0.002115	-0.046441	0.106904	-0.032163	-0.107842	0.068182	0.043118	-0.049895	-0.0445	-0.049807
73	0.040398	0.072139	-0.070798	-0.032169	-0.005265	0.125214	0.007758	-0.007879	0.008778	-0.005966
74	-0.183495	0.135248	-0.078137	-0.083744	-0.019236	-0.127566	0.101115	0.028536	0.005656	-0.009918
75	0.129365	0.134619	-0.029039	-0.095417	0.165639	0.023283	0.01025	-0.632872	0.211195	-0.016086
76	0.200021	0.046075	-0.032296	0.005735	-0.036018	0.112881	0.044988	0.623822	-0.183228	-0.015955
77	-0.349585	-0.236882	0.090309	0.110365	-0.098976	-0.158597	-0.044264	0.004491	-0.033625	-0.013298

Appendix B8

PCA Transformation Matrix (77 x 77; Benign/Malignant)

	A	B	C	D	E	F	G	H	I	J	K	L
1	494.4/184.1>GPCho:Lyso 16:1	-0.000129	-0.058696	-0.079206	-0.080314	-0.325215	0.146202	-0.056446	-0.116835	-0.037161	-0.178955	0.004163
2	496.4/184.1>GPCho:Lyso 16:0	-0.08701	-0.021779	-0.077139	-0.025044	-0.203501	-0.031882	-0.377693	-0.072644	0.176958	0.077568	-0.164888
3	520.4/184.1>GPCho:Lyso 18:2	-0.035401	0.08965	-0.230702	-0.14749	-0.046006	0.127806	-0.18934	-0.081235	0.035557	0.014593	-0.061367
4	522.4/184.1>GPCho:Lyso 18:1	-0.087612	0.030144	-0.112095	-0.077541	-0.263245	0.200313	-0.207387	-0.07802	-0.031191	0.004276	-0.044094
5	524.4/184.1>GPCho:Lyso 18:0	-0.072172	-0.03937	-0.186022	-0.070211	-0.23005	-0.080222	-0.189218	-0.055995	-0.026943	0.045723	-0.149723
6	544.4/184.1>GPCho:Lyso 20:4	0.035229	0.203031	-0.049255	0.041409	-0.132745	-0.05661	-0.07228	-0.170217	0.002495	-0.048128	-0.17568
7	568.4/184.1>GPCho:Lyso 22:6	0.048943	0.180531	-0.118728	0.06724	-0.141831	-0.001784	-0.106963	0.009501	0.210763	0.021123	0.12723
8	570.4/184.1>GPCho:Lyso 22:5	0.067048	0.163024	-0.133092	0.037614	-0.196412	0.004471	-0.064222	-0.001448	0.137812	0.040987	0.083806
9	678.5/184.1>GPCho:28:0	-0.089287	-0.155607	-0.07389	0.001781	-0.1141	-0.039424	0.070948	0.066237	0.239035	-0.237517	-0.137768
10	678.5/184.1>GPCho:28:0a	-0.09203	-0.14219	-0.084238	0.000529	-0.114475	-0.037837	0.069611	0.049091	0.241624	-0.262628	-0.154822
11	704.6/184.1>GPCho:30:1a	-0.173154	0.113144	0.006904	0.074182	0.058846	0.061226	-0.026883	0.08348	-0.024967	-0.01765	-0.035612
12	706.6/184.1>GPCho:30:0a	-0.130607	0.072184	-0.011571	0.084718	-0.07708	0.079515	0.173973	0.221115	0.054793	-0.305713	-0.054185
13	718.6/184.1>GPCho:32:0p, 32:1e	-0.125226	-0.053057	-0.125252	0.174243	0.017076	0.085306	0.101808	-0.010435	0.175384	-0.020604	0.093028
14	730.8/184.1>GPCho:32:2	-0.122379	0.062338	-0.048065	0.020404	0.005501	-0.01112	0.132466	-0.409059	0.061956	0.043249	0.263449
15	732.6/184.1>GPCho:32:1a	-0.101643	-0.055051	0.161767	-0.017506	-0.201895	0.086842	0.141137	-0.118708	-0.023614	-0.205649	0.226382
16	734.6/184.1>GPCho:32:0a	-0.08228	-0.054176	0.217947	0.119447	-0.047052	0.146689	0.067518	0.126018	0.005632	0.026237	-0.07342
17	742.6/184.1>GPCho:34:2p, 34:3e	-0.059436	-0.122226	-0.194401	0.098149	-0.038734	0.042863	0.003771	-0.031874	0.079658	0.102363	0.11582
18	744.6/184.1>GPCho:34:1p, 34:2e	0.096939	-0.020307	-0.237722	0.011803	0.056252	0.190591	0.095324	0.003932	-0.109709	-0.027108	0.056572
19	746.6/184.1>GPCho:34:0p, 34:1e	-0.010414	-0.119808	-0.040273	0.194405	0.007658	0.320273	0.01255	0.039981	-0.218304	-0.02771	-0.023964
20	748.6/184.1>GPCho:34:0e	-0.053032	-0.139507	-0.043757	0.218033	0.026442	0.188505	0.103237	0.010322	-0.083471	-0.067311	-0.088427
21	756.6/184.1>GPCho:34:3a	-0.080715	-0.21412	-0.019707	-0.052984	0.018316	0.014831	-0.049873	-0.052183	-0.035974	0.123684	-0.012466
22	758.7/184.1>GPCho:34:2a	0.119265	-0.092914	0.042623	-0.121501	0.241493	0.068912	-0.050121	0.067994	0.105146	-0.007263	0.079215
23	760.6/184.1>GPCho:34:1a	0.043351	-0.14998	0.215389	0.011899	-0.103379	0.158997	-0.003614	0.045489	0.001878	0.014067	0.105249
24	762.6/184.1>GPCho:34:0a	0.011395	-0.136456	0.205927	0.012127	-0.183264	0.159586	0.081196	0.04515	0.021204	0.073132	0.039532
25	768.6/184.1>GPCho:36:3p, 36:4e	0.141629	0.100214	-0.061222	0.168467	-0.030558	0.05319	-0.054851	-0.000674	-0.169195	0.017493	0.018149
26	770.6/184.1>GPCho:36:2p, 36:3e	0.124804	-0.011571	-0.199363	0.10122	0.003295	0.133313	-0.004053	0.005457	-0.253354	0.024187	0.060149
27	772.6/184.1>GPCho:36:1p, 36:2e	0.019666	-0.179363	-0.165563	0.06285	0.110278	0.110169	0.096413	-0.093904	-0.008013	-0.01806	-0.080323
28	774.6/184.1>GPCho:36:0p, 36:1e	0.012362	-0.165851	-0.118264	0.183619	0.007313	0.018125	0.15991	-0.094157	0.10703	-0.125142	-0.067048
29	782.6/184.1>GPCho:36:4a	0.146913	0.08385	0.133873	0.064858	0.014465	-0.10662	0.148504	-0.12701	0.008656	-0.062246	-0.170789
30	784.6/184.1>GPCho:36:3a	0.176958	-0.032158	-0.008367	-0.062149	-0.066186	-0.101613	0.11944	-0.118029	-0.081843	-0.082011	-0.143873
31	786.6/184.1>GPCho:36:2a	0.130521	-0.091539	-0.137165	-0.16184	0.04013	0.01383	0.046922	0.02845	-0.069077	-0.023385	0.007018
32	788.6/184.1>GPCho:36:1a	-0.031539	-0.215708	-0.053761	-0.098307	-0.118108	-0.047112	-0.000654	0.044079	-0.136322	0.032165	0.103154
33	790.8/184.1>GPCho:36:0	-0.054828	-0.208969	-0.053669	-0.002343	-0.167993	-0.047046	0.023401	0.049809	-0.11688	0.064511	0.151711
34	792.6/184.1>GPCho:38:5p, 38:6e	0.110978	0.063429	-0.121441	0.195431	-0.086622	0.054479	-0.092615	0.110212	0.099608	0.060785	0.208935
35	794.6/184.1>GPCho:38:4p, 38:5e	0.141025	0.100214	-0.048384	0.187585	-0.012683	0.086878	-0.065988	0.00734	-0.158429	0.026718	0.058755
36	796.6/184.1>GPCho:38:3p, 38:4e	0.138463	0.066052	-0.044464	0.226955	0.0138	0.046501	-0.028539	-0.044829	-0.163074	-0.010679	-0.075537
37	798.6/184.1>GPCho:38:2p, 38:3e	0.06589	-0.145504	-0.009417	0.24681	0.034346	-0.045268	-0.022546	-0.086919	-0.035113	0.053535	-0.15551
38	800.6/184.1>GPCho:38:1p, 38:2e	-0.086354	-0.114182	-0.167387	0.177683	0.078777	-0.015738	0.064998	-0.089831	0.092909	-0.011173	-0.043688
39	808.6/184.1>GPCho:38:5a	0.17555	0.074953	-0.010645	0.085577	-0.093165	-0.097506	0.116856	-0.024784	0.110003	-0.00423	0.02651
40	810.6/184.1>GPCho:38:4a	0.161877	0.063152	0.063907	0.071418	-0.051121	-0.172385	0.163399	-0.117482	-0.08565	-0.025937	-0.143522
41	812.6/184.1>GPCho:38:3a	0.085504	-0.01814	0.035041	0.064433	-0.153962	-0.320601	0.132135	-0.147255	-0.225884	0.016592	-0.143745

	A	B	C	D	E	F	G	H	I	J	K	L
42	814.6/184.1>GPCho:38:2a	-0.185246	0.031044	0.031157	0.10859	0.010055	-0.069282	-0.043843	0.082383	-0.124369	0.033207	0.011071
43	816.6/184.1>GPCho:38:1a	-0.15907	-0.079398	-0.096091	0.019827	0.027155	-0.190093	-0.054395	0.178491	-0.056975	0.022312	0.050143
44	820.6/184.1>GPCho:40:5p, 40:6e	0.143104	0.072117	-0.099549	0.20043	-0.028926	0.030025	-0.014316	0.050581	0.134961	0.018067	0.162267
45	822.6/184.1>GPCho:40:4p, 40:5e	0.087309	-0.070596	0.013578	0.27446	0.030927	-0.023208	-0.086056	0.041981	0.115267	0.175462	0.089027
46	824.6/184.1>GPCho:40:3p, 40:4e	0.057167	-0.131622	0.039078	0.268798	0.033	-0.04	-0.109298	0.066486	-0.003981	0.139845	-0.027858
47	826.6/184.1>GPCho:40:2p, 40:3e	-0.091879	-0.209665	0.038864	0.069827	0.049432	-0.043501	-0.076178	-0.011951	0.077892	0.119714	-0.089207
48	828.6/184.1>GPCho:40:1p, 40:2e	-0.107427	-0.17873	0.010651	0.076305	0.057404	-0.00499	-0.054898	-0.011913	0.163634	0.026699	-0.196016
49	834.6/184.1>GPCho:40:6a	0.15106	0.082718	-0.036399	0.095362	-0.133312	-0.068765	0.068664	0.087648	0.204945	0.010444	0.198165
50	836.6/184.1>GPCho:40:5a	0.11837	-0.046889	0.022464	0.112527	-0.158368	-0.236736	0.059581	0.132954	0.20526	0.143012	0.119619
51	838.6/184.1>GPCho:40:4a	0.05514	-0.160041	0.068672	0.076616	-0.13061	-0.264448	0.029229	0.051083	-0.000758	0.152681	-0.044257
52	701.5/184.1>SM:18/16:1	-0.154006	0.104622	-0.042907	0.040827	0.046078	0.048991	-0.000407	-0.153422	0.054024	0.059253	-0.074896
53	703.5/184.1>SM:18/16:0	-0.172215	0.116356	0.00619	0.048473	0.061736	0.060119	-0.051175	0.053735	0.019552	-0.023826	-0.113853
54	703.8/184.4>SM:d18:1/16:0	-0.168	0.121974	-0.004951	0.084245	0.068076	0.053896	-0.051021	0.071455	-0.043468	-0.002447	-0.041554
55	705.8/184.4>SM: d18:0 / 16:0	-0.168532	0.126145	0.014835	0.072292	0.033491	0.023535	0.019634	0.124984	-0.033711	-0.07375	-0.03628
56	727.6/184.1>SM:18/18:2	-0.121927	-0.021783	-0.088814	0.019708	0.143516	-0.058827	0.10061	-0.313354	-0.017845	0.070376	0.09422
57	729.6/184.1>SM:18/18:1	-0.156668	0.073842	0.027047	0.046577	0.058077	-0.020699	0.019972	-0.318957	0.061048	0.134957	0.167071
58	731.6/184.1>SM:18/18:0	-0.175259	0.072191	0.094288	0.035757	0.037186	-0.051833	0.027486	-0.115914	0.025051	0.001145	0.152315
59	731.8/184.4>SM: d18:1 / 18:0	-0.173623	0.074809	0.094321	0.045825	0.038996	-0.051111	0.031591	-0.108665	0.003134	0.006108	0.167776
60	733.8/184.4>SM: d18:0 / 18:0	-0.131513	-0.00651	0.166545	-0.002229	-0.13341	-0.028746	0.12208	-0.018912	0.001337	-0.222642	0.208608
61	757.6/184.1>SM:18/20:1	-0.117641	-0.16962	-0.059824	-0.030624	0.041644	0.022326	-0.022087	-0.170098	-0.039092	0.163666	0.040942
62	759.6/184.1>SM:18/20:0	0.124897	-0.061331	0.010236	-0.157089	0.219889	0.087661	0.02051	0.070827	0.192414	0.072206	0.041926
63	759.8/184.4>SM: d18:1 / 20:0	0.118216	-0.047893	-0.005912	-0.17547	0.212083	0.094627	0.061741	0.065769	0.182854	0.093674	0.03995
64	761.8/184.4>SM: d18:0 / 20:0	0.021081	-0.131135	0.196769	0.007055	-0.182376	0.17157	0.047821	0.02208	0.017652	0.097475	0.068935
65	773.6/184.1>SM:18/21:0	-0.014448	-0.048459	-0.246804	0.089268	0.081395	-0.018361	0.223284	-0.081174	0.161013	-0.140947	-0.090414
66	787.6/184.1>SM:18/22:0	0.052529	-0.053699	-0.2447	-0.162527	0.021716	-0.071111	0.13016	0.077782	-0.089869	-0.052939	0.112422
67	787.9/184.4>SM: d18:1 / 22:0	0.004026	-0.025215	-0.269455	-0.13925	0.006788	-0.122713	0.132454	0.089559	-0.139725	-0.011954	0.125227
68	789.9/184.4>SM: d18:0 / 22:0	-0.039355	-0.198995	-0.051735	-0.077678	-0.172573	-0.049793	0.026017	0.024945	-0.164419	0.02623	0.133348
69	813.6/184.1>SM:18/24:1	-0.177907	0.082439	0.028597	0.110397	0.016702	-0.060322	-0.005585	0.057098	-0.111421	0.006995	0.0256
70	813.9/184.4>SM: d18:1 / 24:1	-0.175834	0.082881	0.024977	0.108615	0.020803	-0.046938	0.011989	0.072709	-0.108588	0.022504	0.024313
71	815.6/184.1>SM:18/24:0	-0.137852	0.086642	-0.109185	0.077986	0.019379	-0.160603	0.043108	0.200582	-0.084091	-0.024127	0.063998
72	815.9/184.4>SM: d18:0 / 24:1	-0.135148	0.100213	-0.115323	0.027508	0.059423	-0.168358	0.001333	0.188827	-0.04168	-0.069347	0.012353
73	817.9/184.4>SM: d18:0 / 24:0	-0.072215	-0.141226	-0.097039	0.001602	0.092634	-0.210193	-0.180503	0.118511	-0.068445	-0.121668	0.192711
74	841.9/184.4>SM: d18:1 / 26:1	-0.11995	-0.177811	0.045612	0.015226	0.048058	-0.163273	-0.091346	-0.017292	0.003289	0.071912	-0.050026
75	843.9/184.4>SM: d18:0 / 26:1	0.109162	-0.097996	0.068406	0.06598	0.14086	-0.086265	-0.284224	-0.106825	-0.010453	-0.327268	0.112458
76	843.9/184.4>SM: d18:1 / 26:0	0.108215	-0.099384	0.066338	0.067251	0.138374	-0.089251	-0.283874	-0.105755	-0.017357	-0.324097	0.126997
77	845.9/184.4>SM: d18:0 / 26:0	0.113277	-0.095496	0.088438	0.103261	0.088014	-0.042373	-0.262985	-0.115074	-0.038981	-0.326076	0.120408

	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	0.192651	-0.026922	0.132186	-0.009052	0.194108	-0.156947	0.240041	-0.097007	0.073704	-0.022749	0.049972	-0.107673	0.109679	-0.215322
2	0.049926	0.08794	0.096685	0.104465	-0.083037	0.186499	0.217644	-0.240594	0.229551	0.01399	0.075826	-0.066948	-0.185305	0.131194
3	-0.063905	-0.142398	0.038138	0.100669	0.128091	-0.020883	-0.042525	-0.085697	-0.194833	-0.138825	0.040948	0.070403	-0.056694	-0.019504
4	0.026327	-0.125785	-0.023457	0.148391	0.054863	-0.033966	-0.085704	-0.025521	0.036646	-0.037348	-0.036789	0.131123	0.017906	-0.069155
5	-0.219674	0.06325	-0.075577	-0.009665	-0.152689	0.161044	0.11093	-0.071016	0.142134	-0.080367	0.054874	0.068592	0.105519	-0.064475
6	-0.059425	-0.11106	0.158307	0.082805	-0.149108	-0.07047	-0.092184	0.146147	-0.157097	0.153829	0.075888	-0.213111	0.214187	0.077905
7	-0.055741	-0.189753	0.064887	-0.108367	0.0641	-0.105135	-0.097784	0.135294	-0.124541	0.030069	-0.036287	-0.076599	0.031516	0.214304
8	-0.042489	-0.178987	0.027505	-0.024094	0.094151	-0.129969	-0.004214	0.104208	-0.148643	0.218488	-0.0403	0.00637	0.001136	0.010549
9	0.050609	0.303066	0.001432	-0.035187	0.018171	0.011685	-0.242157	-0.090874	-0.041933	0.092776	-0.118123	-0.098437	-0.00507	0.071154
10	0.044671	0.310788	-0.030368	-0.006794	0.021769	0.004776	-0.288927	-0.081291	0.036817	0.121497	-0.037778	-0.088162	0.040816	0.077351
11	-0.017129	0.063594	-0.123675	0.051059	0.000761	-0.065808	0.127129	0.118318	-0.071203	0.009405	-0.040267	0.145855	-0.04833	0.010382
12	-0.054311	0.248116	0.134392	0.071084	0.119114	-0.093296	0.232345	0.047646	-0.042915	0.100898	0.037178	0.113728	-0.027216	0.054156
13	-0.003729	-0.015758	-0.149677	-0.02969	-0.134771	-0.026235	-0.166298	-0.212331	-0.064565	-0.150466	0.488435	0.119708	0.235576	-0.215191
14	0.091951	0.215292	-0.029704	0.129959	0.104073	0.083005	0.043417	0.04074	-0.001538	0.122203	0.181332	-0.176421	-0.031146	0.185436
15	0.022701	-0.011727	0.149517	-0.061501	0.172095	0.024038	0.034705	0.132325	-0.021071	-0.12019	0.095666	-0.098604	-0.056392	-0.049836
16	-0.175389	-0.009537	-0.015331	0.001388	-0.232096	-0.156082	0.366881	-0.071484	0.070781	-0.09013	-0.013327	-0.23163	0.068678	0.343029
17	0.24733	0.114793	0.004623	-0.276936	-0.308704	0.220921	0.159489	0.059113	-0.260384	0.056513	-0.050714	0.276032	0.201678	-0.031059
18	0.141499	0.11746	-0.107699	0.101271	0.082727	0.196968	0.07248	0.038062	-0.066226	0.204807	0.068251	0.058906	-0.176333	0.133352
19	-0.066011	-0.048073	-0.131996	0.004588	0.044209	-0.166618	-0.045141	-0.124509	-0.14015	0.016061	0.229262	-0.117802	-0.08544	-0.055664
20	-0.166062	-0.1634	-0.000545	0.029932	-0.135515	-0.120442	-0.083579	-0.231333	-0.055692	-0.070735	0.094063	-0.001623	-0.204936	0.145649
21	0.026476	0.041237	0.238247	-0.259437	-0.045461	-0.140641	0.064726	0.06581	-0.020541	0.102495	-0.001577	-0.011884	-0.1511	-0.131127
22	0.035298	0.081105	0.031042	-0.049098	0.077336	-0.061659	0.026967	0.118998	0.288292	-0.096763	0.168225	0.111503	0.128778	-0.089467
23	0.152515	-0.084668	-0.119064	0.024548	-0.015288	0.010503	-0.130465	0.088193	0.241298	-0.014641	-0.047226	0.01527	0.025159	0.016588
24	0.145472	-0.086305	-0.107445	0.079385	-0.051157	0.035945	-0.069597	-0.039653	0.038799	0.091083	-0.091544	-0.03104	0.013475	0.178057
25	0.06093	0.232523	0.049805	0.05332	-0.205272	0.013269	-0.090118	-0.025952	0.093688	-0.072197	-0.049426	-0.156147	-0.036088	-0.053356
26	0.172621	0.158457	0.034381	-0.002452	0.089752	0.053873	-0.00095	-0.015348	-0.008937	-0.048921	-0.043198	0.07679	-0.087921	0.00439
27	-0.15155	-0.134555	0.091703	-0.108892	0.022828	0.017507	0.127608	-0.014817	-0.017506	0.279951	0.011986	0.025019	-0.096004	0.100485
28	-0.049263	-0.27166	-0.007439	0.138993	0.003938	0.111739	-0.019664	0.11241	0.155525	0.018277	-0.049018	0.110278	0.064788	-0.021359
29	0.047668	0.029955	0.128309	0.078314	-0.259993	-0.01002	-0.0066	0.030611	-0.03197	0.144662	0.051541	0.012482	0.078377	-0.013868
30	0.108672	0.035591	0.103144	-0.067493	0.164334	-0.063356	-0.061983	-0.07488	-0.090316	-0.204603	-0.023898	0.165648	-0.172674	0.20615
31	-0.249386	0.126587	-0.122847	-0.101163	0.14587	-0.038842	-0.024743	0.119068	0.066536	-0.006714	0.118752	-0.040763	0.122946	0.0475
32	-0.160228	0.019973	-0.097147	0.04063	0.004039	-0.093093	-0.054204	0.178813	0.035601	0.108276	0.017471	-0.041789	-0.031191	0.102599
33	-0.060069	0.004492	-0.000751	0.014881	-0.131143	-0.005975	0.045587	0.125696	-0.002678	0.073425	-0.025992	0.085435	0.095863	0.09082
34	-0.020003	0.146957	0.004378	-0.254523	-0.132036	-0.003043	0.021621	0.025649	0.15855	-0.248669	-0.129284	0.031315	-0.132038	0.126817
35	-0.05448	0.15954	0.076639	0.009468	-0.011932	-0.07424	-0.042311	-0.039977	0.032304	0.067566	-0.095539	-0.175819	-0.00619	-0.205657
36	-0.017517	0.075696	0.161801	0.123338	-0.086216	0.093311	-0.15063	-0.039911	0.012517	-0.029131	-0.09507	-0.001274	-0.055026	-0.132629
37	0.027996	-0.004115	0.17628	0.086968	0.229247	0.118742	0.050003	0.106562	-0.078571	-0.172047	-0.069453	0.198914	0.069064	0.224723
38	0.139491	-0.124864	-0.071122	-0.105399	0.037257	0.00428	0.151994	0.161068	0.103899	-0.058541	-0.125844	-0.154043	0.25515	-0.023336
39	0.004907	-0.028807	-0.00628	-0.043964	-0.053284	-0.12901	-0.002929	0.045983	-0.044559	0.157826	-0.035676	0.094484	-0.148926	-0.114292
40	-0.073474	0.01956	0.046447	-0.009484	-0.21417	-0.047609	0.046818	0.027826	-0.000862	0.066979	0.096364	-0.013173	0.057304	-0.12494
41	0.141781	-0.032428	-0.161143	-0.226888	0.140466	0.018991	0.074725	-0.10093	-0.140582	-0.269021	0.147749	-0.015071	-0.008781	0.175098

	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
42	0.024028	-0.094544	-0.01286	-0.184068	0.171434	0.065061	-0.042984	-0.114215	0.045357	0.199171	0.01331	-0.1005	0.046136	0.077587
43	0.110545	-0.059182	0.0768	0.067567	-0.03132	-0.132009	-0.027671	0.101415	0.092331	0.022984	0.135699	-0.108336	-0.065103	0.084824
44	-0.101147	-0.009286	0.069039	-0.028075	0.041503	-0.017115	-0.045292	0.008162	0.079407	-0.002493	-0.003776	-0.007169	-0.128544	0.03676
45	-0.109184	0.085775	0.143221	0.174784	0.288715	0.027366	-0.004564	-0.015941	-0.028405	0.015659	0.09621	0.027855	0.251134	0.021496
46	-0.048776	0.087257	0.079516	0.206367	0.139692	0.068975	0.041928	0.12186	-0.006041	-0.054072	0.014407	-0.208934	0.098757	-0.092041
47	-0.052934	0.037153	0.063916	-0.07963	0.067185	0.0169	-0.012406	0.076891	-0.117509	-0.04715	-0.065269	-0.100567	0.050059	-0.023258
48	-0.111688	-0.04849	0.028553	-0.105248	0.042224	0.015002	-0.225485	0.149374	-0.133445	-0.238146	-0.180116	-0.105663	-0.130561	-0.108391
49	-0.077876	-0.017239	-0.024957	-0.150467	-0.041301	-0.147726	0.020295	-0.114841	-0.054757	-0.13766	-0.045235	-0.010181	-0.038089	0.044723
50	-0.021764	0.010055	-0.238792	0.064738	0.09262	-0.09118	0.123055	-0.14895	-0.054248	0.099011	0.02965	0.056312	-0.162529	-0.143278
51	0.037799	0.028428	-0.179663	0.220055	0.135454	-0.00965	0.131914	-0.029812	-0.052233	0.148361	-0.027049	0.009591	-0.126247	-0.215135
52	0.159524	0.145885	-0.302713	0.072198	-0.016577	-0.184847	0.146579	0.14467	-0.162412	-0.203542	-0.093983	-0.209195	0.01937	-0.019366
53	-0.047792	0.060609	-0.170501	0.022624	0.03399	-0.086723	-0.019509	0.133321	-0.143301	-0.029106	-0.084192	0.060147	-0.126953	-0.045309
54	-0.004732	0.049561	-0.097036	0.025462	-0.00089	-0.01711	0.09755	0.082994	-0.093178	0.042036	-0.116766	0.120363	0.001888	-0.010472
55	-0.0541	0.066722	0.013905	0.069672	0.01738	0.010088	0.18107	-0.02195	-0.113904	0.01881	-0.102585	0.122074	0.04553	-0.116818
56	-0.049291	0.057531	0.045973	0.112738	0.060215	-0.463055	-0.023971	-0.327382	0.234503	0.022716	-0.3918	0.243498	0.181662	0.046888
57	-0.008641	0.083293	-0.139795	0.139227	-0.071812	0.002124	-0.117636	0.021607	0.000098	-0.067803	0.072945	-0.080946	-0.088229	0.037464
58	-0.197411	-0.000497	0.056922	0.025754	-0.008052	0.219053	-0.049428	0.003779	0.007288	-0.004213	-0.008551	0.059659	-0.168435	0.046522
59	-0.182199	0.001182	0.082905	0.015456	-0.012903	0.245142	-0.019706	-0.013161	0.029732	0.018765	-0.011385	0.072485	-0.129528	0.053125
60	-0.111598	-0.002527	0.283513	0.039928	-0.001608	0.092894	0.128095	-0.013956	-0.103993	-0.238478	-0.06387	-0.004651	-0.012327	-0.257974
61	0.103229	0.042656	0.183085	-0.199976	-0.071829	-0.17418	-0.009963	0.088722	-0.010552	0.114735	-0.023286	-0.140807	-0.225674	-0.161604
62	0.083305	-0.056214	0.082963	0.086269	0.013114	0.016188	0.104796	-0.149208	-0.207407	-0.016817	-0.014406	-0.161651	-0.103874	-0.031594
63	0.114581	0.015464	0.171137	0.114236	-0.025647	0.065766	0.060151	-0.18947	-0.212777	0.013467	-0.015809	-0.105904	0.088065	0.072327
64	0.199539	-0.113173	-0.040419	0.153133	-0.108982	0.09458	-0.131671	-0.111872	-0.149007	-0.037293	-0.208311	0.011985	0.054878	-0.016771
65	0.063619	-0.28838	-0.050395	0.108711	-0.090753	0.101774	0.150023	0.062487	0.200278	-0.055214	-0.029138	-0.056732	-0.218558	-0.131822
66	-0.209854	0.01617	-0.133867	0.012551	0.001113	0.115222	-0.016166	-0.026349	0.002636	-0.10932	-0.154246	-0.238713	0.035221	-0.100483
67	-0.112906	-0.046791	0.021115	0.113532	-0.044199	0.11563	0.049222	-0.188119	-0.123992	-0.08213	-0.199434	-0.188312	0.129152	0.06667
68	-0.108075	0.024081	-0.015048	0.178652	-0.129206	-0.020191	-0.093387	0.144628	-0.16052	0.024603	-0.088099	0.103255	0.041315	0.00318
69	0.027887	-0.091244	-0.012828	-0.181103	0.106002	0.085007	-0.111639	-0.167578	-0.001051	0.098512	-0.014791	-0.084333	0.048213	-0.062062
70	0.042938	-0.088864	0.035163	-0.199447	0.095723	0.104497	-0.093932	-0.227098	-0.009249	0.155392	-0.052056	-0.02946	0.161875	-0.011635
71	0.276513	-0.13996	0.062924	0.042624	0.027733	0.049063	0.023858	-0.059968	0.130679	-0.007603	-0.055478	-0.15839	-0.039431	-0.004887
72	0.240848	-0.065821	0.056464	0.173077	-0.072614	-0.072824	-0.182876	0.126416	0.091904	-0.09445	0.066008	0.047699	-0.083952	0.042228
73	0.111075	-0.037296	0.206531	0.18641	-0.173092	-0.246733	-0.017157	0.015178	-0.131311	-0.08561	0.184778	0.066915	0.006425	0.150382
74	-0.076418	0.052927	0.034127	0.018834	-0.036375	-0.03845	0.011209	-0.170795	-0.081635	0.011103	0.085087	0.065537	-0.13961	-0.081212
75	-0.002361	-0.035321	-0.133695	-0.023949	-0.027928	0.019512	0.048693	-0.031202	-0.055388	0.06207	-0.043501	-0.012806	0.0228	0.017444
76	0.001949	-0.038813	-0.125528	-0.011701	-0.02505	0.017387	0.077189	-0.063414	-0.070332	0.060503	-0.05031	-0.038784	0.014709	0.016422
77	0.035516	-0.071477	-0.171028	-0.04208	-0.03031	0.013297	0.022656	-0.013598	-0.078902	0.063237	-0.113335	-0.014441	-0.032665	-0.016851

	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN
1	0.141044	-0.064019	0.032028	-0.01237	0.187379	-0.160749	0.177897	-0.130456	0.126093	-0.166465	0.17313	-0.205866	0.025392	-0.021211
2	0.086978	-0.129158	-0.232279	0.151278	-0.091795	-0.054948	-0.090216	0.211898	0.144305	0.083667	-0.012064	-0.093537	-0.060907	0.140419
3	-0.049344	0.227232	0.140707	-0.205486	-0.061684	0.270634	-0.09812	-0.165858	-0.171491	-0.02704	-0.073175	-0.153412	-0.107291	-0.165436
4	-0.132722	-0.011736	0.059005	-0.163277	-0.12167	0.049177	0.145483	-0.182638	-0.075964	-0.00964	0.050119	0.092605	0.08517	-0.092753
5	-0.038591	-0.234493	0.141676	-0.022189	0.107883	0.015277	-0.143622	0.105843	-0.100429	-0.030856	-0.062908	0.200383	0.049855	0.015364
6	0.018686	0.248588	-0.150681	-0.053977	-0.138406	-0.088273	0.181357	-0.022339	-0.003568	-0.01901	-0.146029	0.057432	0.122903	-0.062268
7	0.042387	0.091344	-0.198509	0.103048	-0.034195	-0.056417	-0.010837	-0.029114	0.014637	0.026637	0.086112	0.178625	-0.270194	0.133806
8	0.026004	0.017647	0.089583	0.274982	0.191857	0.289127	-0.067262	0.248018	-0.066502	-0.023073	0.035695	0.019306	0.185678	-0.014359
9	-0.160835	0.091716	0.030977	-0.008104	0.02178	-0.015128	0.040397	-0.008516	-0.052053	-0.101875	0.02209	0.065787	0.030287	0.124865
10	-0.118758	0.124435	0.126632	-0.022013	0.098429	0.046408	0.041989	0.031029	-0.050738	-0.067474	0.089611	0.015529	-0.091226	-0.009182
11	-0.043656	-0.038283	0.073728	0.209476	-0.107053	-0.168751	0.137792	-0.055549	-0.044004	0.077516	0.160511	-0.137712	-0.1662	-0.064767
12	-0.026474	-0.083331	-0.007262	-0.043195	-0.240282	0.118639	-0.133969	-0.085416	0.059946	0.149336	-0.125499	-0.016715	0.11777	-0.117844
13	0.218443	0.115579	0.080101	0.297847	-0.180154	0.070718	0.101851	0.139664	0.19752	0.022519	-0.091898	0.039941	-0.050399	0.014526
14	-0.164423	-0.229672	-0.152413	0.020292	0.019586	0.009346	-0.004861	-0.145897	0.051335	0.029233	-0.086049	-0.092127	-0.012811	-0.196701
15	0.067515	0.069773	-0.07944	0.095603	0.292903	-0.081109	0.0246	0.047271	-0.101437	0.053747	-0.004915	-0.036716	-0.104407	0.084852
16	0.042964	0.072743	0.150403	0.058773	0.051048	0.196082	0.238722	-0.022385	-0.208867	-0.212081	0.006213	-0.029176	0.126438	-0.038543
17	-0.029926	0.008691	-0.175739	-0.139681	0.153095	0.082153	0.195415	-0.109808	-0.224883	0.222262	0.035784	-0.118189	0.08308	0.167602
18	0.32076	0.001125	-0.166168	-0.194274	-0.081209	0.031584	0.063063	0.037608	-0.028648	-0.204244	-0.175217	0.212806	0.025042	-0.08775
19	-0.110529	-0.13362	-0.118762	-0.035639	0.066116	-0.110102	-0.036723	0.240975	-0.347821	-0.007172	0.057762	0.075283	-0.257802	0.039856
20	-0.230613	-0.066753	-0.208352	-0.091925	0.159111	0.116864	-0.037682	-0.018759	0.124669	0.088088	-0.123135	-0.125324	0.108012	-0.017917
21	-0.104365	0.059844	0.165871	0.054207	-0.134197	-0.013883	0.063138	0.018059	0.039625	0.032497	-0.169584	0.076061	-0.107314	-0.072413
22	-0.195645	0.07301	-0.046508	0.012259	0.095522	0.147554	0.049266	0.010656	0.007852	-0.14832	0.037556	0.051592	0.052423	-0.011516
23	-0.004092	-0.000428	-0.047662	0.00118	0.03869	0.062496	-0.024497	-0.088252	0.021656	0.116096	-0.120027	0.173768	0.116454	0.051725
24	0.242556	0.004944	0.157218	0.059631	-0.088479	0.008771	-0.050229	-0.102152	0.022859	0.160595	-0.013974	-0.06746	-0.058847	-0.035598
25	0.175752	0.208972	0.072845	0.064452	-0.036852	-0.053038	-0.134039	-0.08218	0.058278	-0.030754	-0.111084	-0.09212	0.13324	-0.047971
26	0.141022	0.098498	0.065894	0.100235	-0.047854	0.083995	-0.003088	0.053255	0.028471	-0.3075	0.07096	0.060822	0.065684	0.133738
27	0.129618	-0.061473	0.137934	0.097598	0.036208	0.084937	-0.021351	-0.195146	0.184532	0.01512	0.240526	0.245563	0.064245	0.099531
28	-0.034702	0.077321	0.056292	-0.053893	-0.034564	0.02106	-0.095828	-0.019616	0.19838	0.000936	-0.043439	-0.32799	-0.037695	-0.052666
29	0.158879	-0.080319	0.029583	-0.141189	-0.034761	-0.069834	-0.003651	0.126917	-0.142024	0.039492	0.078245	-0.058016	-0.263049	-0.079439
30	0.041053	-0.069954	0.101016	0.159488	-0.228024	-0.055419	0.054294	0.172716	-0.229104	0.309852	-0.004389	0.037675	0.141982	0.012912
31	0.091363	-0.031601	-0.129461	0.035783	-0.007977	0.007808	-0.169154	-0.223879	-0.120546	0.11721	0.037114	-0.014288	-0.020281	0.009763
32	0.103894	0.129962	-0.016852	-0.111	0.003512	-0.054888	-0.091383	0.1311	0.138193	0.006074	0.046338	-0.038528	-0.036639	0.165663
33	-0.127912	0.108544	-0.114744	-0.145575	-0.090697	0.066317	-0.061654	0.174082	0.198427	0.025795	0.038132	-0.052206	-0.034463	-0.045758
34	0.004094	0.152648	-0.041415	-0.063148	0.052067	-0.037201	0.026494	0.057793	0.007858	0.052569	0.097201	-0.043278	-0.114263	-0.42041
35	0.001387	0.10483	-0.009651	-0.012236	0.079759	-0.06196	-0.125796	0.041003	-0.058581	0.101739	-0.038719	-0.232958	0.188039	0.152356
36	-0.187211	-0.006812	-0.036548	0.104351	0.004476	0.152414	-0.079645	-0.139737	0.023109	0.013911	0.256628	0.041509	-0.13092	0.174038
37	0.01254	-0.0383	0.165616	0.029198	0.086444	0.035626	-0.011644	-0.026149	0.03063	-0.100991	-0.053765	-0.162949	-0.257259	0.118289
38	-0.020098	-0.059444	0.013534	0.115786	-0.190517	-0.038328	-0.379718	0.067223	-0.27673	-0.14138	-0.03919	-0.102542	0.062588	-0.03179
39	0.029552	-0.243447	0.108639	-0.006561	0.157073	0.208391	0.009255	0.149157	0.035691	0.000969	-0.025495	-0.026465	0.174735	-0.122486
40	0.039857	-0.109933	-0.019581	-0.101373	0.069951	0.072618	0.014562	-0.143108	0.095245	-0.095644	0.040057	0.038732	-0.125205	0.031168
41	-0.158507	0.185026	-0.051591	0.006934	0.000418	0.011646	0.041489	0.016443	0.217169	-0.095991	0.022675	0.05594	0.13514	-0.061038

	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN
42	0.051622	0.064698	-0.046003	-0.081218	-0.055303	-0.023902	-0.113831	-0.032747	0.006743	0.084457	0.134956	-0.04352	0.017797	-0.065718
43	0.078453	0.140246	0.056437	-0.094261	-0.027853	0.14229	-0.002318	0.028155	-0.053796	0.086309	-0.001144	-0.120595	-0.113063	0.137471
44	-0.047085	-0.041889	0.077586	0.040013	0.006276	-0.074236	0.040387	-0.069588	0.150407	0.194189	0.188798	0.051277	0.034667	-0.12614
45	0.006389	-0.087599	0.252453	-0.289381	0.112731	-0.191804	0.151142	0.195351	0.022944	0.1383	-0.122685	0.062995	0.131197	0.040711
46	-0.077969	-0.013565	-0.133519	0.079969	-0.152819	0.059994	0.180414	-0.087044	-0.051241	0.059182	-0.021211	0.225234	-0.00715	-0.123026
47	0.220014	0.015197	-0.061311	0.061777	0.04659	0.087823	0.008234	-0.114349	0.024986	-0.056197	0.07632	0.076853	-0.008991	-0.068076
48	0.213703	-0.250976	-0.281809	-0.043655	0.019662	0.066172	0.055294	-0.000796	0.044082	-0.134688	-0.074647	-0.064605	0.172959	-0.052313
49	-0.016473	-0.217461	0.024885	-0.137965	-0.179952	-0.206846	-0.047331	-0.185844	0.005849	-0.298384	-0.076688	0.061498	-0.113279	0.167007
50	0.00292	0.07702	0.00904	-0.090339	-0.049928	0.013454	-0.114391	-0.150227	-0.11388	-0.121616	-0.13001	-0.081289	-0.044826	0.12987
51	-0.078049	0.164153	-0.197456	0.206228	0.026663	0.08413	0.081499	-0.023403	-0.162153	0.037894	0.04658	-0.049993	0.01515	-0.09088
52	0.020838	0.008132	0.169248	-0.257016	0.087759	0.065387	-0.216809	0.147761	0.179074	0.205821	0.200366	0.20534	0.029286	0.110575
53	0.155154	0.017778	0.025325	0.054399	0.081379	-0.150814	0.122158	-0.022225	0.114942	-0.012974	-0.099109	-0.166248	0.049613	0.09149
54	-0.201614	0.054869	-0.097311	0.163215	0.165393	-0.140534	0.039696	-0.009832	0.191862	-0.06633	-0.147338	0.085848	-0.016633	0.061239
55	0.00067	0.009924	0.006611	0.06661	-0.110426	-0.004726	-0.063008	-0.041857	0.083844	-0.026677	0.013687	0.077168	-0.080098	-0.064071
56	0.14259	0.083679	-0.23385	-0.021841	-0.019157	0.039151	0.104368	0.095603	-0.040847	0.003777	-0.018925	0.084986	-0.032289	0.030176
57	-0.033186	-0.080959	0.148498	0.061945	-0.061237	0.158384	-0.007525	-0.140128	-0.054332	-0.065857	0.141075	-0.070136	0.012884	0.017198
58	0.079644	0.132042	0.105549	-0.032385	0.013957	-0.01626	0.045912	0.06546	-0.122868	-0.090958	-0.023308	-0.051798	0.098444	0.136845
59	-0.034509	0.111619	0.062323	0.004292	0.004655	-0.02651	0.03778	0.072328	-0.118796	-0.15315	0.059812	0.033823	0.078459	0.122298
60	0.094474	0.065998	-0.127203	-0.094659	-0.112652	0.194577	-0.1787	0.092375	0.009112	0.056112	0.006457	0.182722	-0.026329	0.004307
61	-0.126767	-0.040467	0.213662	0.065169	-0.12023	-0.042776	0.031762	0.004592	0.031247	-0.006253	-0.275398	0.004518	-0.095362	-0.026314
62	-0.048811	0.047876	-0.060971	-0.210907	-0.100267	-0.013476	0.064253	0.164461	0.126318	-0.040078	0.089556	-0.159683	0.006673	0.074974
63	-0.053063	0.079349	-0.030259	0.179152	0.086678	-0.03051	-0.1967	0.089221	0.029395	-0.089431	0.14505	-0.015829	0.058001	-0.163095
64	-0.025341	-0.057779	0.070874	0.067615	-0.04345	-0.076092	-0.055607	-0.108256	0.025154	0.035382	-0.031295	0.122965	0.018806	0.003155
65	-0.072745	0.211407	0.014615	-0.038079	0.023742	-0.343592	0.055348	0.002711	-0.132553	0.058516	0.073562	0.201912	0.127526	-0.014834
66	0.084697	-0.162904	0.045781	0.059972	-0.173625	0.073367	0.362337	0.032616	-0.004624	0.1691	0.153773	-0.187755	0.01322	0.036224
67	-0.021932	-0.004218	0.117245	0.165892	0.277488	-0.046651	-0.043173	-0.100662	0.046827	0.123775	-0.378267	0.086325	-0.153855	-0.026267
68	-0.119424	-0.09504	0.037771	0.034776	-0.115379	-0.180413	-0.002508	0.231191	0.053631	-0.268624	0.207724	-0.020958	0.030138	-0.24045
69	-0.020552	-0.031507	0.045873	-0.090489	-0.103531	-0.050951	-0.007815	-0.012194	-0.022392	-0.017385	0.025692	0.017668	0.187266	-0.048793
70	0.000547	-0.117778	-0.013282	-0.031846	0.011122	-0.066472	-0.081941	0.022753	-0.003813	-0.065224	0.100995	-0.091203	0.029166	-0.145513
71	-0.060895	-0.123873	0.046421	-0.09539	-0.031088	0.269176	0.213445	0.05586	0.063968	-0.031554	0.047991	0.109414	-0.165827	0.102756
72	0.156188	-0.165995	-0.028399	0.011226	0.231985	0.015699	-0.016844	0.035718	-0.087364	-0.074382	-0.078806	0.020239	-0.042519	-0.211298
73	-0.01202	-0.119727	-0.017433	0.063798	-0.040793	-0.149602	-0.097273	-0.22518	-0.066052	0.013067	0.123918	-0.010746	0.315133	0.173635
74	0.232561	0.129249	0.060546	-0.101474	0.211215	-0.095512	-0.086264	-0.168087	-0.040626	0.086744	0.163262	0.095094	-0.067936	-0.240516
75	0.008808	0.002301	0.061469	-0.001764	0.008625	0.01506	0.050595	0.039314	-0.011398	-0.019901	-0.033929	0.042647	-0.031625	-0.091556
76	0.012576	0.018868	0.101277	-0.01037	0.009188	-0.008017	0.059272	0.001251	0.016298	0.004997	-0.072681	0.055448	-0.012976	-0.09692
77	0.007693	-0.043406	-0.023107	0.03429	-0.079073	0.116975	-0.014567	0.046338	0.02771	0.025439	-0.060167	-0.050015	-0.076927	0.0467

	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB
1	0.103284	-0.041092	0.107724	-0.078158	0.095253	-0.118842	0.019569	-0.066204	0.070478	-0.15015	0.009723	-0.151516	0.151325	-0.066446
2	-0.144306	0.0019	-0.05032	-0.017118	-0.167097	0.004298	0.053053	0.130677	0.062867	0.133537	0.194189	0.057168	0.00954	0.01908
3	-0.038227	-0.100956	-0.101177	0.173247	0.009597	0.323539	-0.130475	0.096193	-0.068349	0.14404	0.138966	0.081529	0.144204	0.142456
4	0.188417	-0.007999	-0.138863	-0.158783	0.002796	-0.159459	0.201337	0.034063	-0.031711	-0.008151	-0.017595	-0.087501	-0.301914	-0.059994
5	0.075055	0.01309	0.119847	0.074465	0.128948	0.142156	-0.094259	-0.125361	-0.147051	-0.189721	-0.377314	0.105241	0.051399	-0.06074
6	-0.225537	0.074893	0.0037	0.116875	-0.044479	-0.076756	0.043229	-0.162658	0.269721	-0.152045	-0.036358	0.134601	-0.159131	-0.027832
7	0.00904	0.108576	0.058284	-0.14032	0.075662	-0.094063	-0.027865	-0.079901	-0.332459	0.019452	-0.078129	-0.033776	0.107795	0.019716
8	0.043097	0.161831	0.144468	-0.104092	-0.07409	-0.0654	-0.110911	0.068066	0.071362	0.063891	-0.035194	-0.105317	0.068265	0.069052
9	-0.035517	-0.015565	-0.175239	-0.054932	0.022075	0.079285	0.019339	0.177501	-0.039836	-0.132285	-0.112551	-0.026587	-0.168529	0.057246
10	0.016751	-0.091059	0.087447	0.064145	-0.051213	-0.132494	-0.05263	-0.125674	0.055834	0.222737	0.040188	-0.008064	0.277139	-0.065799
11	0.079269	-0.051499	0.00463	0.011557	-0.232478	0.010558	-0.248331	0.079068	0.079535	-0.095521	-0.086863	0.099248	0.021849	-0.095937
12	0.022731	0.320192	0.073527	-0.055118	0.047492	0.228279	0.092124	0.009141	0.01574	-0.034192	-0.009602	0.03695	-0.067062	-0.068215
13	0.025577	-0.082201	-0.061976	-0.050454	0.100438	0.128877	-0.055959	-0.091616	0.01926	-0.058076	0.03836	-0.065329	-0.103113	0.001824
14	-0.030866	0.071253	-0.113708	-0.024137	0.168568	-0.042186	-0.056558	-0.17225	-0.061017	0.044623	0.061762	0.056041	-0.056956	0.236457
15	0.068525	-0.119432	0.016763	0.276351	-0.183078	0.268819	-0.09925	0.02865	-0.10122	-0.037995	-0.007148	0.079652	-0.132114	0.051748
16	-0.090768	-0.139253	-0.029353	-0.14434	0.111357	0.002288	-0.169994	-0.015666	-0.135213	0.047575	0.117237	-0.070396	-0.105113	-0.023465
17	-0.000255	0.033712	0.107234	-0.097695	-0.01051	0.015373	0.110386	0.083612	-0.063297	0.067133	0.084464	0.052577	-0.045104	-0.035558
18	-0.023995	-0.096407	0.071403	-0.108303	-0.177466	-0.038324	-0.343035	0.076794	0.01762	-0.029175	-0.171111	-0.123754	0.056332	-0.133516
19	-0.148288	0.175778	-0.109568	-0.042663	0.114061	-0.083776	0.157171	0.230197	0.206813	0.036049	-0.069831	0.0012	0.104503	0.051084
20	0.190054	-0.01403	0.202776	0.101386	-0.264473	-0.133931	0.068706	-0.200423	-0.123828	-0.124236	0.00216	0.077403	-0.032194	0.026869
21	-0.161335	-0.116773	-0.002964	-0.059265	-0.171145	-0.11244	-0.164492	-0.028579	0.072379	0.034131	0.022438	0.10414	-0.099209	0.016085
22	-0.112171	0.229664	0.157669	-0.031704	-0.037172	-0.094841	-0.068141	-0.028199	0.00608	0.007292	0.157042	0.161795	0.060187	-0.058095
23	-0.086596	0.205211	-0.002959	0.014276	0.105934	0.104096	-0.100703	-0.011172	0.077913	0.083061	-0.111799	-0.199648	-0.03494	0.08589
24	0.008399	0.007966	-0.029572	-0.158624	-0.100622	0.047129	0.077591	-0.095017	0.03957	0.027897	-0.075114	0.222281	0.150519	0.03059
25	0.135335	-0.008996	0.192979	0.106112	0.005813	-0.098251	0.071875	0.26864	-0.082257	0.026213	0.011189	-0.210095	-0.01298	0.290191
26	-0.010551	0.083963	-0.09811	0.151589	-0.010999	-0.045566	0.166077	-0.338096	-0.064443	-0.010246	0.112482	0.301347	-0.028168	-0.114238
27	-0.14924	-0.100329	-0.054978	0.337645	0.204272	-0.012789	0.169774	0.097437	-0.109825	0.165358	0.040272	-0.036549	-0.027178	0.015408
28	-0.268133	0.094631	-0.074582	-0.015567	-0.098466	-0.177728	-0.010542	0.179082	-0.238739	-0.136973	-0.139617	-0.076296	0.05788	-0.204242
29	0.068942	0.081014	0.034474	0.184014	0.140261	0.029654	0.000945	-0.051948	-0.113391	-0.012062	0.058559	-0.058614	0.062061	-0.10901
30	0.134697	-0.042678	0.04167	0.066753	0.107784	-0.203924	-0.065219	0.002241	-0.065997	-0.129742	0.172985	-0.126302	-0.064116	-0.077705
31	-0.068182	-0.309389	-0.122127	-0.165277	-0.060961	-0.102009	0.118722	0.00389	0.014033	-0.213032	0.0018	-0.033542	0.046903	0.003545
32	0.223144	0.031494	0.05126	-0.116919	0.0138	0.13193	0.083149	0.037238	0.058578	0.217155	0.009317	0.049279	-0.334702	0.021151
33	0.192532	-0.130863	0.048567	0.103767	0.316122	-0.044983	-0.160269	0.047131	0.118753	-0.185063	0.130029	-0.020193	0.230569	0.111221
34	-0.114889	-0.047738	-0.119934	0.160318	-0.005778	-0.020284	0.117198	-0.071572	0.155748	0.011872	-0.20875	-0.091243	-0.004908	-0.00687
35	-0.09639	0.111433	-0.220368	-0.109248	0.210696	0.070085	-0.161063	0.080596	-0.1363	-0.066451	0.034812	0.206801	0.064323	-0.167106
36	0.029495	-0.05729	0.109396	-0.230474	-0.092393	0.066786	-0.263369	-0.170105	0.018852	0.04668	0.027868	-0.140052	-0.125597	0.075195
37	-0.164258	0.015133	0.199501	-0.113557	0.178746	0.106452	0.071492	-0.06956	0.296593	-0.065707	-0.118667	-0.040845	-0.107577	0.175348
38	0.267141	0.004027	-0.169544	0.110886	-0.119057	-0.085957	-0.039624	-0.147896	0.057971	0.187332	-0.089532	-0.038411	-0.132066	0.022383
39	0.059189	-0.078657	-0.169713	-0.047629	-0.136095	0.079018	0.157337	-0.081921	0.17883	-0.017647	-0.004722	0.04862	0.150687	0.098531
40	0.12686	-0.130455	-0.15765	-0.116747	-0.160981	0.045068	-0.012681	0.122024	0.086281	0.090813	-0.070245	0.081183	-0.032599	0.059482
41	0.001006	0.113951	-0.136708	-0.185684	-0.045389	0.065004	0.002825	0.160894	-0.099906	0.168169	-0.122935	0.058191	0.150588	-0.01809

	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB
42	0.052508	-0.14267	0.154427	-0.080287	0.045476	0.015965	-0.12404	-0.026802	0.060552	-0.069885	0.021892	0.137212	0.040065	-0.037111
43	0.129938	-0.013974	-0.042127	-0.049512	-0.007281	-0.119003	0.130003	-0.085402	-0.04769	-0.020765	-0.005378	0.137067	0.079365	-0.084946
44	0.080059	-0.075503	-0.092034	-0.076554	0.12077	0.128358	-0.084194	0.060352	0.123097	-0.027461	0.04374	0.108933	-0.153383	-0.240219
45	0.03685	-0.099964	-0.094297	0.038121	-0.135032	-0.173554	-0.123816	0.08775	-0.151618	0.149176	0.024083	0.07073	-0.043872	0.112846
46	0.142133	-0.085044	0.137614	-0.009998	-0.110381	0.21604	0.277786	-0.068169	-0.085232	0.019253	0.026216	-0.099638	0.289396	-0.116983
47	0.156184	0.306701	-0.125765	0.101707	-0.212796	0.061127	0.021696	0.25786	0.030165	-0.308442	0.19668	-0.075998	0.029491	0.027617
48	0.015707	-0.076831	-0.036429	-0.075575	0.26479	-0.030974	-0.179597	-0.029022	0.101693	0.03397	0.08226	0.133939	0.005451	-0.054695
49	0.020596	0.097925	0.151142	0.068511	-0.042999	0.037555	-0.030186	0.072241	-0.120682	-0.014979	0.044481	0.143119	-0.02378	-0.039138
50	-0.112119	-0.071324	0.073215	0.024889	0.004994	-0.11008	0.050923	-0.082529	0.13631	-0.149516	0.192305	-0.133135	-0.071942	0.104631
51	-0.121534	-0.092697	0.040187	0.153348	0.134611	0.020559	-0.021971	-0.014342	-0.148919	0.037852	-0.185575	0.056746	-0.162893	-0.135302
52	-0.24712	-0.061957	0.068704	-0.028337	-0.095691	0.040817	0.030139	-0.113262	-0.032218	-0.197101	0.10146	-0.077722	-0.035732	-0.052357
53	0.008097	-0.045847	0.123806	0.019458	0.013396	0.012671	0.145605	-0.024244	-0.014856	0.197786	-0.176395	0.074551	0.015559	0.01642
54	0.103503	-0.082913	-0.165094	0.187132	0.057813	-0.147391	-0.027085	-0.00575	0.002961	-0.009349	0.020139	-0.15707	0.011207	0.0139
55	0.080278	0.032941	-0.124947	-0.149904	0.150044	-0.178652	-0.017115	0.009579	-0.079464	0.060211	0.060717	0.111642	0.145165	0.255566
56	-0.00732	-0.029755	0.010026	-0.029257	-0.044435	0.144656	0.018383	0.047593	0.011508	-0.007528	-0.076895	0.039208	0.044644	0.027979
57	0.107046	0.044511	0.210391	0.071847	0.051914	-0.169505	-0.000124	0.281698	0.147278	0.10915	-0.021789	0.063863	0.01844	-0.295533
58	0.051626	0.037354	-0.065976	-0.107898	0.000743	0.061435	0.103062	-0.053845	0.026412	-0.148648	-0.060823	-0.063651	0.160762	-0.018425
59	0.002422	0.001702	-0.184786	-0.088163	-0.04011	-0.02686	0.124729	-0.086386	0.004388	-0.182	0.019773	-0.092548	0.037658	-0.001424
60	-0.148172	-0.129522	0.073245	-0.045461	-0.020149	-0.264935	0.066	0.060203	0.04408	0.202279	-0.099169	0.017498	-0.02412	-0.079332
61	-0.020625	-0.011563	0.060988	-0.175839	0.060544	0.085011	0.08195	-0.003104	-0.185657	-0.074239	-0.126323	-0.118002	0.080134	-0.00823
62	0.174172	0.029684	-0.07616	0.005422	0.092585	0.120288	-0.005282	-0.138841	0.021172	0.092042	-0.166917	-0.252478	-0.036148	-0.142693
63	0.055597	-0.121772	0.116238	-0.124717	0.00369	-0.028051	0.117963	0.144772	-0.04948	-0.221547	-0.199036	0.215228	-0.129059	0.132645
64	-0.053969	-0.058781	-0.131058	0.055939	0.00481	-0.041919	-0.035854	-0.045065	-0.011271	-0.037816	0.005463	0.176615	0.129858	0.026152
65	0.050414	-0.000684	0.09944	-0.161354	0.04613	0.145313	-0.021844	0.016404	0.098795	0.03335	0.184069	0.111468	0.090535	0.163134
66	-0.143024	0.153095	0.03608	0.026388	-0.085566	-0.068893	-0.00811	-0.087367	-0.067399	0.055073	-0.098024	0.003144	0.016863	0.315819
67	0.017122	0.101134	0.006393	-0.03664	0.004522	-0.011746	-0.015609	-0.006767	0.18887	0.059785	0.170341	-0.058919	0.000693	-0.298199
68	-0.139734	0.062074	0.068701	-0.022797	-0.114862	0.105296	0.006963	0.026175	-0.085165	0.015395	0.214608	-0.018965	-0.057626	-0.029014
69	-0.108334	-0.013848	0.308549	0.136352	0.010558	0.029678	-0.016819	0.061369	0.040037	-0.07286	-0.043983	0.046552	-0.046521	0.105125
70	-0.128637	-0.04323	-0.030389	-0.096938	-0.058042	0.138083	0.092791	-0.088303	-0.035644	0.133286	0.135136	-0.246541	-0.046437	-0.143189
71	0.07014	0.048553	-0.157133	0.142768	0.025712	-0.039022	-0.073635	0.140567	0.082369	-0.186522	-0.102642	0.076024	-0.097439	0.074317
72	-0.110067	-0.1466	0.036343	-0.132649	0.097385	0.018984	0.11564	0.063601	-0.245398	-0.011655	0.130224	-0.004291	-0.134022	0.027946
73	-0.155388	-0.044276	-0.113924	0.075184	-0.062124	0.068993	-0.105572	-0.023571	0.135092	0.057124	-0.190852	-0.127937	0.191698	0.018758
74	0.056564	0.377351	-0.061688	-0.039502	-0.014433	-0.167217	-0.178576	-0.223728	-0.051528	0.030726	-0.058599	-0.030885	-0.095678	0.079951
75	0.057141	-0.052041	0.048492	-0.10078	0.045047	-0.050725	0.074789	0.026058	-0.017488	0.003345	-0.027406	0.082184	-0.021731	0.052129
76	0.074015	0.00146	0.065257	-0.027963	0.074783	-0.008081	0.071357	0.044371	0.064226	-0.005023	-0.011129	0.128053	-0.042346	-0.066136
77	-0.040235	-0.027878	-0.068759	0.012641	-0.075742	0.083697	-0.099167	-0.063134	-0.131953	-0.103176	0.123148	-0.088542	-0.042236	0.035549

	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP
1	0.001483	-0.05932	0.049437	-0.07031	0.019196	-0.117165	0.015532	-0.044515	0.02835	-0.01511	-0.089719	0.099969	-0.062342	0.175449
2	-0.032471	-0.024155	0.103326	0.027379	-0.037085	-0.048762	0.014334	0.057379	0.043828	0.029878	-0.007623	-0.018833	0.015131	-0.085693
3	-0.018427	0.004492	0.025905	-0.161075	0.044152	-0.047524	0.024296	-0.07176	0.012424	-0.004083	-0.05419	0.060387	-0.118991	0.028329
4	-0.02473	0.138716	0.009079	0.259489	0.12399	0.141664	0.001235	-0.062713	-0.059737	0.017441	0.063179	-0.184683	0.216653	-0.161398
5	-0.005369	-0.003719	-0.205402	-0.01416	-0.059648	0.089281	-0.013848	0.013631	-0.046874	-0.005845	0.112585	0.014035	-0.101882	0.141849
6	-0.160264	-0.11636	-0.023043	-0.106483	-0.068135	-0.08922	-0.079387	0.107508	0.131016	-0.047541	0.142042	-0.110841	-0.035228	0.08408
7	0.016707	0.101996	0.012373	0.162127	-0.22142	0.020191	0.102994	-0.177138	-0.045868	0.235402	-0.052205	-0.035777	-0.066867	-0.089195
8	0.08739	-0.151024	-0.068883	-0.036109	0.122032	0.03367	-0.097229	0.126194	-0.111688	-0.263248	-0.124197	0.170184	0.140673	-0.043709
9	0.059231	-0.149812	0.082375	-0.226557	-0.018162	-0.143153	0.129181	-0.073617	-0.368166	0.053857	0.160994	0.091791	0.106849	0.085297
10	-0.09356	0.095983	-0.024879	0.105787	0.010032	0.147041	-0.071085	-0.001614	0.3297	-0.071813	-0.14544	-0.118563	-0.110164	-0.094214
11	-0.230123	-0.173997	-0.372159	-0.075447	-0.065252	-0.048528	0.210423	-0.23993	0.099026	-0.113849	-0.010815	-0.059432	0.149602	-0.030608
12	-0.010704	0.004405	-0.058684	0.24292	-0.108782	0.042402	-0.089407	0.126488	-0.011309	0.044182	-0.165838	-0.0418	0.049445	0.037347
13	0.118208	0.000371	0.047759	0.052178	0.018302	-0.004985	0.012038	-0.071561	0.033253	-0.027933	-0.009554	-0.031561	0.023517	-0.027791
14	0.169666	0.103818	-0.22982	-0.09517	0.052525	0.024171	-0.01283	-0.116057	-0.008663	-0.054176	-0.023764	0.099214	-0.009972	0.074731
15	-0.083776	0.070999	0.038983	0.211561	-0.006895	-0.006001	0.055566	0.233388	-0.008862	0.008104	0.246395	-0.075875	0.057041	-0.172755
16	0.052818	0.093116	0.019914	-0.058627	-0.066376	0.079155	0.027199	0.031031	0.047084	0.119006	0.01227	0.022477	-0.009521	-0.00556
17	-0.022331	-0.01208	-0.029927	-0.042134	0.010884	-0.030418	0.022982	0.012829	0.123624	0.022515	-0.00825	0.025419	-0.059502	0.032161
18	0.00871	0.011682	0.185306	0.039341	0.083497	-0.096867	0.045602	-0.000161	-0.062992	-0.008344	0.061129	-0.024638	-0.018231	-0.027696
19	-0.079696	0.148291	-0.104155	-0.040088	0.002599	-0.030457	-0.064263	0.068347	0.019771	0.050118	-0.001814	-0.040884	-0.020239	0.111059
20	-0.039905	-0.189998	0.142262	0.01224	0.008789	-0.060775	-0.006349	-0.157528	-0.075988	-0.080349	-0.059743	0.064216	-0.062336	-0.071559
21	0.207719	0.079436	-0.157378	0.121982	0.115244	0.063378	0.089274	0.18997	-0.173161	0.052428	-0.115229	-0.06163	-0.103762	0.016148
22	-0.044689	0.024911	0.057309	0.055784	0.075437	-0.210074	-0.16011	-0.159759	-0.072303	0.041478	0.136857	-0.07038	0.155451	0.097092
23	-0.187109	-0.021566	-0.045904	-0.097176	-0.13194	0.036113	0.282536	-0.014176	0.054193	-0.152904	-0.110978	0.016795	-0.205846	-0.066599
24	-0.027826	-0.134602	-0.120242	-0.059996	0.192609	0.039638	-0.324438	-0.14175	-0.061227	0.024338	0.272497	-0.029067	-0.091556	-0.129212
25	-0.049311	0.10774	-0.247549	0.035131	-0.038984	-0.171216	0.019245	-0.147872	-0.012093	0.13813	-0.03513	-0.063707	0.097208	-0.019352
26	-0.147038	0.090615	-0.095672	-0.145089	-0.192094	0.272738	0.026486	0.044744	-0.10116	0.024283	-0.058492	0.116102	-0.000097	-0.093441
27	-0.050427	-0.165472	-0.118065	0.144056	0.075311	-0.16787	0.021909	-0.054495	0.059877	-0.101628	0.073592	-0.130598	0.069543	0.092816
28	0.063577	0.273132	-0.093481	-0.111031	0.030154	0.087862	0.077701	0.169946	0.118727	-0.006672	0.086179	0.057991	-0.020758	0.013351
29	-0.042373	-0.064477	0.092155	0.125391	0.289047	0.165799	0.033359	-0.07973	-0.15974	0.101752	0.012521	0.249069	0.125587	-0.012072
30	0.109738	0.122853	0.010906	-0.137543	-0.022561	-0.058709	-0.014753	0.011529	0.089455	-0.157943	0.048973	-0.034113	-0.086129	0.034639
31	0.134671	-0.263994	-0.03749	-0.009886	-0.154715	0.017424	-0.117453	0.124806	0.137577	0.130983	-0.063036	0.156119	0.073594	-0.178357
32	0.066583	0.06957	0.066115	-0.164257	0.133417	0.131283	0.038551	-0.032017	0.272572	-0.120499	0.044388	0.144993	0.090987	0.165023
33	-0.125533	0.022854	-0.035244	-0.103119	-0.045812	-0.035355	-0.145671	0.206824	-0.163975	0.075185	-0.046322	-0.251495	0.089798	-0.194139
34	0.122481	-0.024482	0.079992	0.132524	-0.04547	0.075324	-0.084376	-0.00516	0.019139	-0.237858	0.084621	0.127567	0.144259	0.112061
35	0.207338	-0.231592	0.095562	0.117906	0.107778	0.083399	0.128214	-0.093481	0.0712	-0.122898	-0.011764	-0.206693	-0.065525	-0.152859
36	0.058661	0.059383	-0.138714	0.062788	0.031591	-0.064839	-0.21067	0.180344	0.068259	0.061217	0.241252	0.053946	-0.066904	0.13328
37	0.08571	-0.108905	0.160693	0.021422	-0.064285	0.002996	0.094692	-0.121013	-0.052654	-0.013211	-0.05599	-0.131011	0.030471	-0.123114
38	-0.076897	-0.074974	0.132653	0.067341	0.072954	-0.189397	-0.03156	0.008966	0.013398	0.108252	-0.064346	-0.093478	-0.107585	0.036694
39	0.101006	0.158436	0.044151	-0.105176	-0.147117	-0.043821	0.224999	-0.116532	0.140766	0.325611	0.25627	-0.230967	0.050851	0.001336
40	-0.039812	0.164587	0.079036	0.053421	-0.232038	-0.006486	-0.020713	-0.03717	-0.103913	-0.322647	-0.286742	-0.018747	-0.064083	-0.051794
41	-0.139004	-0.16082	-0.097624	0.144009	0.120374	0.016495	0.009926	0.073655	0.017755	0.105832	0.043681	-0.00494	0.027177	0.079802

	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP
42	0.089001	0.138323	0.132014	0.077389	-0.019429	0.171064	0.044436	-0.22202	-0.056302	-0.075798	0.045139	-0.250451	0.007333	0.362886
43	0.052844	0.061437	-0.148781	0.033525	-0.105986	-0.259067	0.253843	0.06785	-0.208513	-0.114622	0.06641	0.147153	0.01561	0.092676
44	-0.320446	0.064292	0.124461	-0.139156	0.12691	-0.141681	-0.030791	0.069588	-0.080185	0.245549	-0.1597	0.148767	-0.283472	0.062966
45	-0.120062	-0.068129	-0.053174	0.039681	-0.155373	0.056581	-0.135365	-0.028148	-0.022887	0.009635	0.001777	0.07198	0.079532	0.04617
46	0.109435	-0.034924	0.015357	-0.143768	0.223201	0.015672	0.240021	0.146914	0.052271	-0.055643	-0.016215	-0.048405	0.069613	0.016861
47	0.074968	0.0915	-0.016878	0.003381	-0.132439	0.187515	-0.238263	-0.121111	-0.063364	-0.048635	0.061347	0.01296	-0.25558	0.084867
48	-0.137948	0.0845	-0.18337	0.146637	0.094385	-0.017726	0.062746	-0.040616	0.029959	-0.051853	0.02635	0.135157	0.17637	-0.072523
49	0.12105	0.048113	-0.013446	-0.247833	0.123238	-0.113748	-0.092428	0.083619	0.099118	-0.197613	0.015591	-0.213643	0.082373	-0.075506
50	-0.197512	-0.097656	-0.137624	0.224628	0.129793	0.158172	0.117854	0.05427	-0.048947	0.022645	0.096114	0.080901	-0.133193	0.103719
51	0.003055	0.179348	0.101992	-0.031498	-0.128694	-0.155586	-0.261486	-0.183192	-0.010374	-0.056512	-0.058987	-0.027211	0.050985	-0.111936
52	-0.031025	0.13839	0.046403	0.029846	0.080605	-0.116834	-0.009049	-0.043855	-0.01853	-0.095429	-0.034539	-0.027336	0.020107	-0.101799
53	0.149953	0.080683	-0.007716	-0.061836	0.045935	-0.038374	-0.213815	0.127741	-0.094161	0.216352	-0.1484	0.006413	-0.019076	0.076918
54	0.120986	-0.052215	0.06288	-0.102117	0.14782	0.213731	0.013838	0.013223	-0.064965	0.019658	0.081235	-0.065422	-0.183189	0.031515
55	-0.13544	0.050234	0.277577	0.012771	-0.100665	-0.099355	0.052329	0.120525	0.129017	-0.211344	0.369796	0.221158	-0.013577	-0.037869
56	-0.022413	-0.019038	-0.077333	0.056102	0.011915	-0.014947	0.01383	0.063478	0.017	0.028599	-0.00431	0.016867	-0.036255	0.042362
57	0.007049	-0.188272	0.178425	0.02043	-0.236664	0.170121	0.062064	0.19458	-0.090664	0.052605	0.118667	-0.048513	0.032875	-0.007389
58	-0.055332	0.080185	-0.016873	0.083298	0.087787	-0.203867	-0.139204	0.038901	0.040096	-0.004838	-0.076273	-0.031446	0.036907	0.115437
59	-0.072423	0.000083	0.010978	0.055197	0.09397	-0.092196	0.019116	-0.071056	0.093646	-0.099555	-0.186828	-0.046592	-0.049098	-0.029437
60	0.007696	-0.147722	-0.090008	-0.234157	0.014493	0.108384	-0.018245	-0.244029	-0.058223	0.076377	-0.017748	-0.033708	-0.071081	0.057435
61	-0.284292	-0.080304	0.196802	-0.04929	-0.088963	0.047342	-0.167142	-0.105309	0.133052	-0.036204	0.057183	0.071547	0.058757	-0.055521
62	0.089383	-0.152553	-0.194259	0.094028	-0.275316	0.00169	-0.070347	0.04639	0.056478	-0.035419	0.131563	-0.075435	-0.109178	0.027123
63	-0.167622	0.136141	-0.018205	-0.017159	0.145802	0.155108	0.129384	0.094671	0.076273	-0.030179	-0.088837	-0.056392	0.056316	-0.009724
64	0.169423	-0.049808	0.076526	0.157189	-0.14369	-0.1714	0.0006	0.178071	-0.023375	-0.018937	-0.22355	0.064305	0.142374	0.262416
65	0.127256	-0.0672	-0.05657	-0.049292	-0.151981	0.200335	-0.067298	-0.03862	-0.100973	-0.007856	-0.010715	0.040298	0.113372	-0.0701
66	-0.137273	0.005605	0.157573	0.045431	0.077651	0.073669	0.052447	0.075176	-0.196898	-0.056579	-0.011943	-0.172397	-0.095861	0.038654
67	-0.057426	0.11398	-0.00887	0.082319	-0.027901	-0.057607	0.012912	-0.115541	0.017425	0.048705	0.041852	0.027061	0.1382	0.020259
68	0.140684	-0.137685	0.01114	0.151154	-0.064273	-0.130457	0.079126	-0.162935	0.07611	0.093954	-0.014856	0.090976	-0.156051	-0.018827
69	0.076137	0.045707	0.07159	0.055314	-0.121779	-0.00557	0.087428	0.038326	0.187601	0.147078	0.023154	0.287529	-0.033251	-0.115629
70	-0.071103	0.049057	-0.134081	-0.191443	-0.065487	-0.022429	-0.06843	0.085765	-0.259019	-0.115546	0.049331	-0.034849	0.113489	-0.257623
71	0.146263	-0.117332	-0.055073	-0.010432	0.13624	-0.001543	-0.136408	-0.051479	0.263216	0.138043	-0.124446	0.096731	0.063112	-0.165437
72	-0.101824	-0.222125	-0.028359	0.015238	-0.047584	0.020999	-0.104358	0.156889	0.04681	-0.100582	-0.001455	-0.255902	-0.185337	0.18301
73	-0.019434	0.157243	0.09752	0.03729	0.087553	0.155256	-0.075888	-0.086483	-0.052339	-0.002832	0.055117	0.071169	0.056803	-0.058579
74	0.051339	-0.107353	0.061625	-0.185848	0.020715	-0.078437	0.116169	0.184825	0.102812	0.152214	-0.080813	-0.151415	0.12682	-0.12263
75	0.01041	-0.025746	-0.042612	0.086906	0.074118	-0.013034	-0.010563	-0.014974	-0.092134	-0.004249	-0.061868	0.042527	-0.200621	-0.169561
76	0.125448	0.063124	-0.09505	0.06402	-0.033188	-0.14049	-0.000422	0.042452	0.008934	-0.128249	0.144398	0.013577	-0.155829	-0.130613
77	-0.140495	-0.083702	0.058909	-0.104885	-0.112196	0.169656	-0.046194	0.038189	0.07138	0.093486	-0.127898	-0.050442	0.376724	0.294908

	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ
1	-0.009525	-0.0083	0.022276	0.127853	0.112219	-0.078151	-0.167769	-0.049994	-0.090032	0.008946
2	0.013735	0.014117	-0.090287	-0.095177	-0.037977	-0.02397	-0.044725	0.013089	0.010565	0.15806
3	0.05736	0.052558	0.033172	0.027519	0.008083	-0.054379	-0.118044	-0.039211	-0.035033	0.174097
4	-0.111355	-0.105191	-0.114174	-0.085582	-0.02202	-0.001815	0.154358	0.054663	0.087282	0.099849
5	0.002506	0.000723	0.175538	0.105557	-0.003394	0.089694	0.12848	0.012966	0.021042	0.074925
6	0.036237	0.047851	0.0993	-0.007096	0.02353	0.008643	0.048628	0.033505	-0.060023	0.077891
7	-0.070658	0.081795	0.070667	0.180005	-0.041727	0.061021	-0.156141	-0.112267	-0.063303	0.059689
8	0.11765	-0.087119	-0.119632	-0.108485	-0.071161	0.089094	0.067699	0.043332	0.115019	0.016055
9	0.031704	0.070827	-0.202844	0.067465	-0.038584	0.085497	-0.11834	0.02303	-0.005427	0.001629
10	-0.083042	-0.106404	0.108586	-0.050157	0.016414	0.019957	0.164026	-0.01232	0.044822	0.001691
11	-0.179056	0.024772	-0.051381	-0.10919	-0.035518	0.100471	-0.124323	0.054691	0.033178	0.10338
12	0.125263	0.017961	0.105943	0.014374	-0.015619	-0.139214	-0.181426	-0.041986	-0.05323	0.010434
13	-0.004077	0.00748	-0.017965	-0.03109	0.018886	-0.044145	-0.015215	0.005507	-0.008989	0.004714
14	-0.108456	-0.012808	-0.040521	-0.024325	-0.032142	0.045121	0.10912	0.050332	0.054021	0.012031
15	0.109733	0.044049	0.024981	-0.027345	-0.079292	0.063962	0.128326	0.063601	0.035964	0.04877
16	-0.030379	0.028292	-0.004644	-0.078365	-0.062809	0.006539	0.018515	0.012653	0.034472	0.032163
17	0.101205	-0.019179	-0.004396	0.01115	-0.017504	0.018429	0.023498	-0.012162	-0.018232	0.003371
18	-0.10745	0.017917	0.121017	-0.006463	0.000452	-0.059315	0.053189	0.003037	0.048701	0.016283
19	0.060976	-0.04104	-0.00695	0.043214	-0.042706	-0.003338	-0.017553	0.014437	0.023361	0.014326
20	-0.050716	-0.005627	0.022422	0.016531	0.120746	0.12465	-0.007247	-0.071218	-0.059709	0.003351
21	-0.007743	-0.226644	-0.01194	0.222181	0.263505	0.199656	-0.082927	-0.056046	-0.108889	0.09151
22	-0.025927	0.063772	0.10441	0.099336	-0.165345	0.108045	0.009958	0.042213	0.063848	0.401635
23	0.034833	0.03997	-0.183174	-0.068298	0.28549	-0.099688	0.067616	-0.057688	-0.15569	0.323364
24	0.133819	-0.117966	-0.039026	0.332646	-0.110934	-0.113834	-0.032444	0.004804	0.02224	0.034305
25	0.221605	-0.129638	0.157347	0.008681	-0.012988	0.18454	0.053567	-0.022685	0.02559	0.037866
26	0.074317	-0.000535	-0.173124	-0.084614	-0.050333	0.102043	-0.089016	-0.002127	-0.026499	0.014299
27	-0.081732	0.05585	-0.037236	0.037062	0.0052	-0.070215	0.034713	0.040531	-0.03575	0.020611
28	0.095371	0.052516	-0.055125	-0.026299	-0.094152	0.102448	-0.037927	0.060176	0.025821	0.011977
29	-0.020421	-0.094506	-0.073881	-0.172259	0.182969	0.03748	-0.07598	-0.042136	0.044841	0.320322
30	-0.009013	0.170431	0.043601	0.148091	-0.112326	-0.00775	0.058618	0.02964	-0.054288	0.194799
31	0.137451	-0.097241	-0.032482	-0.171519	0.078661	0.037407	0.032196	-0.052394	-0.01012	0.263472
32	-0.149264	0.007373	0.243021	0.031883	-0.020379	0.157453	-0.24342	-0.005584	-0.026388	0.110474
33	-0.161897	0.104823	-0.159786	0.017804	0.014567	-0.018014	-0.098436	0.05327	0.076548	0.009443
34	-0.061358	0.100141	-0.033053	0.068728	0.012374	-0.110295	-0.050155	0.026109	-0.053045	0.015029
35	-0.227745	0.052471	0.037793	0.083831	-0.012784	-0.018795	0.101133	0.021618	-0.004406	0.03601
36	-0.048049	0.126358	-0.069525	-0.10401	0.096643	-0.249438	-0.136717	0.021153	-0.019367	0.028146
37	-0.03871	-0.152216	0.108521	-0.041883	-0.024611	0.062966	0.12399	0.000999	0.063265	0.009699
38	-0.061457	0.030748	-0.080735	0.02921	-0.005152	-0.012104	-0.042721	-0.025752	0.000175	0.012379
39	-0.056114	-0.012894	0.073902	-0.083929	0.108233	-0.032405	-0.108022	0.029646	-0.018396	0.120074
40	0.0439	0.075397	-0.127064	0.251096	-0.322918	-0.024194	0.044368	0.001232	0.004202	0.190411
41	-0.03914	-0.062255	0.005907	-0.079599	0.092651	-0.019648	-0.008685	-0.010929	0.045582	0.079854

	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ
42	0.384912	0.097071	-0.183472	-0.212543	0.019541	0.113079	0.069625	0.018852	-0.029668	0.095618
43	-0.035346	-0.138299	0.150143	-0.094349	0.02199	-0.415286	0.24395	0.064913	0.070426	0.036348
44	0.032233	-0.182057	0.087608	-0.041369	-0.070059	0.134368	0.218524	0.010295	0.123318	0.014028
45	0.053573	0.052003	-0.034752	-0.006517	0.093005	-0.135613	-0.103826	-0.060945	-0.073749	0.010556
46	0.01854	0.059954	-0.090679	0.125994	-0.09587	0.114471	-0.003482	0.034283	0.003318	0.00762
47	-0.260186	-0.035406	0.060973	-0.116051	0.133336	-0.004734	0.082505	0.064762	0.071065	0.013759
48	0.179663	-0.012351	0.054403	0.05063	-0.046341	-0.078499	-0.08934	-0.041936	-0.036884	0.011633
49	0.072889	-0.174318	-0.058992	-0.156392	0.150399	-0.118395	0.035461	0.08461	-0.009117	0.078616
50	-0.066791	0.248489	0.044453	0.064815	-0.144066	0.08419	0.070014	-0.043857	-0.002012	0.033667
51	0.027986	-0.192114	0.039422	-0.008388	0.173251	-0.033959	-0.102861	-0.005313	-0.055605	0.014656
52	0.038751	-0.054543	-0.023007	0.006464	0.004171	0.033154	-0.059509	0.001666	-0.023533	0.036537
53	-0.123568	0.385887	-0.156793	0.051325	0.176623	-0.006705	0.275317	0.057329	0.099286	0.264333
54	0.191827	-0.238148	0.178309	-0.046257	-0.281171	-0.28144	-0.090729	-0.09728	-0.04098	0.272338
55	0.020393	-0.084729	-0.005738	0.114753	0.215894	0.266426	0.183773	0.04607	-0.061152	0.048003
56	0.044975	-0.029903	0.015165	-0.016035	-0.028216	0.006118	0.038145	0.01001	0.040481	0.002595
57	0.093698	0.030933	0.116606	0.142155	0.100861	-0.027244	-0.093239	-0.044231	-0.129794	0.034606
58	-0.183907	-0.205609	-0.180716	-0.089551	-0.159884	0.071616	-0.002927	-0.199747	-0.531802	0.109979
59	0.232272	0.090729	0.11061	0.201347	0.298644	-0.062101	-0.208163	0.132992	0.459185	0.107605
60	-0.122817	0.008123	-0.003377	-0.109146	-0.064589	-0.017082	0.077256	-0.008086	0.066731	0.025623
61	0.053794	0.178568	0.029492	-0.239132	-0.168588	-0.100165	0.008883	-0.003629	0.083379	0.021085
62	0.104276	-0.166327	-0.087432	0.034636	-0.059485	0.209348	0.063685	0.141088	0.088558	0.175634
63	-0.079432	0.085459	0.035659	0.057114	0.081159	-0.232937	0.057427	-0.10546	-0.103812	0.147204
64	-0.09166	0.048849	0.284529	-0.254363	-0.130301	0.167661	-0.108986	0.044126	0.110282	0.114398
65	-0.003946	-0.021219	0.087734	-0.01124	0.038457	-0.048556	0.046808	-0.024985	-0.016869	0.014901
66	0.001037	-0.059358	0.084969	-0.094549	-0.047498	-0.026601	-0.089815	-0.068896	0.051113	0.099814
67	-0.008027	0.021973	-0.183598	0.07282	0.071812	-0.015558	-0.037711	0.121502	-0.008812	0.080254
68	0.193435	0.068655	-0.076538	0.052996	-0.035527	-0.127269	0.260784	-0.071952	-0.117152	0.021348
69	-0.265902	-0.244701	-0.20319	0.157763	-0.222505	-0.134272	-0.135734	0.174881	0.202882	0.188317
70	-0.106762	0.118996	0.388082	0.027531	0.038237	0.077249	0.06066	-0.109524	-0.118546	0.164756
71	0.130613	0.200081	0.084998	0.05447	0.021512	0.115104	0.103707	-0.110122	-0.164066	0.059413
72	-0.107161	-0.12433	-0.119296	0.034302	0.002376	0.127706	-0.181438	0.029125	0.069542	0.051226
73	-0.004867	0.001427	0.003167	0.022395	0.006844	0.109933	-0.023245	-0.00213	0.017387	0.005943
74	0.118202	0.059283	-0.052079	-0.003226	-0.176968	-0.024105	0.00071	0.010968	0.014563	0.010196
75	0.060021	0.103411	0.119229	-0.138718	-0.018969	0.000571	-0.1403	0.609342	-0.309661	0.017809
76	-0.018738	0.08418	-0.09186	-0.13889	-0.019768	0.047554	-0.112289	-0.590215	0.267155	0.017679
77	-0.032094	-0.190049	0.020411	0.292645	0.059659	-0.117654	0.248735	-0.031045	0.021424	0.014642

Appendix B9

PCA Transformation Matrix (77 x 77; Early/Late)

	A	B	C	D	E	F	G	H	I	J	K	L
1	494.4/184.1>GPCho:Lyso 16:1	-0.010683	-0.062621	0.027248	-0.026219	-0.335284	0.19554	0.025475	-0.17576	-0.088068	-0.01078	-0.105942
2	496.4/184.1>GPCho:Lyso 16:0	0.069254	-0.068194	0.020311	-0.137287	-0.212396	-0.037232	0.081205	-0.272092	0.073641	-0.361804	0.057305
3	520.4/184.1>GPCho:Lyso 18:2	0.068864	0.040834	0.196951	0.178798	-0.101984	0.142708	0.095704	-0.193758	0.143015	-0.029671	0.069318
4	522.4/184.1>GPCho:Lyso 18:1	0.088072	-0.00825	0.043798	0.009224	-0.296581	0.225544	-0.013445	-0.1965	0.0443	-0.043598	0.145636
5	524.4/184.1>GPCho:Lyso 18:0	0.050109	-0.082548	0.130096	-0.005983	-0.280482	-0.09001	-0.036971	-0.08763	0.071248	0.049475	0.120998
6	544.4/184.1>GPCho:Lyso 20:4	0.013953	0.187946	0.063318	-0.051514	-0.144667	-0.051741	0.074773	-0.095893	-0.008414	0.028909	0.060456
7	568.4/184.1>GPCho:Lyso 22:6	0.010899	0.170255	0.119905	-0.077648	-0.117704	0.020852	0.125072	-0.014925	0.267879	-0.024147	0.013017
8	570.4/184.1>GPCho:Lyso 22:5	-0.024189	0.164479	0.131283	-0.047226	-0.174672	0.047435	0.086045	-0.019339	0.192187	-0.003123	0.032478
9	678.5/184.1>GPCho:28:0	0.076097	-0.165159	0.049633	-0.070143	-0.140589	-0.037294	0.034	0.039954	-0.077872	-0.121467	-0.343995
10	678.5/184.1>GPCho:28:0a	0.081693	-0.151866	0.064318	-0.075024	-0.156379	-0.032279	0.041031	0.062086	-0.061181	-0.120618	-0.332756
11	704.6/184.1>GPCho:30:1a	0.193398	0.073618	0.004978	-0.046974	0.07565	0.040122	-0.078774	-0.013125	-0.022358	0.016942	-0.002348
12	706.6/184.1>GPCho:30:0a	0.161585	0.05853	0.005547	-0.094095	-0.04542	0.036823	-0.173403	-0.028447	-0.014088	0.13105	-0.373853
13	718.6/184.1>GPCho:32:0p, 32:1e	0.135957	-0.06569	0.152926	-0.111818	0.039484	0.082917	0.142184	0.151788	0.099166	0.003314	-0.109964
14	730.8/184.1>GPCho:32:2	0.150594	0.034485	-0.013378	-0.011068	-0.008404	0.024928	0.407199	0.060454	-0.216702	0.096219	0.116223
15	732.6/184.1>GPCho:32:1a	0.073625	-0.040878	-0.197402	-0.051424	-0.204303	0.101188	0.123603	0.020162	-0.057835	0.239394	-0.119002
16	734.6/184.1>GPCho:32:0a	0.03987	-0.046254	-0.209133	-0.185613	0.055487	0.129972	-0.151517	0.11576	0.101409	0.099928	-0.087474
17	742.6/184.1>GPCho:34:2p, 34:3e	0.058367	-0.15652	0.150393	-0.072266	0.010433	0.079936	0.075349	0.044491	-0.183329	-0.117049	-0.087962
18	744.6/184.1>GPCho:34:1p, 34:2e	-0.059501	-0.029706	0.243472	0.06943	0.057321	0.197658	-0.026028	-0.040972	-0.18584	0.042353	-0.029738
19	746.6/184.1>GPCho:34:0p, 34:1e	0.019457	-0.115878	0.081861	-0.149376	0.078956	0.280225	-0.172601	-0.010243	-0.050863	0.185995	0.0536
20	748.6/184.1>GPCho:34:0e	0.070091	-0.145173	0.071781	-0.142427	0.086864	0.159702	-0.142589	0.110897	0.05082	0.164925	-0.065909
21	756.6/184.1>GPCho:34:3a	0.019203	-0.216671	-0.009206	0.0168	0.010688	0.035228	-0.008751	-0.002306	-0.026163	-0.07004	0.114075
22	758.7/184.1>GPCho:34:2a	-0.130503	-0.093417	-0.039428	0.123202	0.215203	0.057036	0.029898	-0.072547	0.108249	-0.054653	-0.028453
23	760.6/184.1>GPCho:34:1a	-0.092885	-0.102309	-0.206564	-0.06713	-0.06941	0.171964	-0.039599	0.00728	0.00944	-0.081233	0.057414
24	762.6/184.1>GPCho:34:0a	-0.076499	-0.084442	-0.203645	-0.091377	-0.118414	0.191942	-0.043234	0.109988	-0.010236	-0.119297	0.009034
25	768.6/184.1>GPCho:36:3p, 36:4e	-0.103814	0.129608	0.135707	-0.149685	0.024041	0.025594	-0.059261	-0.091573	-0.184804	0.058742	0.007842
26	770.6/184.1>GPCho:36:2p, 36:3e	-0.090417	-0.008183	0.249015	-0.030991	0.036311	0.127553	-0.093214	-0.106796	-0.25011	0.04403	0.068353
27	772.6/184.1>GPCho:36:1p, 36:2e	-0.015283	-0.186242	0.139416	-0.018712	0.097921	0.107317	0.012548	0.050674	0.069914	0.104662	-0.017301
28	774.6/184.1>GPCho:36:0p, 36:1e	-0.003105	-0.166344	0.156411	-0.120071	-0.025109	0.047658	0.121477	0.106879	0.099303	0.058688	-0.120504
29	782.6/184.1>GPCho:36:4a	-0.139261	0.130293	-0.075834	-0.07355	0.027422	-0.081789	0.046593	0.103805	-0.179457	0.011339	-0.148961
30	784.6/184.1>GPCho:36:3a	-0.184625	0.012288	0.030689	0.069828	-0.101481	-0.060512	0.047553	0.019591	-0.232153	-0.05402	-0.061935
31	786.6/184.1>GPCho:36:2a	-0.14279	-0.093214	0.103044	0.168902	-0.001439	-0.009359	-0.033657	0.00042	0.110716	0.219782	0.052114
32	788.6/184.1>GPCho:36:1a	-0.030288	-0.200938	0.001685	0.071822	-0.13992	-0.045029	-0.078364	0.057518	0.066715	0.159865	0.120967
33	790.8/184.1>GPCho:36:0	-0.005709	-0.204905	0.007121	-0.008344	-0.163734	-0.033029	-0.077559	0.069729	0.008803	0.119516	0.124429
34	792.6/184.1>GPCho:38:5p, 38:6e	-0.067505	0.080164	0.182611	-0.214073	-0.028097	0.054567	0.042334	0.010082	0.116272	-0.041405	0.02563
35	794.6/184.1>GPCho:38:4p, 38:5e	-0.096712	0.142271	0.123049	-0.155769	0.067413	0.051087	-0.056042	-0.128396	-0.072565	0.134707	0.062828
36	796.6/184.1>GPCho:38:3p, 38:4e	-0.099757	0.109103	0.127804	-0.196274	0.078237	0.01035	-0.093561	-0.093461	-0.162403	0.106942	0.015577
37	798.6/184.1>GPCho:38:2p, 38:3e	-0.07341	-0.119951	0.081436	-0.254204	0.075651	-0.053248	-0.013279	-0.007171	-0.133768	-0.037718	0.045161
38	800.6/184.1>GPCho:38:1p, 38:2e	0.087317	-0.134019	0.188052	-0.098348	0.057735	0.026785	0.130747	0.044881	-0.02591	-0.051722	-0.009447
39	808.6/184.1>GPCho:38:5a	-0.154189	0.131286	0.057141	-0.075564	-0.077768	-0.040391	0.068377	0.138621	0.005631	0.019776	-0.054161
40	810.6/184.1>GPCho:38:4a	-0.1581	0.114595	-0.007262	-0.058953	-0.047117	-0.131176	-0.015771	0.125075	-0.148926	0.155386	-0.062484
41	812.6/184.1>GPCho:38:3a	-0.096723	0.038049	0.018902	-0.023586	-0.186887	-0.246734	0.003879	0.149067	-0.327506	-0.019096	0.075044

	A	B	C	D	E	F	G	H	I	J	K	L
42	814.6/184.1>GPCho:38:2a	0.195472	0.019704	-0.019287	-0.08312	0.015901	-0.084748	-0.1482	-0.019381	0.052695	-0.065339	0.106417
43	816.6/184.1>GPCho:38:1a	0.133234	-0.117755	0.099804	0.021032	-0.007373	-0.200839	-0.143211	0.023662	0.057978	-0.110553	0.018381
44	820.6/184.1>GPCho:40:5p, 40:6e	-0.093315	0.116033	0.161906	-0.18699	0.015765	0.038187	0.079876	0.057009	0.204266	0.030956	0.006059
45	822.6/184.1>GPCho:40:4p, 40:5e	-0.084916	-0.013598	0.062147	-0.300057	0.126044	-0.052689	0.049406	0.044701	0.128235	0.008964	0.131352
46	824.6/184.1>GPCho:40:3p, 40:4e	-0.080705	-0.091459	0.027734	-0.283436	0.116446	-0.080604	-0.060893	-0.016597	0.007785	0.031335	0.190557
47	826.6/184.1>GPCho:40:2p, 40:3e	0.034385	-0.212008	-0.032769	-0.109713	0.067979	-0.045811	0.02792	0.010495	0.027024	-0.018659	0.080552
48	828.6/184.1>GPCho:40:1p, 40:2e	0.075771	-0.203734	0.005579	-0.104127	0.054004	-0.033018	0.039052	0.0278	0.076327	0.002623	0.034471
49	834.6/184.1>GPCho:40:6a	-0.123826	0.133728	0.076228	-0.107221	-0.087112	-0.029187	0.093786	0.15946	0.199431	0.028025	-0.117846
50	836.6/184.1>GPCho:40:5a	-0.147413	0.031042	0.02156	-0.134205	-0.090746	-0.167277	0.056509	0.243957	0.181378	-0.129031	0.005225
51	838.6/184.1>GPCho:40:4a	-0.130804	-0.092637	-0.041765	-0.112063	-0.093568	-0.21821	-0.021772	0.145751	-0.050907	-0.086774	0.132506
52	701.5/184.1>SM:18/16:1	0.174863	0.054533	0.041256	-0.006086	0.04713	0.065263	0.181832	0.056058	-0.216239	-0.064859	-0.004381
53	703.5/184.1>SM:18/16:0	0.197672	0.073169	0.007975	-0.035504	0.068736	0.021334	-0.051376	-0.018027	-0.010534	0.011	-0.008116
54	703.8/184.4>SM:d18:1/16:0	0.190912	0.079085	0.009778	-0.046261	0.090404	0.016235	-0.094065	-0.037039	-0.049616	0.013372	0.017931
55	705.8/184.4>SM: d18:0 / 16:0	0.185708	0.091908	-0.00808	-0.048309	0.065687	-0.019604	-0.11922	-0.041507	0.00266	0.065424	-0.098675
56	727.6/184.1>SM:18/18:2	0.138094	-0.052216	0.067345	0.064218	0.125262	-0.031739	0.269082	-0.005084	-0.098356	0.083921	0.094701
57	729.6/184.1>SM:18/18:1	0.166297	0.044619	-0.040686	-0.027865	0.052039	0.00332	0.346542	0.082569	-0.109391	0.066303	0.166276
58	731.6/184.1>SM:18/18:0	0.177202	0.050606	-0.115017	-0.034289	0.037592	-0.079784	0.146137	0.034741	0.075882	0.148007	0.058901
59	731.8/184.4>SM: d18:1 / 18:0	0.177617	0.052992	-0.115591	-0.041088	0.044994	-0.077715	0.124917	0.033824	0.057871	0.146928	0.065155
60	733.8/184.4>SM: d18:0 / 18:0	0.108678	-0.005076	-0.203139	-0.049095	-0.121503	-0.056448	0.082278	-0.034285	0.036265	0.301706	-0.220314
61	757.6/184.1>SM:18/20:1	0.072954	-0.191597	0.025487	0.026063	0.027517	0.057079	0.098408	0.021759	-0.105481	-0.07307	0.17682
62	759.6/184.1>SM:18/20:0	-0.138628	-0.047605	-0.023747	0.162555	0.221363	0.078181	0.078125	0.016918	0.077963	-0.156144	-0.109716
63	759.8/184.4>SM: d18:1 / 20:0	-0.133676	-0.041488	-0.02293	0.163623	0.222516	0.083383	0.080458	0.039369	0.038955	-0.157625	-0.154805
64	761.8/184.4>SM: d18:0 / 20:0	-0.087383	-0.076648	-0.202983	-0.079866	-0.103958	0.195487	-0.017219	0.086153	-0.085119	-0.110815	0.006763
65	773.6/184.1>SM:18/21:0	0.062995	-0.075392	0.248463	0.028988	0.010502	0.046947	0.138379	0.192271	0.041345	-0.050555	-0.167015
66	787.6/184.1>SM:18/22:0	-0.047036	-0.07085	0.189389	0.237948	-0.047586	-0.099195	-0.014702	0.048846	0.081951	0.223679	0.006853
67	787.9/184.4>SM: d18:1 / 22:0	-0.002832	-0.052333	0.210723	0.234121	-0.04487	-0.143759	-0.070552	0.091347	0.022369	0.175667	-0.053374
68	789.9/184.4>SM: d18:0 / 22:0	-0.024043	-0.184906	-0.003083	0.044162	-0.182462	-0.05006	-0.072662	0.081304	-0.0527	0.216834	0.12444
69	813.6/184.1>SM:18/24:1	0.194602	0.070344	-0.008136	-0.062272	0.018756	-0.077431	-0.099914	-0.008474	0.0166	-0.034233	0.068008
70	813.9/184.4>SM: d18:1 / 24:1	0.19116	0.069747	-0.005777	-0.070742	0.034726	-0.06122	-0.124911	-0.001205	0.003224	-0.041479	0.028735
71	815.6/184.1>SM:18/24:0	0.159363	0.061639	0.126831	0.014389	-0.011496	-0.150537	-0.166856	-0.002653	-0.064114	-0.163532	-0.052161
72	815.9/184.4>SM: d18:0 / 24:1	0.155088	0.052273	0.125887	0.035572	0.003477	-0.175547	-0.149638	0.021578	-0.061853	-0.107419	-0.091924
73	817.9/184.4>SM: d18:0 / 24:0	0.051608	-0.167417	0.083564	0.021214	0.033368	-0.236814	-0.059018	-0.102495	0.002984	0.008567	-0.053839
74	841.9/184.4>SM: d18:1 / 26:1	0.069608	-0.191903	-0.051959	-0.047083	0.040654	-0.174985	-0.001794	0.054144	0.025394	-0.048335	0.039256
75	843.9/184.4>SM: d18:0 / 26:1	-0.099793	-0.121445	-0.046608	-0.085257	0.082891	-0.182677	0.130758	-0.347484	0.033302	0.08331	-0.130289
76	843.9/184.4>SM: d18:1 / 26:0	-0.100002	-0.120435	-0.045562	-0.085924	0.081284	-0.184259	0.132051	-0.348655	0.030656	0.079928	-0.129524
77	845.9/184.4>SM: d18:0 / 26:0	-0.110449	-0.108505	-0.061291	-0.120914	0.046226	-0.123136	0.13281	-0.364235	0.001482	0.094389	-0.130356

	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	0.015303	-0.018944	-0.131115	-0.024904	0.200233	0.151066	0.077442	-0.032993	-0.120186	0.003021	-0.071116	0.011397	0.244329	-0.037457
2	0.123679	0.218042	-0.0173	0.09317	-0.200065	-0.029733	0.272797	-0.197866	-0.053456	0.199295	0.000092	-0.064846	-0.174826	0.211802
3	0.09964	0.020918	-0.049638	0.094867	0.039896	-0.039632	-0.072296	-0.153845	-0.057089	-0.014051	0.083504	-0.091726	0.119784	-0.285285
4	0.030338	0.046773	-0.14231	-0.000966	-0.060523	0.039228	-0.067435	0.04586	-0.049613	-0.110154	0.02006	0.083687	0.095371	-0.128589
5	0.239979	0.184009	0.181092	0.065072	-0.294644	0.024779	0.060207	-0.01741	-0.11963	-0.123756	0.090643	-0.035275	0.058441	0.036899
6	0.109542	-0.26485	-0.064384	0.263909	0.048481	-0.219226	-0.179277	-0.019881	0.039738	-0.063103	-0.151789	-0.034452	-0.203739	-0.059928
7	-0.105456	-0.219919	-0.005277	0.01803	0.167316	-0.108755	-0.052026	0.013984	0.087959	0.118376	-0.021421	0.126834	-0.224706	-0.037581
8	0.000675	-0.167004	-0.110314	0.09505	0.166455	-0.108756	-0.096796	0.040784	0.03295	0.021395	0.188903	0.020716	-0.003845	0.185834
9	-0.045764	0.152489	0.074984	0.116459	0.072797	0.033279	-0.208561	0.004969	0.190664	-0.155246	0.050607	-0.019769	-0.024326	0.124601
10	-0.025676	0.183852	0.050833	0.099438	0.038744	0.043468	-0.256149	-0.049884	0.223437	-0.260997	0.02103	-0.033581	-0.154088	0.036682
11	0.114395	0.072246	-0.045094	-0.078133	0.054438	-0.034327	-0.044952	0.194505	-0.078281	0.191283	0.113254	0.118784	-0.153853	0.078881
12	0.067988	0.212805	-0.088383	0.106668	0.243306	0.027498	0.082817	0.067517	0.027702	0.106321	0.036028	0.010006	-0.100545	-0.074881
13	-0.045966	-0.042824	0.015693	-0.162404	-0.136537	0.120004	-0.199222	-0.179457	-0.273797	-0.013558	-0.04153	0.008288	-0.187697	-0.214879
14	-0.062829	0.062256	-0.106818	-0.10947	0.106976	-0.006014	0.063502	-0.096902	0.060424	-0.100277	0.14918	-0.047252	-0.204179	0.159082
15	-0.192807	-0.067396	0.039554	-0.088035	0.235275	-0.006613	0.211434	-0.081771	-0.021214	-0.010549	-0.035315	-0.024683	0.04306	0.109448
16	0.251411	-0.01449	-0.023652	0.058471	-0.134714	0.047557	0.136436	0.017958	0.277815	0.173842	0.228693	0.093356	0.017947	-0.038534
17	-0.104558	-0.058088	0.299174	-0.057585	-0.035404	-0.099534	-0.219976	0.161188	-0.275913	0.085678	-0.080457	0.030132	-0.125635	0.059231
18	-0.065394	0.126432	-0.041973	-0.174205	0.086233	-0.27591	0.032494	-0.189236	0.085976	0.217735	-0.228031	-0.227729	-0.064998	0.142885
19	0.118155	-0.158564	-0.139331	-0.069501	0.029896	0.222678	-0.040089	-0.22489	-0.211271	-0.048339	0.090167	-0.138208	-0.075353	0.13428
20	0.091471	-0.158114	-0.116693	0.06433	-0.199131	0.147236	0.111143	-0.218787	0.007076	0.000074	0.056863	-0.004042	-0.247882	0.051156
21	-0.12416	-0.104268	0.155872	0.295312	0.141985	0.140137	0.036292	0.168199	-0.042361	0.104619	0.114805	-0.065774	0.048849	0.109074
22	-0.059579	0.122216	0.043416	-0.022577	0.070402	0.148961	0.173174	0.167153	-0.051862	-0.335739	-0.065735	0.029833	-0.174527	-0.049946
23	-0.139904	-0.019318	-0.060321	-0.185734	-0.088667	0.031971	0.047791	0.098647	0.148184	-0.15135	-0.090191	-0.016545	-0.042752	-0.049677
24	-0.072646	-0.03116	-0.099982	-0.158255	-0.094499	-0.104935	-0.130636	-0.080057	0.203074	0.159309	0.033904	0.006353	0.072774	-0.011852
25	-0.176434	0.103911	0.003142	0.042098	-0.193824	0.019713	-0.026367	0.049821	0.15598	0.156008	-0.015817	-0.134622	-0.027724	-0.217579
26	-0.158395	0.097612	0.02591	-0.09539	0.030312	-0.091591	0.057513	-0.03199	-0.002158	0.068777	-0.016013	-0.006783	0.090746	0.039528
27	0.135396	-0.140604	0.052155	0.153272	0.059826	-0.077485	0.045877	-0.044973	0.123435	0.073434	-0.047073	-0.068734	0.059056	0.152989
28	0.09983	-0.142494	-0.102858	-0.065656	-0.125227	-0.234819	0.125564	0.16546	0.038043	-0.195601	-0.113765	0.014247	0.108168	-0.076807
29	0.077205	-0.103961	-0.061164	0.238046	-0.154212	-0.113741	-0.057244	-0.072767	0.0029	0.024104	-0.134428	-0.032241	0.053144	-0.055555
30	0.025144	-0.05303	0.060765	0.097951	0.076525	0.113473	0.148558	-0.227868	0.0336	0.165059	0.058904	0.368521	-0.078177	-0.026056
31	0.090421	0.08191	0.113426	-0.106364	0.166313	0.156383	-0.058708	-0.070735	0.102922	-0.028201	-0.121305	-0.040726	-0.055802	0.041079
32	-0.037447	0.030709	-0.079649	-0.024036	0.071004	-0.078791	-0.032522	0.075635	0.183151	0.073273	-0.121454	-0.141896	-0.064798	-0.104091
33	-0.087764	-0.004032	-0.01199	0.046978	-0.012807	-0.090691	-0.028517	0.172406	-0.019776	0.042556	-0.129467	0.062738	-0.137082	-0.117614
34	-0.222591	0.109351	0.282124	-0.060816	-0.118156	0.145288	0.122952	0.131685	0.112545	0.217809	-0.062825	0.107872	-0.015095	-0.076219
35	-0.104612	0.041979	-0.038654	0.115393	0.005299	0.106946	-0.0739	0.08771	0.047453	-0.02796	-0.004297	-0.185507	0.169707	0.080189
36	-0.129601	0.084442	0.007072	0.167728	-0.149885	-0.009048	-0.034603	0.057321	-0.054331	-0.19122	0.147299	-0.03735	-0.078508	0.033815
37	0.103419	0.059252	0.03077	0.052922	0.157253	-0.253287	0.14393	-0.119279	0.012635	-0.056108	0.033806	0.310709	0.120513	-0.098312
38	0.095991	-0.154528	0.098753	-0.122951	0.028895	0.023722	0.065011	0.149759	0.047241	-0.03597	0.029931	0.077683	0.164039	0.056927
39	-0.007498	-0.073796	-0.103689	0.079469	-0.006842	0.063704	-0.05446	0.037335	-0.003876	0.0109	0.139	-0.100652	0.152433	0.212548
40	0.11656	-0.094251	-0.00439	0.12394	-0.108604	0.051144	-0.018314	0.042725	-0.02745	-0.057366	-0.074842	-0.195417	0.046454	-0.008399
41	0.203038	-0.188192	0.186343	-0.179141	0.126232	0.110013	0.122196	-0.092279	-0.045727	0.039545	0.010267	0.039698	-0.090606	-0.190279

	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
42	-0.040346	-0.128917	0.111582	-0.093955	0.114822	0.051395	-0.061869	-0.118867	0.09798	0.02973	-0.13731	-0.096411	0.053093	0.07689
43	-0.163066	-0.08575	-0.169728	-0.011343	0.076795	0.002673	0.104634	0.019406	0.17133	0.013561	0.019503	-0.130338	-0.039478	-0.136859
44	-0.136417	0.038453	0.004546	0.014216	0.03414	0.049815	0.066501	-0.000576	0.050459	0.023437	0.041969	0.036707	-0.01073	0.005164
45	0.017988	0.184294	-0.099622	0.017575	0.214338	-0.053481	-0.06934	-0.191493	-0.048923	-0.204938	-0.054775	0.137032	0.178237	-0.089862
46	-0.016029	0.148621	-0.08332	-0.030782	0.167449	-0.070112	0.016814	-0.010182	-0.037531	-0.111456	0.146174	0.034685	-0.086457	-0.134159
47	0.022187	-0.006329	0.103886	0.078027	0.098207	-0.065897	-0.128367	-0.086221	0.084802	0.118956	0.006099	-0.043451	0.070601	-0.078506
48	-0.005279	-0.054179	0.105721	0.098773	0.004565	-0.001645	-0.052338	-0.113142	0.031086	0.039252	-0.056563	0.092632	0.097123	-0.082578
49	-0.098766	-0.020539	0.044926	-0.056198	-0.031859	0.197151	-0.01468	0.025599	-0.063605	0.145662	0.044877	0.047942	0.006569	-0.074409
50	0.034317	0.155342	-0.134496	-0.15319	0.093243	0.126204	-0.073446	0.031995	-0.124847	0.137009	-0.017289	-0.190695	0.109721	0.106489
51	0.101765	0.136623	-0.223217	-0.081645	0.123989	-0.015752	-0.000833	0.133514	-0.179929	0.03985	-0.004409	-0.094521	-0.084986	0.213386
52	0.229665	0.053254	-0.04812	-0.106734	0.085619	0.09676	-0.082412	0.145032	0.084828	0.065776	0.154355	-0.164912	0.15586	-0.31995
53	0.127392	0.043062	-0.051486	-0.06755	0.071939	-0.060899	-0.09594	0.116022	0.037357	0.179638	-0.023189	-0.01003	-0.013228	-0.05181
54	0.093974	0.02546	-0.011038	-0.035686	0.068222	-0.077765	-0.024911	0.230877	-0.08164	0.007816	-0.026774	0.123586	-0.077329	0.165991
55	0.076181	0.116451	-0.024691	0.01222	0.048174	-0.040869	-0.056034	0.133135	-0.176891	0.136887	0.007934	0.074784	0.114152	-0.034605
56	-0.012181	0.111346	-0.340956	0.16154	-0.122188	0.337212	-0.096642	0.043626	0.127064	0.120831	-0.408903	0.351749	0.130582	0.153121
57	-0.036523	0.070065	-0.087347	-0.062217	-0.112638	0.038728	-0.020304	-0.055282	0.108493	-0.02745	0.208507	-0.080779	-0.125237	-0.089569
58	-0.087892	0.08597	0.101246	0.028747	-0.0874	-0.204875	0.084039	-0.091519	0.036272	0.016713	0.003452	-0.072905	0.058873	0.029401
59	-0.099171	0.08495	0.116136	0.027457	-0.081594	-0.196721	0.104098	-0.060581	-0.017676	-0.038419	0.02391	-0.047033	0.058203	0.127401
60	-0.226164	0.090575	0.059259	0.094172	0.049392	0.003484	0.150668	-0.072346	-0.26299	0.062552	-0.038861	-0.058018	0.122212	-0.146001
61	-0.159534	-0.148066	0.063129	0.289337	0.098997	0.146631	0.07021	0.132727	0.015854	0.06873	0.252939	-0.107138	0.093539	-0.004594
62	-0.023307	0.020938	-0.077556	0.071719	0.068583	-0.082793	0.008736	-0.091897	-0.07832	0.108267	0.093782	-0.08549	0.029395	-0.136815
63	-0.070059	0.025773	-0.067919	0.08764	0.025752	-0.138597	-0.064799	-0.115851	-0.19104	0.080664	0.176265	0.035208	0.043578	0.030678
64	-0.148114	-0.051017	-0.090858	-0.1138	-0.176825	-0.108861	-0.188222	0.016431	-0.073911	0.033451	0.097158	0.123189	0.139018	0.041373
65	0.10488	-0.103805	-0.050219	-0.042359	-0.124883	-0.108547	0.348666	0.181832	-0.095217	-0.030879	-0.102891	-0.119419	0.123322	0.025753
66	0.022492	0.14258	0.084646	-0.129836	-0.059659	0.023747	-0.11127	-0.033862	0.098887	0.095639	0.250107	0.047864	0.028785	0.01447
67	-0.046272	0.056461	-0.013477	-0.075158	-0.089361	-0.085832	-0.083371	-0.117068	0.072339	0.004585	0.190285	0.198515	0.141375	0.139773
68	-0.094724	0.022307	-0.129356	0.050212	-0.092568	-0.180793	-0.124104	0.138069	-0.165877	0.048571	0.124069	0.141061	-0.014726	-0.029567
69	-0.057769	-0.119699	0.131533	-0.065708	-0.006057	0.086515	-0.08975	-0.107919	-0.037964	-0.05919	-0.026021	-0.040891	0.08197	0.011952
70	-0.068754	-0.135988	0.12639	-0.081067	-0.020814	0.051961	-0.146973	-0.157657	-0.061874	-0.072212	-0.062312	0.075268	0.18004	0.143563
71	-0.15924	-0.080072	-0.099775	-0.106554	-0.013387	0.019609	0.124834	-0.042546	0.117459	-0.120632	0.17042	-0.039582	0.118462	0.056493
72	-0.205847	-0.100942	-0.246595	-0.072571	-0.094108	-0.027676	0.132271	-0.074929	0.009717	-0.069237	0.007607	0.073811	0.094647	-0.080592
73	-0.205251	-0.134709	-0.273059	0.050213	-0.032184	0.066195	0.036743	-0.002497	-0.139788	0.108739	0.050305	0.005577	-0.199228	-0.092853
74	0.024135	0.099391	-0.020814	0.132242	-0.060577	0.024476	-0.08778	-0.143431	-0.062466	0.162133	-0.133222	-0.222016	0.094027	-0.057091
75	0.058178	-0.108725	-0.016653	-0.147566	-0.042142	0.009907	-0.066412	0.036875	0.01731	0.041346	0.045282	-0.017031	0.036519	0.015405
76	0.056667	-0.106353	-0.030162	-0.154625	-0.044188	0.004257	-0.065394	0.042551	0.033774	0.049876	0.052348	-0.019444	0.05038	-0.003861
77	0.024901	-0.164778	-0.006777	-0.188091	-0.055915	0.007124	-0.06893	0.069616	0.049507	0.071251	0.084448	-0.023554	0.004735	0.092517

	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN
1	0.117569	0.216293	0.04201	-0.100807	-0.035313	-0.177364	-0.076136	0.177	0.07421	-0.316918	-0.085818	-0.054812	0.138737	-0.018449
2	0.197726	-0.112249	0.095255	-0.140506	-0.102445	0.115844	0.129019	0.024115	-0.161823	0.030813	0.088596	0.06049	0.090789	0.180351
3	-0.293919	0.178463	-0.221742	0.029511	0.042088	-0.059749	0.285133	-0.196169	-0.035516	0.107485	0.114295	-0.09031	-0.136626	0.156858
4	-0.258216	-0.028999	0.025835	0.045532	0.050084	0.008047	-0.290654	-0.02702	0.186474	0.147957	-0.101429	-0.146925	0.208207	-0.050952
5	0.19109	-0.122299	-0.137246	0.165422	0.04177	-0.15349	-0.054347	0.083014	0.100204	-0.055606	0.037344	0.013674	-0.267285	-0.097947
6	0.005274	0.183658	0.159765	-0.11932	-0.041464	0.02599	0.111944	0.032006	0.170996	0.102168	0.010801	0.136513	-0.052885	-0.006025
7	0.114665	-0.000579	0.104894	-0.086761	0.221215	-0.016252	-0.194706	0.101665	-0.076023	0.052235	-0.030785	0.01254	-0.11004	0.07777
8	0.128871	0.082839	-0.075616	0.307686	-0.011755	0.169561	0.090887	-0.050099	-0.058667	-0.132708	-0.024713	0.047054	0.06649	-0.316638
9	-0.11711	0.017664	0.1705	-0.005752	-0.055884	-0.028748	0.003541	0.000293	0.063915	0.086397	0.052716	-0.121744	-0.157408	-0.023128
10	-0.093512	0.025027	0.118714	0.047725	-0.004662	0.02545	-0.026989	-0.038494	-0.017824	-0.088012	-0.054568	0.144802	0.002543	0.003926
11	-0.018794	-0.032988	-0.05098	-0.046887	0.058869	-0.053099	-0.103077	-0.012238	0.065998	-0.216431	0.150175	-0.061151	0.021721	-0.118048
12	-0.038787	-0.208519	-0.099489	-0.002082	0.060099	-0.070036	0.186303	-0.037043	-0.132044	0.185134	0.091708	0.007788	0.126008	-0.150821
13	0.212341	0.089533	-0.154951	-0.128502	-0.392512	0.229761	0.023544	-0.080133	-0.17526	-0.031391	-0.175386	-0.123806	-0.048196	-0.12504
14	0.036465	-0.092907	-0.173917	-0.019453	0.16954	-0.143297	0.131919	0.20679	-0.010584	0.039446	-0.137834	-0.014445	0.077026	0.160192
15	0.152721	0.232476	0.051593	-0.027763	0.002604	-0.01749	0.026906	-0.033626	-0.046398	-0.151271	0.0083	-0.109702	-0.153289	0.156844
16	0.066915	0.425108	-0.114733	0.072261	-0.204419	-0.140536	0.065228	0.043606	0.215333	0.014794	0.098494	0.089101	0.031968	0.015656
17	0.034319	0.23586	-0.257907	0.164445	0.019381	-0.1449	-0.187903	-0.070775	0.063407	0.02612	0.212485	0.050141	0.085736	0.14059
18	-0.073486	-0.034952	-0.185067	0.042899	-0.05171	0.099222	-0.015452	0.080946	0.205744	-0.005383	0.247883	0.157945	0.079499	-0.125949
19	-0.024588	-0.008667	0.181207	-0.040871	0.251854	-0.059332	-0.118712	-0.251488	-0.161539	0.103008	0.0447	0.293043	-0.096785	-0.061089
20	-0.212751	-0.042447	0.07129	0.20338	0.090589	0.165727	0.036885	0.099088	0.099965	-0.166972	-0.05115	-0.092277	0.018406	0.267417
21	-0.087649	-0.023741	-0.088521	-0.081891	-0.072447	0.184214	-0.025032	0.048186	-0.004608	-0.024494	0.033089	0.176445	0.03175	0.046693
22	-0.012389	0.091233	-0.063198	0.010454	0.027606	0.068044	0.111401	0.064356	-0.061281	-0.128261	0.066237	0.098552	0.047896	-0.192643
23	0.067196	0.058096	-0.067056	0.057458	0.06409	0.031363	0.046439	0.091409	-0.012687	0.194383	0.00587	0.070911	-0.07147	-0.186045
24	0.005888	-0.107065	-0.083182	0.019427	-0.007005	0.036176	-0.033711	-0.037127	-0.197265	0.033421	0.105619	-0.109649	-0.107191	-0.037733
25	0.024124	0.093983	0.119627	0.032032	-0.164716	-0.043488	0.097677	0.062936	0.032102	0.018148	-0.245271	0.0338	0.228165	0.074031
26	-0.121426	-0.029762	0.105708	-0.058521	-0.116892	-0.014323	0.065032	0.015827	0.02105	-0.005117	-0.221257	0.03232	-0.275829	-0.060687
27	-0.005061	-0.154038	-0.089081	-0.12617	-0.102065	0.036625	0.008661	0.184151	0.246292	0.074471	-0.149524	-0.210568	-0.216527	-0.195448
28	-0.142505	-0.074579	-0.067794	-0.122328	0.075052	0.134301	0.110007	0.019939	-0.045928	-0.008255	-0.022791	0.095482	0.186673	0.117206
29	0.135935	-0.05726	-0.126397	-0.146176	0.151844	-0.15276	-0.058461	-0.129106	0.009375	-0.071269	-0.006167	0.227594	-0.121443	-0.04655
30	-0.029446	-0.123401	0.027921	0.128867	-0.089451	-0.008111	-0.222072	-0.295009	0.032067	0.133419	-0.123992	0.024169	0.168841	-0.099852
31	0.073719	-0.062108	-0.063016	0.020728	-0.019171	-0.109776	-0.077841	0.01128	0.000937	0.13087	-0.038311	-0.202096	0.042036	0.098702
32	0.086172	-0.111298	0.12141	0.068217	-0.085872	0.03952	-0.008268	-0.078761	-0.101825	-0.118547	0.002485	-0.07665	0.05081	0.086905
33	0.089372	-0.140461	-0.042301	0.165192	0.002179	-0.103374	0.071168	-0.139197	0.102267	-0.094965	0.126376	-0.03722	-0.003815	0.250296
34	-0.067287	0.134424	0.050457	0.101857	0.347356	0.192616	0.121589	-0.075037	0.098889	-0.026517	-0.109389	0.062243	-0.140713	-0.022738
35	0.152209	0.06142	0.062793	0.095982	-0.084377	-0.172283	0.109191	0.000706	-0.236757	0.058204	0.080035	0.026633	0.054546	0.010465
36	0.019874	0.020654	0.067108	-0.042874	0.116214	0.017654	-0.072284	-0.022295	-0.070161	-0.171152	0.12312	-0.382338	0.051281	-0.017342
37	-0.129272	0.056285	-0.16395	-0.054366	0.119812	-0.0651	0.083864	-0.041148	-0.255105	-0.202605	0.002366	-0.086149	-0.124389	-0.034818
38	0.167145	-0.154804	0.065913	0.146832	-0.020277	-0.26083	0.21587	-0.206817	0.062336	0.021612	-0.307842	0.093451	0.059444	0.021971
39	-0.018954	-0.093608	-0.202222	0.221512	-0.103806	0.201096	0.024034	-0.080797	-0.03112	-0.023193	-0.094634	-0.096803	0.04809	0.013286
40	0.027407	-0.022626	-0.167098	-0.097916	0.024132	0.044445	-0.106437	0.000486	-0.0041	0.012731	0.017681	-0.121024	0.077575	0.150382
41	-0.174145	0.05274	0.172234	0.134271	-0.062308	0.141526	0.098703	0.226298	-0.044443	0.002587	0.177799	-0.081427	-0.004622	-0.083145

	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN
42	0.087435	-0.091041	0.037457	0.033589	0.020889	-0.071168	0.088613	-0.12043	0.051968	-0.106186	0.137069	-0.054712	0.174381	-0.041949
43	0.029331	0.012283	-0.055809	0.113366	0.027378	-0.02758	-0.135747	-0.190436	-0.043583	-0.058414	-0.053775	0.043065	-0.016348	0.147677
44	0.059697	-0.099216	-0.007786	0.010178	0.020601	0.000124	-0.131791	0.070186	0.036497	0.050495	0.229014	-0.21041	0.035009	-0.113199
45	0.068855	-0.092583	0.024369	0.188492	-0.209403	0.064228	-0.230127	0.201405	0.085008	-0.060448	0.088246	0.310801	-0.016332	0.184966
46	0.137869	0.096603	0.075305	-0.172694	-0.049615	0.034084	0.014108	-0.099727	0.184943	0.268352	0.07761	-0.070935	0.023305	0.023611
47	0.071277	0.071428	0.059655	-0.151885	0.13199	-0.028755	-0.003037	-0.035038	0.036548	0.103138	-0.025636	-0.144811	0.133189	-0.07857
48	0.031734	-0.072855	-0.131221	-0.112691	0.059758	-0.043067	0.050051	0.03622	-0.054645	0.017884	-0.042733	-0.086507	0.202246	-0.127667
49	-0.178639	-0.190068	0.021621	-0.246728	-0.037443	-0.282414	0.048607	0.150998	0.051396	-0.053439	0.112963	0.075921	-0.093354	0.118716
50	-0.289338	0.035354	-0.009191	0.00725	-0.021852	-0.132802	0.066118	-0.013659	0.029054	-0.016702	0.000179	0.08098	0.038822	-0.004578
51	-0.028935	0.242291	-0.030292	-0.097715	0.073333	0.104256	0.085178	-0.226135	0.113908	0.105642	-0.13922	-0.125877	-0.06858	0.001896
52	0.251271	-0.128588	0.104965	0.14949	0.124614	0.211383	-0.000428	0.031294	0.033171	0.059307	0.147117	-0.007998	-0.247522	0.049288
53	-0.119262	0.034911	0.026315	-0.074577	-0.100444	0.057997	-0.130745	0.081556	-0.215521	-0.13753	-0.1323	-0.017506	-0.043807	0.053859
54	-0.043363	-0.003781	0.042167	0.045125	-0.0401	0.028013	-0.046902	0.166635	0.062645	0.094321	-0.223633	-0.004983	-0.051775	0.13568
55	0.013369	-0.074482	-0.018155	-0.004341	0.030211	0.063596	-0.052134	0.027384	-0.049806	0.072217	-0.079969	-0.007804	0.084322	0.078507
56	0.005424	0.08819	0.044255	-0.014368	-0.021315	0.094348	0.056435	-0.103047	0.040867	-0.031957	0.195917	-0.061894	-0.11921	0.000121
57	-0.079227	-0.035521	-0.015365	-0.049041	0.050774	-0.147703	-0.022499	-0.056398	0.139355	-0.08311	0.034703	0.052526	0.221369	-0.184918
58	-0.187494	0.072733	0.068511	0.135466	-0.131856	-0.069913	-0.147932	-0.131776	-0.162463	-0.0243	0.030224	-0.043839	-0.080234	-0.033258
59	-0.166107	0.037772	0.126701	0.097835	-0.11903	-0.058658	-0.094737	-0.110541	0.004495	0.060285	-0.054397	-0.012132	-0.092424	-0.047685
60	0.05645	-0.083899	-0.045387	0.01213	0.064599	0.247818	0.037843	-0.066422	0.219408	0.155771	-0.016249	0.093116	-0.007371	-0.020446
61	-0.116979	-0.007513	-0.046429	-0.10542	-0.121214	0.069526	-0.078122	0.107894	-0.146041	0.09387	0.101588	0.088606	-0.000383	0.06216
62	-0.003262	-0.012891	0.191104	0.054915	0.019652	-0.059704	-0.011309	-0.091894	0.065514	-0.184208	-0.002172	-0.087642	-0.09447	0.036838
63	0.137542	0.000693	0.184223	0.148165	0.070166	-0.022415	0.166378	0.053197	0.204098	-0.049657	0.011664	-0.149445	0.115132	0.15207
64	0.007165	-0.096043	0.057006	-0.043836	0.01598	-0.022171	-0.025866	0.089027	-0.008524	0.126371	-0.008053	-0.0198	-0.044985	0.04321
65	0.040966	0.100724	0.333283	-0.03793	-0.055254	-0.069742	-0.168863	-0.040577	-0.083503	0.147168	0.179232	-0.084552	0.106864	-0.126447
66	0.101537	0.100469	0.019033	-0.281617	0.004761	0.070405	-0.07177	-0.06953	0.000142	-0.133779	-0.058142	0.169042	0.031611	-0.00536
67	0.093602	0.219183	0.054636	0.024836	0.133045	0.063658	0.013976	0.18968	-0.162631	0.246766	0.101111	0.081218	0.092924	0.113048
68	-0.029517	-0.15115	0.204099	-0.053664	-0.028273	0.052974	0.236755	0.021163	0.0204	-0.199195	0.105842	0.09898	0.034691	-0.189286
69	-0.048091	-0.018874	0.120463	-0.072885	-0.09013	0.002144	0.121036	-0.023647	0.1689	-0.130348	0.066604	0.041952	0.041158	-0.09507
70	-0.028675	-0.017722	0.073776	0.026004	0.039891	-0.006302	0.246175	0.043793	-0.01128	0.112559	0.096525	-0.091305	0.059964	0.047887
71	0.064033	-0.043221	-0.117863	-0.2229	0.02508	0.079593	-0.138365	-0.116103	0.262849	-0.118193	0.055401	-0.034176	-0.140923	0.040609
72	0.019272	0.057443	-0.168917	0.019961	0.051942	0.042349	0.009703	0.109476	0.000286	0.015384	-0.021834	0.018269	0.072268	-0.02092
73	0.005312	0.015035	-0.047851	0.178201	-0.12222	-0.319531	0.020045	0.184157	-0.024413	0.159878	-0.008992	-0.026296	-0.228261	-0.166445
74	0.016509	0.144692	0.015299	0.109971	0.36119	0.004136	-0.120634	0.266661	-0.063492	-0.07218	-0.208278	-0.015986	0.051971	-0.176928
75	-0.073839	-0.022227	0.012085	0.068153	0.011572	0.058781	-0.080331	0.01658	0.033031	-0.041596	-0.005928	0.026568	0.017004	-0.022807
76	-0.067715	-0.003716	0.047053	0.067381	0.015582	0.079031	-0.064113	-0.032014	0.032621	-0.023697	0.067504	0.045015	0.037876	-0.018589
77	-0.045433	-0.034509	-0.059024	-0.086958	-0.033269	0.023134	0.02978	-0.031449	-0.024763	0.012861	0.074537	-0.055198	-0.037662	0.071723

	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB
1	-0.14062	0.122001	-0.051816	0.14887	-0.018784	-0.101135	-0.123599	-0.120974	-0.040053	0.186977	-0.059307	-0.047655	0.114081	-0.15051
2	0.032298	-0.074861	-0.187413	-0.088661	0.100325	0.080277	-0.042351	0.045274	0.014037	0.022271	0.006165	0.070663	0.044654	0.040175
3	0.189497	-0.024523	0.021242	0.158241	0.155396	0.169994	0.087733	-0.01561	-0.092893	-0.107557	-0.006158	-0.044285	0.037915	-0.115912
4	0.036944	-0.010098	-0.015294	-0.331314	-0.022569	-0.095782	-0.030741	-0.006409	0.12938	0.031875	0.063396	-0.073656	-0.068808	0.08281
5	-0.075484	0.101866	0.217867	0.116675	-0.188768	-0.049115	0.031258	-0.004865	-0.028013	-0.03643	0.149506	0.02421	-0.048354	0.002474
6	0.060635	0.03364	-0.025166	-0.090035	-0.18162	-0.188868	-0.144581	0.043759	0.183101	-0.081281	-0.259062	0.086558	-0.076509	-0.043964
7	-0.123905	0.018549	0.12468	0.099321	0.081482	-0.009858	0.092749	-0.036561	-0.13939	-0.026381	0.230663	0.181287	0.133323	-0.008667
8	-0.033662	-0.140377	-0.024081	0.213068	-0.091464	0.192942	0.049406	0.039606	0.127287	0.142308	-0.07574	0.01096	-0.070537	0.099917
9	-0.018464	0.034646	0.146698	-0.040628	0.158032	0.153437	-0.153151	0.08112	-0.22114	-0.042388	-0.188974	-0.149368	0.028529	0.09652
10	0.085566	0.118005	-0.136002	0.070094	-0.016046	-0.138823	0.219002	0.040258	0.104925	0.026765	0.298001	0.157101	-0.023429	-0.028656
11	0.185679	0.060531	-0.245613	0.050948	-0.145862	0.075716	-0.221516	-0.085432	-0.144722	-0.122467	0.102874	0.050742	-0.032499	0.088313
12	0.009008	-0.021394	0.059183	0.012624	-0.109708	-0.136712	-0.124738	-0.139788	0.14041	-0.032965	-0.085504	0.000263	0.042733	0.007693
13	0.00742	0.086401	0.116801	-0.080442	-0.059972	-0.066783	-0.119921	-0.023248	-0.0328	0.045463	0.022536	-0.116232	0.069045	0.027189
14	0.00651	0.031084	0.235433	-0.006202	0.027281	-0.048448	-0.058469	-0.098129	0.026983	0.09905	-0.101131	-0.211113	-0.05691	-0.178016
15	0.179298	-0.159031	-0.10491	-0.088227	-0.012277	0.021454	0.071141	0.001823	-0.00329	-0.224489	0.210421	-0.000145	-0.150503	0.164991
16	0.000594	0.07423	0.109094	-0.167128	-0.013535	0.006423	0.022766	0.062963	-0.033873	-0.032445	0.014926	0.011903	0.02256	-0.087855
17	-0.116095	-0.149491	-0.047896	-0.0865	-0.006817	0.164951	-0.049249	0.027241	0.143662	0.083476	-0.017626	0.1074	0.047318	-0.051015
18	0.068823	0.033505	0.001891	0.078805	-0.033724	-0.184591	0.170588	0.042238	-0.125002	0.035055	-0.022102	-0.060662	0.056059	0.02642
19	0.136567	0.081534	0.060931	-0.098077	0.107066	0.056573	-0.08655	-0.051878	-0.099093	0.117744	0.026899	0.046552	-0.143601	0.115411
20	-0.164376	-0.211369	0.009674	0.180844	-0.080273	-0.080061	0.0213	0.070894	0.12633	-0.013182	-0.091703	0.043168	0.138109	-0.090227
21	0.048271	-0.010727	-0.056792	-0.104099	-0.029124	-0.015296	0.018855	-0.019397	-0.152485	-0.025232	-0.037453	-0.082146	-0.135856	-0.151095
22	-0.00051	-0.021969	0.091287	0.037214	0.015081	0.077433	-0.207997	-0.069525	0.123465	0.005454	-0.098589	0.113354	-0.039547	-0.065597
23	0.07645	-0.17288	0.101817	0.096393	-0.022981	-0.066188	0.154062	-0.029284	-0.043598	0.000942	0.070688	0.04403	0.208998	0.153366
24	-0.018452	0.202066	-0.049951	0.093801	-0.067333	0.194597	0.003819	-0.089951	0.156021	-0.10421	-0.042059	0.101804	-0.263204	-0.316415
25	0.056598	-0.067191	0.07121	0.115455	-0.014798	0.122604	-0.011642	-0.322729	-0.221799	0.072617	0.026904	0.093203	-0.116028	0.167507
26	-0.047374	-0.025212	0.14518	-0.055911	-0.221444	0.05819	-0.172388	0.185064	0.145596	-0.241861	0.142338	0.23619	-0.002335	-0.174474
27	-0.069942	0.047152	-0.080725	-0.043355	0.227626	0.225087	-0.014587	-0.195856	0.096154	0.207741	0.105073	-0.00771	0.097859	0.153807
28	-0.270855	0.071105	-0.162975	-0.104105	-0.035761	0.108702	-0.103176	-0.2565	-0.06544	-0.225477	0.141818	0.063233	-0.100548	0.009302
29	-0.075263	0.049217	0.016448	-0.054224	-0.026484	0.062686	0.02577	-0.080149	-0.071081	0.132246	0.065751	-0.196931	-0.099678	-0.12359
30	-0.154188	-0.131618	0.097515	0.032276	-0.053497	0.072129	0.02976	-0.066938	0.005813	-0.160906	-0.027905	-0.077921	0.034762	0.044767
31	-0.149433	0.092419	-0.319444	0.067613	-0.092166	-0.022288	-0.073444	0.154513	-0.12397	-0.034189	-0.111257	0.08513	-0.048383	0.02364
32	0.098481	0.028508	0.137015	-0.254842	-0.128231	0.228427	0.089212	0.158842	0.242323	0.286006	-0.033309	-0.133266	-0.105898	-0.00497
33	-0.027747	0.047511	0.247056	0.126817	0.187673	-0.163068	-0.068039	-0.085961	-0.100939	-0.041571	-0.053224	0.078947	-0.19805	0.260488
34	0.063714	0.199405	-0.137845	-0.051771	0.110429	-0.139782	-0.094655	0.040791	0.145977	0.091992	-0.031315	-0.2967	-0.004218	0.005686
35	-0.281754	-0.03672	0.013773	-0.123458	0.300694	-0.030371	-0.086588	0.157161	0.096254	-0.028745	0.056184	0.130378	0.070117	-0.033999
36	0.05383	-0.07857	-0.070428	0.021434	-0.137924	0.12144	0.313921	-0.146768	-0.033304	-0.031643	-0.078243	-0.117419	-0.00182	-0.150517
37	-0.147438	0.026825	-0.00447	-0.095453	0.064856	-0.09026	0.069474	0.147612	0.049872	0.096073	-0.093262	-0.00727	0.050653	0.23403
38	0.333967	0.042761	-0.159995	0.001487	-0.118054	0.019779	0.155609	0.000475	-0.041352	0.013365	-0.189805	0.130701	0.112685	-0.023069
39	0.050819	0.072611	-0.013657	0.04621	0.109571	-0.220556	-0.19727	0.173071	-0.191141	-0.140647	0.100698	-0.049695	-0.153062	-0.053836
40	0.287847	0.012605	-0.134884	0.026558	0.043922	-0.069225	-0.058166	0.087147	0.207429	-0.010539	0.075644	0.032226	0.279127	0.13225
41	0.142342	0.13465	-0.013084	0.019134	0.185029	0.068397	-0.050928	-0.089717	0.012916	0.114469	0.075895	0.150895	-0.084869	-0.112583

	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB
42	-0.091563	0.193984	0.12733	-0.046972	-0.018311	-0.083221	-0.032917	-0.089299	0.146774	-0.230325	0.122966	-0.229815	0.208631	-0.089355
43	-0.081875	0.051366	-0.097261	0.046256	-0.007916	0.089323	-0.14921	-0.014092	-0.087695	0.097887	-0.039158	0.037101	0.226505	-0.220985
44	0.128898	0.072471	0.121811	-0.303733	0.051435	-0.047975	0.04227	-0.119229	-0.120035	-0.082955	-0.123747	0.200164	0.059887	-0.093381
45	0.211801	-0.010197	-0.004255	0.008502	0.057838	0.130138	0.013965	-0.105319	0.068425	-0.184147	-0.100567	-0.105626	0.074484	-0.015395
46	-0.106062	0.114657	-0.179083	0.289125	-0.138114	-0.081602	-0.03813	0.15393	-0.040543	0.177941	0.131219	-0.114567	-0.210126	-0.019175
47	0.116985	-0.332583	0.108359	0.183842	0.030334	0.131079	-0.242623	0.046175	0.050558	-0.140061	0.152498	-0.124776	0.078948	-0.013689
48	0.121337	-0.249109	0.051081	-0.088805	0.052985	-0.331659	0.125447	0.097604	-0.075042	0.134115	0.054582	0.253192	-0.19939	-0.262444
49	0.036244	-0.049364	0.078732	0.056699	-0.211779	0.110962	-0.049553	0.197169	0.009253	0.025431	-0.066855	0.031357	0.010887	0.02318
50	-0.124482	-0.281866	-0.015495	-0.041972	-0.066438	-0.01835	0.063241	-0.121391	0.094269	0.154064	0.142012	-0.061192	-0.097439	0.067175
51	-0.063059	0.125207	0.162813	-0.099897	-0.034098	-0.015041	0.164518	-0.124956	-0.042351	-0.12244	-0.109379	0.17814	0.206219	-0.04832
52	-0.192399	-0.281473	-0.100366	-0.138952	-0.099216	-0.12257	-0.018319	-0.071012	0.007349	-0.028913	-0.0158	-0.000791	0.031045	0.033824
53	-0.07575	0.051506	0.036453	-0.017552	-0.005408	-0.038436	0.196634	0.13994	-0.14114	0.006532	-0.239357	0.027646	-0.029871	0.162735
54	0.004099	-0.082758	0.0625	-0.045512	0.123816	0.069462	0.076255	0.114855	-0.0726	-0.022106	0.153111	-0.192014	-0.093185	-0.22253
55	0.118761	0.171022	0.157769	0.222163	0.203851	0.056316	0.062225	-0.036861	0.264884	0.103709	0.127454	0.152816	0.024871	-0.057684
56	0.02922	0.000982	0.002932	0.10026	-0.035438	0.0216	0.003899	-0.036845	0.038453	0.055904	0.059986	0.091083	-0.031317	-0.014855
57	-0.096691	0.17531	-0.093433	-0.039462	0.137562	0.192092	0.042098	0.258733	0.029715	-0.071073	0.06429	0.127543	0.078217	0.10183
58	0.006552	-0.000447	-0.045322	0.036925	-0.015073	-0.124345	-0.147034	-0.119917	-0.034093	0.117478	-0.037361	0.009529	-0.016512	0.018869
59	-0.008351	-0.051245	-0.048498	0.041241	-0.062433	-0.128275	-0.169074	-0.177707	0.091437	0.110447	0.010399	0.108594	0.066683	-0.034957
60	-0.13074	0.064603	-0.04846	-0.021792	-0.009923	0.196218	0.177852	0.12051	-0.048815	0.02884	-0.116958	0.114383	0.046094	-0.087278
61	-0.043211	0.222005	0.111449	0.124937	-0.227021	-0.098096	0.102629	-0.070196	0.101317	-0.014843	0.060537	0.021145	0.106609	0.202659
62	0.062247	0.0576	0.027268	-0.082268	-0.055586	-0.151624	0.049662	-0.040463	-0.080677	0.07841	0.177268	-0.02152	0.157164	-0.083625
63	-0.036284	0.158336	0.075394	-0.095573	0.001351	-0.021466	-0.054222	0.001922	0.159009	-0.000914	0.03826	0.112271	-0.180384	0.160613
64	0.002423	0.029341	-0.142567	0.184867	0.156123	-0.139488	-0.056653	0.020255	0.060958	0.010793	-0.245684	-0.004835	0.141599	0.006233
65	0.030484	0.008419	0.129837	0.211327	0.048725	-0.031438	0.105454	0.158948	0.041297	-0.088614	-0.09626	-0.174786	-0.110587	-0.071783
66	-0.049766	-0.039543	-0.041181	0.037555	0.19078	-0.12817	0.158395	-0.196941	0.253628	-0.227094	-0.1021	-0.066187	-0.088793	-0.01603
67	0.029194	-0.004017	0.001897	-0.109624	-0.119254	0.025222	-0.08291	-0.040737	-0.099432	0.173666	0.01522	0.032081	0.130827	-0.02139
68	0.060744	-0.100273	-0.033295	-0.058383	0.052314	-0.004673	-0.103124	0.086948	-0.165203	0.004701	0.070117	-0.084127	0.245907	-0.099113
69	-0.181487	-0.076173	0.00453	0.062538	0.166667	-0.013371	0.155895	0.039229	-0.027907	-0.070893	-0.077052	0.049994	-0.080577	0.029206
70	-0.08306	0.103428	-0.027484	-0.054314	-0.235939	0.053287	0.100349	-0.145003	-0.070545	0.044487	0.007271	-0.059456	-0.022833	0.102858
71	0.085485	-0.148598	0.080072	0.012411	0.093951	-0.009347	-0.141404	-0.046407	0.052369	0.167448	-0.167803	0.188124	-0.141538	0.019024
72	0.070459	0.032904	0.052351	-0.052616	-0.074864	0.039868	-0.020263	0.221976	0.012832	-0.052284	0.161436	-0.061937	-0.057687	0.180935
73	-0.004816	-0.015473	-0.286208	-0.082133	0.149061	-0.096419	0.132974	-0.123204	0.12142	-0.133057	-0.007254	-0.12532	-0.091301	-0.028791
74	0.061542	0.053701	0.023045	0.043274	-0.08087	0.071879	-0.091997	0.038907	-0.046819	-0.219877	-0.195987	0.076786	-0.10325	0.080945
75	-0.021882	0.044412	0.045502	0.035818	-0.016569	-0.037495	0.048206	0.028426	-0.036544	0.048931	0.042506	0.046272	-0.005706	-0.074379
76	-0.014355	0.062932	0.121153	-0.021336	-0.004771	-0.012181	-0.044273	0.036666	-0.101731	0.0602	0.025456	-0.021452	0.032097	-0.020231
77	0.07088	-0.04482	0.090561	0.020942	-0.079926	-0.017819	-0.025055	-0.016083	0.137169	-0.06102	-0.05651	-0.085258	-0.02131	0.109903

	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP
1	-0.01323	0.017241	0.150517	0.063524	-0.14359	0.146639	-0.016028	-0.050847	-0.166618	-0.045569	-0.118859	0.063015	-0.019458	-0.054995
2	0.050956	-0.028761	0.077899	0.091306	0.027549	0.042748	0.030546	0.151035	0.027508	-0.004461	-0.00349	-0.00821	0.081559	0.044513
3	-0.042861	0.023625	-0.087589	0.104614	-0.00937	0.046057	0.012202	0.062316	-0.018604	-0.015316	0.051673	-0.113941	0.101405	-0.087971
4	0.117023	-0.097505	-0.145067	-0.047099	0.055683	-0.157991	-0.064034	0.116909	0.105033	-0.007018	0.043585	0.018722	-0.023019	0.285311
5	-0.076302	0.122703	-0.015315	-0.197729	-0.05002	-0.011299	-0.087442	-0.092814	0.083457	0.172148	0.222561	0.098381	-0.001968	-0.02657
6	-0.040066	-0.038858	0.056291	-0.06183	-0.036209	0.138805	0.134219	-0.011922	-0.057822	0.103974	0.123144	0.040539	0.131762	0.058865
7	-0.176358	-0.148931	0.06841	0.131893	0.011144	-0.326627	-0.068883	0.029644	-0.062836	0.057039	0.149853	0.011789	-0.056837	0.009991
8	0.119554	0.032446	-0.001239	-0.006799	0.098769	0.060212	-0.009229	-0.069131	0.197414	0.021422	-0.109032	0.07077	0.077821	-0.054947
9	-0.009898	-0.162619	0.084995	0.031028	0.200082	-0.076257	-0.098295	-0.104171	-0.075481	0.116136	-0.058348	0.084512	0.131318	-0.043061
10	0.094417	0.04309	-0.055289	-0.023222	-0.148808	0.12328	0.049567	-0.021262	0.048377	-0.14961	0.059971	-0.10952	-0.057727	-0.014249
11	0.148509	-0.170895	-0.07148	0.059075	-0.007034	0.095553	0.265312	-0.043783	0.055857	0.020609	0.058417	-0.089327	0.098124	-0.040047
12	-0.121888	0.215501	-0.067648	0.063878	-0.074622	-0.16437	0.005354	0.157449	0.138881	0.08978	-0.072085	0.076642	-0.062276	0.002475
13	-0.130397	-0.039917	-0.127649	-0.041073	-0.027637	-0.012765	0.114705	-0.017644	-0.033882	0.075686	-0.039063	-0.055694	0.055291	0.098185
14	0.084304	-0.002785	-0.036898	0.057388	-0.066356	-0.037247	0.053862	-0.021406	0.17908	0.010479	0.026136	-0.11297	0.036193	-0.106423
15	-0.027793	0.149383	-0.220135	-0.085763	0.205494	0.002723	-0.070505	0.059497	-0.026156	0.072017	0.135455	0.017356	0.03151	0.102698
16	-0.055775	-0.068259	0.092341	0.056066	-0.008307	-0.120174	0.067202	0.061776	0.034007	0.044606	0.07898	-0.098184	-0.020983	-0.069664
17	0.024833	0.0594	0.064731	0.076775	0.005045	-0.101551	-0.115335	0.13272	0.13343	-0.094662	-0.026952	0.025184	-0.004718	-0.092645
18	-0.082665	-0.06317	-0.060458	-0.197817	0.054348	-0.024497	-0.023896	-0.089919	-0.084201	0.089285	0.09618	0.009637	-0.087697	0.121022
19	0.023071	0.01391	0.153545	-0.057041	-0.00985	0.026541	0.043444	-0.006378	0.031193	0.055336	0.004699	0.026917	-0.022042	-0.086377
20	0.048526	-0.021321	-0.106677	0.021243	0.055799	0.030528	-0.174331	-0.030903	-0.078993	-0.129207	-0.014094	0.086969	0.125248	0.065067
21	-0.087666	0.084289	-0.143782	0.019655	-0.25568	-0.123089	0.073626	-0.330252	-0.08042	-0.115291	0.165909	0.073156	0.278926	0.091643
22	0.059691	-0.062337	0.041582	0.10878	0.148823	0.081468	-0.133756	0.114289	-0.039168	0.092094	0.401329	0.075175	0.001486	0.255773
23	-0.010323	-0.052287	0.034895	-0.033456	-0.306211	0.038627	0.192521	0.163571	-0.032052	0.041519	-0.085344	-0.018493	0.34301	-0.022921
24	-0.050242	-0.135636	-0.12555	0.055962	-0.020095	0.118658	-0.136475	-0.057737	-0.00056	0.1322	-0.145743	0.180576	-0.023706	0.205065
25	0.053424	0.014378	0.001802	-0.064468	0.169054	-0.112252	-0.027091	-0.008897	0.109491	-0.078997	0.07772	0.244223	0.081851	0.01412
26	0.095253	0.094549	0.202625	0.250882	0.004331	-0.036302	0.082981	0.06321	-0.054719	0.000465	-0.051605	-0.087471	0.05425	-0.046628
27	0.170957	-0.002086	-0.074453	0.145918	-0.022751	0.055524	0.067151	0.042599	-0.006403	0.001515	0.094525	-0.113394	-0.091246	0.063402
28	-0.182214	0.066527	0.05569	-0.122267	-0.0202	0.097353	0.022622	-0.065249	0.110394	0.035662	0.042627	-0.03027	-0.039042	-0.214454
29	0.141613	0.032773	-0.114343	0.022197	0.030175	0.060743	-0.154242	0.348125	-0.08254	-0.094679	0.021633	0.008208	0.250093	0.126152
30	-0.13082	-0.005442	-0.102526	0.076475	-0.079702	0.180249	0.039922	-0.099446	-0.041373	0.122269	0.17423	-0.086644	0.012929	-0.089315
31	-0.06756	-0.106499	-0.020087	-0.080996	-0.018462	0.021455	0.017794	0.278171	0.051024	0.030104	0.024208	0.185648	0.360806	-0.170617
32	-0.138569	0.10398	0.094559	0.006501	0.021113	-0.040425	0.142064	0.021699	0.025981	-0.126663	0.158372	0.00204	0.017904	-0.190586
33	0.089679	-0.080742	0.040323	0.25506	-0.086643	0.230967	0.149989	-0.014286	-0.013855	-0.002613	-0.123851	-0.075137	-0.026762	0.208004
34	-0.031977	0.003571	-0.079173	0.004331	-0.058209	0.137814	0.00583	0.080419	-0.040682	0.105247	-0.029072	0.09768	-0.095551	-0.150103
35	-0.007559	-0.213307	-0.346135	-0.056446	-0.148075	0.077965	-0.004275	-0.141818	0.141857	0.088453	0.090121	-0.103087	-0.019399	0.0151
36	-0.105542	-0.128149	0.10552	-0.031303	-0.038389	0.026941	0.212487	0.121621	-0.102431	0.109197	0.088368	-0.177086	-0.065967	0.009599
37	-0.037071	-0.031779	0.076058	-0.141654	0.056279	-0.143431	0.165009	-0.06551	0.038043	-0.085884	-0.039708	0.126493	0.159525	0.20754
38	-0.107407	-0.081021	-0.011662	0.013679	0.03202	-0.017848	-0.168467	-0.001504	-0.050243	0.01658	0.028974	-0.123461	0.010402	0.193582
39	0.00165	-0.011499	0.248091	-0.02733	-0.038256	-0.104588	0.089412	0.287518	-0.03981	-0.21365	0.142898	0.037553	-0.117976	0.099366
40	-0.048353	0.079678	0.046372	0.219558	0.004125	0.005456	-0.069772	-0.189469	0.076967	0.302401	-0.083337	0.09339	0.035466	0.042402
41	0.041626	-0.065022	0.012084	-0.112939	-0.093379	-0.067893	-0.050445	0.0964	0.142201	0.038552	0.057035	-0.092423	0.046483	0.02533

	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP
42	-0.032754	-0.121465	0.022267	0.068881	0.225027	0.055192	-0.011537	0.046166	0.019119	-0.126828	0.16269	-0.091209	0.116624	0.019169
43	0.25874	0.140741	0.051292	-0.263867	-0.078754	-0.182501	0.125708	0.023087	-0.03184	0.308858	0.007899	-0.107755	-0.021195	0.199177
44	0.079913	0.362525	0.106017	-0.036416	-0.044473	0.159404	-0.244233	-0.078065	-0.016409	-0.128686	-0.114508	-0.114636	0.259595	0.024274
45	0.038133	-0.082746	-0.064256	0.062103	-0.064969	-0.016323	0.051382	0.135177	0.001426	0.047334	-0.02452	0.137956	-0.086763	-0.114068
46	-0.029826	0.095285	-0.037652	0.147739	0.043445	-0.053768	-0.232073	-0.119252	0.058374	-0.058878	0.000502	-0.177147	0.004255	0.069008
47	0.088223	0.105007	0.06743	-0.267688	-0.203733	0.202147	-0.042822	0.087844	0.002029	-0.058545	0.099294	0.104971	-0.104636	0.051198
48	0.170484	-0.174058	0.030234	0.040726	0.177251	0.057183	0.055497	0.005476	-0.041559	0.189457	0.008559	0.102906	-0.096541	-0.215636
49	0.151419	-0.046754	-0.163049	-0.203437	0.054525	0.05742	0.178816	-0.055184	0.069423	-0.103984	0.033106	0.0274	-0.098049	0.086456
50	-0.159354	-0.065448	0.142291	0.125921	0.01504	0.034136	-0.017452	0.011868	-0.145405	0.221239	0.091977	-0.170218	0.17623	0.095808
51	0.15826	-0.005073	-0.190353	-0.066937	0.049115	0.071256	0.027501	-0.001376	-0.000708	-0.101464	0.034447	0.245174	-0.115142	-0.103676
52	0.072587	-0.033662	0.015965	0.038195	0.095722	0.030888	0.043323	-0.058224	-0.148913	-0.08161	0.037542	0.048864	0.012228	0.013802
53	0.084658	0.050316	-0.033594	0.032977	-0.247333	0.238645	-0.319766	0.20802	0.045172	0.077657	0.267489	-0.135647	-0.088966	-0.044931
54	-0.113589	0.041907	0.073302	-0.083983	0.031549	0.189766	0.040109	0.031156	0.144769	0.286741	-0.13055	0.142135	0.155411	0.172608
55	-0.099379	-0.026157	0.026267	-0.129114	0.077398	0.026138	0.035938	-0.055362	-0.274557	-0.171489	0.138996	0.088921	0.251458	-0.019729
56	-0.050067	0.057023	0.069918	-0.079228	-0.013	-0.131977	-0.02689	0.007904	0.131629	0.045307	0.019593	-0.04558	0.009155	0.015476
57	-0.12424	0.057135	0.074501	0.064196	-0.07015	0.063107	0.05494	0.003519	-0.179957	0.016078	0.025796	0.26725	0.019071	0.087963
58	0.116922	0.129609	0.071405	0.12872	-0.018199	0.023892	-0.042375	-0.100001	-0.159506	0.172633	0.136478	0.152766	0.008201	-0.097552
59	-0.090922	-0.200331	-0.08954	-0.1446	-0.094618	0.012411	-0.018297	0.083239	0.089174	-0.207681	-0.129795	-0.150319	0.124919	0.019698
60	0.088101	-0.219934	0.204859	0.011687	-0.047316	0.056037	0.049608	0.002108	0.139423	0.037392	0.069854	-0.053079	-0.021805	0.088203
61	-0.038041	-0.058487	0.022052	-0.061553	0.223085	0.119602	-0.049013	0.292196	0.029941	0.146872	-0.149929	0.000348	-0.025029	-0.050082
62	-0.108283	-0.068695	0.093521	0.135827	-0.083738	0.122869	0.005348	-0.044892	0.532804	-0.020131	0.097622	0.246109	0.088321	0.070274
63	0.036017	0.05588	-0.076844	-0.219242	-0.158277	-0.099223	-0.006428	0.104614	-0.21076	0.262844	-0.034333	-0.096012	0.063831	-0.064396
64	0.006194	0.218803	0.054923	-0.020272	0.191526	-0.027976	0.130334	-0.029066	0.183358	0.032565	0.410589	-0.136348	0.080702	-0.096316
65	0.106831	-0.046534	-0.080781	0.096192	-0.054459	-0.094717	0.121615	0.04979	0.020722	-0.033198	-0.003172	0.088482	0.037	0.010742
66	0.242469	-0.062191	0.117455	-0.001331	-0.012632	-0.158525	-0.031578	-0.013948	0.114988	0.065838	-0.052734	-0.029282	0.187658	0.063334
67	-0.143072	0.057053	-0.023127	0.118822	0.037072	0.271098	0.121298	0.054489	-0.069559	-0.098839	0.04529	0.032421	-0.119714	0.300889
68	-0.070972	-0.069355	-0.151427	0.041301	-0.039918	-0.13337	-0.26229	0.147486	-0.07497	0.073638	-0.051707	0.021017	0.030776	-0.113118
69	-0.146504	0.355282	0.042292	0.005524	0.018687	0.033208	0.107082	0.139838	0.153687	0.036088	-0.116922	0.022316	-0.045546	0.149621
70	0.216127	-0.047979	0.018469	0.160808	-0.19513	-0.12903	0.019195	-0.029922	-0.022093	0.089855	0.124139	0.236534	0.038855	-0.006815
71	-0.339415	-0.118557	-0.156075	0.022484	-0.066669	0.033453	-0.012244	0.128505	0.063908	-0.000192	0.057912	0.101074	-0.000292	-0.137846
72	0.21333	-0.07494	-0.007221	0.076222	-0.031245	0.088656	-0.157089	-0.095939	0.060438	-0.015355	0.066197	-0.052986	0.192781	-0.151098
73	-0.061598	-0.007139	0.097389	-0.050002	0.040109	0.083391	-0.003381	-0.010969	-0.074547	-0.115506	0.040794	0.139537	-0.082169	-0.044158
74	-0.202742	-0.029262	-0.076397	0.116607	0.018702	-0.12914	0.01839	-0.030307	0.110253	-0.037331	-0.066084	-0.203809	0.016945	0.077661
75	0.044222	0.248186	-0.373287	0.279444	0.008022	-0.110715	0.235771	0.157064	-0.060728	0.036718	0.010082	0.051744	0.05458	-0.000966
76	0.010888	-0.040302	0.02743	-0.147501	0.272618	0.197245	0.010521	-0.064601	0.03084	0.078336	-0.081841	-0.144096	0.13141	-0.059304
77	-0.048037	-0.139332	0.202819	-0.047151	-0.300253	-0.105131	-0.191662	-0.047581	0.009093	-0.065722	0.029259	0.075077	-0.106777	0.097244

	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ
1	-0.110462	0.007975	-0.034485	0.014599	0.067012	0.072946	0.083736	0.071371	0.089467	0.027627
2	0.061677	-0.025638	-0.014133	-0.009119	0.067959	0.072585	0.065106	-0.037454	0.012589	-0.039873
3	-0.064722	0.05379	-0.005882	0.055382	-0.055956	0.077	0.05723	0.046643	0.102349	0.152695
4	0.07801	0.060183	-0.005711	0.056191	0.013511	0.070968	-0.047392	-0.169839	-0.054272	-0.107068
5	-0.10886	0.029065	-0.013783	-0.110886	-0.083757	-0.059319	-0.065482	0.063867	-0.006148	-0.011199
6	0.040442	-0.010957	-0.013163	-0.144975	-0.042094	-0.244816	0.103388	0.154852	-0.021978	-0.048736
7	-0.096737	0.139407	0.032051	0.066185	0.144885	0.092971	-0.079581	0.000769	0.150272	-0.051637
8	0.099242	-0.144274	-0.036389	0.037871	0.009512	0.200107	-0.120117	-0.177159	-0.12765	0.044932
9	-0.193538	0.015476	-0.037874	-0.153569	0.009779	0.117365	0.065193	-0.072203	-0.225527	-0.109555
10	0.210702	0.064977	0.073492	0.204768	-0.021894	0.005659	-0.056747	0.095594	0.082283	0.149199
11	-0.266601	0.332955	0.094944	0.101302	-0.182223	-0.039603	0.00836	0.000832	-0.09479	0.017683
12	-0.124971	-0.098215	-0.108498	-0.048786	0.077822	-0.132993	-0.066918	-0.096109	0.235785	-0.006494
13	-0.00963	-0.03153	0.040426	0.0868	0.048726	-0.012943	-0.066452	-0.065791	-0.017817	0.017729
14	0.201513	0.196654	0.108368	-0.061426	-0.05647	0.010521	-0.042691	0.004807	-0.091479	-0.108483
15	0.012924	-0.1019	0.049354	-0.148777	-0.085618	-0.11097	0.071321	-0.100124	-0.006665	0.066711
16	0.190947	-0.009644	0.115951	0.048487	0.153217	0.107994	-0.037053	-0.032919	-0.051909	-0.003695
17	0.048241	-0.012877	-0.098573	-0.112405	-0.054034	-0.084387	0.125357	0.066739	0.100245	-0.055464
18	-0.024643	-0.026782	0.088343	0.068602	0.15108	0.120708	0.091631	-0.02488	-0.06414	-0.023267
19	0.086379	-0.027258	-0.081092	-0.075139	0.063989	0.081164	-0.003695	0.149147	-0.015939	0.027741
20	-0.196692	0.048931	0.000663	0.078544	-0.091482	-0.092289	0.014093	-0.052461	0.007582	-0.057191
21	0.007842	0.00893	-0.118327	-0.082457	0.053235	0.078145	-0.232221	-0.114447	0.143037	-0.029735
22	0.029281	0.08859	0.098933	0.002683	0.098584	0.186617	0.09084	0.070746	0.073971	0.074823
23	-0.038201	0.061198	-0.217031	-0.059655	-0.218371	0.074753	0.215895	-0.08848	0.043872	-0.133859
24	0.066299	0.143273	-0.013551	-0.131841	0.028616	-0.040078	-0.021523	0.175172	0.089232	-0.085344
25	0.048746	0.082827	-0.063449	-0.035088	-0.152628	-0.008264	-0.106703	0.196241	0.054107	0.10758
26	0.02919	-0.037969	0.05291	0.023595	-0.047139	0.098899	-0.158742	-0.209106	-0.027786	-0.024578
27	0.095781	0.012489	-0.10657	-0.124352	-0.014036	-0.176379	0.081477	0.037042	0.150547	0.099468
28	-0.006102	-0.063303	-0.03697	-0.009179	0.00597	0.147152	0.094162	-0.107291	-0.150124	-0.077697
29	-0.149652	0.043263	0.033774	0.149437	0.024455	0.087121	-0.043434	-0.266867	-0.04143	0.079451
30	0.070861	0.082009	0.071116	-0.049391	-0.026728	0.070424	0.238173	0.042113	0.010901	0.128576
31	0.224254	0.059999	0.012431	0.033375	0.16238	-0.032609	-0.155648	-0.04467	-0.039429	0.086275
32	-0.275946	0.149035	0.081538	0.079049	0.012185	0.097338	0.174184	0.035661	0.08355	0.023544
33	0.061737	-0.172349	0.059048	0.022851	0.156321	0.028771	-0.088307	-0.100013	-0.003609	0.026393
34	-0.006497	0.034467	0.050455	-0.082694	0.012606	-0.015442	-0.027478	-0.043201	-0.027807	0.042735
35	-0.135222	0.067327	0.045272	0.135794	-0.009931	-0.10012	0.109268	-0.059118	-0.052184	-0.044415
36	0.081944	-0.109384	-0.114093	-0.097739	0.232122	-0.031367	-0.018301	-0.072892	0.024209	-0.063647
37	0.077787	0.072711	0.029237	0.061544	-0.09816	0.014573	-0.068478	0.214005	0.032916	-0.020489
38	-0.089851	0.047412	-0.060684	0.093233	0.130379	-0.049646	0.034494	-0.003019	-0.000306	-0.186994
39	-0.038853	0.037813	-0.009065	-0.073012	-0.075162	-0.01254	0.244094	0.108503	0.131795	-0.100751
40	0.058795	0.124771	0.073238	-0.07058	-0.059691	0.380701	-0.075266	0.042409	0.065699	-0.037078
41	-0.115449	-0.109849	-0.112993	0.084615	0.057331	-0.001611	-0.031978	-0.121671	-0.044539	-0.050505

	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ
42	0.094555	-0.098961	-0.356501	0.01471	-0.215319	0.14526	-0.146956	0.123434	-0.018139	0.058121
43	0.073645	-0.048795	0.073907	-0.164277	-0.095932	-0.041613	0.058056	-0.065828	-0.093841	0.159556
44	0.002113	-0.025723	0.148238	0.116081	-0.049476	-0.033359	0.071559	0.13834	-0.095358	0.102246
45	-0.061646	0.033368	-0.020639	-0.069506	-0.013388	-0.072489	-0.069205	-0.087335	0.059843	0.0486
46	-0.043231	-0.018173	-0.087986	-0.046159	-0.117791	0.079104	0.191637	-0.057305	0.002746	-0.027534
47	-0.033166	-0.029597	0.151361	0.139794	0.15841	0.028093	-0.156523	0.098264	-0.045297	-0.272691
48	-0.132144	0.001275	-0.073164	-0.156945	-0.101522	0.064766	0.013512	-0.102479	-0.054837	0.197749
49	0.162093	-0.083358	-0.210956	-0.006638	0.061772	0.21972	0.234144	-0.026892	0.075095	-0.009029
50	-0.012531	-0.001143	0.096704	-0.030219	-0.024531	-0.199189	-0.164537	0.100263	-0.082786	-0.00345
51	-0.060074	0.10165	-0.083941	0.040467	0.118569	0.035893	-0.007669	-0.075496	0.085482	0.068294
52	0.110083	0.037797	-0.021742	-0.015212	0.130761	0.118792	0.063102	0.065256	0.04614	0.111157
53	0.020466	-0.071457	-0.042175	-0.219456	-0.187175	0.182937	-0.098719	0.002296	0.018882	-0.110193
54	-0.045122	-0.144684	-0.098315	0.258478	0.05805	0.099188	0.157304	0.167412	0.122138	0.249025
55	0.226184	0.019477	0.115965	-0.179069	0.031431	-0.046697	0.192141	-0.199456	-0.235974	-0.063067
56	0.006292	-0.039645	-0.089232	-0.002002	-0.012007	0.027002	-0.036477	0.025119	0.002441	-0.062808
57	-0.163917	-0.260222	-0.011874	-0.087914	-0.031105	-0.082647	-0.045303	-0.094728	0.119869	0.119959
58	0.161032	0.130415	-0.352045	0.367495	0.10439	-0.060102	0.155482	-0.127378	0.032449	-0.153439
59	-0.186789	-0.056428	0.122269	-0.292189	0.199011	0.315738	-0.028169	0.138082	0.11552	0.183632
60	-0.021141	0.072576	-0.022826	0.149024	-0.110737	-0.006446	-0.130293	0.172228	-0.091076	-0.092728
61	-0.071198	0.040311	0.096916	0.13916	0.041439	-0.080373	0.086963	0.060442	-0.113315	0.023579
62	0.029672	-0.073617	-0.001696	-0.148053	0.030375	-0.120632	0.11686	-0.130616	-0.121464	-0.090163
63	-0.040569	0.105925	-0.176664	0.04613	-0.082374	0.204471	-0.0925	0.03965	0.084367	0.01792
64	-0.123829	-0.10103	0.05643	0.101847	0.104386	-0.034082	-0.136277	-0.033947	0.034884	0.195243
65	0.081568	0.077788	0.095341	-0.001957	-0.14267	-0.057136	-0.135498	0.032779	0.075719	0.107656
66	-0.13237	-0.08828	-0.03628	0.018053	0.025912	0.013074	0.185511	0.041352	0.087347	-0.133937
67	-0.050266	0.082738	-0.133031	-0.06578	-0.117713	0.010313	-0.102115	-0.090912	-0.041931	0.043374
68	0.307282	0.057503	0.058547	-0.02055	-0.027669	-0.041845	0.084229	0.117557	0.014219	0.082303
69	0.031325	0.547836	0.011973	-0.149812	0.169337	0.064856	0.043152	-0.136818	-0.028923	0.015618
70	0.012693	-0.174014	0.444639	0.063294	-0.042856	0.084516	0.207504	-0.056347	0.151647	-0.011638
71	0.098921	-0.12176	0.040674	0.225884	-0.161843	0.011763	-0.019021	0.014742	0.052467	-0.05864
72	-0.060611	0.097929	-0.154763	-0.146364	0.473746	-0.167878	-0.012783	0.146025	0.061327	0.030424
73	0.013585	0.018615	0.082364	0.027742	-0.092529	0.218784	-0.039912	-0.017534	-0.02165	-0.134684
74	0.116202	-0.05912	0.00454	0.10902	-0.00379	0.009649	0.248129	-0.078698	0.041385	0.141842
75	-0.082109	-0.159699	-0.02445	-0.027649	0.118993	0.080087	0.011793	0.340224	-0.293116	-0.149282
76	0.100327	0.047373	0.160863	-0.041238	-0.069207	-0.089834	-0.067897	-0.205908	0.553528	-0.173695
77	0.005705	0.124274	-0.102894	0.061632	-0.002104	-0.083355	0.000043	-0.147607	-0.184522	0.481797

Appendix C1

SVM Model Weights

(340; Normal/Diseased)

SVM-light Version V6.01
0 # kernel type
3 # kernel parameter -d
1 # kernel parameter -g
1 # kernel parameter -s
1 # kernel parameter -r
empty# kernel parameter -u
340 # highest feature index
138 # number of training documents
78 # number of support vectors plus 1
0.67854397 # threshold b, each following line is a SV (starting with alpha*y)
-0.0011415251604807632 1:-6.2484217 2:2.8692274 3:3.9726458 4:4.5728879 5:3.1217315 6:1.431265 7:0.44778323 8:1.02934 9:-1.1082938 10:1.1373868 11:1.9316131 12:-0.28561696 13:-3.060276 14:0.38243186 15:-0.76406515 16:1.25282 17:0.95133108 18:1.8977604 19:-0.33501664 20:0.67167497 21:-0.11577946 22:1.6258748 23:-0.61664796 24:-1.2282914 25:-1.6443142 26:-0.90777022 27:1.2275497 28:1.0568956 29:2.1236527 30:-0.26141879 31:0.03845077 32:-0.58085138 33:-0.78061342 34:1.2447574 35:0.24944715 36:-0.3606073 37:-0.23068826 38:0.78405386 39:-0.43722236 40:0.28527892 41:-1.2349344 42:-1.6965803 43:0.25968778 44:0.74408704 45:-0.11024579 46:-0.70728445 47:1.5416214 48:0.5093556 49:0.50813681 50:-0.10848369 51:-0.72595042 52:-1.0701329 53:1.2242886 54:-0.44644347 55:0.22465287 56:1.0197572 57:-1.3624406 58:0.96072525 59:-1.3194218 60:-0.52487147 61:-0.1581929 62:0.0047937976 63:0.096934691 64:1.8773297 65:1.0675534 66:-0.37953418 67:-0.30575103 68:-0.14885564 69:-0.7085318 70:-0.082562283 71:0.71772766 72:-0.6834473 73:0.37860462 74:-0.3881411 75:-0.17689922 76:0.89653313 77:0.48991525 78:-0.13384825 79:-0.7523219 80:-0.15887904 81:-0.72565669 82:-0.071575895 83:0.26591104 84:-0.036035866 85:0.11221373 86:0.30020183 87:0.48851889 88:-0.056364294 89:0.66078192 90:-1.0552732 91:-0.49472538 92:0.19626696 93:0.3516041 94:-0.90524662 95:0.48864928 96:1.0635862 97:-0.67823666 98:0.97963518 99:-1.2187407 100:0.25271565 101:-0.10477167 102:-0.094989687 103:-0.14250714 104:0.77763522 105:-0.67844582 106:0.10758131 107:-0.59481978 108:0.12150268 109:-0.25061738 110:-0.31553453 111:-0.2249333 112:-0.14794669 113:-0.29111996 114:0.42366493 115:0.32037699 116:-0.38479248 117:-0.35609257 118:0.21150146 119:0.29969886 120:-0.056325451 121:0.18981926 122:0.36390802 123:-0.22452836 124:-0.014986999 125:-0.07822156 126:0.078114182 127:-0.31460276 128:0.33136594 129:0.14089347 130:-0.11384387 131:0.2209356 132:-0.30368382 133:-0.021809017 134:0.13270371 135:0.02210488 136:-0.0036672305 137:9.853208e-005 138:-0.017125415 139:0.0062208101 140:0.00056613336 141:0.0012280536 142:-0.00039310646 143:-0.0063707544 144:0.0015248039 145:-0.0029345977 146:-0.00076821423 147:0.00013666278 148:-0.0051379474 149:0.0066761598 150:-0.0024066679 151:0.0038081626 152:-0.0013487631 153:-0.0020869875 154:-0.0023751855 155:1.1204498e-006 156:0.0039485889 157:-0.00011155871 158:0.00070337567 159:0.0012323871 160:0.0021008069 161:0.0028489598 162:0.00029079549 163:0.0020081406 164:0.0044465163 165:0.007065278 166:0.0012901861 167:0.0037493915 168:-0.0023597497 169:-0.00012567961 170:0.00047573209 171:7.8875659e-005 172:-0.0056320974 173:-0.0067036133 174:0.00017559867 175:0.001684437 176:-0.0034504069 177:0.0018235954 178:-0.001383971 179:0.0004998623 180:-0.00066253374 181:0.0015807585 182:0.00412085 183:0.0021063511 184:0.00072732504 185:-0.0012095358 186:-0.0030121093 187:-0.0020631803 188:-0.00068084424 189:0.0002527938 190:-0.0034640408 191:-0.00026976471 192:0.00097010034 193:-0.0011612385 194:-0.0015113452 195:0.00062438019 196:-0.00013164691 197:0.0020616048 198:0.0010445472 199:-0.0049765292 200:9.8877339e-005 201:0.0028779099 202:-0.0036701721 203:0.00099803088 204:0.00068234798 205:0.002192216 206:0.0033146022 207:0.00050616561 208:-0.0031757453 209:0.0028448526 210:0.00092352234 211:-0.0022140611 212:-0.0013608048 213:0.0051376815 214:-0.0017870248 215:-0.0027518668 216:0.00043837572 217:-0.027317183 218:-0.024619192 219:-0.01382506 220:-0.015382294 221:-0.016386922 222:-0.0094594397 223:-0.0056853383 224:-0.00050634646 225:-0.00087913428 226:-0.023968795 227:-0.0034698097 228:-0.0016731552 229:0.00047607321 230:-0.011432272 231:-0.00036644109 232:-0.0025967851 233:0.0015593689 234:-0.0042631673 235:-0.0053286692 236:-0.0059999214 237:-0.087129325 238:-0.063751429 239:-0.0045496477 240:-0.0073839114 241:0.0014150206 242:-0.0042075687 243:-0.0022374168 244:-0.041910719 245:-0.030919394 246:-0.049301699 247:-0.019442754 248:-0.0019611341 249:-0.0072449106 250:-0.0051453672 251:-0.0072873179 252:-0.005927789 253:-0.0018599511 254:-0.017141052 255:-0.023494685 256:-0.01788312 257:-0.01943502 258:-

0.0060224077 259:-0.0073500308 260:-0.0064477329 261:-0.0002986097 262:-0.0014349599
263:-0.0020359957 264:-0.0082596857 265:-0.006963369 266:-0.0016096481 267:-0.0083991755
268:-0.046351645 269:-0.046128571 270:-0.011141608 271:0.0020650877 272:-0.0010642689
273:-0.018076098 274:-0.016929928 275:-0.0052876701 276:-0.0025432054 277:-0.04111632
278:-0.031511344 279:-0.019488858 280:-0.0036160324 281:-0.032332413 282:-0.023754911
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318:0.0045642676 319:0.001573379 320:0.0015903091 321:0.00074843148 322:-0.00091753813
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97:0.28694856 98:0.46163556 99:0.22819805 100:0.0759262 101:0.028915809 102:-0.20079345 103:0.98194212 104:0.15251906 105:0.6114341 106:0.20421335 107:-0.19041851 108:0.002931691 109:0.25667602 110:-0.19782954 111:0.035900418 112:-0.64252096 113:0.16462967 114:-0.68771815 115:0.081782721 116:0.091236867 117:-0.095214687 118:-0.52825224 119:0.060998734 120:0.059148341 121:0.16658965 122:-0.17567663 123:-0.23029633 124:0.2215855 125:0.3467598 126:-0.00039247944 127:0.12656112 128:0.21096483 129:-0.22154965 130:0.095295489 131:-0.10339074 132:-0.096810713 133:0.02793801 134:0.13953027 135:0.032407463 136:-0.0036672305 137:9.853208e-005 138:-0.017125415 139:0.0062208101 140:0.00056613336 141:0.0012280536 142:-0.00039310646 143:-0.0063707544 144:0.0015248039 145:-0.0029345977 146:-0.00076821423 147:0.00013666278 148:-0.0051379474 149:0.0066761598 150:-0.0024066679 151:0.0038081626 152:-0.0013487631 153:-0.0020869875 154:-0.0023751855 155:1.1204498e-006 156:0.0039485889 157:-0.00011155871 158:0.00070337567 159:0.0012323871 160:0.0021008069 161:0.0028489598 162:0.00029079549 163:0.0020081406 164:0.0044465163 165:0.007065278 166:0.0012901861 167:0.0037493915 168:-0.0023597497 169:-0.00012567961 170:0.00047573209 171:7.8875659e-005 172:-0.0056320974 173:-0.0067036133 174:0.00017559867 175:0.001684437 176:-0.0034504069 177:0.0018235954 178:-0.001383971 179:0.0004998623 180:-0.00066253374 181:0.0015807585 182:0.00412085 183:0.0021063511 184:0.00072732504 185:-0.0012095358 186:-0.0030121093 187:-0.0020631803 188:-0.00068084424 189:0.0002527938 190:-0.0034640408 191:-0.00026976471 192:0.00097010034 193:-0.0011612385 194:-0.0015113452 195:0.00062438019 196:-0.00013164691 197:0.0020616048 198:0.0010445472 199:-0.0049765292 200:9.8877339e-005 201:0.0028779099 202:-0.0036701721 203:0.00099803088 204:0.00068234798 205:0.002192216 206:0.0033146022 207:0.00050616561 208:-0.0031757453 209:0.0028448526 210:0.00092352234 211:-0.0022140611 212:-0.0013608048 213:0.0051376815 214:-0.0017870248 215:-0.0027518668 216:0.00043837572 217:-0.027317183 218:-0.024619192 219:-0.01382506 220:-0.015382294 221:-0.016386922 222:-0.0094594397 223:-0.0056853383 224:-0.00050634646 225:-0.00087913428 226:-0.023968795 227:-0.0034698097 228:-0.0016731552 229:0.00047607321 230:-0.011432272 231:-0.00036644109 232:-0.0025967851 233:0.0015593689 234:-0.0042631673 235:-0.0053286692 236:-0.0059999214 237:-0.087129325 238:-0.063751429 239:-0.0045496477 240:-0.0073839114 241:0.0014150206 242:-0.0042075687 243:-0.0022374168 244:-0.041910719 245:-0.030919394 246:-0.049301699 247:-0.019442754 248:-0.0019611341 249:-0.0072449106 250:-0.0051453672 251:-0.0072873179 252:-0.005927789 253:-0.0018599511 254:-0.017141052 255:-0.023494685 256:-0.01788312 257:-0.01943502 258:-0.0060224077 259:-0.0073500308 260:-0.0064477329 261:-0.0002986097 262:-0.0014349599 263:-0.0020359957 264:-0.0082596857 265:-0.006963369 266:-0.0016096481 267:-0.0083991755 268:-0.046351645 269:-0.046128571 270:-0.011141608 271:0.0020650877 272:-0.0010642689 273:-0.018076098 274:-0.016929928 275:-0.0052876701 276:-0.0025432054 277:-0.04111632 278:-0.031511344 279:-0.019488858 280:-0.0036160324 281:-0.032332413 282:-0.023754911 283:-0.0030713808 284:-0.033357695 285:-0.027144579 286:-0.0093234172 287:-0.0091438433 288:0.00080924761 289:-0.0040808818 290:-0.00058058492 291:0.00025530611 292:0.00042821659 293:-0.0017559038 294:0.00030293313 295:-0.0004816725 296:-0.00057298481 297:-0.00086739491 298:0.0020803961 299:0.00010370808 300:0.00075778627 301:0.00074104586 302:-0.00021793939 303:0.0013351805 304:-0.0006143825 305:0.0025815656 306:7.1731614e-005 307:-0.0052312948 308:-0.00063595735 309:0.0015091125 310:-0.00024647679 311:-0.0050271503 312:-0.00065122027 313:-0.00070704299 314:-0.0038100008 315:0.0022923627 316:0.0019759815 317:0.00079242635 318:0.0045642676 319:0.001573379 320:0.0015903091 321:0.00074843148 322:-0.00091753813 323:0.0021253934 324:0.0013280844 325:-0.0030691659 326:-0.0033078301 327:0.0012743858 328:0.0024482214 329:0.0018192574 330:0.0026370357 331:0.0017312634 332:0.00066732749 333:0.00034391912 334:0.0037949879 335:0.0018411272 336:0.0051615993 337:0.0017553387 338:-0.0027431778 339:-0.0055160136 340:0.0031345901 #

Appendix C2

SVM Model Weights

(340;

Benign/Malignant)

SVM-light Version V6.01
0 # kernel type
3 # kernel parameter -d
1 # kernel parameter -g
1 # kernel parameter -s
1 # kernel parameter -r
empty# kernel parameter -u
340 # highest feature index
99 # number of training documents
65 # number of support vectors plus 1
-0.37652729 # threshold b, each following line is a SV (starting with alpha*y)
-0.0033153142499855108 1:-0.23311329 2:-1.5340611 3:-0.56233943 4:-7.4785199 5:-3.6518826 6:-4.7517338 7:-0.41352883 8:-1.1385972 9:-2.3377373 10:0.89005411 11:-3.0769937 12:0.91200078 13:-1.0174296 14:-0.29183522 15:5.4507852 16:1.9547648 17:2.4246554 18:-2.5977473 19:0.059181549 20:0.9693011 21:-1.3478724 22:1.2955381 23:0.29502755 24:-0.31393111 25:-0.025742445 26:-1.3289164 27:-1.1254236 28:0.11153328 29:1.9973383 30:1.257899 31:0.91507447 32:0.72226965 33:0.39845112 34:-1.3278019 35:-0.95194173 36:-2.0961843 37:-1.1352364 38:-0.64997375 39:0.065316387 40:-0.38678196 41:0.77325523 42:1.3836633 43:1.3171499 44:0.053990051 45:0.77371556 46:2.1609168 47:-1.3172421 48:0.39412561 49:0.23929304 50:1.105505 51:0.84551901 52:-0.40700731 53:-0.40167317 54:-0.76905733 55:-0.42601669 56:1.0445652 57:1.9075065 58:1.0322175 59:-0.4670966 60:0.30819783 61:0.74754339 62:-0.26703897 63:0.57786393 64:-0.32511202 65:0.16155197 66:-0.72578001 67:-0.066891424 68:0.11020496 69:-0.62233603 70:-0.98494661 71:-0.0048836544 72:0.43202633 73:0.55178761 74:-0.32371372 75:-0.18778911 76:-0.38373259 77:-0.52735662 78:0.35236505 79:0.060871631 80:-1.1960546 81:-0.47478089 82:0.44778258 83:-0.11591902 84:-0.41117722 85:0.94405186 86:-0.52732617 87:0.035399996 88:0.058130287 89:0.0309637 90:0.083736248 91:-0.81783479 92:0.40891954 93:-0.56611413 94:0.29939261 95:0.1568504 96:-0.14485334 97:0.0039280006 98:0.010595871 99:-0.0072948104 100:0.0007581744 101:0.0015444086 102:0.00086657552 103:0.0014506713 104:0.00027309253 105:-0.0003779236 106:-0.0033040401 107:-0.002894687 108:0.0012058502 109:0.0026374348 110:-0.0018928888 111:-0.0024273857 112:-0.0003231481 113:0.00057429477 114:-0.00070962519 115:0.0011349921 116:-0.0046544136 117:6.0590241e-007 118:0.00074805523 119:-0.0025794252 120:0.00037352511 121:-0.0022889439 122:0.0011132049 123:-0.0024242986 124:-0.0045571304 125:-0.0020117455 126:-0.0092068724 127:-0.0077256206 128:-0.00070437411 129:0.0012516935 130:0.00055489031 131:0.0013429716 132:0.00036176579 133:-0.0026087298 134:5.3104148e-005 135:-0.001098063 136:0.0010348612 137:-0.00068726367 138:-0.00074436213 139:0.0027458151 140:0.0010222673 141:-0.0018521026 142:-0.00061301264 143:-0.001804522 144:-0.00021584153 145:0.0015449577 146:-0.0015697054 147:-0.00097707158 148:-0.0011295594 149:0.0028935266 150:-0.00053708232 151:0.0018405041 152:-0.002562111 153:-0.0013092471 154:-0.00046263589 155:-0.0035724007 156:0.0011358063 157:-0.0012884629 158:-0.0031973415 159:0.00045693576 160:-0.0012730506 161:0.0014123393 162:0.003461167 163:-0.0029414443 164:-0.00037983558 165:-0.0023911442 166:0.0021477563 167:9.2110975e-005 168:-0.0026100944 169:-0.0034047128 170:-0.0029387963 171:-0.0023030045 172:-0.0054465104 173:-0.0021478815 174:-0.0022738085 175:0.00050098688 176:-0.0021780876 177:2.5619611e-005 178:-0.0010297548 179:0.000299401 180:0.0002858036 181:0.0015720503 182:0.0012860922 183:0.0015920103 184:0.0034542123 185:-0.0054590856 186:-0.0013231005 187:-0.00026378682 188:-5.6713336e-005 189:0.0016455925 190:0.00055903167 191:0.00040327062 192:-0.00066433422 193:-0.0014816546 194:0.0016943325 195:0.00012320606 196:0.0006577372 197:0.00056744454 198:-0.0023361598 199:0.0042997436 200:-0.0016990597 201:0.0030764227 202:-0.0027063258 203:0.00046884044 204:-0.00031649071 205:0.00065622263 206:-0.0026635081 207:-0.0039158296 208:0.0020220254 209:0.0012250372 210:-0.0028663045 211:-0.0012186989 212:-0.00063428417 213:0.0051512984 214:0.00089924945 215:-0.00035291715 216:-0.0026578247 217:-0.031516869 218:-0.018453332 219:-0.012905908 220:-0.015366459 221:-0.013814257 222:-0.007569442 223:-0.0047048843 224:0.00062012818 225:0.0014852113 226:-0.019181944 227:-0.005778844 228:-0.0022216991 229:-0.0013164993 230:-0.011913291 231:-0.0048886021 232:-0.0050922348 233:-0.00091115123 234:-0.0028072072 235:-0.0020788321 236:-0.0069042598 237:-0.092131011 238:-0.068610474 239:-0.0047269738 240:-0.0084348312 241:-0.0050073303 242:-0.003040591 243:-0.0038143608 244:-0.040638726 245:-0.02857391 246:-0.0472783 247:-

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339:0.00048842531 340:0.00094149791 #

Appendix C3

SVM Model Weights

(340; Early/Late)

SVM-light Version V6.01
0 # kernel type
3 # kernel parameter -d
1 # kernel parameter -g
1 # kernel parameter -s
1 # kernel parameter -r
empty# kernel parameter -u
340 # highest feature index
59 # number of training documents
47 # number of support vectors plus 1
-0.46078775 # threshold b, each following line is a SV (starting with alpha*y)
0.003263013586870337 1:2.9703248 2:-1.9154285 3:-1.4705251 4:-3.6158135 5:-0.88654208 6:-5.2746539 7:3.5916541 8:-1.5249115 9:0.42257392 10:0.1542328 11:-0.79797947 12:1.5178829 13:-4.328999 14:-1.9303721 15:-3.6791089 16:2.030098 17:3.196708 18:0.70455837 19:-0.99888653 20:-0.90641922 21:-1.3292599 22:-1.3334385 23:-0.034880091 24:-0.21998923 25:-1.0224223 26:-0.27785692 27:0.887824 28:-0.88122153 29:2.4520988 30:-1.8591628 31:-0.2047378 32:-0.43277052 33:1.3049064 34:0.28490406 35:0.58858889 36:0.31118494 37:-0.75974351 38:0.30014536 39:0.16725326 40:0.28239837 41:0.85730082 42:0.18312453 43:0.73757261 44:0.23835303 45:0.42016032 46:-0.027372906 47:0.12297571 48:0.091952026 49:0.19956252 50:0.14478266 51:-0.31726134 52:0.075183503 53:0.078598507 54:-0.32566643 55:0.26622328 56:-0.10797127 57:0.0009495847 58:-0.00063543959 59:0.00017326932 60:0.0011059562 61:0.0022817524 62:-0.0032958018 63:0.00029474383 64:-0.0021514872 65:-0.0054451232 66:-0.0024786978 67:3.7493555e-005 68:0.00035079228 69:0.0023467517 70:0.001588242 71:0.001914337 72:0.0012793314 73:0.0016132059 74:0.00040791018 75:0.0013395234 76:0.00060126832 77:0.0017832168 78:0.0019726807 79:0.0013805456 80:-0.00077531522 81:3.2110733e-005 82:0.0011871321 83:0.00056208909 84:0.0005204202 85:0.0010900472 86:0.0016796719 87:0.0010130677 88:0.00086538575 89:0.0014052332 90:0.0012018452 91:0.00018189113 92:0.00057689246 93:0.0018313623 94:0.0026408355 95:0.00079052034 96:0.0019842789 97:-0.0015824389 98:-0.00092224235 99:-0.0010365265 100:-8.9265384e-005 101:-0.00011542163 102:0.0024433194 103:0.0015950786 104:-0.001393425 105:-0.00076850987 106:-0.0017206173 107:-0.0011140696 108:-0.0020789856 109:0.0013786858 110:-0.00081737712 111:-0.0025310477 112:-0.0010236512 113:-0.00049510651 114:0.0013168686 115:-0.0017368494 116:-0.00051662087 117:-0.0011937086 118:-0.0008155898 119:-0.0014308705 120:-0.00060646527 121:-0.0023188046 122:-0.00047986541 123:-0.0017967777 124:-0.0028703539 125:-0.0008995044 126:-0.0044899271 127:-0.0037051167 128:0.00010453928 129:0.0017558743 130:-0.00021409123 131:8.4772248e-005 132:-0.00059640477 133:0.00091315049 134:0.0029517044 135:0.0012407211 136:0.001771849 137:0.00061086519 138:0.0016401729 139:1.1190635e-005 140:0.00066645071 141:0.0020694127 142:-0.0019681684 143:-0.0010553099 144:0.0023889465 145:0.0018726855 146:-0.00070473028 147:-0.0012693994 148:0.0013133255 149:0.0017171054 150:-0.0023144449 151:0.0023775783 152:-0.00045603843 153:-0.0020286744 154:-3.1378081e-006 155:-0.0017911249 156:0.00026146293 157:-0.00066072296 158:-0.0012093179 159:0.00038491705 160:0.00085559086 161:0.0025676095 162:0.0016044743 163:-0.00089113193 164:0.0024120815 165:0.0010050905 166:0.0013388922 167:-1.9663272e-005 168:-0.00063788053 169:-0.001915552 170:-0.0015327755 171:-0.00080461183 172:-0.0022213417 173:-0.0012071569 174:0.00085961225 175:1.1924029e-005 176:-0.00010044254 177:0.0011742229 178:-0.00082149269 179:-0.0016058821 180:-0.0010348763 181:-0.00091460953 182:-0.0004915254 183:-0.00073268131 184:0.00074214442 185:-0.0018549222 186:-0.00029827142 187:-0.0012626129 188:0.0011506754 189:0.0014984758 190:0.001521907 191:0.0011545231 192:-0.0017103127 193:-0.0005076346 194:-0.00046162415 195:-0.00039687741 196:0.0006169476 197:0.0019146017 198:-0.001938576 199:0.00174745 200:-0.00036255008 201:0.001886385 202:0.00071268051 203:-0.0015044769 204:-0.00094833004 205:0.0020877882 206:-0.0016524799 207:-0.002788797 208:0.001349878 209:0.001943506 210:-0.00086329813 211:0.00089030684 212:-0.0019820002 213:6.8280075e-005 214:-0.00089089427 215:-0.0011382027 216:-0.0011946515 217:-0.031154955 218:-0.018805003 219:-0.01448297 220:-0.014768096 221:-0.01189405 222:-0.0050329659 223:-0.0038689009 224:2.2608641e-005 225:-0.00011902419 226:-0.018885663 227:-0.0053921309 228:-0.0018284534 229:-0.0052720057 230:-0.009582757 231:-0.0060223294 232:-0.0011540388 233:-0.0011784985 234:-0.0036054854 235:-0.0014334067 236:-0.0057753613 237:-0.092932746 238:-0.071324907 239:-0.0057371478 240:-0.006171681 241:-0.0023048196 242:-0.0031618457

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2.1497918288429496e-005 1:-34.113136 2:9.1733046 3:5.3838677 4:7.6956291 5:13.459892 6:-3.5612979 7:-7.1091042 8:5.5747619 9:-2.8808331 10:1.8228761 11:-0.80162328 12:0.45366946 13:0.35113454 14:-5.9756327 15:1.5504394 16:1.9655282 17:2.4146829 18:-2.2898633 19:-0.88621074 20:-1.1601353 21:-0.79647011 22:1.5297979 23:-1.7144865 24:0.64629495 25:1.1985551 26:0.55810708 27:-0.25598845 28:-0.38665497 29:-0.00039836648 30:-1.1873535 31:-0.085017577 32:-0.069415957 33:-0.41498676 34:0.24881725 35:0.18458879 36:0.20159762 37:0.18202665 38:-0.081453502 39:0.168487 40:-0.027624954 41:0.18284768 42:0.38703957 43:0.40067115 44:0.0030078939 45:0.25092465 46:-0.28690481 47:-0.096155189 48:0.052919824 49:-0.31122819 50:0.11490654 51:0.10996526 52:-0.24321437 53:0.19623207 54:0.099348456 55:-0.077123351 56:-0.11627381 57:0.0009495847 58:-0.00063543959 59:0.00017326932 60:0.0011059562 61:0.0022817524 62:-0.0032958018 63:0.00029474383 64:-0.0021514872 65:-0.0054451232 66:-0.0024786978 67:3.7493555e-005 68:0.00035079228 69:0.0023467517 70:0.001588242 71:0.001914337 72:0.0012793314 73:0.0016132059 74:0.00040791018 75:0.0013395234 76:0.00060126832 77:0.0017832168 78:0.0019726807 79:0.0013805456 80:-0.00077531522 81:3.2110733e-005 82:0.0011871321 83:0.00056208909 84:0.0005204202 85:0.0010900472 86:0.0016796719 87:0.0010130677 88:0.00086538575 89:0.0014052332 90:0.0012018452 91:0.00018189113 92:0.00057689246 93:0.0018313623 94:0.0026408355 95:0.00079052034 96:0.0019842789 97:-0.0015824389 98:-0.00092224235 99:-0.0010365265 100:-8.9265384e-005 101:-0.00011542163 102:0.0024433194 103:0.0015950786 104:-0.001393425 105:-0.00076850987 106:-0.0017206173 107:-0.0011140696 108:-0.0020789856 109:0.0013786858 110:-0.00081737712 111:-0.0025310477 112:-0.0010236512 113:-0.00049510651 114:0.0013168686 115:-0.0017368494 116:-0.00051662087 117:-0.0011937086 118:-0.0008155898 119:-0.0014308705 120:-0.00060646527 121:-0.0023188046 122:-0.00047986541 123:-0.0017967777 124:-0.0028703539 125:-0.0008995044 126:-0.0044899271 127:-0.0037051167 128:0.00010453928 129:0.0017558743 130:-0.00021409123 131:8.4772248e-005 132:-0.00059640477 133:0.00091315049 134:0.0029517044 135:0.0012407211 136:0.001771849 137:0.00061086519 138:0.0016401729 139:1.1190635e-005 140:0.00066645071 141:0.0020694127 142:-0.0019681684 143:-0.0010553099 144:0.0023889465 145:0.0018726855 146:-0.00070473028 147:-0.0012693994 148:0.0013133255 149:0.0017171054 150:-0.0023144449 151:0.0023775783 152:-0.00045603843 153:-0.0020286744 154:-3.1378081e-006 155:-0.0017911249 156:0.00026146293 157:-0.00066072296 158:-0.0012093179 159:0.00038491705 160:0.00085559086 161:0.0025676095 162:0.0016044743 163:-

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Appendix C4

SVM Model Weights

(85; Normal/Diseased)

SVM-light Version V6.01
0 # kernel type
3 # kernel parameter -d
1 # kernel parameter -g
1 # kernel parameter -s
1 # kernel parameter -r
empty# kernel parameter -u
85 # highest feature index
138 # number of training documents
75 # number of support vectors plus 1
0.68943175 # threshold b, each following line is a SV (starting with alpha*y)
-0.0011669793294833025 1:-6.2484217 2:2.8692274 3:3.9726458 4:4.5728879 5:3.1217315 6:1.431265 7:0.44778323 8:1.02934 9:-1.1082938 10:1.1373868 11:1.9316131 12:-0.28561696 13:-3.060276 14:0.38243186 15:-0.76406515 16:1.25282 17:0.95133108 18:1.8977604 19:-0.33501664 20:0.67167497 21:-0.11577946 22:1.6258748 23:-0.61664796 24:-1.2282914 25:-1.6443142 26:-0.90777022 27:1.2275497 28:1.0568956 29:2.1236527 30:-0.26141879 31:0.03845077 32:-0.58085138 33:-0.78061342 34:1.2447574 35:0.24944715 36:-0.3606073 37:-0.23068826 38:0.78405386 39:-0.43722236 40:0.28527892 41:-1.2349344 42:-1.6965803 43:0.25968778 44:0.74408704 45:-0.11024579 46:-0.70728445 47:1.5416214 48:0.5093556 49:0.50813681 50:-0.10848369 51:-0.72595042 52:-1.0701329 53:1.2242886 54:-0.44644347 55:0.22465287 56:1.0197572 57:-1.3624406 58:0.96072525 59:-1.3194218 60:-0.52487147 61:-0.1581929 62:0.0047937976 63:0.096934691 64:1.8773297 65:1.0675534 66:-0.37953418 67:-0.30575103 68:-0.14885564 69:-0.7085318 70:-0.082562283 71:0.71772766 72:-0.6834473 73:0.37860462 74:-0.3881411 75:-0.17689922 76:0.89653313 77:0.48991525 78:-0.13384825 79:-0.7523219 80:-0.15887904 81:-0.72565669 82:-0.071575895 83:0.26591104 84:-0.036035866 85:0.11221373 #
-0.0015650989582460004 1:-5.5317745 2:-3.2781949 3:1.4514818 4:4.4336934 5:0.22635397 6:2.3636923 7:2.9700732 8:-0.24828267 9:-2.3608406 10:-1.9967079 11:-0.73264194 12:1.0981561 13:-1.8951033 14:0.55268621 15:1.5258482 16:0.17173247 17:0.14921966 18:0.91354114 19:1.1576183 20:0.82168186 21:-0.59960753 22:-0.3806065 23:0.036252648 24:0.40446517 25:-0.041981112 26:0.5394733 27:0.10547557 28:-0.18626553 29:0.43777582 30:-1.2531258 31:-0.57186949 32:0.10621319 33:0.55403918 34:-0.30708826 35:0.042276658 36:-0.97170401 37:1.5680649 38:-0.35357198 39:-0.31896117 40:0.1885691 41:0.14435399 42:-0.80022198 43:0.050054323 44:0.21044557 45:0.9939636 46:0.016742287 47:-0.0084441807 48:0.42134136 49:-1.3300655 50:0.14887142 51:-1.5286498 52:1.0831087 53:0.01669452 54:-1.0117697 55:-1.5333623 56:-0.23926201 57:1.1092873 58:-0.30872497 59:-0.0068817809 60:-0.08816056 61:-0.23867473 62:0.14579196 63:0.93483233 64:-1.314449 65:0.67001724 66:-0.43909997 67:-0.21468382 68:-0.029038141 69:0.6566391 70:0.66849053 71:-0.68139273 72:-0.19444059 73:1.0253628 74:-0.39257091 75:0.16086669 76:0.59910434 77:-0.099923208 78:-1.3054628 79:-1.3442253 80:1.4393352 81:0.25903618 82:-0.08239346 83:-0.32068664 84:0.9061048 85:-0.81428427 #
-0.0035207597532646157 1:8.4564133 2:-3.6954048 3:-0.36950901 4:2.0615106 5:0.32085344 6:-2.5327203 7:-0.28457209 8:-1.186967 9:-1.2540523 10:2.2149053 11:-2.8718159 12:0.93030947 13:-2.0749297 14:-0.2423725 15:-1.8521192 16:-1.5626588 17:3.2296343 18:0.065072417 19:0.17800856 20:0.73286116 21:1.1539247 22:1.1033744 23:0.1072376 24:-0.81941801 25:-1.7166369 26:-0.49180382 27:-0.88959998 28:-0.783346 29:0.55402172 30:-0.21719469 31:-0.38976419 32:-1.8080884 33:0.093785204 34:-0.34544724 35:2.3562729 36:-0.55151314 37:1.1748444 38:0.35242981 39:-0.68477893 40:-0.089026608 41:0.21341442 42:0.93687207 43:0.044087749 44:-0.26936442 45:1.4698968 46:-0.94894558 47:-0.20715962 48:0.17709284 49:-0.092726924 50:-0.03063637 51:-0.053195205 52:-1.4915875 53:-0.091144487 54:1.1582738 55:-2.4273913 56:0.10436805 57:-0.16633649 58:-0.67621684 59:-0.74687052 60:0.37081623 61:-1.4236872 62:0.54976654 63:-0.023168497 64:-0.61734682 65:0.34305745 66:0.54878235 67:1.023862 68:0.95399183 69:0.61367548 70:0.2599085 71:0.75868374 72:0.27436996 73:0.23401526 74:-0.75373387 75:-1.3631232 76:0.77333856 77:-0.3686007 78:-0.066425569 79:0.82971358 80:-0.27613378 81:0.3844921 82:0.093253352 83:-0.62704402 84:-0.84857655 85:0.058126319 #
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Appendix C5

SVM Model Weights

(87; Benign/Malignant)

SVM-light Version V6.01
0 # kernel type
3 # kernel parameter -d
1 # kernel parameter -g
1 # kernel parameter -s
1 # kernel parameter -r
empty# kernel parameter -u
87 # highest feature index
99 # number of training documents
66 # number of support vectors plus 1
0.37432449 # threshold b, each following line is a SV (starting with alpha*y)
0.0019345539215048922 1:16.053837 2:-15.819319 3:-1.6210849 4:3.6457462 5:4.4152589 6:10.210145 7:1.1093941 8:-8.4489651 9:-7.8424716 10:1.2531379 11:-5.7854691 12:0.85058212 13:11.505015 14:0.58409226 15:5.614861 16:-5.0463986 17:-2.4444163 18:-0.25845858 19:1.0797292 20:-3.8040044 21:1.912954 22:0.23680127 23:-0.15167442 24:-1.3719921 25:2.5946932 26:0.17403919 27:-1.2898791 28:0.059081983 29:0.14672025 30:-0.37540862 31:-0.84801257 32:-2.1527555 33:0.91871446 34:1.3559048 35:0.67161536 36:-0.63155913 37:-0.018472454 38:-0.84158731 39:-0.48751351 40:0.55238557 41:0.38652408 42:0.61224627 43:0.093065917 44:0.88691741 45:-0.67179191 46:-0.63606435 47:0.50656343 48:0.21145603 49:0.67526537 50:-0.22676751 51:-0.46594143 52:0.05076601 53:-0.47603023 54:-0.63072002 55:-0.081272468 56:0.052577384 57:-0.13437749 58:0.81059444 59:-0.17985293 60:-0.24758452 61:-0.31849173 62:-0.22030351 63:0.14344099 64:-0.12765574 65:0.22939913 66:-0.47950178 67:0.35782388 68:-0.22129388 69:0.043932721 70:0.087613709 71:-0.13730107 72:0.30508745 73:-0.26749346 74:-0.13291891 75:-0.23315008 76:-0.27495328 77:-0.14503081 78:0.052623045 79:-0.39191145 80:0.057538711 81:-0.011613904 82:-0.15190414 83:-0.06746494 84:-0.022860833 85:0.11173677 86:0.1248471 87:0.15941496 #
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13:0.27073804 14:-1.4201082 15:-1.1111952 16:-1.1544274 17:-0.61541378 18:0.89156842 19:0.24313243 20:-0.96249247 21:1.2922262 22:-0.69232893 23:0.14764817 24:-1.3923763 25:0.6387915 26:0.084550619 27:-1.4210426 28:-0.043041125 29:0.70565158 30:-2.2790606 31:0.31711981 32:-0.29398012 33:-0.1432732 34:-1.0997872 35:0.89468467 36:0.17898633 37:0.22860222 38:0.046035666 39:1.3129162 40:0.072972745 41:-0.31119242 42:0.24485055 43:1.016295 44:1.1550423 45:0.57052416 46:0.30313149 47:0.47155845 48:-0.252554 49:0.75614375 50:-0.27084967 51:1.2873342 52:-0.50668657 53:-1.0563754 54:0.68687969 55:-1.4469496 56:1.1780907 57:0.29481086 58:-0.39441538 59:-1.1455108 60:1.0291282 61:-0.2951265 62:-0.63262415 63:-1.7717614 64:-0.38663942 65:0.96479446 66:2.2799258 67:0.080531135 68:-0.7447601 69:1.3578986 70:-0.52199012 71:-0.15072392 72:-0.57423425 73:0.075259708 74:0.38988864 75:-0.050941281 76:0.39107621 77:-0.97717643 78:-0.43727434 79:0.064068362 80:-0.97314757 81:-0.12114869 82:-1.2026515 83:0.25698236 84:-0.0038959796 85:0.6433928 86:0.47606063 87:-0.52713388 #

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Appendix C6

SVM Model Weights

(44; Early/Late)

SVM-light Version V6.01
0 # kernel type
3 # kernel parameter -d
1 # kernel parameter -g
1 # kernel parameter -s
1 # kernel parameter -r
empty# kernel parameter -u
44 # highest feature index
59 # number of training documents
48 # number of support vectors plus 1
0.47058211 # threshold b, each following line is a SV (starting with alpha*y)
-0.00056677276769644645 1:1.2953433 2:-10.811604 3:10.668916 4:7.6443572 5:4.8650537 6:-2.3720403 7:-0.53300303 8:1.4913656 9:2.2692528 10:-4.1517024 11:5.0973153 12:-3.961812 13:-4.989172 14:5.9122295 15:2.8848045 16:-2.1117735 17:1.1214025 18:4.17628 19:-0.35360423 20:-0.57471097 21:-4.3517232 22:0.99931109 23:-0.83541495 24:-0.81100011 25:1.5716805 26:-0.70921725 27:-1.5307126 28:-0.17174035 29:-0.33846083 30:-1.4841211 31:-0.62835532 32:1.5003964 33:-0.36885175 34:-0.91448486 35:-0.17173344 36:0.59208959 37:-0.70629734 38:0.2362466 39:0.29450372 40:0.050759379 41:-0.65440804 42:0.98319513 43:-0.49021548 44:0.74737632 #
-0.0022301785905226978 1:-7.4905663 2:-4.2124224 3:2.557915 4:-5.2878695 5:0.80657786 6:-0.37115183 7:1.6812637 8:-3.7509978 9:0.51045167 10:4.1135268 11:0.76780587 12:1.3013476 13:-0.53182048 14:1.9176185 15:1.1816503 16:-0.35555935 17:-1.2507631 18:-1.747479 19:-1.9851712 20:-5.4316225 21:-0.64183134 22:-0.1643706 23:0.49522722 24:-0.50650555 25:1.0811261 26:0.4170202 27:0.59523118 28:-0.86196548 29:0.98918843 30:2.7127433 31:0.09164647 32:1.818579 33:-0.2627672 34:-1.4432161 35:-2.6616316 36:-1.7954003 37:1.4497789 38:-0.026815932 39:0.10891506 40:0.39038053 41:1.1279498 42:-0.46706548 43:-0.043462954 44:0.95625806 #
-0.0010049106558795064 1:6.7611756 2:-14.71443 3:8.2472305 4:7.897903 5:2.2104344 6:1.6990815 7:-5.5606017 8:-3.6665649 9:0.020383494 10:-2.7719841 11:4.6774445 12:7.1823139 13:0.92396528 14:-5.7546 15:-2.7706814 16:-6.6301026 17:-2.2711689 18:-1.306276 19:-1.7461162 20:1.3542767 21:-1.3777606 22:0.60129839 23:0.24038176 24:-1.4764284 25:-1.0552083 26:-1.0486079 27:1.2815171 28:-0.14424071 29:-0.014129613 30:0.8364315 31:-0.93981826 32:-0.82154411 33:-0.51832187 34:1.1584929 35:0.8353551 36:0.14221531 37:0.50732559 38:-0.15574506 39:-0.080617838 40:0.63888073 41:0.45644015 42:-0.64732808 43:0.5694508 44:-0.11251554 #
-0.0033549197977613297 1:-4.7538085 2:-0.59608591 3:1.9817924 4:0.188968 5:1.4622716 6:2.7846963 7:-0.015608484 8:-0.34373811 9:-0.33039114 10:1.4307724 11:0.19272146 12:-0.23617357 13:-0.0479552 14:2.1887279 15:-0.70616794 16:1.0666244 17:-2.6240268 18:-0.24965028 19:0.62618273 20:0.39855644 21:-0.77940083 22:-1.0156705 23:0.63041109 24:-0.12485303 25:-0.042265873 26:0.166668 27:0.74196172 28:3.572463 29:1.9412031 30:2.2433181 31:0.82924473 32:-0.9799 33:0.84773189 34:0.17739867 35:0.80027115 36:0.98595488 37:-0.35706881 38:0.18436019 39:0.54515535 40:0.16205844 41:1.3908807 42:-0.064833641 43:0.29049823 44:-0.8086499 #
-0.0033549197977613297 1:-8.3236828 2:-2.2087071 3:-0.27089623 4:2.6121626 5:2.6397204 6:3.6725602 7:2.614264 8:2.3370502 9:-2.1257644 10:-0.6181981 11:0.25396436 12:1.6628995 13:-0.4154028 14:3.5387452 15:2.3750374 16:3.0965297 17:-4.5929313 18:-0.2210283 19:3.013021 20:-0.56659156 21:-1.3427184 22:1.5178272 23:1.9356618 24:-0.78502053 25:-4.484839 26:-0.76929528 27:2.2739475 28:-4.4582672 29:-0.69363391 30:-0.32333046 31:1.2145813 32:1.0306679 33:0.56277591 34:0.6252628 35:1.3868178 36:0.95188469 37:0.76303911 38:0.64999557 39:-1.9922973 40:-0.72694093 41:0.86111587 42:-0.41919318 43:0.025058085 44:-0.73094058 #
-0.0011736639682222783 1:4.3982258 2:-0.16226812 3:0.28672937 4:-6.4362116 5:2.2866001 6:1.5062218 7:-1.2038572 8:-4.7404804 9:-2.3843164 10:2.2418141 11:-0.27465099 12:-2.8525231 13:2.1683853 14:-2.2989886 15:1.1782279 16:-1.7451806 17:-0.13980241 18:-0.97569644 19:2.1530244 20:0.67875266 21:-1.6640399 22:-0.19732694 23:-3.0789464 24:-0.19650537 25:-1.093295 26:1.5532137 27:-1.5915536 28:0.39503294 29:0.4357492 30:-0.26054665 31:1.5233505 32:0.020384328 33:0.68401867 34:-1.9224312 35:1.9247659 36:0.039446298 37:-0.81243855 38:-0.69054139 39:-0.79842049 40:-0.71187359 41:0.059527773 42:0.51264888 43:0.056126643 44:0.94826233 #

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Appendix C7

SVM Model Weights

(10; Normal/Diseased)

SVM-light Version V6.01
0 # kernel type
3 # kernel parameter -d
1 # kernel parameter -g
1 # kernel parameter -s
1 # kernel parameter -r
empty# kernel parameter -u
10 # highest feature index
138 # number of training documents
71 # number of support vectors plus 1
1.0883106 # threshold b, each following line is a SV (starting with alpha*y)
-0.0058224718477910675 1:-4.8213444 2:1.5760788 3:-0.57018983 4:4.005219 5:-2.8392484 6:1.7106702 7:9.8552361 8:2.2270277 9:-1.4904127 10:-7.1802697 #
-0.0058224718477910675 1:9.4857044 2:0.34912884 3:0.49210653 4:0.40934604 5:0.36403582 6:-2.1638162 7:4.2396574 8:0.71271384 9:-2.6265984 10:-0.67596924 #
-0.0030633937881404216 1:-3.3906956 2:16.927059 3:4.5530434 4:-1.3870215 5:1.6440891 6:-2.1803629 7:5.6633768 8:5.4171095 9:-0.78184611 10:4.4131618 #
-0.0058224718477910675 1:-5.5317745 2:-3.2781949 3:1.4514818 4:4.4336934 5:0.22635397 6:2.3636923 7:2.9700732 8:-0.24828267 9:-2.3608406 10:-1.9967079 #
-0.0058224718477910675 1:-12.11614 2:7.1385088 3:3.1919744 4:-0.5384708 5:-2.1869912 6:-3.1748075 7:-0.84486699 8:-0.32319507 9:2.3280804 10:0.71962136 #
-0.0043431632527545375 1:-7.7268705 2:-24.503897 3:3.4747212 4:-17.230532 5:-1.5916975 6:4.966423 7:-3.4034503 8:18.305843 9:12.179471 10:5.2980161 #
0.0058224718477910675 1:3.6875272 2:3.0250661 3:0.29052538 4:1.6621389 5:-1.077208 6:-1.4265242 7:5.6980257 8:2.4122481 9:-0.23186241 10:-3.5392511 #
0.0058224718477910675 1:4.4914255 2:-0.24480897 3:-2.2583835 4:0.88322991 5:-2.5046406 6:1.9969134 7:-0.0044047181 8:-0.26928857 9:-1.4914516 10:-1.5938169 #
0.0058224718477910675 1:3.5839531 2:-5.883049 3:-4.1707263 4:2.668844 5:-0.41040224 6:-0.95485866 7:-0.55179292 8:-1.9773617 9:-0.17881806 10:-1.001881 #
-0.0058224718477910675 1:16.392971 2:-4.7027459 3:-2.2550261 4:-0.21748754 5:-4.5716577 6:5.9160895 7:5.429513 8:2.0746083 9:-4.2725348 10:-4.7335415 #
0.0058224718477910675 1:-2.9766047 2:2.3910513 3:-0.0033213915 4:-0.17175539 5:-6.0470386 6:-1.3497559 7:-0.36723912 8:0.20253371 9:-0.012134829 10:1.6765274 #
0.0058224718477910675 1:-12.323371 2:-2.5419991 3:-1.609848 4:4.4974389 5:-3.7014587 6:-4.0358763 7:2.6280291 8:4.9896169 9:2.5341156 10:-1.446465 #
0.0058224718477910675 1:4.0929852 2:1.4835061 3:6.1188703 4:-10.270689 5:2.5785246 6:-3.0121825 7:5.101213 8:1.347518 9:-3.5204203 10:2.21015 #
-0.0058224718477910675 1:10.097442 2:-1.8614138 3:1.4156544 4:1.4052474 5:0.31974572 6:-5.6366968 7:-2.7028873 8:-2.4760547 9:2.5067186 10:2.0757139 #
0.0017544354748585118 1:-1.3733028 2:0.68064439 3:7.460279 4:5.9247279 5:-1.6578373 6:0.2775822 7:-24.075966 8:11.05617 9:-14.703788 10:-13.254814 #
-0.0058224718477910675 1:-5.7653995 2:-7.7065129 3:-1.7101065 4:2.9592018 5:0.76229161 6:-3.6607392 7:-1.3269446 8:0.56657773 9:1.139729 10:0.17632462 #
-0.0058224718477910675 1:-4.1156435 2:-0.34006771 3:8.4351921 4:-14.735023 5:2.3358378 6:-6.4112816 7:1.5974257 8:-3.843544 9:-9.0954008 10:4.760253 #
0.0058224718477910675 1:-7.509798 2:-4.5393901 3:-2.8062258 4:3.4199057 5:3.2766123 6:-6.2061114 7:-3.7431328 8:0.69338125 9:1.6215347 10:1.2656826 #
-0.0058224718477910675 1:2.8188708 2:-6.6911874 3:-1.9094163 4:3.7313151 5:2.2988858 6:-4.5035233 7:3.6753259 8:1.7877527 9:-0.5697372 10:-3.8303387 #
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-0.0058224718477910675 1:1.8426523 2:-1.0022681 3:-1.8142201 4:4.7052956 5:-3.3947911 6:-3.9205186 7:2.2534845 8:-0.65490913 9:0.93505371 10:-1.3716303 #

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0.0058224718477910675 1:3.5110908 2:5.6174746 3:2.5606756 4:2.5834703 5:-7.6688213 6:-1.8434024 7:0.36071539 8:-0.45174024 9:2.6003997 10:0.5911482 #
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-0.0058224718477910675 1:-7.5607929 2:4.9967093 3:-1.264623 4:1.5839788 5:-3.1135581 6:-1.7120829 7:4.2883148 8:0.10269687 9:-1.0577402 10:-0.98678935 #
-0.0058224718477910675 1:-1.2745243 2:1.3725504 3:-0.40984562 4:-2.6292028 5:-5.3895054 6:5.9739404 7:-4.5711613 8:2.2052009 9:-5.2465138 10:-0.67647785 #
0.0058224718477910675 1:3.9855435 2:-2.1551187 3:0.63115042 4:1.5583338 5:-3.9991305 6:-3.0780492 7:2.0848374 8:2.7543757 9:-2.3052657 10:1.416037 #
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0.0016856239803782424 1:2.6485436 2:-0.39832091 3:3.7447002 4:-2.1478522 5:-5.6797609 6:-5.3180451 7:0.0458709 8:-0.33030915 9:1.79348 10:-1.4856584 #
-0.0058224718477910675 1:8.7892799 2:-0.5433358 3:0.67584097 4:1.3441595 5:2.1046317 6:-2.3882663 7:0.25097188 8:-1.9213748 9:1.8338643 10:-0.65807337 #

Appendix C8

SVM Model Weights

(29; Benign/Malignant)

SVM-light Version V6.01
0 # kernel type
3 # kernel parameter -d
1 # kernel parameter -g
1 # kernel parameter -s
1 # kernel parameter -r
empty# kernel parameter -u
29 # highest feature index
99 # number of training documents
56 # number of support vectors plus 1
0.41759311 # threshold b, each following line is a SV (starting with alpha*y)
-0.0038912456187004405 1:-0.42324471 2:2.5828345 3:-1.8410451 4:-0.4363316 5:0.067014627 6:-1.8869078 7:2.7124326 8:3.5093668 9:-2.1161191 10:0.31742153 11:2.0527875 12:2.6345732 13:-0.53119665 14:-1.2637744 15:0.19591911 16:-2.386672 17:0.98163056 18:0.015205857 19:1.3719232 20:-3.8242466 21:0.63041341 22:2.2860601 23:-2.2027335 24:-1.1924071 25:0.088403225 26:-2.2897179 27:1.8068643 28:-0.78437859 29:-0.35509837 #
0.0020402683483578803 1:16.053837 2:-15.819319 3:-1.6210849 4:3.6457462 5:4.4152589 6:10.210145 7:1.1093941 8:-8.4489651 9:-7.8424716 10:1.2531379 11:-5.7854691 12:0.85058212 13:11.505015 14:0.58409226 15:5.614861 16:-5.0463986 17:-2.4444163 18:-0.25845858 19:1.0797292 20:-3.8040044 21:1.912954 22:0.23680127 23:-0.15167442 24:-1.3719921 25:2.5946932 26:0.17403919 27:-1.2898791 28:0.059081983 29:0.14672025 #
-0.0020713424289802566 1:5.8117294 2:-1.9790573 3:3.3024013 4:1.4090675 5:4.0260754 6:1.7043306 7:-1.2717206 8:-5.0069366 9:-0.5155825 10:4.2741876 11:-0.63364661 12:3.6082911 13:-1.0221395 14:4.3295956 15:-3.6911883 16:3.8338921 17:1.1320567 18:0.076046549 19:0.73055929 20:1.5319011 21:2.0646148 22:2.5041037 23:-1.2301037 24:1.9691244 25:-1.8752548 26:-1.3004006 27:-1.2616713 28:1.7858572 29:-0.20650764 #
0.0038912456187004405 1:-0.23311329 2:-1.5340611 3:-0.56233943 4:-7.4785199 5:-3.6518826 6:-4.7517338 7:-0.41352883 8:-1.1385972 9:-2.3377373 10:0.89005411 11:-3.0769937 12:0.91200078 13:-1.0174296 14:-0.29183522 15:5.4507852 16:1.9547648 17:2.4246554 18:-2.5977473 19:0.059181549 20:0.9693011 21:-1.3478724 22:1.2955381 23:0.29502755 24:-0.31393111 25:-0.025742445 26:-1.3289164 27:-1.1254236 28:0.11153328 29:1.9973383 #
0.0038912456187004405 1:5.7773232 2:-0.2485496 3:-4.9756732 4:2.3672733 5:-1.7608249 6:-4.6183424 7:-6.1881247 8:-1.4636059 9:0.42568609 10:0.91490215 11:2.9737656 12:1.4572622 13:2.3844304 14:3.479558 15:-2.172904 16:1.3687432 17:-2.2401547 18:2.038378 19:-1.0956939 20:2.6179361 21:4.8499289 22:-1.0542914 23:-1.1590868 24:2.5353518 25:0.69207913 26:-5.589396 27:1.1018655 28:4.4162931 29:2.5424984 #
0.0038912456187004405 1:2.3662179 2:1.6748204 3:3.8486438 4:1.4897406 5:-0.9291935 6:-7.1160836 7:-1.9521724 8:1.1360776 9:-1.8011853 10:2.2141206 11:1.7985709 12:-2.1508341 13:1.6635997 14:0.10243254 15:-0.36165324 16:1.0803972 17:0.49766871 18:0.0012823264 19:-0.98907411 20:-2.9658399 21:0.10815067 22:1.4386787 23:-1.396909 24:-0.14514606 25:-0.095915295 26:-0.20809935 27:-1.45952 28:-0.80965692 29:-0.10805699 #
0.0038912456187004405 1:-5.2307115 2:5.5413795 3:4.0636749 4:-6.2058477 5:4.1717806 6:1.6895379 7:0.53004158 8:-4.6441884 9:3.1082587 10:0.048623063 11:-1.3503591 12:0.17829828 13:-0.59768867 14:0.87042594 15:-0.4560613 16:-0.69823253 17:-0.94882631 18:-1.0522534 19:-2.2051711 20:-2.6186538 21:1.3570184 22:-3.7802284 23:1.1904382 24:2.3432648 25:-1.1689653 26:2.4562342 27:0.067852028 28:-2.5447171 29:2.2677996 #
0.0025697199378155304 1:-3.8347991 2:0.4250325 3:-15.678971 4:7.1875505 5:0.54047203 6:-4.0046563 7:1.9759779 8:1.9077226 9:10.761656 10:-8.7568007 11:-1.4441179 12:-0.30809698 13:-1.9578561 14:-4.2252517 15:8.2054901 16:-1.636007 17:2.6754603 18:7.3106451 19:-4.4067588 20:-2.1794596 21:3.0483193 22:-0.39562172 23:-1.4235375 24:1.0369247 25:-0.085445531 26:0.30943248 27:-3.5057745 28:1.2857898 29:0.37323707 #
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-0.0038912456187004405 1:3.1450987 2:3.0755467 3:3.8123691 4:-5.2419996 5:3.5220785 6:2.7474384 7:3.2287869 8:-0.89663881 9:1.4479074 10:0.22962917 11:-0.68433446 12:0.67356664 13:-2.3352745 14:0.13635983 15:-1.3551366 16:-0.17511296 17:-0.53919446

18:0.34350392 19:-1.4785919 20:0.38314915 21:1.0084164 22:-0.74683142 23:-1.01981
24:0.92450368 25:0.048945725 26:2.4303942 27:1.9733022 28:-1.084133 29:2.4037261 #
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6:8.9671669 7:3.5218017 8:-0.39461762 9:2.7775333 10:1.1787916 11:0.15996362 12:2.4074681
13:-3.6746743 14:0.4590081 15:-1.2401536 16:-0.21795638 17:-2.150651 18:1.5083847 19:-
2.3201568 20:-1.4036152 21:1.2891895 22:1.8004652 23:-2.8867595 24:-0.48214114 25:-
0.6927855 26:1.416193 27:0.6444248 28:-1.7029501 29:0.43822736 #
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3.957773 7:1.591818 8:5.2486348 9:-3.780654 10:0.71394485 11:0.55227733 12:2.4138548 13:-
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19:0.52961248 20:-0.58919561 21:0.35186648 22:-0.27301615 23:-0.5683229 24:-0.66487145 25:-
0.83458596 26:-1.3270503 27:1.6758934 28:-0.087032422 29:0.037628613 #
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13:1.9572977 14:1.525573 15:-1.4694535 16:-0.72089523 17:6.3752151 18:-3.8398392 19:-
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25:3.0514641 26:0.59763795 27:1.0259111 28:0.36511812 29:-1.4264234 #
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6:11.626836 7:-2.2610507 8:1.9518424 9:-9.4666557 10:-3.7131739 11:10.517995 12:-6.7265964
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13:-1.2142708 14:4.7062192 15:3.6511281 16:8.7197504 17:-5.4372635 18:-4.8534231
19:8.6003857 20:-2.3985815 21:3.356118 22:-0.72012883 23:-2.1830902 24:-0.51483166
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4.6980391 7:-4.2098918 8:0.72386932 9:-0.43842459 10:-3.7361112 11:1.2272559 12:1.3518623
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19:0.0092338799 20:-2.99612 21:-0.1943074 22:-0.86630803 23:1.6802975 24:-1.0868572 25:-1.5044321 26:-1.582459 27:1.117466 28:-0.57524675 29:0.018987674 #
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0.92714 25:2.8568938 26:-0.54916203 27:-0.33980703 28:1.3728271 29:-1.5007032 #
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13:-0.17664123 14:-2.0569618 15:-1.6601045 16:1.1510824 17:0.25813934 18:0.13201335 19:-
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Appendix C9

SVM Model Weights

(9; Early/Late)

SVM-light Version V6.01
0 # kernel type
3 # kernel parameter -d
1 # kernel parameter -g
1 # kernel parameter -s
1 # kernel parameter -r
empty# kernel parameter -u
9 # highest feature index
59 # number of training documents
41 # number of support vectors plus 1
0.51655237 # threshold b, each following line is a SV (starting with alpha*y)
-0.0050915505695401271 1:-8.3236828 2:-2.2087071 3:-0.27089623 4:2.6121626 5:2.6397204 6:3.6725602 7:2.614264 8:2.3370502 9:-2.1257644 #
-0.0018301364805106 69 1:8.4171867 2:5.161294 3:1.8632329 4:5.0714602 5:5.020833 6:-0.54171818 7:-0.74185503 8:-5.2189178 9:6.4979911 #
-0.0050915505695401271 1:12.019065 2:-4.8004398 3:4.4707756 4:4.196064 5:4.823154 6:-7.7504168 7:3.056613 8:-2.0674977 9:5.8091102 #
0.0050915505695401271 1:0.12176631 2:1.5119995 3:-0.2009106 4:2.364769 5:-2.1576962 6:5.2755914 7:5.1912417 8:3.4393139 9:2.883764 #
0.0041073606848502859 1:-13.079961 2:1.0930103 3:2.5594432 4:0.53382522 5:-14.319618 6:-7.9226675 7:-5.8632889 8:-4.1756377 9:-1.4476115 #
-0.0050915505695401271 1:-3.3880587 2:-2.6414342 3:2.8064957 4:-1.3999835 5:-2.6332676 6:6.3005533 7:1.1491936 8:2.35604 9:0.27799395 #
-0.0050915505695401271 1:2.5751998 2:10.221202 3:-0.95512414 4:9.3179073 5:-1.7831018 6:4.4525976 7:2.2225649 8:1.906949 9:2.5413458 #
0.0050915505695401271 1:12.366791 2:6.0081248 3:1.7113053 4:2.7979217 5:6.9255257 6:-8.9968224 7:-2.4731126 8:-1.0733718 9:1.2842386 #
0.0050915505695401271 1:8.6113596 2:0.035663262 3:0.78688341 4:1.3550853 5:3.178411 6:-1.0208944 7:-0.012796087 8:0.31668177 9:1.7832772 #
0.0050915505695401271 1:9.7260504 2:-7.8163357 3:6.8109908 4:4.9323745 5:-1.6638223 6:3.745981 7:-0.47318304 8:2.3136632 9:0.40887526 #
-0.0016763983261444369 1:6.7611756 2:-14.71443 3:8.2472305 4:7.897903 5:2.2104344 6:1.6990815 7:-5.5606017 8:-3.6665649 9:0.020383494 #
0.0050915505695401271 1:-7.6496434 2:2.703886 3:0.28662038 4:1.7879531 5:-3.0434427 6:-1.193588 7:6.320919 8:0.0046777669 9:-1.8738962 #
-0.0050915505695401271 1:4.2723708 2:1.0816427 3:-5.1717262 4:-9.1334429 5:-1.5630178 6:-4.2477694 7:-1.4042612 8:8.0716524 9:-0.61411405 #
-0.0050915505695401271 1:5.4242792 2:8.5105228 3:-3.6257584 4:-4.6308413 5:-0.75645578 6:-0.45588413 7:-0.88993597 8:-5.7085314 9:-1.9537624 #
-0.0050915505695401271 1:0.6300419 2:4.7734146 3:-1.2489752 4:-8.6097279 5:2.008311 6:-6.2184939 7:-6.5808897 8:2.7158918 9:-2.4301894 #
-0.0050915505695401271 1:-5.463172 2:7.882761 3:-2.6611001 4:4.7720952 5:-2.6212659 6:-0.66245055 7:6.5618205 8:0.32615471 9:1.1786789 #
0.0050915505695401271 1:-0.24590166 2:-8.1644478 3:3.5928798 4:-1.0753064 5:-2.0135837 6:-0.10096657 7:-1.1228001 8:-3.6788621 9:-1.2726107 #
0.0050915505695401271 1:-6.6983242 2:-9.0942469 3:1.7515687 4:-0.034388322 5:-4.4506936 6:0.60848588 7:4.9920249 8:0.42073253 9:-1.6036102 #
0.0050915505695401271 1:-1.9800807 2:2.2620521 3:2.8543808 4:1.8967757 5:-8.6841125 6:7.2651377 7:-6.1430531 8:2.780396 9:5.0979185 #
-0.0050915505695401271 1:5.0472207 2:-15.336944 3:10.763581 4:0.12245622 5:-1.045119 6:5.0700855 7:0.022931358 8:1.0390165 9:-1.5287296 #
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0.0028402704586087501 1:7.9950004 2:7.8763146 3:-2.6768916 4:4.3499146 5:-0.26874429 6:-1.2617569 7:7.5231724 8:-1.001968 9:-3.2742054 #
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-0.0050915505695401271 1:5.9731479 2:-2.2345276 3:2.4485157 4:0.69162613 5:0.90995193 6:0.060546741 7:1.8535619 8:-4.2391319 9:-3.620893 #
0.0050915505695401271 1:11.704061 2:6.5949616 3:0.45483977 4:4.3702846 5:0.58678722 6:4.2801876 7:-6.5564938 8:-2.7858698 9:-10.711282 #
0.0050915505695401271 1:8.0561037 2:-1.9924136 3:0.82999653 4:-3.7921369 5:-0.51860911 6:-6.4783216 7:1.8349005 8:9.0483742 9:-5.104785 #
0.0050915505695401271 1:3.8433597 2:2.4452479 3:-2.7605469 4:-2.1829417 5:-0.22223227 6:0.20662466 7:8.3353586 8:1.2071977 9:0.19084433 #
0.0050915505695401271 1:-7.5296364 2:-0.089652337 3:1.6496497 4:-2.9499371 5:-0.089410551 6:-1.4661449 7:5.7495131 8:-0.59138709 9:-2.9437177 #
-0.0050915505695401271 1:4.9163074 2:8.6507969 3:-2.8113577 4:-2.7883282 5:3.6005468 6:-3.0850611 7:-1.1117666 8:-1.8606527 9:-0.43682045 #
-0.0050915505695401271 1:2.9703248 2:-1.9154285 3:-1.4705251 4:-3.6158135 5:-0.88654208 6:-5.2746539 7:3.5916541 8:-1.5249115 9:0.42257392 #
0.0050915505695401271 1:2.1832664 2:5.4387846 3:1.7195971 4:2.0288308 5:0.93580216 6:1.0958407 7:-1.1356411 8:-1.3170016 9:0.4036161 #
-0.0050915505695401271 1:-3.0042043 2:-3.113188 3:0.97381061 4:3.8624547 5:0.49664947 6:6.8813305 7:3.981081 8:0.12391745 9:-7.6547618 #
-0.001825325896597868 1:-4.7538085 2:-0.59608591 3:1.9817924 4:0.188968 5:1.4622716 6:2.7846963 7:-0.015608484 8:-0.34373811 9:-0.33039114 #
0.0050915505695401271 1:1.5687745 2:2.8747225 3:-4.5921497 4:0.64045548 5:-1.2402862 6:-1.6395731 7:6.439642 8:2.6914668 9:-1.4795072 #
0.0050915505695401271 1:13.466636 2:-3.3573108 3:5.5644298 4:0.57824087 5:1.6920621 6:-4.2968526 7:-2.6953287 8:12.022702 9:-0.46672329 #
-0.0050915505695401271 1:-8.2843933 2:3.6966038 3:-0.46435714 4:1.5304902 5:1.1075522 6:1.9134642 7:-0.79442489 8:0.52520049 9:0.83645153 #
-0.0016146717504300374 1:-5.3749466 2:-0.57213622 3:1.9126483 4:-0.20721766 5:2.5620048 6:0.42490456 7:2.1423569 8:2.1214426 9:2.944675 #

Appendix C10

SVM Model Weights

(82; Normal/Diseased)

SVM-light Version V6.01
0 # kernel type
3 # kernel parameter -d
1 # kernel parameter -g
1 # kernel parameter -s
1 # kernel parameter -r
empty# kernel parameter -u
82 # highest feature index
138 # number of training documents
66 # number of support vectors plus 1
0.91588255 # threshold b, each following line is a SV (starting with alpha*y)
-0.0076483405254407864 1:4.5847425 2:2.2634013 3:2.0592687 4:-5.0744176 5:0.49108469 6:0.22187696 7:-0.36198542 8:0.55549079 9:1.16945 10:-0.87860185 11:-1.1730505 12:-0.3179169 13:0.23897839 14:0.0276103 15:-0.61931932 16:-0.36701918 17:0.615264 18:0.36962268 19:0.44902951 20:-0.33884093 21:1.0904425 22:-0.38783035 23:-0.37142119 24:0.39539182 25:-0.4826895 26:-0.21500368 27:-0.67627174 28:0.3106209 29:-0.19005503 30:-0.4044213 31:0.18639822 32:0.53177643 33:-0.0049400758 34:0.10411026 35:0.68578869 36:0.6420173 37:0.20198441 38:-0.2101412 39:0.064416796 40:-0.47914064 41:0.10461269 42:-0.16773476 43:-0.24920754 44:0.18940452 45:-0.1689584 46:0.062387589 47:-0.45937023 48:-0.33496517 49:-0.14661789 50:-0.22380395 51:-0.074915603 52:-0.1020799 53:-0.0018175301 54:-0.30253807 55:0.095320068 56:-0.015116707 57:0.21616898 58:0.050350856 59:0.12480601 60:-0.16774625 61:-0.0094391638 62:-0.15444873 63:-0.085922405 64:0.12145302 65:-0.061998256 66:-5.1350667e-005 67:0.060637005 68:0.098352186 69:0.0060797031 70:-0.10896418 71:-0.12341803 72:0.051324908 73:-0.029632403 74:0.058390208 75:0.11286738 76:-0.061157502 77:-0.065740541 78:0.058845371 79:0.0075725247 80:0.030219166 81:-0.056935508 82:0.25329241 #
-0.00044922431503931562 1:2.7292669 2:-0.87484086 3:1.3847753 4:-2.5739579 5:-1.6700684 6:1.5497742 7:2.4080608 8:-0.16631955 9:0.71711522 10:0.83663976 11:-0.34217042 12:-0.62897521 13:-0.24687213 14:0.016595371 15:-0.068257757 16:0.74069893 17:0.046216469 18:-0.15484238 19:-0.22101912 20:0.51348305 21:-0.085669801 22:-0.29448444 23:0.5208143 24:-0.14858969 25:-0.43966821 26:-0.56693649 27:0.55913043 28:0.22785313 29:-0.56943578 30:-0.35407853 31:-0.24522364 32:0.55069065 33:0.20480718 34:0.30379486 35:0.16293195 36:0.15258834 37:0.060010027 38:0.003893218 39:0.10791249 40:0.025357278 41:0.01221049 42:-0.13418299 43:0.22918029 44:-0.24793933 45:-0.043030676 46:-0.15973574 47:0.022680411 48:-0.22957636 49:-0.30749011 50:-0.011659611 51:-0.29319248 52:0.068978317 53:-0.015883964 54:-0.084682703 55:-0.090296596 56:-0.17299882 57:0.17286356 58:0.11593377 59:0.079820968 60:0.10089025 61:0.0374109 62:-0.057096943 63:0.029226493 64:-0.13218029 65:-0.01847516 66:-0.11948834 67:0.050875507 68:-0.20623796 69:0.062507994 70:-0.001748995 71:0.10765689 72:-0.15362611 73:0.010407766 74:-0.01776205 75:-0.045297291 76:-0.096473232 77:-0.038755342 78:0.04264988 79:-0.0060658264 80:-0.048446387 81:-0.0060270764 82:0.25329241 #
-0.014371081791088378 1:-5.1113815 2:0.57726955 3:-0.16488729 4:0.74226958 5:-0.30446488 6:0.886015 7:1.8407021 8:0.18502738 9:-0.11585715 10:1.9997953 11:-1.855323 12:1.511979 13:-1.6631278 14:0.7318204 15:-0.44916517 16:-1.2758362 17:-0.5231505 18:0.33729729 19:0.2270249 20:0.12768893 21:0.70871359 22:0.14002234 23:-0.16169912 24:-0.23062897 25:0.23679484 26:-0.28617558 27:-0.16430555 28:-0.16047885 29:-0.26272172 30:1.0595289 31:0.080195658 32:0.23094855 33:-0.0027916753 34:0.027821295 35:-0.087868601 36:0.0089416346 37:0.086345434 38:0.089552544 39:0.13538322 40:-0.083581984 41:-0.036680561 42:0.29984289 43:-0.19133432 44:-0.18991344 45:-0.038103603 46:0.060575396 47:-0.21550873 48:0.19764003 49:-0.31966409 50:-0.11456911 51:-0.12018149 52:0.06280674 53:0.056707256 54:0.1730841 55:-0.12535621 56:0.13015634 57:0.024985867 58:0.0010376547 59:-0.32023323 60:0.025551204 61:0.0029451507 62:-0.01172725 63:0.085252084 64:0.039614592 65:0.034663673 66:0.021892343 67:0.06643419 68:-0.12030014 69:0.066777527 70:0.085736215 71:0.014435894 72:0.11806186 73:0.085510179 74:-0.025865363 75:0.032559432 76:-0.031891055 77:0.068707459 78:-0.041551165 79:-0.068723224 80:0.0071537192 81:-0.049376685 82:0.25329241 #
-0.014371081791088378 1:2.2287729 2:-1.5711297 3:1.9142879 4:-2.4105821 5:-0.82760811 6:-0.051177371 7:2.3851252 8:0.23879933 9:-0.22404511 10:0.9515605 11:1.3752612 12:-0.47283813 13:-0.62004745 14:-0.15891433 15:-0.23082669 16:0.22891361 17:0.2984466 18:0.40207329 19:-0.25207257 20:1.114337 21:-0.085014805 22:-0.23101467 23:1.0295955 24:-

0.13797589 25:-0.86484188 26:-0.36626312 27:0.47487071 28:0.29537171 29:0.37726468
30:0.34178337 31:-0.33228907 32:0.20104116 33:0.33601233 34:-0.41333455 35:-0.12814856
36:-0.11505847 37:-0.34001675 38:0.017345911 39:0.69055814 40:-0.20999053 41:-0.28078789
42:0.031112036 43:0.49086183 44:0.078199729 45:-0.11319491 46:0.024288604 47:-0.32287583
48:-0.39810702 49:-0.13391301 50:0.36462301 51:0.32107246 52:-0.14707287 53:0.016873788
54:-0.1542756 55:0.17066027 56:-0.040824272 57:-0.11435414 58:0.048499148 59:-0.11851748
60:0.25437239 61:0.12829477 62:0.001029599 63:-0.073667184 64:-0.094490662 65:0.069974028
66:-0.020970093 67:0.17274797 68:-0.0263604 69:-0.0022221897 70:-0.010828389 71:-
0.059272483 72:0.084768288 73:-0.11710385 74:0.038728788 75:0.10109479 76:-0.0091925208
77:-0.03793776 78:-0.0065581268 79:0.081904575 80:0.014569444 81:-0.013232046
82:0.25329241 #
-0.012790167282685186 1:1.4574884 2:0.015848074 3:-0.33706057 4:-2.7190514 5:-0.23856521
6:1.1282589 7:4.770062 8:-1.29501 9:-1.9618376 10:-1.1694449 11:0.52534366 12:0.20604922
13:-2.2680326 14:0.31232414 15:-0.22935958 16:-0.12984578 17:1.4539638 18:-0.66572165 19:-
0.61231405 20:0.11244271 21:0.14783788 22:0.11083714 23:0.29934567 24:-0.87440795
25:0.15323026 26:1.0258993 27:0.27414846 28:-0.04812938 29:-0.12562743 30:0.19762035 31:-
0.17843114 32:0.40907478 33:0.25319341 34:0.048380677 35:-0.19457053 36:-0.23681453
37:0.13493825 38:0.17903772 39:0.35236469 40:-0.53913647 41:0.080974691 42:-0.26547015
43:-0.30515867 44:0.010836482 45:0.12052717 46:0.074725874 47:-0.17282738 48:-0.11382633
49:-0.11617535 50:0.19010371 51:-0.0024177416 52:0.19004396 53:-0.16984753 54:0.094210982
55:0.2869454 56:-0.038896669 57:0.092624567 58:-0.12117749 59:0.095160618 60:0.022614149
61:-0.22998363 62:-0.035386126 63:0.088216156 64:0.0059904926 65:-0.12207601 66:-
0.044122107 67:-0.16771907 68:0.089419238 69:-0.0554187 70:-0.04553055 71:0.022514403
72:0.074693039 73:-0.091671467 74:0.018955754 75:-0.11902653 76:-0.038560998
77:0.034875493 78:-0.11377853 79:-0.00077183789 80:-0.061335351 81:-0.088626988
82:0.25329241 #
0.014371081791088378 1:0.06615974 2:0.82899189 3:3.7103472 4:0.46607265 5:-0.7831766 6:-
1.6723894 7:-1.4600012 8:1.1860324 9:1.239713 10:0.81957269 11:-0.32550952 12:-0.55861676
13:-0.18325511 14:-0.22688431 15:-0.21395828 16:-0.93185627 17:0.20886678 18:0.13881239
19:-0.33757123 20:0.44255421 21:0.31845215 22:0.056041222 23:-1.5434151 24:-0.14916039
25:0.18890569 26:0.67844182 27:1.3269674 28:0.55836189 29:0.19340102 30:0.43353793 31:-
0.99362516 32:0.91038316 33:1.1408969 34:0.31660739 35:0.34252787 36:-0.72257799 37:-
0.46841586 38:-1.0209457 39:0.24468613 40:-0.075987726 41:0.45763588 42:0.089487724
43:0.36740333 44:-0.040773667 45:0.42630103 46:-0.39231455 47:-0.34097144 48:0.10832095
49:-0.035751157 50:-0.17712952 51:-0.22984697 52:-0.15966576 53:0.054046173 54:-0.1670076
55:-0.24421507 56:0.26292667 57:0.058809381 58:-0.085042097 59:0.1784807 60:-0.090719037
61:-0.076136403 62:0.18277626 63:-0.014541054 64:-0.12680072 65:0.0041166362 66:-
0.05693952 67:-0.009223762 68:0.077097706 69:-0.072531514 70:0.030093649 71:0.077202767
72:-0.067946836 73:0.015153731 74:-0.094144031 75:0.067356981 76:0.0079724956
77:0.030221352 78:0.002898871 79:0.012197466 80:-0.0044414075 81:0.030008562
82:0.25329241 #
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6:0.41640604 7:-0.26739401 8:1.0713867 9:-0.31974295 10:-0.88768101 11:-0.13179372 12:-
0.08601705 13:-0.12007866 14:0.88547117 15:0.6711638 16:-0.63679755 17:1.0436785 18:-
0.20595425 19:0.19097529 20:0.62846404 21:-0.16020004 22:0.46306559 23:0.048650976
24:0.28169036 25:-0.60569304 26:-0.37091634 27:-0.12243859 28:0.21760912 29:-0.23224078
30:-0.52316302 31:0.51549333 32:-0.64715832 33:-0.15821511 34:-0.095805489 35:-0.023212345
36:-0.35592464 37:-0.24998397 38:-0.13912265 39:0.067599528 40:-0.074657343 41:-0.15317573
42:0.423792 43:0.18411036 44:-0.042168655 45:0.26337865 46:0.57878953 47:0.39212322
48:0.058100116 49:-0.21698788 50:-0.064674288 51:0.063105181 52:0.031948261 53:0.10002521
54:0.02464137 55:0.051568132 56:-0.25280839 57:0.080034398 58:0.26760021 59:0.20775615
60:-0.048556402 61:-0.08541014 62:0.24948281 63:-0.082818843 64:-0.14832869 65:0.12030313
66:-0.054670993 67:-0.05423595 68:0.10971306 69:-0.014325269 70:-0.044792432
71:0.20490377 72:-0.0062538898 73:0.026925711 74:0.043139815 75:0.029467251 76:-
0.0021748471 77:0.0485989 78:0.064881511 79:-0.024845082 80:-0.043836217 81:-0.0997077
82:0.25329241 #
0.014371081791088378 1:-0.012769639 2:0.16790693 3:2.2407362 4:-0.65757632 5:2.1763229
6:-0.27352577 7:1.5930518 8:0.38376945 9:1.6629692 10:-1.3885146 11:2.3340931 12:-
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24:0.23999192 25:0.51351893 26:-0.19925565 27:-0.5412268 28:-0.13415499 29:-0.068471946
30:0.4770731 31:0.029407311 32:0.5765447 33:-0.56791747 34:-0.13480355 35:0.44296059 36:-
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42:0.022065988 43:-0.25367579 44:0.62644428 45:0.27425531 46:0.13100083 47:-0.50767177
48:0.2815612 49:-0.091984488 50:-0.28374043 51:0.033678703 52:0.14927301 53:0.14131416
54:-0.036364838 55:0.031883806 56:0.065345913 57:-0.037159827 58:-0.071655668
59:0.15219162 60:0.026322618 61:-0.065573119 62:0.048991051 63:-0.084432766 64:-
0.057116892 65:0.24003533 66:0.0039681606 67:-0.0093432497 68:-0.017792653 69:-
0.05870457 70:0.023568843 71:-0.065016292 72:-0.0044201193 73:0.015904099 74:-
0.075103998 75:0.064098649 76:0.0098518692 77:0.062355176 78:0.05770335 79:-0.10099295
80:0.034868445 81:0.015963936 82:0.25329241 #
0.010140794447390309 1:-4.1371694 2:3.247313 3:1.5488372 4:2.1306124 5:0.076607205
6:0.77619171 7:2.1699479 8:1.0553551 9:-1.6450247 10:-0.256722 11:-1.023086 12:0.0088802725
13:0.69740379 14:0.35752964 15:0.78221714 16:0.015664212 17:-0.66256732 18:0.013428795
19:0.38016322 20:0.42372048 21:-0.76154864 22:1.5354502 23:-0.81900328 24:0.40335721
25:0.43321145 26:-0.49061343 27:0.21595629 28:0.061132494 29:0.24946894 30:-0.61602104
31:-0.29535908 32:-0.086960718 33:-0.82157582 34:-0.17725144 35:-0.62329596 36:-0.58398896
37:-0.26470143 38:-0.23674664 39:-0.16934665 40:-0.13747382 41:-0.08068835 42:-0.50744444
43:-0.21849048 44:-0.15728588 45:-0.40683433 46:0.089571439 47:-0.22218646 48:-0.26643953
49:-0.21469624 50:0.048496488 51:-0.035119418 52:-0.090131447 53:0.037757535 54:-
0.35595295 55:-0.13658559 56:-0.054087948 57:-0.083727963 58:0.052598465 59:0.085117072
60:0.11267716 61:0.13963972 62:0.0078268088 63:0.25140557 64:0.024301574 65:-
0.0076780352 66:-0.1301339 67:-0.14596663 68:-0.11988603 69:0.067040093 70:0.12744001
71:0.032765571 72:0.1281205 73:0.061594952 74:-0.031729899 75:0.081476592 76:-0.08268398
77:-0.067217961 78:0.0087663494 79:0.0098926937 80:-0.0090905735 81:0.039001472
82:0.25329241 #
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2.8033917 7:-1.4413491 8:1.5224484 9:1.8574331 10:-0.045176703 11:-0.26056677 12:-
0.91296232 13:0.53769797 14:0.12464325 15:-1.5257736 16:0.0065172375 17:0.16323173
18:0.57849044 19:0.3868342 20:0.7542969 21:-0.26354387 22:-0.46942788 23:0.14543609
24:0.075713098 25:-0.29288822 26:0.56308526 27:-0.40826803 28:0.073977292 29:-0.20787065
30:0.13102642 31:0.00035501234 32:0.25087476 33:-0.24365909 34:-0.42595544 35:0.060347307
36:-0.12909004 37:-0.14663725 38:0.34130844 39:0.34116295 40:-0.12632339 41:-0.48732257
42:0.18367004 43:-0.42145506 44:0.2766315 45:-0.13402918 46:-0.27153131 47:0.24115941
48:0.030122265 49:0.034082003 50:0.20779416 51:-0.21837978 52:-0.065812759 53:-
0.077067494 54:-0.038395625 55:-0.13360102 56:-0.32544705 57:0.19000578 58:-0.011514278
59:-0.055158172 60:-0.012644858 61:-0.0072809733 62:0.11915585 63:0.17997804 64:-
0.057244699 65:-0.19111633 66:0.019482378 67:-0.10509145 68:-0.15546803 69:-0.14434534
70:0.012139316 71:0.027630648 72:0.061719794 73:0.0098098945 74:0.011975448 75:-
0.031700905 76:-0.017836515 77:-0.0094708651 78:-0.077912182 79:-0.019385353 80:-
0.012621189 81:-0.013810867 82:0.25329241 #
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1.4319143 7:-1.7905619 8:-1.1273483 9:0.62155408 10:0.79449165 11:-0.44127455 12:1.936054
13:0.58078474 14:0.033164572 15:-0.044798613 16:-0.62758458 17:0.32621294 18:-0.95531911
19:0.75106478 20:0.65697551 21:-0.5813753 22:-0.034206238 23:0.26181296 24:0.061108191
25:-0.29467076 26:-0.18484378 27:0.88564676 28:-0.10793303 29:0.6550312 30:-0.088795416
31:0.0096849464 32:-0.081404671 33:-0.16644143 34:-0.19583501 35:-0.25153825
36:0.098348863 37:0.26091307 38:0.10535178 39:0.017809503 40:0.089981742 41:0.40348145
42:0.1128048 43:0.18216892 44:0.29997975 45:-0.27850741 46:0.4457044 47:-0.11780976 48:-
0.26756835 49:-0.033972185 50:0.045925472 51:-0.00088148023 52:-0.070664935
53:0.20158044 54:0.08260829 55:-0.093603566 56:0.10176333 57:0.051761001 58:-0.11161759
59:0.078998119 60:-0.095937975 61:-0.10439479 62:0.069873109 63:0.30256033 64:0.093203656
65:-0.080625921 66:0.041989177 67:-0.076998971 68:-0.049412522 69:-0.0010920394
70:0.011841179 71:-0.00012070101 72:0.060432691 73:0.02278533 74:-0.09382841 75:-
0.020158742 76:0.02458903 77:0.032093987 78:-0.036760859 79:-0.059564136 80:0.0073090857
81:-0.012033216 82:0.25329241 #
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Appendix C11

SVM Model Weights

(82; Benign/Malignant)

SVM-light Version V6.01
0 # kernel type
3 # kernel parameter -d
1 # kernel parameter -g
1 # kernel parameter -s
1 # kernel parameter -r
empty# kernel parameter -u
82 # highest feature index
99 # number of training documents
56 # number of support vectors plus 1
0.45569806 # threshold b, each following line is a SV (starting with alpha*y)
0.013907467001722892 1:3.1567101 2:0.16618904 3:1.8542163 4:0.014481023 5:1.3972945 6:-3.1025994 7:-3.4176571 8:-0.45484769 9:1.1210192 10:-0.38685206 11:-1.5205327 12:0.68543404 13:-1.75438 14:0.53878391 15:2.7158511 16:-0.56557649 17:1.2554321 18:-0.47308835 19:0.68576759 20:0.97994357 21:-0.292142 22:0.39044076 23:-0.15855564 24:0.038191736 25:-0.31132123 26:0.53109151 27:-0.5032022 28:0.5605045 29:0.20520987 30:0.293466 31:-0.26168749 32:0.37033597 33:-0.29431155 34:0.10337116 35:-0.11785443 36:-0.28718862 37:0.32803136 38:0.29440144 39:-0.082999088 40:-0.014069064 41:0.085100941 42:0.062163971 43:-0.10818884 44:0.26157206 45:0.30576223 46:-0.39297685 47:-0.35423461 48:-0.087857343 49:0.10254776 50:-0.1561446 51:-0.016422139 52:0.07234285 53:0.013479226 54:-0.046674255 55:0.046594094 56:0.093331829 57:0.035379875 58:0.11953397 59:0.036969446 60:0.063316084 61:0.082851306 62:-0.1032842 63:0.13859528 64:0.041353751 65:-0.024971092 66:-0.026600137 67:0.029097036 68:0.018415105 69:-0.0062900544 70:0.035226297 71:0.010622519 72:-0.039238021 73:0.015994981 74:-0.0045444495 75:-0.03215915 76:0.024089301 77:0.012362846 78:-0.049592819 79:-0.0032664295 80:0.019039923 81:-0.011157157 82:0.25567371 #
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Appendix C12

SVM Model Weights

(82; Early/Late)

SVM-light Version V6.01
0 # kernel type
3 # kernel parameter -d
1 # kernel parameter -g
1 # kernel parameter -s
1 # kernel parameter -r
empty# kernel parameter -u
82 # highest feature index
59 # number of training documents
43 # number of support vectors plus 1
0.51192179 # threshold b, each following line is a SV (starting with alpha*y)
-0.009651868816170828 1:-1.3949257 2:-7.1064153 3:-7.6357293 4:-3.9997296 5:-4.3126149 6:-1.0455632 7:-1.7593037 8:-1.0766277 9:0.36871698 10:-1.4037681 11:0.43731076 12:1.5785676 13:-2.2389538 14:-1.66617 15:0.58093596 16:-1.9867874 17:1.2219658 18:-0.41062918 19:-0.68057811 20:0.72604179 21:-0.24368794 22:0.21090972 23:0.19525637 24:0.04606054 25:-0.1518749 26:-0.050912332 27:0.15238227 28:-0.017613446 29:-0.27513498 30:-0.029538082 31:-0.23303917 32:-0.11126661 33:-0.077786759 34:0.33194929 35:-0.011755408 36:-0.07646478 37:-0.16744053 38:0.23671371 39:-0.23311555 40:0.019464068 41:0.00095630309 42:-0.049225777 43:-0.022975719 44:-0.10502601 45:-0.10515327 46:0.084919095 47:-0.072050132 48:-0.044558402 49:-0.063181207 50:-0.040598646 51:-0.02891284 52:0.042690523 53:-0.028859708 54:0.024923081 55:0.016705168 56:0.042295106 57:0.0012129262 58:-0.010007722 59:0.0078843376 60:0.029451927 61:-0.14868067 62:0.016841359 63:-0.03576494 64:-0.071018636 65:-0.025739608 66:0.019898374 67:-0.06432239 68:0.041407861 69:-0.05748732 70:-0.036829431 71:-0.0151224 72:0.041355006 73:-0.065142207 74:-0.020542866 75:0.056401286 76:0.020827135 77:0.015769269 78:-0.03525912 79:0.089767262 80:0.030020168 81:-0.074020557 82:-0.0095585929 #
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24:-0.57425302 25:0.053492785 26:0.54330796 27:0.55115807 28:-0.69889963 29:0.072593451
30:0.13369447 31:-0.20441362 32:0.31789717 33:-0.040228985 34:-0.13832618 35:-0.20594792
36:0.18423782 37:-0.24442211 38:-0.1886507 39:0.14019041 40:0.052651592 41:-0.020638961
42:0.026714545 43:-0.11363702 44:-0.070138492 45:-0.12207137 46:-0.35650167 47:0.13796353
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0.071018636 65:-0.025739608 66:0.019898374 67:-0.06432239 68:0.041407861 69:-0.05748732
70:-0.036829431 71:-0.0151224 72:0.041355006 73:-0.065142207 74:-0.020542866
75:0.056401286 76:0.020827135 77:0.015769269 78:-0.03525912 79:0.089767262
80:0.030020168 81:-0.074020557 82:-0.0095585929 #
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-0.014129676532172022 1:0.38880625 2:-1.5202221 3:1.8515191 4:-0.057053305 5:-0.36625457 6:1.673123 7:-1.2837189 8:-1.2870549 9:0.50352156 10:-1.2465639 11:1.1318673 12:0.051396698 13:0.66061544 14:0.50571138 15:-1.2800717 16:0.29014322 17:0.69463599 18:0.027451562 19:-0.12588866 20:-0.53889167 21:0.012748598 22:-0.19130741 23:0.53985041 24:-0.1611672 25:0.14636391 26:0.03224428 27:0.2165996 28:0.30223122 29:0.33679906 30:0.14412227 31:-0.013372811 32:0.43927842 33:-0.10265231 34:-0.1041251 35:-0.3130199 36:-0.18684889 37:-0.1900457 38:0.24285334 39:-0.066695973 40:0.17855525 41:-0.16985112 42:-0.013048503 43:-0.063885801 44:0.088452458 45:0.18575054 46:0.040893011 47:-0.043057173 48:-0.055444524 49:-0.030102972 50:-0.050405726 51:-0.031667873 52:-0.023971891 53:-0.08683119 54:-0.042502359 55:0.028166918 56:0.028085964 57:0.0012129262 58:-0.010007722 59:0.0078843376 60:0.029451927 61:-0.14868067 62:0.016841359 63:-0.03576494 64:-0.071018636 65:-0.025739608 66:0.019898374 67:-0.06432239 68:0.041407861 69:-0.05748732 70:-0.036829431 71:-0.0151224 72:0.041355006 73:-0.065142207 74:-0.020542866 75:0.056401286 76:0.020827135 77:0.015769269 78:-0.03525912 79:0.089767262 80:0.030020168 81:-0.074020557 82:-0.0095585929 #
-0.0027119850464008073 1:-0.1235674 2:9.1242638 3:-3.2694976 4:-1.9610975 5:-1.0927585 6:1.739417 7:3.5246229 8:-1.5048804 9:0.71317029 10:-1.8953476 11:0.15650336 12:-0.047453586 13:-0.77944964 14:-1.0163347 15:-0.49707088 16:1.2771677 17:-0.098247908 18:0.86071211 19:0.62828761 20:-1.2553892 21:-0.27884349 22:-0.2579141 23:-0.32627985 24:-0.38073459 25:-0.66062993 26:-0.99281323 27:-0.072515115 28:-0.3559759 29:-0.1339059 30:-0.38346794 31:-0.138189 32:-0.087566212 33:0.32585442 34:-0.018183192 35:-0.03254519 36:0.37185615 37:-0.14023654 38:0.00083181128 39:-0.024392337 40:-0.21453759 41:0.0087169167 42:-0.27040747 43:-0.030262673 44:-0.067775473 45:0.029083207 46:0.18102282 47:-0.10595187 48:-0.10025868 49:0.0093888957 50:-0.080102541 51:-0.027170023 52:0.047395799 53:-0.025068192 54:0.051999666 55:0.0053025428 56:-0.0024844036 57:0.0012129262 58:-0.010007722 59:0.0078843376 60:0.029451927 61:-0.14868067 62:0.016841359 63:-0.03576494 64:-0.071018636 65:-0.025739608 66:0.019898374 67:-0.06432239 68:0.041407861 69:-0.05748732 70:-0.036829431 71:-0.0151224 72:0.041355006 73:-0.065142207 74:-0.020542866 75:0.056401286 76:0.020827135 77:0.015769269 78:-0.03525912 79:0.089767262 80:0.030020168 81:-0.074020557 82:-0.0095585929 #

Appendix C13

SVM Model Weights

(77; Normal/Diseased)

SVM-light Version V6.01
0 # kernel type
3 # kernel parameter -d
1 # kernel parameter -g
1 # kernel parameter -s
1 # kernel parameter -r
empty# kernel parameter -u
77 # highest feature index
138 # number of training documents
70 # number of support vectors plus 1
0.84091056 # threshold b, each following line is a SV (starting with alpha*y)
-0.0080722787272721822 1:4.4964366 2:-1.9232402 3:0.79626346 4:-1.9897418 5:0.80510318 6:2.1251585 7:-1.5002989 8:0.27981764 9:0.13564111 10:-0.74375212 11:-2.1897702 12:0.64559364 13:0.18348907 14:-0.80920774 15:0.52811146 16:0.68309391 17:-0.48481965 18:0.48805124 19:-0.56828117 20:-0.21268305 21:0.26711833 22:0.24619445 23:0.76305592 24:-0.037935089 25:-0.0027787928 26:0.16949297 27:-0.33707494 28:0.18837656 29:0.19275174 30:0.290317 31:0.087804936 32:-0.13446166 33:0.10305968 34:-0.09852086 35:-0.064386643 36:-0.046250403 37:0.1535148 38:-0.18191323 39:0.15117276 40:-0.073515728 41:-0.045017619 42:-0.11366132 43:-0.11412581 44:-0.21053967 45:0.095722117 46:0.023894051 47:0.11108802 48:0.1572502 49:0.027251426 50:-0.12324705 51:0.072330914 52:0.12066535 53:-0.020608915 54:0.041558318 55:0.13878544 56:0.07036978 57:-0.13811713 58:0.040571205 59:-0.026220437 60:0.040255491 61:-0.043604821 62:0.14185396 63:0.032436881 64:-0.030241679 65:0.0048340759 66:0.023171702 67:-0.034863781 68:-0.048638832 69:-0.069616713 70:0.051264167 71:0.0057058115 72:-0.023346355 73:-0.078577273 74:-0.018861227 75:0.0075417799 76:-0.01085316 77:0.19096926 #
0.014353309248426729 1:1.0541974 2:2.3965838 3:2.0010946 4:0.75458729 5:0.77514344 6:1.4750326 7:1.0153245 8:0.28703469 9:1.4778411 10:-0.11666621 11:0.41137302 12:0.085668772 13:-0.50968975 14:-1.9783171 15:0.83110416 16:0.12056253 17:0.09914846 18:-1.0437711 19:0.71249098 20:-0.082739554 21:0.04920321 22:-0.65606099 23:0.49226239 24:0.043491449 25:0.14755701 26:-0.29607397 27:-0.023315037 28:0.75468624 29:-0.32364133 30:0.12194663 31:0.23194517 32:-0.1660957 33:0.011016251 34:0.20845319 35:0.016992919 36:0.059358116 37:-0.22370563 38:-0.4956035 39:0.041449692 40:-0.10502515 41:-0.029065089 42:-0.14989041 43:-0.052000806 44:0.18101674 45:0.11844644 46:0.072443083 47:-0.31213465 48:0.086628787 49:-0.073447861 50:0.054050442 51:-0.015139502 52:0.012923755 53:0.067412421 54:0.16672988 55:0.042141914 56:-0.019829269 57:0.0034714264 58:-0.037610121 59:0.017614296 60:-0.086382836 61:-0.0428246 62:-0.034966465 63:-0.083110392 64:-0.024455875 65:0.11667071 66:-0.080493905 67:0.011723236 68:0.023163309 69:-0.018305045 70:-0.006845803 71:0.018221125 72:0.04826453 73:0.011845684 74:0.048712477 75:0.0014680276 76:-0.0040727593 77:0.19096926 #
-0.014353309248426729 1:0.46314588 2:3.9128089 3:-0.86363637 4:0.04046309 5:-0.51157683 6:-1.4265751 7:-0.080523364 8:-2.1386857 9:-1.3693994 10:1.1548964 11:0.52218449 12:-0.46195436 13:-0.17862622 14:0.35755825 15:-0.82406104 16:-0.53325355 17:0.39610642 18:0.051614285 19:0.10268705 20:-0.40703654 21:-0.1886259 22:-0.11897216 23:0.10170638 24:-0.66070902 25:-0.53536105 26:0.49288163 27:-0.70293969 28:-0.1222033 29:-0.048891608 30:0.37241495 31:0.080400266 32:-0.39068863 33:0.30465183 34:-0.13347328 35:0.28836092 36:-0.023716437 37:0.14553422 38:0.15835193 39:-0.23397873 40:0.12629595 41:0.23413505 42:0.070166387 43:-0.083833747 44:-0.016950658 45:-0.017871771 46:0.087831773 47:-0.00015709829 48:0.1673881 49:0.18956207 50:0.1952533 51:0.013547563 52:0.37886518 53:-0.050230384 54:0.13186033 55:-0.020242533 56:0.033409476 57:-0.054047745 58:0.011667713 59:-0.081895404 60:0.084315971 61:-0.17004821 62:-0.093653142 63:0.067260243 64:-0.0018483252 65:0.11754032 66:-0.063270047 67:0.095731378 68:-0.017015938 69:0.08558809 70:-0.045744702 71:0.0083405562 72:-0.060346164 73:-0.051456854 74:0.018569108 75:0.016022179 76:0.0058376403 77:0.19096926 #
-0.014353309248426729 1:-1.5467228 2:-1.5183928 3:1.1758648 4:0.6948514 5:-2.6607132 6:-2.3410974 7:-0.080892712 8:0.21044551 9:-0.036575131 10:-0.2435967 11:0.25000006 12:1.6211165 13:-0.182383 14:0.76657295 15:-0.052334391 16:0.19181778 17:-0.60221505 18:0.096046209 19:-0.51166803 20:-0.16289751 21:0.035897125 22:0.43033758 23:0.43565136 24:-0.53536803 25:0.21341068 26:-0.19518352 27:-0.46430638 28:0.38137683 29:0.45672259 30:-0.03918248 31:0.14056641 32:0.19300364 33:-0.25511897 34:0.47353798 35:-0.15196748 36:-0.083250403 37:-0.10796153 38:0.1312249 39:-0.26231718 40:0.20249712 41:0.16176087

42:-0.14357451 43:-0.34923258 44:0.33870053 45:0.02669606 46:0.005334042 47:0.17169333 48:0.071357645 49:-0.13616332 50:0.017426876 51:0.14566396 52:-0.021135578 53:-0.13017142 54:-0.048229631 55:-0.053085733 56:0.20227978 57:0.033354193 58:-0.05113541 59:-0.068235263 60:0.00012513905 61:0.012047799 62:-0.060866039 63:0.030329872 64:0.060451269 65:0.078133844 66:0.19231768 67:0.069377609 68:-0.011707771 69:-0.097945809 70:0.0088583073 71:0.053208005 72:-0.011949218 73:-0.045471206 74:-0.0034239914 75:0.012749125 76:-0.010776159 77:0.19096926 #
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65:0.091121376 66:0.041503921 67:-0.063253254 68:-0.058849603 69:-0.051496848 70:-0.041686796 71:0.023902418 72:-0.053651284 73:-0.014551555 74:-0.016947519 75:0.031618398 76:0.014569249 77:0.19096926 #
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Appendix C14

SVM Model Weights

(77; Benign/Malignant)

SVM-light Version V6.01
0 # kernel type
3 # kernel parameter -d
1 # kernel parameter -g
1 # kernel parameter -s
1 # kernel parameter -r
empty# kernel parameter -u
77 # highest feature index
99 # number of training documents
68 # number of support vectors plus 1
0.36970887 # threshold b, each following line is a SV (starting with alpha*y)
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49:-0.12212769 50:-0.069737017 51:-0.064663894 52:-0.098272793 53:-0.07575421
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Appendix C15

SVM Model Weights

(77; Early/Late)

SVM-light Version V6.01
0 # kernel type
3 # kernel parameter -d
1 # kernel parameter -g
1 # kernel parameter -s
1 # kernel parameter -r
empty# kernel parameter -u
77 # highest feature index
59 # number of training documents
46 # number of support vectors plus 1
0.38319729 # threshold b, each following line is a SV (starting with alpha*y)
-0.014768605856240387 1:-0.65310836 2:-5.348166 3:0.42853957 4:-1.999427 5:1.1351154 6:1.1151963 7:2.4849966 8:-0.59107262 9:-0.13457212 10:-0.96609777 11:0.025228789 12:-0.68566889 13:0.051409036 14:0.48685876 15:-0.0077693337 16:0.92148668 17:0.43014637 18:-1.0630491 19:0.089162685 20:-0.0070259096 21:-1.0024557 22:-0.15302616 23:-0.082511447 24:0.20078184 25:-0.127763 26:-0.37109262 27:-0.050487068 28:-0.43910831 29:0.13851134 30:0.3189086 31:0.033191819 32:0.029357022 33:0.33727446 34:-0.050259639 35:0.033500247 36:-0.15786904 37:0.25053495 38:0.12619995 39:-0.10271732 40:0.09438996 41:-0.15584245 42:0.011130134 43:0.042157743 44:0.10351449 45:-0.085660882 46:0.14994901 47:-0.16156676 48:0.084025525 49:-0.046599038 50:0.031094465 51:0.063021466 52:0.037129652 53:-0.086593822 54:-0.057121594 55:0.006405904 56:-0.0052837064 57:-0.014566134 58:0.03016793 59:-0.040633935 60:-0.0014767371 61:-0.073092438 62:-0.035074297 63:-0.050672945 64:-0.078871444 65:-0.027396075 66:-0.087323487 67:-0.039443281 68:0.0038563253 69:-0.033224653 70:0.01565117 71:0.004062959 72:0.00027864502 73:-0.064250752 74:-0.042209428 75:0.012480129 76:-0.024839332 77:-0.013282768 #
-0.01006585055889448 1:4.4806499 2:-2.2208855 3:0.44491947 4:-3.0921922 5:0.5878458 6:-1.1640482 7:-3.2640889 8:0.27608919 9:0.6426394 10:0.88536572 11:0.4722378 12:-0.011809029 13:-0.25834092 14:0.83084697 15:-0.22664343 16:-1.6788833 17:0.14575836 18:-0.44980958 19:-0.82005578 20:-0.72094989 21:0.085186571 22:0.26806298 23:0.10388365 24:-0.42588544 25:0.27968955 26:-0.029531002 27:-0.3223868 28:0.26774424 29:0.31059614 30:0.23642597 31:0.16814935 32:0.16386989 33:-0.32911339 34:-0.015648676 35:0.18989152 36:-0.23292686 37:0.17438453 38:0.011391879 39:0.12438626 40:0.22883828 41:-0.11513934 42:0.10112371 43:0.1651936 44:0.0035736097 45:-0.01895446 46:0.14545658 47:0.089143977 48:-0.032650169 49:0.026369104 50:-0.097380094 51:-0.066749953 52:-0.014551019 53:-0.021144031 54:-0.041757647 55:-0.0019819764 56:-0.023537653 57:-0.014566134 58:0.03016793 59:-0.040633935 60:-0.0014767371 61:-0.073092438 62:-0.035074297 63:-0.050672945 64:-0.078871444 65:-0.027396075 66:-0.087323487 67:-0.039443281 68:0.0038563253 69:-0.033224653 70:0.01565117 71:0.004062959 72:0.00027864502 73:-0.064250752 74:-0.042209428 75:0.012480129 76:-0.024839332 77:-0.013282768 #
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47:-0.033298701 48:-0.062168464 49:0.02362605 50:-0.072865129 51:-0.048128903
52:0.057814281 53:0.040432878 54:0.071615376 55:0.067603081 56:-0.054730605 57:-
0.014566134 58:0.03016793 59:-0.040633935 60:-0.0014767371 61:-0.073092438 62:-
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-0.014768605856240387 1:-1.0982398 2:-2.4368637 3:0.79138798 4:-0.19059795 5:2.4956129
6:0.59419161 7:-1.0538421 8:1.1098379 9:1.510326 10:0.025463993 11:0.47247869
12:0.54310888 13:-1.4702748 14:-0.032527249 15:0.55360329 16:-0.18030564 17:0.28367868
18:0.55749577 19:0.49138963 20:-0.29553726 21:-0.5870961 22:-0.37311175 23:0.18747084
24:0.041127604 25:0.21029881 26:-0.40718269 27:-0.25035253 28:0.22009574 29:0.055686142
30:-0.24643996 31:-0.12602903 32:0.085209414 33:-0.12572211 34:0.0016459211 35:-
0.095045388 36:0.048676528 37:-0.17387794 38:-0.1420448 39:0.11469521 40:0.031258076 41:-
0.011970902 42:-0.082991265 43:-0.083747424 44:0.026539017 45:-0.056411669
46:0.040468153 47:-0.01395872 48:-0.028325625 49:0.010746783 50:0.065619737
51:0.043784723 52:0.047854524 53:-0.0096203899 54:0.0006713288 55:-0.0027980302
56:0.0017356656 57:-0.014566134 58:0.03016793 59:-0.040633935 60:-0.0014767371 61:-
0.073092438 62:-0.035074297 63:-0.050672945 64:-0.078871444 65:-0.027396075 66:-
0.087323487 67:-0.039443281 68:0.0038563253 69:-0.033224653 70:0.01565117 71:0.004062959
72:0.00027864502 73:-0.064250752 74:-0.042209428 75:0.012480129 76:-0.024839332 77:-
0.013282768 #
-0.0053398794332080689 1:2.4800396 2:1.0886033 3:-4.1771445 4:1.1192465 5:0.56247091
6:1.2176269 7:2.7507098 8:-0.42160803 9:-1.1654049 10:-1.856112 11:2.0763941 12:2.1084695
13:0.059086759 14:-0.48607701 15:0.1853876 16:-0.46677867 17:0.65311015 18:-0.15493564
19:0.064726971 20:0.64843899 21:-0.17178282 22:0.13598746 23:-0.30330279 24:-0.3721984
25:-0.45937416 26:-0.28618789 27:-0.061018307 28:0.25755653 29:0.01015126 30:0.43489286
31:-0.23160291 32:0.26822332 33:-0.18198679 34:0.11317819 35:-0.018076936 36:-0.023457909
37:-0.055039685 38:0.051811643 39:-0.11251057 40:0.15998535 41:0.21557918 42:-0.16684479
43:-0.046091679 44:0.070016332 45:0.031692948 46:-0.013790468 47:0.089666605 48:-

0.04926759 49:-0.010420648 50:-0.12629215 51:-0.010580245 52:0.019162683 53:-0.032959752 54:0.038634114 55:-0.031798515 56:-0.0471939 57:-0.014566134 58:0.03016793 59:-0.040633935 60:-0.0014767371 61:-0.073092438 62:-0.035074297 63:-0.050672945 64:-0.078871444 65:-0.027396075 66:-0.087323487 67:-0.039443281 68:0.0038563253 69:-0.033224653 70:0.01565117 71:0.004062959 72:0.00027864502 73:-0.064250752 74:-0.042209428 75:0.012480129 76:-0.024839332 77:-0.013282768 #

Appendix D

Ovarian Cancer Training Dataset

	A	B	C	D	E	F	G	H
1	Label	CA270	CA260	14053	14522	13899	13878	13830
2	Sample Type	Control	Control	Early Malignant	Early Malignant	Early Malignant	Early Malignant	Early Malignant
3		0	0	2	2	2	2	2
4		1	1	-1	-1	-1	-1	-1
5	409.4/255.3>GPA:Lyso 16:0	8.674E-01	1.245E+00	2.306E+00	2.177E+00	2.530E+00	2.186E+00	2.248E+00
6	433.4/279.3>GPA:Lyso 18:2	4.753E-01	7.372E-01	5.912E-01	7.607E-01	7.672E-01	7.711E-01	5.883E-01
7	435.4/281.3>GPA:Lyso 18:1	1.663E-01	2.039E-01	2.307E-01	3.026E-01	3.519E-01	2.929E-01	3.541E-01
8	437.4/283.3>GPA:Lyso 18:0	8.314E-01	9.467E-01	2.947E+00	1.229E+00	1.146E+00	9.845E-01	1.152E+00
9	451.4/283.3>GPA:Lyso 18:0	2.403E-02	1.438E-02	1.631E-02	2.865E-02	3.723E-02	2.597E-02	2.060E-02
10	459.6/305.5>GPA:Lyso 20:3	1.298E-02	1.309E-02	9.785E-03	2.253E-02	1.073E-02	2.403E-02	1.964E-02
11	461.6/307.5>GPA:Lyso 20:2	6.470E-03	1.642E-02	9.785E-03	1.953E-02	1.577E-02	2.071E-02	2.060E-02
12	463.7/309.5>GPA:Lyso 20:1	1.016E-02	1.116E-02	6.524E-03	1.212E-02	1.427E-02	9.077E-03	8.552E-03
13	465.7/311.5>GPA:Lyso 20:0	1.016E-02	1.373E-02	2.736E-02	1.406E-02	1.148E-02	9.077E-03	1.513E-02
14	481.4/327.3>GPA:Lyso 22:6	3.691E-02	3.079E-02	4.174E-02	5.719E-02	5.944E-02	6.878E-02	4.936E-02
15	483.4/329.3>GPA:Lyso 22:5	9.238E-03	5.891E-03	3.916E-03	6.084E-03	9.303E-03	9.077E-03	9.560E-03
16	641.8/251.3>GPA:16:1/16:2	1.845E-03	1.309E-03	0.000E+00	1.824E-03	2.146E-03	0.000E+00	5.032E-04
17	643.8/253.3>GPA:16:1/16:1	3.230E-02	2.361E-02	1.502E-02	1.459E-02	1.288E-02	1.298E-02	9.056E-03
18	645.8/255.3>GPA:16:1/16:0	1.234E-01	7.006E-02	5.869E-02	4.989E-02	5.011E-02	7.006E-02	4.281E-02
19	647.8/255.3>GPA:16:0/16:0	8.184E-01	4.260E-01	2.833E-01	2.629E-01	3.036E-01	2.650E-01	2.361E-01
20	667.8/279.3>GPA:34:4	1.845E-03	1.309E-03	0.000E+00	6.084E-04	7.157E-04	1.942E-03	5.032E-04
21	669.8/279.3>GPA:34:3	1.384E-02	1.706E-02	1.502E-02	1.642E-02	2.146E-02	1.685E-02	1.406E-02
22	669.8/281.3>GPA:34:4	0.000E+00	1.309E-03	3.916E-03	6.084E-04	3.584E-03	2.597E-03	1.513E-03
23	671.8/279.3>GPA:18:2/16:0	7.479E-02	6.223E-02	5.150E-02	4.936E-02	4.582E-02	4.796E-02	3.069E-02
24	673.8/281.3>GPA:18:1/16:0	2.688E+00	1.261E+00	5.032E-01	5.622E-01	5.762E-01	4.453E-01	2.854E-01
25	695.8/279.3>GPA:36:4	3.230E-02	2.425E-02	1.438E-02	2.189E-02	2.221E-02	1.685E-02	1.513E-02
26	695.8/303.3>GPA:36:4	8.133E-02	4.388E-02	2.414E-02	3.648E-02	3.155E-02	2.210E-02	2.114E-02
27	697.8/281.3>GPA:20:3/16:0	2.489E-02	1.373E-02	3.916E-03	9.742E-03	7.876E-03	1.363E-02	8.047E-03
28	697.8/305.3>GPA:18:1/18:2	8.680E-02	5.826E-02	3.391E-02	4.206E-02	3.863E-02	4.152E-02	2.822E-02
29	699.8/279.3>GPA:36:2	1.223E-01	1.002E-01	5.354E-02	5.966E-02	4.013E-02	5.515E-02	4.882E-02
30	699.8/281.3>GPA:36:2	1.982E+00	9.782E-01	4.109E-01	4.142E-01	4.464E-01	3.423E-01	2.736E-01
31	701.8/283.3>GPA:36:1	6.106E+00	2.466E+00	9.042E-01	7.843E-01	9.671E-01	6.513E-01	3.573E-01
32	703.8/283.3>GPA:36:0	5.279E-01	2.843E-01	1.706E-01	1.234E-01	1.577E-01	9.206E-02	8.702E-02
33	721.8/255.3>GPA:18:1/20:4	7.758E-02	3.863E-02	2.800E-02	1.406E-02	2.511E-02	2.071E-02	1.363E-02
34	721.8/281.3>GPA:16:0/22:5	3.487E-01	3.852E-01	7.914E-01	5.032E-01	6.642E-01	6.545E-01	6.376E-01
35	723.8/283.3>GPA:18:0/20:4	9.053E-01	4.227E-01	2.124E-01	2.017E-01	2.929E-01	1.738E-01	1.277E-01
36	725.8/305.3>GPA:20:3/18:0	4.893E-02	3.015E-02	1.170E-02	1.524E-02	1.212E-02	1.298E-02	1.212E-02
37	729.8/281.3>GPA:38:1	1.931E-01	8.712E-02	4.828E-02	3.165E-02	3.648E-02	4.024E-02	3.069E-02
38	731.8/283.3>GPA:38:0	1.491E-01	8.777E-02	6.524E-02	4.442E-02	4.936E-02	3.959E-02	3.423E-02
39	751.8/303.3>GPA:40:4	8.401E-02	1.760E-01	6.921E-02	6.695E-02	7.296E-02	1.057E-01	8.251E-02
40	757.8/281.3>GPA:40:1	7.167E-01	4.474E-01	1.921E-01	2.221E-01	2.747E-01	2.275E-01	1.545E-01
41	759.8/283.3>GPA:40:0	3.552E-01	1.953E-01	8.809E-02	8.337E-02	1.266E-01	9.861E-02	6.588E-02

	A	B	C	D	E	F	G	H
42	777.8/329.3>GPA:42:5	2.768E-03	6.545E-04	6.524E-04	2.436E-03	2.146E-03	1.298E-03	1.513E-03
43	481.4/253.3>GPGro:Lyso 16:1	5.761E-03	6.584E-03	1.250E-02	1.371E-02	1.322E-02	1.150E-02	1.507E-02
44	483.4/255.3>GPGro:Lyso 16:0	1.842E-01	2.492E-01	7.198E-01	3.548E-01	4.242E-01	3.824E-01	3.545E-01
45	507.4/279.3>GPGro:Lyso 18:2	1.242E-01	1.445E-01	2.144E-01	1.332E-01	1.553E-01	1.330E-01	1.186E-01
46	509.4/281.3>GPGro:Lyso 18:1	8.179E-02	9.979E-02	1.995E-01	1.433E-01	1.466E-01	1.263E-01	1.367E-01
47	511.4/283.3>GPGro:Lyso 18:0	1.520E-01	1.674E-01	4.824E-01	2.281E-01	2.812E-01	2.489E-01	2.560E-01
48	531.4/303.3>GPGro:Lyso 20:4	1.551E-02	2.464E-02	4.964E-02	3.446E-02	3.626E-02	3.266E-02	4.295E-02
49	555.4/327.3>GPGro:Lyso 22:6	5.761E-03	1.021E-02	1.813E-02	1.561E-02	1.337E-02	1.633E-02	1.049E-02
50	557.4/329.3>GPGro:Lyso 22:5	1.551E-03	5.015E-03	6.404E-03	3.215E-03	2.752E-03	3.575E-03	4.089E-03
51	717.8/253.3>GPGro:16:1/16:1	6.301E-02	1.281E-01	1.499E-01	1.919E-01	2.524E-01	1.946E-01	3.746E-01
52	719.8/253.3>GPGro:16:1/16:0	1.993E-03	1.098E-03	3.292E-03	3.935E-03	4.115E-03	5.761E-03	6.276E-03
53	721.8/255.3>GPGro:16:0/16:0	5.478E-02	6.584E-02	1.142E-01	6.970E-02	9.388E-02	8.513E-02	8.076E-02
54	743.8/279.3>GPGro:18:2/16:1	4.678E+00	5.371E+00	4.324E+00	4.822E+00	4.561E+00	4.698E+00	3.259E+00
55	743.8/281.3>GPGro:18:1/16:2	4.384E-01	5.447E-01	5.997E-01	6.149E-01	6.723E-01	6.051E-01	8.006E-01
56	745.8/279.3>GPGro:18:2/16:0	1.481E-01	1.759E-01	1.578E-01	1.579E-01	1.451E-01	1.533E-01	1.091E-01
57	745.8/281.3>GPGro:18:1/16:1	2.533E+00	3.438E+00	3.912E+00	4.283E+00	4.623E+00	3.757E+00	5.070E+00
58	747.8/255.2>GPGro:16:0/18:1	3.112E-02	3.832E-02	6.121E-02	5.555E-02	4.578E-02	4.141E-02	4.861E-02
59	747.8/281.1>GPGro:16:0/18:1	1.700E-01	1.219E-01	8.462E-02	9.259E-02	9.876E-02	7.922E-02	9.208E-02
60	749.8/283.3>GPGro:18:0/16:0	3.575E-02	2.752E-02	5.170E-02	3.395E-02	4.347E-02	3.729E-02	3.961E-02
61	767.8/303.3>GPGro:20:4/16:1	5.538E-01	1.110E+00	9.136E-01	1.343E+00	1.158E+00	1.538E+00	1.549E+00
62	769.8/279.3>GPGro:18:2/18:2	5.476E-01	6.074E-01	3.214E-01	3.420E-01	2.948E-01	3.865E-01	2.684E-01
63	769.8/303.3>GPGro:20:4/16:0	7.536E-03	1.083E-02	1.188E-02	1.371E-02	1.235E-02	1.415E-02	1.618E-02
64	771.8/279.3>GPGro:18:2/18:1	2.274E+00	2.583E+00	2.170E+00	2.503E+00	2.176E+00	2.542E+00	2.124E+00
65	773.8/279.3>GPGro:18:2/18:0	1.008E-01	1.116E-01	1.381E-01	1.165E-01	1.127E-01	1.111E-01	9.310E-02
66	773.8/281.3>GPGro:18:1/18:1	5.095E-01	5.736E-01	5.231E-01	6.346E-01	6.294E-01	6.019E-01	1.213E+00
67	775.8/281.3>GPGro:18:1/18:0	4.038E-02	5.298E-02	8.873E-02	6.250E-02	7.047E-02	6.353E-02	8.050E-02
68	777.8/283.3>GPGro:18:0/18:0	1.000E-01	1.163E-01	1.983E-01	1.355E-01	1.661E-01	1.602E-01	1.764E-01
69	795.8/303.3>GPGro:20:4/18:1	2.336E-01	4.285E-01	4.057E-01	6.525E-01	5.259E-01	6.836E-01	8.377E-01
70	797.8/303.3>GPGro:20:4/18:0	1.350E-02	2.752E-02	3.935E-02	2.958E-02	3.061E-02	3.446E-02	3.446E-02
71	821.8/327.3>GPGro:22:6/18:0	4.655E-03	7.073E-03	9.079E-03	7.587E-03	9.259E-03	8.230E-03	6.507E-03
72	823.8/329.3>GPGro:22:5/18:0	8.848E-04	2.196E-03	2.803E-03	3.935E-03	2.402E-03	1.553E-03	4.578E-03
73	494.4/407.4>Lyso GPSer:16:1	1.069E-02	2.754E-03	1.377E-03	3.205E-03	3.770E-03	2.043E-03	1.591E-03
74	496.4/409.4>Lyso GPSer:16:0	1.456E-02	7.573E-03	9.605E-03	6.400E-03	3.770E-03	4.097E-03	7.415E-03
75	522.4/435.4>Lyso GPSer:18:1	5.203E-01	3.634E-01	1.411E-01	1.580E-01	3.160E-01	1.174E-01	7.619E-02
76	524.4/437.4>Lyso GPSer:18:0	4.018E-01	2.427E-01	1.524E-01	1.354E-01	3.093E-01	8.804E-02	5.135E-02
77	544.4/457.4>Lyso GPSer:20:4	1.456E-02	6.196E-03	2.743E-03	8.330E-03	2.032E-02	6.140E-03	8.995E-03
78	570.4/483.4>Lyso GPSer:22:5	0.000E+00	0.000E+00	0.000E+00	6.400E-04	7.528E-04	0.000E+00	5.293E-04
79	732.6/645.6>GPSer:32:1	1.941E-02	6.196E-03	6.174E-03	3.205E-03	3.014E-03	1.366E-03	5.824E-03
80	734.6/647.6>GPSer:32:0	7.777E-03	3.442E-03	0.000E+00	1.919E-03	3.014E-03	0.000E+00	2.122E-03
81	758.6/671.6>GPSer:34:2	2.912E-02	1.242E-02	1.230E-02	7.043E-03	1.433E-02	1.366E-02	1.059E-02
82	760.8/673.8>GPSer:34:1	1.377E-01	6.546E-02	2.607E-02	3.330E-02	2.257E-02	2.325E-02	8.465E-03

	A	B	C	D	E	F	G	H
83	762.8/675.7>GPSer:34:0	5.926E-02	2.754E-02	8.239E-03	6.400E-03	6.772E-03	3.409E-03	3.702E-03
84	782.6/695.7>GPSer:36:4	1.749E-02	1.102E-02	1.648E-02	5.767E-03	7.528E-03	1.433E-02	1.059E-02
85	784.8/697.8>GPSer:36:3	6.806E-03	2.065E-03	4.120E-03	3.205E-03	3.014E-03	2.731E-03	4.233E-03
86	786.8/699.8>GPSer:36:2	5.068E-01	2.291E-01	8.510E-02	6.084E-02	6.479E-02	4.707E-02	2.381E-02
87	788.8/701.8>GPSer:36:1	3.630E+00	1.537E+00	5.293E-01	4.052E-01	4.842E-01	2.698E-01	1.479E-01
88	790.8/703.8>GPSer:36:0	5.440E-01	2.144E-01	6.862E-02	5.576E-02	7.449E-02	4.300E-02	2.483E-02
89	808.6/721.6>GPSer:38:6	9.041E-02	4.819E-02	2.540E-02	1.219E-02	3.318E-02	6.140E-03	6.354E-03
90	810.8/723.8>GPSer:38:5	3.544E-01	1.321E-01	7.201E-02	6.275E-02	1.490E-01	4.233E-02	1.321E-02
91	812.8/725.8>GPSer:38:4	1.050E-01	4.481E-02	2.472E-02	2.246E-02	3.770E-02	1.366E-02	1.163E-02
92	814.6/727.6>GPSer:38:3	9.814E-01	4.007E-01	1.309E-01	9.989E-02	1.264E-01	9.752E-02	3.544E-02
93	816.8/729.8>GPSer:38:2	2.465E+00	1.092E+00	3.262E-01	2.946E-01	3.228E-01	1.851E-01	1.037E-01
94	818.8/731.8>GPSer:38:1	3.352E-01	1.400E-01	4.391E-02	4.289E-02	5.045E-02	2.111E-02	1.479E-02
95	834.8/747.8>GPSer:40:6	5.734E-01	2.427E-01	7.686E-02	6.591E-02	6.998E-02	5.248E-02	3.126E-02
96	836.8/749.8>GPSer:40:5	1.242E-01	4.334E-02	1.648E-02	1.862E-02	1.580E-02	1.298E-02	8.465E-03
97	838.8/751.8>GPSer:40:4	1.907E-01	9.707E-02	3.296E-02	2.370E-02	3.318E-02	1.772E-02	1.059E-02
98	840.6/753.7>GPSer:40:3	1.716E-01	9.233E-02	2.743E-02	2.630E-02	3.014E-02	2.460E-02	1.219E-02
99	778.9/97>Sulfatide:16:0	5.494E-02	9.430E-02	1.051E-01	9.528E-02	9.001E-02	5.861E-02	6.965E-02
100	806.9/97>Sulfatide:18:0	3.801E-02	3.139E-02	3.127E-02	1.950E-02	3.850E-02	3.188E-02	2.305E-02
101	822.9/97>Sulfatide:18:0 (OH)	1.150E-01	1.692E-01	1.521E-01	1.557E-01	1.803E-01	1.680E-01	1.373E-01
102	834.9/97>Sulfatide:20:0	3.703E-01	3.544E-01	5.408E-01	3.568E-01	3.998E-01	4.255E-01	3.397E-01
103	850.9/97>Sulfatide:20:0 (OH)	1.557E-01	1.913E-01	1.987E-01	2.085E-01	2.918E-01	2.318E-01	1.594E-01
104	862.9/97>Sulfatide:22:1	1.225E-01	1.692E-01	2.109E-01	1.471E-01	1.643E-01	1.692E-01	1.680E-01
105	878.9/97>Sulfatide: 22:1 (OH)	4.488E-01	5.543E-01	6.818E-01	5.383E-01	6.818E-01	6.683E-01	6.062E-01
106	888.9/97>Sulfatide:24:1	1.003E-01	1.115E-01	1.803E-01	1.197E-01	1.410E-01	1.300E-01	1.324E-01
107	890.9/97>Sulfatide:24:0	1.182E-01	1.275E-01	1.447E-01	9.601E-02	9.577E-02	9.712E-02	8.633E-02
108	906.7/97>Sulfatide:24:0 (OH)	1.172E-01	1.300E-01	1.606E-01	1.570E-01	1.680E-01	1.888E-01	1.754E-01
109	1147/281.3>CardioliGPInsn:52:3	6.340E-03	1.197E-02	6.708E-03	4.169E-03	1.145E-02	8.155E-03	1.035E-02
110	1376/281.3>CardioliGPInsn:66:2	3.593E-02	3.887E-02	2.980E-02	2.293E-02	2.698E-02	3.850E-02	4.083E-02
111	1400/281.3>CardioliGPInsn:68:4	2.109E-02	2.771E-02	1.643E-02	2.367E-02	2.869E-02	2.526E-02	2.882E-02
112	1402/281.3>CardioliGPInsn:68:3	1.484E-02	1.422E-02	9.687E-03	1.251E-02	1.557E-02	2.146E-02	2.882E-02
113	1404/281.3>CardioliGPInsn:68:2	6.340E-03	2.244E-03	8.204E-03	7.652E-03	6.548E-03	5.935E-03	1.035E-02
114	1406/281.3>CardioliGPInsn:68:1	6.340E-03	5.984E-03	8.952E-03	4.169E-03	4.096E-03	5.935E-03	2.882E-03
115	1426/281.3>CardioliGPInsn:70:5	6.340E-03	1.122E-02	9.687E-03	1.251E-02	1.386E-02	1.337E-02	2.526E-02
116	1428/281.3>CardioliGPInsn:70:4	2.109E-03	8.976E-03	2.232E-03	3.483E-03	1.063E-02	6.671E-03	5.751E-03
117	1430/281.3>CardioliGPInsn:70:3	1.056E-02	1.876E-02	8.952E-03	1.950E-02	1.226E-02	1.337E-02	2.354E-02
118	1432/281.3>CardioliGPInsn:70:2	8.449E-03	8.228E-03	1.118E-02	1.251E-02	1.145E-02	9.638E-03	1.150E-02
119	1434/281.3>CardioliGPInsn:70:1	2.845E-02	6.732E-03	1.193E-02	9.736E-03	1.717E-02	1.037E-02	1.093E-02
120	1436/281.3>CardioliGPInsn:70:0	1.484E-02	7.480E-03	1.118E-02	9.736E-03	1.386E-02	5.935E-03	1.839E-02
121	436.6/196.1>Lyso GPEtn:Lyso16:1e/16:0p	1.585E-01	4.212E-02	4.203E-02	4.354E-03	6.144E-02	3.713E-02	1.799E-02
122	450.4/196.1>Lyso GPEtn:Lyso 16:1	1.656E-01	6.554E-02	1.077E-01	1.434E-01	1.745E-01	1.069E-01	2.992E-01
123	452.4/196.1>Lyso GPEtn:Lyso 16:0	2.520E+00	2.458E+00	1.585E+00	3.749E+00	5.191E+00	3.980E+00	3.482E+00

	A	B	C	D	E	F	G	H
124	462.4/196.1>Lyso GPEtn:Lyso18:2e/18:1p	9.261E-02	2.814E-02	3.268E-02	3.045E-02	3.589E-02	2.787E-02	3.598E-02
125	464.5/196.1>Lyso GPEtn:Lyso18:1e/18:0p	8.593E-02	4.684E-02	8.869E-02	2.618E-02	3.072E-02	4.176E-02	3.598E-02
126	476.6/196.1>Lyso GPEtn:Lyso18:2a	1.184E+00	1.069E+00	4.853E-01	6.189E-01	5.637E-01	6.447E-01	7.631E-01
127	478.4/196.1>Lyso GPEtn:Lyso 18:1	3.286E+00	2.226E+00	1.211E+00	1.808E+00	1.665E+00	1.719E+00	2.128E+00
128	480.4/196.1>Lyso GPEtn:Lyso 18:0	2.146E+00	1.647E+00	1.309E+00	3.491E+00	3.989E+00	3.624E+00	3.651E+00
129	492.5/196.1>Lyso GPEtn:Lyso20:1e/20:0p	2.048E-01	3.277E-02	5.138E-02	6.972E-02	8.192E-02	6.963E-02	3.241E-02
130	500.4/196.1>Lyso GPEtn:Lyso 20:4	8.149E+00	8.113E+00	6.264E+00	8.917E+00	5.939E+00	8.579E+00	1.019E+01
131	524.4/196.1>Lyso GPEtn:Lyso 22:6	4.844E+00	6.886E+00	3.366E+00	7.911E+00	6.082E+00	7.447E+00	5.739E+00
132	688.6/196.1>GPEtn:16:0/16:1	3.963E-02	2.342E-02	9.350E-02	4.354E-02	3.589E-02	2.787E-02	4.684E-02
133	690.7/196.1>GPEtn 16:0/16:0	3.963E-02	1.407E-02	2.333E-02	8.709E-03	5.637E-02	2.324E-02	1.077E-02
134	698.6/196.1>GPEtn:34:2p, 34:3e	0.000E+00	1.407E-02	2.805E-02	1.309E-02	1.541E-02	0.000E+00	1.077E-02
135	700.6/196.1>GPEtn:34:1p, 34:2e	3.963E-02	1.407E-02	1.398E-02	4.354E-03	5.120E-03	4.639E-03	7.204E-03
136	702.6/196.1>GPEtn:34:0p, 34:1e	6.607E-03	1.870E-02	1.870E-02	1.309E-02	2.048E-02	1.852E-02	1.443E-02
137	710.8/196.1>GPEtn:18:1/16:1	1.318E-01	9.350E-02	7.934E-02	5.663E-02	5.120E-02	5.565E-02	2.164E-02
138	712.8/196.1>GPEtn:18:2/16:1	1.318E-01	2.814E-02	3.731E-02	4.791E-02	3.589E-02	1.389E-02	3.598E-02
139	714.7/196.1>GPEtn:18:1/16:1	6.411E-01	4.452E-01	9.795E-02	3.134E-01	3.072E-01	3.669E-01	2.199E-01
140	716.7/196.1>GPEtn:18:1/16:0	2.378E-01	1.594E-01	6.999E-02	1.915E-01	1.745E-01	1.113E-01	1.514E-01
141	718.6/196.1>GPEtn:18:0/16:0	9.884E-02	7.961E-02	5.138E-02	6.972E-02	8.709E-02	1.389E-02	6.483E-02
142	722.6/196.1>GPEtn:36:4p	4.630E-02	1.407E-02	9.350E-03	2.182E-02	5.120E-03	4.639E-03	1.799E-02
143	724.6/196.1>GPEtn:36:3p, 36:4e	0.000E+00	1.407E-02	1.398E-02	0.000E+00	2.048E-02	2.787E-02	2.164E-02
144	726.6/196.1>GPEtn:36:2p, 36:3e	2.645E-02	5.619E-02	5.601E-02	2.182E-02	4.613E-02	3.250E-02	1.799E-02
145	728.6/196.1>GPEtn:36:1p, 36:2e	3.304E-02	4.212E-02	3.731E-02	2.182E-02	3.589E-02	3.250E-02	2.164E-02
146	738.8/196.1>GPEtn:20:4/16:0	2.110E-01	1.736E-01	7.471E-02	2.306E-01	2.814E-01	2.413E-01	2.805E-01
147	740.8/196.1>GPEtn:18:2/18:1	4.292E-01	2.297E-01	4.666E-02	1.086E-01	7.685E-02	2.039E-01	1.443E-01
148	742.8/196.1>GPEtn:18:1/18:1	8.130E-01	5.993E-01	1.630E-01	4.969E-01	4.862E-01	5.476E-01	5.004E-01
149	744.6/196.1>GPEtn:18:0/18:1	1.656E-01	9.350E-02	5.601E-02	1.656E-01	7.168E-02	1.113E-01	1.336E-01
150	746.8/196.1>GPEtn:18:0/18:0	4.363E-01	1.077E-01	2.333E-02	2.182E-02	3.072E-02	3.250E-02	4.319E-02
151	748.6/196.1>GPEtn:38:5p, 38:6e	7.266E-02	1.407E-02	2.805E-02	3.045E-02	2.565E-02	2.324E-02	2.164E-02
152	750.6/196.1>GPEtn:38:4p, 38:5e	3.304E-02	1.407E-02	4.666E-02	2.618E-02	5.637E-02	1.389E-02	3.598E-02
153	752.6/196.1>GPEtn:38:3p, 38:4e	2.645E-02	1.407E-02	2.333E-02	1.309E-02	2.565E-02	2.324E-02	2.876E-02
154	754.6/196.1>GPEtn:38:2p, 38:3e	5.948E-02	9.350E-03	4.666E-03	2.618E-02	1.024E-02	1.389E-02	2.164E-02
155	756.6/196.1>GPEtn:38:1p, 38:2e	5.289E-02	4.684E-03	3.268E-02	8.709E-03	3.589E-02	4.176E-02	7.204E-03
156	762.8/196.1>GPEtn:20:4/18:2	1.193E-01	2.297E-01	1.585E-01	5.619E-01	5.735E-01	5.752E-01	4.034E-01
157	764.8/196.1>GPEtn:20:4/18:1	1.256E-01	1.549E-01	6.536E-02	1.434E-01	1.843E-01	1.852E-01	2.199E-01
158	766.8/196.1>GPEtn:20:4/18:0	2.048E-01	3.045E-01	2.289E-01	5.574E-01	4.452E-01	4.782E-01	5.183E-01
159	768.8/196.1>GPEtn:20:3/18:0	2.244E-01	1.077E-01	6.999E-02	1.745E-01	1.175E-01	1.763E-01	1.941E-01
160	770.6/196.1>GPEtn:20:2/18:0	4.630E-02	4.212E-02	2.333E-02	3.045E-02	1.541E-02	3.250E-02	2.876E-02
161	772.6/196.1>GPEtn:20:1/18:0	5.289E-02	5.156E-02	3.731E-02	3.045E-02	3.589E-02	5.102E-02	2.520E-02
162	776.6/196.1>GPEtn:40:5p, 40:6e	5.289E-02	4.212E-02	1.398E-02	3.045E-02	1.024E-02	4.176E-02	3.598E-02
163	778.6/196.1>GPEtn:40:4p, 40:5e	6.607E-03	2.342E-02	2.333E-02	3.482E-02	2.048E-02	2.787E-02	2.164E-02
164	780.6/196.1>GPEtn:40:3p, 40:4e	1.318E-02	9.350E-03	2.333E-02	1.745E-02	2.565E-02	1.852E-02	2.520E-02

	A	B	C	D	E	F	G	H
165	784.6/196.1>GPEtn:40:1p, 40:2e	3.963E-02	9.350E-03	3.268E-02	3.482E-02	5.637E-02	1.389E-02	3.598E-02
166	788.8/196.1>GPEtn:22:4/18:3	1.585E-01	6.554E-02	2.805E-02	6.100E-02	8.192E-02	6.963E-02	7.925E-02
167	790.8/196.1>GPEtn:22:4/18:2	1.122E-01	1.594E-01	6.999E-02	4.141E-01	4.559E-01	3.571E-01	3.099E-01
168	792.6/196.1>GPEtn:40:5a	7.934E-02	7.498E-02	7.471E-02	1.523E-01	1.487E-01	2.271E-01	1.585E-01
169	794.6/196.1>GPEtn:40:4a	1.986E-02	7.026E-02	2.805E-02	1.745E-02	5.120E-02	5.102E-02	7.560E-02
170	796.8/196.1>GPEtn:40:3a	1.986E-02	2.814E-02	2.805E-02	3.482E-02	4.613E-02	8.353E-02	6.118E-02
171	798.6/196.1>GPEtn:40:2a	5.289E-02	4.684E-02	1.870E-02	6.100E-02	3.589E-02	4.639E-02	5.761E-02
172	569.4/241.1>GPIns:Lyso 16:1	6.009E-02	8.841E-02	8.547E-02	8.817E-02	1.030E-01	8.694E-02	1.692E-01
173	571.3/241.1>GPIns:Lyso 16:0	2.063E+00	1.874E+00	2.765E+00	2.071E+00	2.454E+00	2.371E+00	2.407E+00
174	595.4/241.1>GPIns:Lyso 18:2	2.773E+00	2.914E+00	4.544E+00	3.267E+00	3.831E+00	3.574E+00	2.938E+00
175	597.4/241.1>GPIns:Lyso 18:1	1.208E+00	1.068E+00	1.078E+00	8.338E-01	8.706E-01	9.725E-01	1.093E+00
176	599.4/241.1>GPIns:Lyso 18:0	2.202E+00	1.811E+00	3.039E+00	2.755E+00	2.784E+00	3.136E+00	3.399E+00
177	619.5/241.1>GPIns:Lyso 20:4	5.690E-01	6.646E-01	1.177E+00	1.311E+00	1.095E+00	1.298E+00	1.568E+00
178	621.5/241.1>GPIns:Lyso 20:3	1.606E-01	1.790E-01	2.624E-01	3.483E-01	1.484E-01	3.090E-01	3.532E-01
179	623.5/241.1>GPIns:Lyso 20:2	2.906E-02	2.771E-02	3.090E-02	4.022E-02	1.766E-02	3.262E-02	3.814E-02
180	625.5/241.1>GPIns:Lyso 20:1	2.636E-02	1.803E-02	2.440E-02	1.864E-02	1.839E-02	1.275E-02	2.036E-02
181	627.5/241.1>GPIns:Lyso 20:0	2.820E-02	8.387E-03	1.741E-02	1.557E-02	1.058E-02	1.471E-02	1.337E-02
182	679.5/241.1>GPIns:Lyso 24:2	3.728E-02	4.966E-02	8.093E-02	5.874E-02	5.788E-02	7.161E-02	5.898E-02
183	835.7/241.1>GPIns:34:1	1.187E+00	1.229E+00	1.302E+00	1.007E+00	8.964E-01	1.183E+00	1.182E+00
184	857.7/241.1>GPIns:36:4	9.392E-01	9.179E-01	1.495E+00	1.028E+00	1.081E+00	1.213E+00	1.287E+00
185	859.8/241.1>GPIns:36:3	8.204E-01	7.909E-01	1.076E+00	7.296E-01	7.210E-01	8.907E-01	7.983E-01
186	861.8/241.1>GPIns:36:2	1.557E+00	1.822E+00	2.038E+00	1.482E+00	1.422E+00	1.623E+00	1.458E+00
187	863.7/241.1>GPIns:36:1	6.254E-01	6.131E-01	4.758E-01	4.255E-01	3.164E-01	4.598E-01	5.285E-01
188	865.8/241.1>GPIns:36:0	6.376E-02	5.874E-02	5.334E-02	4.378E-02	3.029E-02	4.856E-02	5.555E-02
189	873.8/241.1>GPIns:37:3	1.815E-02	1.349E-02	7.713E-03	7.799E-03	4.942E-03	9.589E-03	2.379E-02
190	883.8/241.1>GPIns:38:5	1.643E-01	1.373E-01	2.636E-01	1.668E-01	1.422E-01	1.962E-01	2.882E-01
191	885.8/241.1>GPIns:38:4	9.692E-01	1.189E+00	1.991E+00	2.253E+00	1.613E+00	2.380E+00	2.323E+00
192	887.8/241.1>GPIns:38:3	3.519E-01	4.047E-01	6.217E-01	7.259E-01	3.605E-01	7.811E-01	7.388E-01
193	889.8/241.1>GPIns:38:2	7.186E-02	7.223E-02	9.712E-02	8.633E-02	4.022E-02	8.375E-02	7.787E-02
194	891.8/241.1>GPIns:38:1	6.916E-02	5.481E-02	8.608E-02	6.536E-02	5.641E-02	8.559E-02	7.382E-02
195	893.8/241.1>GPIns:38:0	2.452E-02	2.710E-02	5.273E-02	2.403E-02	3.875E-02	3.961E-02	3.127E-02
196	909.8/241.1>GPIns:40:6	8.645E-02	1.803E-01	1.150E-01	1.643E-01	1.015E-01	2.293E-01	1.496E-01
197	911.8/241.1>GPIns:40:5	7.639E-02	9.614E-02	8.289E-02	1.188E-01	5.996E-02	1.275E-01	1.135E-01
198	913.8/241.1>GPIns:40:4	4.181E-02	4.390E-02	5.273E-02	6.180E-02	4.513E-02	7.603E-02	8.081E-02
199	915.8/241.1>GPIns:40:3	8.559E-02	5.616E-02	9.957E-02	1.062E-01	7.406E-02	1.035E-01	1.435E-01
200	917.8/241.1>GPIns:40:2	7.002E-02	4.059E-02	6.426E-02	4.316E-02	3.666E-02	6.585E-02	5.898E-02
201	919.8/241.1>GPIns:40:1	2.452E-02	3.090E-02	5.910E-02	3.899E-02	3.250E-02	4.341E-02	2.882E-02
202	963.9/241.1>GPInsP: 38:5	1.361E-02	6.450E-03	9.638E-03	1.080E-02	1.058E-02	5.751E-03	1.987E-02
203	963.9/321.1>GPInsP: 38:5	1.815E-03	1.288E-03	1.288E-03	5.996E-04	1.410E-03	0.000E+00	0.000E+00
204	965.9/241.1>GPInsP: 38:4	2.551E-02	2.134E-02	1.410E-02	1.386E-02	1.766E-02	1.852E-02	1.288E-02
205	965.9/321.1>GPInsP: 38:4	6.376E-03	5.800E-03	1.288E-03	2.403E-03	6.352E-03	2.551E-03	4.954E-03

	A	B	C	D	E	F	G	H
206	967.9/241.1>GPInsP: 38:3	1.275E-02	1.161E-02	1.606E-02	1.386E-02	1.839E-02	2.367E-02	2.477E-02
207	967.9/321.1>GPInsP: 38:3	9.099E-03	4.513E-03	9.001E-03	3.605E-03	8.461E-03	2.551E-03	4.954E-03
208	1045.9/241.1>GPInsP2: 38:4	2.735E-03	3.225E-03	1.925E-03	1.803E-03	5.641E-03	5.113E-03	5.947E-03
209	1045.9/321.1>GPInsP2: 38:4	9.099E-04	6.450E-04	6.426E-04	5.996E-04	7.051E-04	1.275E-03	0.000E+00
210	1045.9/401.1>GPInsP2: 38:4	0.000E+00	6.450E-04	0.000E+00	5.996E-04	7.051E-04	1.275E-03	9.920E-04
211	1047.9/321.1>GPInsP2: 38:3	0.000E+00	6.450E-04	0.000E+00	0.000E+00	7.051E-04	6.389E-04	0.000E+00
212	1047.9/401.1>GPInsP2: 38:3	4.549E-03	1.288E-03	3.863E-03	2.403E-03	2.820E-03	2.551E-03	4.954E-04
213	1047.9/241.1>GPInsP2: 38:3	5.457E-03	2.575E-03	3.213E-03	3.004E-03	1.410E-03	3.838E-03	9.920E-04
214	1125.9/241.1>GPInsP3: 38:4	3.642E-03	6.450E-04	3.863E-03	3.605E-03	1.410E-03	1.275E-03	3.470E-03
215	1125.9/321.1>GPInsP3: 38:4	9.099E-04	6.450E-04	6.426E-04	0.000E+00	0.000E+00	1.275E-03	4.954E-04
216	1125.9/401.1>GPInsP3: 38:4	0.000E+00	6.450E-04	6.426E-04	5.996E-04	7.051E-04	6.389E-04	4.954E-04
217	1125.9/481.1>GPInsP3: 38:4	9.099E-04	4.513E-03	0.000E+00	1.199E-03	7.051E-04	1.275E-03	9.920E-04
218	835.7/281.1>GPIns:34:1	1.610E+00	1.473E+00	1.600E+00	1.145E+00	1.094E+00	1.352E+00	1.365E+00
219	821.8/241.1>GPIns: 34:1	1.459E-02	1.619E-02	1.668E-02	1.199E-02	1.410E-02	2.048E-02	1.435E-02
220	494.4/184.1>GPCho:Lyso 16:1	1.637E+00	1.703E+00	2.145E+00	2.183E+00	2.328E+00	2.365E+00	4.231E+00
221	496.4/184.1>GPCho:Lyso 16:0	6.935E+01	6.117E+01	7.010E+01	7.159E+01	7.049E+01	7.535E+01	8.480E+01
222	520.4/184.1>GPCho:Lyso 18:2	7.089E+01	6.294E+01	5.083E+01	5.043E+01	4.397E+01	4.836E+01	4.504E+01
223	522.4/184.1>GPCho:Lyso 18:1	3.542E+01	3.455E+01	3.527E+01	3.503E+01	3.609E+01	3.196E+01	5.131E+01
224	524.4/184.1>GPCho:Lyso 18:0	2.636E+01	2.047E+01	2.317E+01	2.611E+01	2.384E+01	2.860E+01	3.749E+01
225	544.4/184.1>GPCho:Lyso 20:4	1.171E+01	1.649E+01	1.425E+01	1.889E+01	1.462E+01	2.060E+01	2.700E+01
226	568.4/184.1>GPCho:Lyso 22:6	3.985E+00	6.327E+00	5.101E+00	9.473E+00	7.452E+00	1.110E+01	7.758E+00
227	570.4/184.1>GPCho:Lyso 22:5	1.755E+00	2.371E+00	1.968E+00	2.870E+00	2.297E+00	3.604E+00	3.824E+00
228	678.5/184.1>GPCho:28:0	6.446E-01	8.502E-01	3.663E-01	4.349E-01	4.204E-01	4.888E-01	6.332E-01
229	678.5/184.1>GPCho:28:0a	7.251E-01	8.916E-01	4.083E-01	4.966E-01	4.630E-01	5.025E-01	7.231E-01
230	704.6/184.1>GPCho:30:1a	3.547E+01	3.408E+01	3.749E+01	3.611E+01	4.684E+01	3.301E+01	2.863E+01
231	706.6/184.1>GPCho:30:0a	5.060E+00	6.037E+00	3.969E+00	4.691E+00	5.592E+00	4.431E+00	4.770E+00
232	718.6/184.1>GPCho:32:0p, 32:1e	2.057E+00	2.093E+00	2.080E+00	1.690E+00	2.234E+00	1.871E+00	1.647E+00
233	730.8/184.1>GPCho:32:2	4.775E+00	5.860E+00	5.187E+00	6.401E+00	7.162E+00	5.800E+00	5.423E+00
234	732.6/184.1>GPCho:32:1a	1.224E+01	1.564E+01	1.797E+01	2.066E+01	2.492E+01	1.841E+01	2.727E+01
235	734.6/184.1>GPCho:32:0a	1.032E+01	9.732E+00	1.222E+01	1.017E+01	1.321E+01	9.464E+00	1.216E+01
236	742.6/184.1>GPCho:34:2p, 34:3e	1.655E+00	1.300E+00	1.105E+00	6.719E-01	8.549E-01	7.639E-01	8.339E-01
237	744.6/184.1>GPCho:34:1p, 34:2e	7.633E+00	6.496E+00	4.729E+00	3.120E+00	3.330E+00	3.174E+00	3.393E+00
238	746.6/184.1>GPCho:34:0p, 34:1e	7.695E+00	7.676E+00	7.245E+00	6.091E+00	7.027E+00	5.433E+00	6.192E+00
239	748.6/184.1>GPCho:34:0e	1.537E+00	1.471E+00	1.508E+00	1.242E+00	1.511E+00	1.235E+00	1.352E+00
240	756.6/184.1>GPCho:34:3a	2.324E+01	1.234E+01	2.043E+01	1.178E+01	1.368E+01	1.259E+01	1.558E+01
241	758.7/184.1>GPCho:34:2a	2.747E+02	2.517E+02	2.336E+02	2.089E+02	1.871E+02	1.997E+02	1.717E+02
242	760.6/184.1>GPCho:34:1a	1.482E+02	1.530E+02	1.847E+02	1.670E+02	1.625E+02	1.437E+02	2.027E+02
243	762.6/184.1>GPCho:34:0a	1.278E+01	1.331E+01	1.734E+01	1.603E+01	1.550E+01	1.317E+01	2.024E+01
244	768.6/184.1>GPCho:36:3p, 36:4e	9.594E+00	1.161E+01	1.016E+01	7.892E+00	9.177E+00	9.712E+00	9.516E+00
245	770.6/184.1>GPCho:36:2p, 36:3e	6.159E+00	7.123E+00	5.546E+00	4.249E+00	4.292E+00	4.979E+00	4.544E+00
246	772.6/184.1>GPCho:36:1p, 36:2e	9.246E+00	7.952E+00	6.750E+00	5.097E+00	5.969E+00	6.174E+00	5.798E+00

	A	B	C	D	E	F	G	H
247	774.6/184.1>GPCho:36:0p, 36:1e	5.187E+00	4.651E+00	4.510E+00	4.152E+00	4.721E+00	4.952E+00	5.806E+00
248	782.6/184.1>GPCho:36:4a	5.884E+01	7.095E+01	6.151E+01	7.398E+01	5.602E+01	7.916E+01	9.253E+01
249	784.6/184.1>GPCho:36:3a	6.954E+01	7.521E+01	5.857E+01	6.318E+01	4.065E+01	7.808E+01	7.025E+01
250	786.6/184.1>GPCho:36:2a	1.364E+02	1.218E+02	1.104E+02	1.082E+02	8.781E+01	1.068E+02	1.038E+02
251	788.6/184.1>GPCho:36:1a	5.339E+01	4.459E+01	4.651E+01	4.502E+01	4.290E+01	4.459E+01	6.435E+01
252	790.8/184.1>GPCho:36:0	3.832E+00	3.217E+00	3.449E+00	3.275E+00	3.267E+00	3.332E+00	5.077E+00
253	792.6/184.1>GPCho:38:5p, 38:6e	4.150E+00	4.758E+00	4.219E+00	3.532E+00	4.157E+00	4.200E+00	3.517E+00
254	794.6/184.1>GPCho:38:4p, 38:5e	7.640E+00	1.122E+01	8.661E+00	7.789E+00	8.656E+00	8.151E+00	7.386E+00
255	796.6/184.1>GPCho:38:3p, 38:4e	7.413E+00	1.032E+01	8.187E+00	7.319E+00	8.275E+00	8.166E+00	8.555E+00
256	798.6/184.1>GPCho:38:2p, 38:3e	3.456E+00	3.491E+00	2.957E+00	2.663E+00	2.976E+00	3.384E+00	3.159E+00
257	800.6/184.1>GPCho:38:1p, 38:2e	6.239E+00	4.742E+00	5.068E+00	4.613E+00	5.796E+00	5.802E+00	4.339E+00
258	808.6/184.1>GPCho:38:5a	1.496E+01	2.189E+01	1.862E+01	2.443E+01	1.739E+01	2.892E+01	3.065E+01
259	810.6/184.1>GPCho:38:4a	2.505E+01	3.364E+01	3.273E+01	4.190E+01	3.021E+01	4.506E+01	5.825E+01
260	812.6/184.1>GPCho:38:3a	3.101E+01	3.007E+01	3.216E+01	3.867E+01	3.253E+01	4.379E+01	4.277E+01
261	814.6/184.1>GPCho:38:2a	3.170E+01	3.196E+01	3.578E+01	3.750E+01	4.551E+01	3.630E+01	2.921E+01
262	816.6/184.1>GPCho:38:1a	1.221E+01	1.089E+01	1.191E+01	1.102E+01	1.190E+01	1.371E+01	1.034E+01
263	820.6/184.1>GPCho:40:5p, 40:6e	2.431E+00	3.493E+00	2.293E+00	2.542E+00	2.739E+00	3.170E+00	2.405E+00
264	822.6/184.1>GPCho:40:4p, 40:5e	2.872E+00	3.438E+00	2.321E+00	2.428E+00	2.729E+00	2.619E+00	2.491E+00
265	824.6/184.1>GPCho:40:3p, 40:4e	2.145E+00	2.647E+00	2.023E+00	1.866E+00	2.147E+00	1.901E+00	2.112E+00
266	826.6/184.1>GPCho:40:2p, 40:3e	2.850E+00	2.007E+00	2.104E+00	1.730E+00	2.171E+00	1.870E+00	1.985E+00
267	828.6/184.1>GPCho:40:1p, 40:2e	2.924E+00	2.002E+00	2.341E+00	1.809E+00	2.747E+00	2.291E+00	2.117E+00
268	834.6/184.1>GPCho:40:6a	5.741E+00	7.895E+00	7.872E+00	1.462E+01	9.955E+00	1.582E+01	1.352E+01
269	836.6/184.1>GPCho:40:5a	5.808E+00	5.656E+00	5.348E+00	8.493E+00	6.007E+00	9.381E+00	9.903E+00
270	838.6/184.1>GPCho:40:4a	3.021E+00	2.671E+00	2.685E+00	3.091E+00	2.426E+00	3.774E+00	5.285E+00
271	701.5/184.1>SM:18/16:1	1.225E+01	1.086E+01	1.285E+01	1.445E+01	1.751E+01	1.298E+01	1.079E+01
272	703.5/184.1>SM:18/16:0	8.425E+01	8.268E+01	9.324E+01	8.878E+01	1.158E+02	8.535E+01	7.009E+01
273	703.8/184.4>SM:d18:1/16:0	9.254E+01	9.360E+01	1.013E+02	9.756E+01	1.271E+02	9.568E+01	7.888E+01
274	705.8/184.4>SM: d18:0 / 16:0	1.376E+01	1.477E+01	1.406E+01	1.481E+01	2.039E+01	1.363E+01	1.150E+01
275	727.6/184.1>SM:18/18:2	7.082E-01	6.879E-01	7.392E-01	5.549E-01	8.334E-01	6.214E-01	5.383E-01
276	729.6/184.1>SM:18/18:1	6.941E+00	7.124E+00	9.445E+00	1.164E+01	1.376E+01	9.681E+00	8.876E+00
277	731.6/184.1>SM:18/18:0	1.618E+01	1.952E+01	2.428E+01	2.846E+01	3.778E+01	2.526E+01	2.323E+01
278	731.8/184.4>SM: d18:1 / 18:0	1.595E+01	1.936E+01	2.387E+01	2.833E+01	3.828E+01	2.548E+01	2.376E+01
279	733.8/184.4>SM: d18:0 / 18:0	4.217E+00	5.656E+00	6.553E+00	7.967E+00	1.086E+01	6.744E+00	1.046E+01
280	757.6/184.1>SM:18/20:1	7.651E+00	5.437E+00	7.778E+00	6.355E+00	6.890E+00	6.131E+00	5.948E+00
281	759.6/184.1>SM:18/20:0	1.243E+02	1.247E+02	1.123E+02	1.096E+02	9.381E+01	1.037E+02	8.415E+01
282	759.8/184.4>SM: d18:1 / 20:0	1.087E+02	1.107E+02	9.720E+01	9.749E+01	8.677E+01	9.201E+01	7.638E+01
283	761.8/184.4>SM: d18:0 / 20:0	4.142E+01	4.657E+01	5.688E+01	5.403E+01	5.074E+01	4.477E+01	6.800E+01
284	773.6/184.1>SM:18/21:0	6.759E+00	5.632E+00	5.200E+00	5.060E+00	5.647E+00	6.797E+00	5.645E+00
285	787.6/184.1>SM:18/22:0	7.878E+01	7.458E+01	6.946E+01	6.958E+01	6.394E+01	7.559E+01	6.905E+01
286	787.9/184.4>SM: d18:1 / 22:0	5.711E+01	6.028E+01	5.548E+01	5.569E+01	5.267E+01	6.203E+01	5.464E+01
287	789.9/184.4>SM: d18:0 / 22:0	9.387E+00	8.420E+00	8.592E+00	8.674E+00	8.277E+00	8.869E+00	1.371E+01

	A	B	C	D	E	F	G	H
288	813.6/184.1>SM:18/24:1	5.878E+01	6.382E+01	6.974E+01	7.419E+01	9.018E+01	7.462E+01	5.848E+01
289	813.9/184.4>SM: d18:1 / 24:1	4.760E+01	5.234E+01	5.969E+01	6.186E+01	7.977E+01	6.062E+01	4.485E+01
290	815.6/184.1>SM:18/24:0	1.824E+01	2.169E+01	2.128E+01	2.177E+01	2.471E+01	2.730E+01	1.842E+01
291	815.9/184.4>SM: d18:0 / 24:1	1.452E+01	1.837E+01	1.764E+01	1.757E+01	2.079E+01	2.240E+01	1.503E+01
292	817.9/184.4>SM: d18:0 / 24:0	2.223E+00	2.054E+00	2.247E+00	2.024E+00	2.084E+00	2.449E+00	1.976E+00
293	841.9/184.4>SM: d18:1 / 26:1	1.974E+00	1.274E+00	1.569E+00	1.439E+00	1.796E+00	1.587E+00	1.730E+00
294	843.9/184.4>SM: d18:0 / 26:1	1.828E+00	1.607E+00	1.846E+00	1.480E+00	1.358E+00	1.599E+00	1.422E+00
295	843.9/184.4>SM: d18:1 / 26:0	1.759E+00	1.638E+00	1.847E+00	1.456E+00	1.351E+00	1.619E+00	1.444E+00
296	845.9/184.4>SM: d18:0 / 26:0	9.804E-01	9.868E-01	1.470E+00	1.082E+00	1.056E+00	1.056E+00	1.265E+00
297	538.7/264.4>Cer: d18:1 / 16:0	4.073E-01	3.718E-01	5.463E-01	2.975E-01	4.902E-01	3.030E-01	2.753E-01
298	540.7/266.4>Cer: d18:0 / 16:0	2.617E-02	2.231E-02	2.117E-02	1.776E-02	2.617E-02	1.630E-02	1.223E-02
299	566.7/264.4>Cer: d18:1 / 18:0	8.731E-02	8.323E-02	1.418E-01	1.450E-01	2.395E-01	1.203E-01	1.304E-01
300	568.7/266.4>Cer: d18:0 / 18:0	7.594E-03	5.299E-03	5.942E-03	7.337E-03	1.667E-02	3.690E-03	9.224E-03
301	594.7/264.4>Cer: d18:1 / 20:0	7.830E-02	8.924E-02	9.589E-02	9.847E-02	1.409E-01	9.203E-02	8.752E-02
302	596.7/266.4>Cer: d18:0 / 20:0	2.130E-02	1.611E-02	2.617E-02	1.450E-02	1.667E-02	2.446E-02	3.432E-02
303	622.8/264.4>Cer: d18:1 / 22:0	3.087E-01	3.659E-01	3.494E-01	3.073E-01	3.771E-01	3.440E-01	3.715E-01
304	624.8/266.4>Cer: d18:0 / 22:0	5.256E-03	3.604E-03	9.031E-03	4.097E-03	5.277E-03	5.878E-03	6.929E-03
305	648.9/264.4>Cer: d18:1 / 24:1	5.051E-01	6.391E-01	6.048E-01	6.406E-01	8.047E-01	4.831E-01	5.284E-01
306	650.9/266.4>Cer: d18:0 / 24:1	3.883E-02	4.248E-02	3.861E-02	4.870E-02	6.114E-02	4.076E-02	4.226E-02
307	650.9/264.4>Cer: d18:1 / 24:0	2.401E+00	3.066E+00	1.838E+00	2.323E+00	1.964E+00	2.717E+00	2.316E+00
308	652.9/266.4>Cer: d18:0 / 24:0	3.583E-02	4.805E-02	3.025E-02	3.883E-02	3.883E-02	4.934E-02	4.183E-02
309	676.9/264.4>Cer: d18:1 / 26:1	5.835E-03	6.157E-03	7.380E-03	6.479E-03	9.546E-03	4.998E-03	7.380E-03
310	678.9/266.4>Cer: d18:0 / 26:1	6.715E-03	3.604E-03	2.853E-03	3.583E-03	3.647E-03	2.617E-03	3.926E-03
311	678.9/264.4>Cer: d18:1 / 26:0	2.042E-03	1.907E-03	1.903E-03	5.127E-04	8.130E-04	3.046E-03	1.154E-03
312	680.9/266.4>Cer: d18:0 / 26:0	1.459E-03	8.474E-04	1.665E-03	1.708E-04	8.130E-04	2.167E-04	4.612E-04
313	700.7/264.4>MonoHexCer: d18:1 / 16:0	2.466E-01	2.260E-01	1.926E-01	1.512E-01	3.350E-01	1.609E-01	1.336E-01
314	702.7/266.4>MonoHexCer: d18:0 / 16:0	1.781E-02	8.259E-03	7.144E-03	5.299E-03	1.321E-02	7.616E-03	7.616E-03
315	728.7/264.4>MonoHexCer: d18:1 / 18:0	4.762E-02	5.792E-02	2.917E-02	3.690E-02	5.942E-02	4.076E-02	3.583E-02
316	730.7/266.4>MonoHexCer: d18:0 / 18:0	4.076E-03	1.697E-03	1.188E-03	1.367E-03	2.231E-03	2.381E-03	2.317E-03
317	756.7/264.4>MonoHexCer: d18:1 / 20:0	4.955E-02	4.998E-02	2.338E-02	4.054E-02	5.384E-02	3.583E-02	2.939E-02
318	758.7/266.4>MonoHexCer: d18:0 / 20:0	1.459E-03	1.697E-03	3.089E-03	1.708E-03	2.853E-03	4.569E-03	2.317E-03
319	784.8/264.4>MonoHexCer: d18:1 / 22:0	3.011E-01	3.052E-01	1.944E-01	1.635E-01	3.145E-01	2.515E-01	1.851E-01
320	786.8/266.4>MonoHexCer: d18:0 / 22:0	8.752E-04	2.119E-04	7.144E-04	1.195E-03	1.017E-03	4.355E-04	9.224E-04
321	810.9/264.4>MonoHexCer: d18:1 / 24:1	3.286E-01	3.926E-01	2.059E-01	2.178E-01	4.791E-01	2.260E-01	1.429E-01
322	812.9/266.4>MonoHexCer: d18:0 / 24:1	8.752E-03	1.356E-02	8.323E-03	5.814E-03	1.300E-02	9.353E-03	5.084E-03
323	812.9/264.4>MonoHexCer: d18:1 / 24:0	3.478E-01	4.218E-01	2.205E-01	1.847E-01	3.190E-01	2.873E-01	2.102E-01
324	814.9/266.4>MonoHexCer: d18:0 / 24:0	1.489E-02	1.463E-02	7.380E-03	8.195E-03	8.731E-03	7.165E-03	6.929E-03
325	838.9/264.4>MonoHexCer: d18:1 / 26:1	2.252E-02	1.802E-02	1.474E-02	1.502E-02	1.686E-02	1.716E-02	7.851E-03
326	840.9/266.4>MonoHexCer: d18:0 / 26:1	1.459E-03	1.697E-03	1.903E-03	1.367E-03	1.422E-03	1.304E-03	2.531E-03
327	840.9/264.4>MonoHexCer: d18:1 / 26:0	2.446E-02	2.231E-02	1.427E-02	1.980E-02	2.531E-02	2.381E-02	2.077E-02
328	842.9/266.4>MonoHexCer: d18:0 / 26:0	1.167E-03	2.746E-03	2.381E-03	1.367E-03	2.446E-03	1.304E-03	2.767E-03

	A	B	C	D	E	F	G	H
329	862.7/264.4>DiHexCer: d18:1 / 16:0	4.488E-01	5.798E-01	4.963E-01	4.959E-01	8.273E-01	3.323E-01	3.357E-01
330	864.7/266.4>DiHexCer: d18:0 / 16:0	5.535E-03	7.422E-03	4.526E-03	4.441E-03	9.546E-03	6.307E-03	5.771E-03
331	890.7/264.4>DiHexCer: d18:1 / 18:0	3.540E-02	4.548E-02	3.561E-02	4.248E-02	6.715E-02	4.505E-02	4.677E-02
332	892.7/266.4>DiHexCer: d18:0 / 18:0	5.835E-04	1.272E-03	1.903E-03	5.127E-04	1.626E-03	8.688E-04	1.384E-03
333	918.7/264.4>DiHexCer: d18:1 / 20:0	3.025E-02	3.175E-02	2.360E-02	3.046E-02	4.870E-02	3.282E-02	3.604E-02
334	920.7/266.4>DiHexCer: d18:0 / 20:0	1.459E-03	8.474E-04	4.762E-04	8.538E-04	4.054E-04	2.167E-04	6.929E-04
335	946.8/264.4>DiHexCer: d18:1 / 22:0	5.942E-02	6.564E-02	4.891E-02	4.333E-02	7.380E-02	7.101E-02	5.792E-02
336	948.8/266.4>DiHexCer: d18:0 / 22:0	7.294E-03	3.604E-03	4.290E-03	3.754E-03	2.032E-03	4.119E-03	4.848E-03
337	972.9/264.4>DiHexCer: d18:1 / 24:1	1.030E-01	1.356E-01	1.167E-01	9.782E-02	1.920E-01	9.718E-02	7.465E-02
338	974.9/266.4>DiHexCer: d18:0 / 24:1	2.617E-03	2.338E-03	1.188E-03	1.536E-03	3.861E-03	8.688E-04	1.384E-03
339	974.9/264.4>DiHexCer: d18:1 / 24:0	5.277E-02	7.658E-02	5.191E-02	5.191E-02	7.916E-02	7.058E-02	5.234E-02
340	976.9/266.4>DiHexCer: d18:0 / 24:0	6.715E-03	2.960E-03	3.325E-03	2.724E-03	3.861E-03	3.046E-03	3.926E-03
341	1000.9/264.4>DiHexCer: d18:1 / 26:1	1.489E-02	1.146E-02	8.323E-03	7.680E-03	1.077E-02	6.950E-03	8.774E-03
342	1002.9/266.4>DiHexCer: d18:0 / 26:1	1.750E-03	8.474E-04	1.427E-03	8.538E-04	8.130E-04	8.688E-04	2.317E-03
343	1002.9/264.4>DiHexCer: d18:1 / 26:0	8.452E-03	8.903E-03	9.267E-03	9.396E-03	1.158E-02	1.238E-02	8.066E-03
344	1004.9/266.4>DiHexCer: d18:0 / 26:0	2.917E-04	4.248E-04	4.762E-04	0.000E+00	8.130E-04	2.167E-04	1.154E-03

	I	J	K	L	M	N	O	P	Q	R
1	**13819**	**13783**	**13666**	**CA259**	**CA269**	**13615**	**14660**	**13551**	**14649**	**14534**
2	**Early Malignant**	**Early Malignant**	**Early Malignant**	**Control**	**Control**	**Late Malignant**	**Early Malignant**	**Late Malignant**	**Early Malignant**	**Early Malignant**
3	2	2	2	0	0	3	2	3	2	2
4	-1	-1	-1	1	1	-1	-1	-1	-1	-1
5	2.212E+00	2.176E+00	2.169E+00	2.376E+00	2.438E+00	2.729E+00	2.085E+00	2.025E+00	1.523E+00	2.427E+00
6	5.086E-01	1.008E+00	5.451E-01	1.470E+00	1.212E+00	7.377E-01	4.163E-01	3.766E-01	7.271E-01	7.200E-01
7	2.339E-01	3.273E-01	1.878E-01	3.047E-01	4.775E-01	3.058E-01	1.717E-01	2.178E-01	2.886E-01	2.639E-01
8	1.456E+00	9.492E-01	2.945E+00	1.881E+00	1.373E+00	2.671E+00	2.868E+00	1.100E+00	1.111E+00	1.572E+00
9	1.856E-02	1.373E-02	2.328E-02	3.283E-02	2.350E-02	2.457E-02	2.361E-02	1.588E-02	1.395E-02	2.124E-02
10	1.005E-02	1.073E-02	7.489E-03	3.283E-02	3.444E-02	8.187E-03	3.380E-03	9.067E-03	3.262E-02	2.178E-02
11	1.084E-02	1.320E-02	1.127E-02	2.371E-02	2.350E-02	1.738E-02	3.380E-03	1.058E-02	1.545E-02	1.534E-02
12	1.005E-02	1.320E-02	1.727E-02	1.288E-02	1.127E-02	9.206E-03	1.148E-02	7.554E-03	8.552E-03	1.137E-02
13	1.320E-02	1.137E-02	3.820E-02	1.781E-02	7.833E-03	3.176E-02	3.509E-02	1.438E-02	7.489E-03	1.234E-02
14	4.174E-02	6.395E-02	3.820E-02	6.620E-02	6.094E-02	4.710E-02	4.056E-02	4.764E-02	3.906E-02	4.345E-02
15	9.281E-03	6.577E-03	5.998E-03	9.152E-03	8.273E-03	6.137E-03	2.704E-03	5.290E-03	4.807E-03	4.936E-03
16	0.000E+00	1.792E-03	2.994E-03	1.609E-03	4.356E-04	4.088E-03	0.000E+00	0.000E+00	1.070E-03	0.000E+00
17	1.781E-02	1.017E-02	5.998E-03	1.023E-02	6.094E-03	1.438E-02	6.749E-03	3.777E-03	8.015E-03	5.440E-03
18	5.569E-02	5.021E-02	6.073E-02	2.747E-02	3.745E-02	7.779E-02	4.657E-02	4.303E-02	5.397E-02	2.124E-02
19	1.685E-01	1.738E-01	1.064E-01	1.599E-01	1.813E-01	1.341E-01	1.116E-01	1.406E-01	1.005E-01	1.320E-01
20	0.000E+00	5.976E-04	1.502E-03	5.386E-04	1.738E-03	2.049E-03	1.352E-03	3.026E-03	5.343E-04	2.961E-03
21	2.318E-02	1.491E-02	1.953E-02	2.747E-02	2.350E-02	2.350E-02	1.212E-02	1.212E-02	3.101E-02	9.388E-03
22	1.545E-03	3.584E-03	1.502E-03	3.766E-03	2.178E-03	7.167E-03	2.704E-03	7.554E-03	2.672E-03	2.961E-03
23	5.032E-02	4.968E-02	3.970E-02	5.494E-02	5.708E-02	6.856E-02	3.509E-02	4.002E-02	4.807E-02	4.249E-02
24	2.758E-01	2.328E-01	1.245E-01	1.255E-01	1.481E-01	1.191E-01	1.159E-01	1.341E-01	1.116E-01	8.101E-02
25	2.704E-02	3.412E-02	1.277E-02	3.927E-02	4.657E-02	1.738E-02	1.888E-02	9.067E-03	3.155E-02	1.137E-02
26	1.706E-02	2.210E-02	1.049E-02	2.961E-02	1.738E-02	2.661E-02	1.888E-02	1.588E-02	1.395E-02	2.028E-02
27	4.646E-03	8.970E-03	2.253E-03	4.839E-03	1.045E-02	2.049E-03	4.732E-03	3.777E-03	6.953E-03	6.921E-03
28	4.099E-02	5.139E-02	2.618E-02	4.571E-02	5.923E-02	3.584E-02	3.648E-02	1.964E-02	3.262E-02	2.521E-02
29	4.796E-02	6.277E-02	3.895E-02	7.371E-02	6.309E-02	4.710E-02	3.036E-02	3.176E-02	4.388E-02	2.715E-02
30	2.264E-01	1.781E-01	9.442E-02	9.152E-02	1.459E-01	8.498E-02	1.116E-01	1.406E-01	1.000E-01	8.197E-02
31	3.712E-01	2.800E-01	1.266E-01	1.180E-01	2.167E-01	1.073E-01	1.363E-01	1.695E-01	1.016E-01	8.798E-02
32	9.742E-02	6.105E-02	8.541E-02	1.202E-01	8.015E-02	9.614E-02	9.721E-02	6.577E-02	3.530E-02	5.536E-02
33	1.234E-02	1.255E-02	5.998E-03	2.318E-02	1.781E-02	1.642E-02	9.453E-03	6.803E-03	9.624E-03	9.882E-03
34	8.879E-01	5.708E-01	1.035E+00	5.708E-01	5.333E-01	9.199E-01	8.625E-01	7.708E-01	4.742E-01	5.526E-01
35	1.044E-01	9.335E-02	8.315E-02	1.148E-01	1.395E-01	7.468E-02	1.105E-01	8.541E-02	8.069E-02	9.045E-02
36	6.191E-03	7.178E-03	5.247E-03	7.532E-03	1.395E-02	7.167E-03	4.732E-03	1.363E-02	1.070E-02	8.895E-03
37	2.865E-02	2.811E-02	1.502E-02	1.781E-02	1.695E-02	1.738E-02	1.148E-02	1.438E-02	1.599E-02	1.384E-02
38	3.948E-02	2.747E-02	4.195E-02	4.785E-02	3.219E-02	7.575E-02	3.852E-02	2.564E-02	2.189E-02	2.371E-02
39	4.560E-02	1.524E-01	4.721E-02	1.127E-01	6.577E-02	2.972E-02	5.805E-02	6.041E-02	5.558E-02	9.388E-02
40	2.833E-01	2.350E-01	1.255E-01	1.341E-01	1.341E-01	1.212E-01	2.114E-01	2.189E-01	1.427E-01	1.524E-01
41	8.047E-02	5.086E-02	3.970E-02	4.410E-02	3.959E-02	3.584E-02	3.648E-02	4.227E-02	3.798E-02	3.015E-02

	I	J	K	L	M	N	O	P	Q	R
42	3.090E-03	3.584E-03	8.991E-03	5.386E-04	8.712E-04	2.049E-03	1.352E-03	0.000E+00	1.070E-03	1.974E-03
43	1.000E-02	8.462E-03	1.921E-02	7.613E-03	1.211E-02	2.752E-02	1.343E-02	4.887E-03	6.147E-03	8.642E-03
44	5.564E-01	3.414E-01	7.768E-01	3.738E-01	3.128E-01	1.600E+00	4.246E-01	3.828E-01	2.264E-01	3.442E-01
45	1.669E-01	1.746E-01	2.573E-01	2.109E-01	1.637E-01	5.960E-01	1.116E-01	9.542E-02	1.340E-01	1.283E-01
46	1.669E-01	1.129E-01	2.465E-01	1.199E-01	1.416E-01	4.702E-01	1.453E-01	1.142E-01	9.876E-02	1.463E-01
47	3.882E-01	2.421E-01	5.767E-01	2.955E-01	2.235E-01	1.216E+00	3.299E-01	2.848E-01	2.009E-01	2.422E-01
48	2.392E-02	2.906E-02	4.604E-02	4.064E-02	3.369E-02	9.748E-02	2.299E-02	1.847E-02	2.320E-02	3.241E-02
49	1.206E-02	1.577E-02	1.438E-02	1.006E-02	1.181E-02	6.070E-02	1.116E-02	7.613E-03	6.661E-03	1.456E-02
50	2.225E-03	5.015E-03	5.221E-03	2.451E-03	4.269E-03	1.006E-02	3.241E-03	1.993E-03	4.861E-03	6.404E-03
51	1.484E-01	1.469E-01	1.314E-01	1.098E-01	2.779E-01	1.209E-01	2.281E-01	9.542E-02	1.557E-01	1.795E-01
52	1.854E-03	1.721E-03	7.896E-03	2.572E-03	5.015E-03	6.121E-03	4.707E-03	1.088E-03	3.086E-03	4.038E-03
53	1.209E-01	7.587E-02	1.417E-01	6.919E-02	7.227E-02	1.253E-01	1.245E-01	1.219E-01	7.664E-02	7.150E-02
54	4.541E+00	5.772E+00	3.197E+00	4.394E+00	4.505E+00	2.714E+00	3.958E+00	4.395E+00	4.231E+00	4.844E+00
55	5.525E-01	5.747E-01	4.687E-01	4.176E-01	6.597E-01	3.542E-01	5.977E-01	5.983E-01	4.779E-01	6.216E-01
56	1.577E-01	1.880E-01	1.420E-01	1.865E-01	1.516E-01	1.155E-01	1.422E-01	1.353E-01	1.503E-01	1.618E-01
57	3.369E+00	3.590E+00	3.117E+00	2.369E+00	4.050E+00	2.451E+00	3.954E+00	4.349E+00	3.237E+00	4.160E+00
58	5.324E-02	4.115E-02	1.011E-01	2.803E-02	5.710E-02	8.076E-02	6.481E-02	3.961E-02	3.626E-02	5.787E-02
59	7.664E-02	7.227E-02	5.041E-02	6.018E-02	8.513E-02	3.729E-02	7.587E-02	7.433E-02	5.710E-02	7.973E-02
60	5.453E-02	3.344E-02	6.430E-02	3.549E-02	3.163E-02	5.941E-02	5.710E-02	5.427E-02	3.729E-02	3.704E-02
61	6.916E-01	1.163E+00	7.112E-01	1.565E+00	1.026E+00	4.800E-01	8.062E-01	1.086E+00	1.229E+00	1.508E+00
62	4.798E-01	4.566E-01	4.073E-01	5.067E-01	4.282E-01	2.426E-01	2.846E-01	2.748E-01	4.911E-01	2.795E-01
63	1.093E-02	8.745E-03	1.957E-02	1.613E-02	1.034E-02	1.399E-02	1.036E-02	1.088E-02	1.255E-02	1.078E-02
64	3.098E+00	3.138E+00	2.026E+00	3.851E+00	3.109E+00	1.283E+00	2.340E+00	2.621E+00	3.703E+00	2.301E+00
65	1.361E-01	1.232E-01	1.934E-01	1.487E-01	1.485E-01	1.673E-01	1.103E-01	1.178E-01	1.363E-01	1.085E-01
66	6.899E-01	5.682E-01	6.789E-01	6.036E-01	1.161E+00	3.370E-01	6.544E-01	6.974E-01	1.102E+00	5.720E-01
67	8.719E-02	5.195E-02	1.489E-01	5.633E-02	9.362E-02	1.405E-01	9.362E-02	7.021E-02	6.430E-02	6.919E-02
68	2.981E-01	1.497E-01	3.455E-01	2.345E-01	1.806E-01	3.355E-01	2.757E-01	2.886E-01	2.394E-01	1.317E-01
69	4.147E-01	5.125E-01	3.776E-01	1.091E+00	5.640E-01	2.176E-01	4.151E-01	6.076E-01	9.569E-01	6.623E-01
70	3.858E-02	2.855E-02	5.170E-02	4.192E-02	3.086E-02	4.424E-02	3.035E-02	3.781E-02	4.295E-02	3.755E-02
71	4.810E-03	8.462E-03	9.156E-03	5.941E-03	6.250E-03	1.471E-02	9.053E-03	7.073E-03	4.604E-03	9.130E-03
72	2.040E-03	3.009E-03	1.618E-03	2.194E-03	2.598E-03	4.424E-03	1.618E-03	2.173E-03	3.344E-03	3.678E-03
73	8.138E-04	6.287E-04	3.149E-03	1.693E-03	9.165E-04	0.000E+00	1.422E-03	3.183E-03	1.682E-03	1.040E-03
74	6.512E-03	5.034E-03	5.519E-03	5.666E-03	8.239E-03	4.300E-03	1.275E-02	4.774E-03	3.375E-03	4.673E-03
75	7.562E-02	1.000E-01	6.072E-02	7.133E-02	1.648E-01	6.456E-02	9.312E-02	7.314E-02	6.016E-02	6.185E-02
76	9.842E-02	1.070E-01	1.104E-01	9.289E-02	2.551E-01	6.783E-02	2.404E-01	1.230E-01	9.447E-02	1.029E-01
77	1.625E-03	6.919E-03	5.519E-03	7.923E-03	2.246E-02	2.156E-03	5.688E-03	3.183E-03	7.314E-03	1.874E-02
78	2.438E-03	6.287E-04	0.000E+00	0.000E+00	4.582E-04	0.000E+00	7.099E-04	0.000E+00	0.000E+00	5.192E-04
79	5.700E-03	3.149E-03	7.878E-04	4.526E-03	2.291E-03	3.228E-03	2.844E-03	3.973E-03	2.810E-03	1.040E-03
80	3.251E-03	6.287E-04	0.000E+00	1.693E-03	1.828E-03	3.228E-03	2.133E-03	3.183E-03	5.621E-04	0.000E+00
81	1.058E-02	1.196E-02	1.104E-02	6.795E-03	1.008E-02	2.370E-02	4.977E-03	1.113E-02	6.185E-03	5.722E-03
82	8.138E-03	1.129E-02	1.580E-03	4.526E-03	7.325E-03	7.540E-03	2.844E-03	5.564E-03	2.246E-03	9.357E-03

	I	J	K	L	M	N	O	P	Q	R
83	7.325E-03	1.885E-03	4.729E-03	1.129E-03	4.582E-03	1.077E-03	4.977E-03	5.564E-03	1.125E-03	4.153E-03
84	1.140E-02	8.804E-03	1.264E-02	5.090E-03	8.239E-03	1.077E-02	1.490E-02	1.433E-02	6.749E-03	4.673E-03
85	4.887E-03	3.149E-03	7.878E-04	1.129E-03	1.828E-03	2.156E-03	3.555E-03	3.183E-03	5.621E-04	1.558E-03
86	3.341E-02	1.885E-02	8.668E-03	7.359E-03	2.427E-02	1.077E-02	2.065E-02	1.670E-02	1.298E-02	6.242E-03
87	1.535E-01	1.151E-01	5.361E-02	4.526E-02	1.174E-01	4.086E-02	6.817E-02	8.431E-02	4.786E-02	4.368E-02
88	1.874E-02	1.704E-02	1.738E-02	9.628E-03	1.603E-02	9.684E-03	1.851E-02	8.747E-03	7.878E-03	7.280E-03
89	1.298E-02	8.183E-03	2.212E-02	1.580E-02	2.652E-02	4.300E-03	2.415E-02	2.223E-02	7.314E-03	1.140E-02
90	3.014E-02	3.330E-02	3.860E-02	2.551E-02	9.436E-02	1.828E-02	4.977E-02	4.210E-02	2.472E-02	3.950E-02
91	6.512E-03	1.007E-02	5.519E-03	9.628E-03	2.156E-02	4.300E-03	1.065E-02	6.354E-03	2.246E-03	9.876E-03
92	4.153E-02	3.397E-02	1.185E-02	1.298E-02	3.115E-02	1.400E-02	1.986E-02	2.540E-02	1.242E-02	1.817E-02
93	8.217E-02	7.235E-02	2.528E-02	1.874E-02	3.341E-02	2.370E-02	1.558E-02	3.025E-02	2.472E-02	1.298E-02
94	1.219E-02	6.287E-03	7.099E-03	4.526E-03	5.497E-03	2.156E-03	4.977E-03	7.156E-03	4.503E-03	2.077E-03
95	3.172E-02	2.077E-02	2.054E-02	1.354E-02	2.607E-02	1.287E-02	3.691E-02	2.144E-02	1.411E-02	8.837E-03
96	4.887E-03	1.007E-02	4.729E-03	1.693E-03	1.287E-02	2.156E-03	1.704E-02	7.946E-03	1.682E-03	6.242E-03
97	8.950E-03	8.183E-03	3.939E-03	5.090E-03	9.165E-03	3.228E-03	1.140E-02	1.113E-02	4.503E-03	5.192E-03
98	2.280E-02	9.436E-03	7.878E-03	5.666E-03	1.558E-02	7.540E-03	1.772E-02	1.749E-02	7.878E-03	8.837E-03
99	6.891E-02	8.952E-02	1.053E-01	1.120E-01	5.518E-02	9.123E-02	8.719E-02	5.874E-02	5.677E-02	1.251E-01
100	4.414E-02	2.943E-02	5.481E-02	2.771E-02	2.244E-02	4.672E-02	4.709E-02	2.673E-02	2.379E-02	4.010E-02
101	2.318E-01	1.803E-01	1.079E-01	2.011E-01	1.717E-01	1.251E-01	1.521E-01	2.085E-01	1.557E-01	1.754E-01
102	6.671E-01	3.863E-01	8.105E-01	3.532E-01	3.250E-01	1.091E+00	8.676E-01	7.039E-01	3.985E-01	5.113E-01
103	2.882E-01	2.465E-01	1.208E-01	1.999E-01	1.655E-01	1.099E-01	2.060E-01	3.053E-01	1.815E-01	2.305E-01
104	3.115E-01	2.011E-01	3.593E-01	1.790E-01	1.557E-01	3.286E-01	3.151E-01	2.465E-01	2.109E-01	2.514E-01
105	1.027E+00	6.806E-01	9.540E-01	6.107E-01	4.684E-01	1.347E+00	1.098E+00	1.029E+00	6.892E-01	7.124E-01
106	1.288E-01	1.239E-01	1.643E-01	1.557E-01	1.422E-01	1.545E-01	1.422E-01	1.140E-01	1.063E-01	2.121E-01
107	9.724E-02	1.128E-01	1.053E-01	1.212E-01	1.010E-01	1.680E-01	1.226E-01	1.312E-01	1.131E-01	1.447E-01
108	1.435E-01	1.533E-01	1.704E-01	2.134E-01	1.557E-01	1.435E-01	1.422E-01	1.790E-01	2.121E-01	2.109E-01
109	6.193E-03	1.094E-02	5.996E-03	7.995E-03	5.469E-03	1.987E-02	6.180E-03	9.503E-03	1.223E-02	5.077E-03
110	4.071E-02	3.421E-02	1.631E-02	3.017E-02	4.476E-02	1.643E-02	3.470E-02	3.887E-02	3.666E-02	2.931E-02
111	3.360E-02	2.465E-02	1.974E-02	2.465E-02	3.237E-02	4.672E-03	2.158E-02	2.587E-02	2.256E-02	2.146E-02
112	2.036E-02	1.778E-02	6.855E-03	8.608E-03	1.937E-02	1.398E-02	1.239E-02	1.643E-02	1.533E-02	1.129E-02
113	4.414E-03	4.782E-03	4.280E-03	4.917E-03	3.483E-03	1.170E-03	5.408E-03	9.503E-03	6.107E-03	4.513E-03
114	7.075E-03	7.517E-03	1.113E-02	4.304E-03	3.985E-03	4.672E-03	1.386E-02	9.503E-03	6.107E-03	7.345E-03
115	2.563E-02	1.162E-02	1.459E-02	1.471E-02	1.288E-02	1.398E-02	8.486E-03	6.904E-03	1.410E-02	1.300E-02
116	3.532E-03	6.830E-03	4.280E-03	6.769E-03	8.461E-03	8.191E-03	6.180E-03	9.503E-03	4.893E-03	7.909E-03
117	1.594E-02	1.025E-02	1.028E-02	9.221E-03	1.545E-02	4.672E-03	1.471E-02	1.643E-02	1.223E-02	1.073E-02
118	5.310E-03	5.469E-03	1.028E-02	6.156E-03	1.144E-02	1.876E-02	8.486E-03	1.036E-02	5.494E-03	3.384E-03
119	1.508E-02	8.890E-03	1.113E-02	8.608E-03	1.144E-02	1.398E-02	1.852E-02	1.471E-02	1.410E-02	9.601E-03
120	1.239E-02	1.508E-02	6.855E-03	9.221E-03	1.349E-02	9.356E-03	1.003E-02	1.557E-02	1.223E-02	1.300E-02
121	6.643E-02	3.847E-02	8.041E-02	5.387E-02	9.350E-03	1.095E-01	4.835E-02	3.241E-02	1.149E-02	2.476E-02
122	1.380E-01	1.024E-01	2.253E-01	9.973E-02	2.743E-01	5.859E-02	2.467E-01	9.706E-02	9.172E-02	6.714E-02
123	4.426E+00	2.369E+00	4.212E+00	1.790E+00	3.936E+00	1.808E+00	5.370E+00	3.224E+00	2.066E+00	2.182E+00

	I	J	K	L	M	N	O	P	Q	R
124	6.643E-02	3.847E-02	6.972E-02	1.158E-02	2.805E-02	8.050E-02	5.316E-02	1.077E-02	2.680E-02	1.763E-02
125	8.851E-02	3.847E-02	6.972E-02	4.239E-02	3.117E-02	5.120E-02	6.278E-02	7.569E-02	4.586E-02	1.416E-02
126	6.198E-01	8.602E-01	1.042E+00	1.113E+00	1.817E+00	3.295E-01	4.835E-01	2.324E-01	7.614E-01	5.165E-01
127	2.066E+00	1.888E+00	2.591E+00	2.342E+00	4.363E+00	7.979E-01	1.612E+00	1.042E+00	1.817E+00	8.629E-01
128	3.482E+00	2.289E+00	3.108E+00	1.959E+00	3.660E+00	1.603E+00	3.108E+00	2.573E+00	2.538E+00	1.834E+00
129	6.091E-02	8.130E-02	5.361E-02	3.847E-02	4.052E-02	7.320E-02	8.210E-02	9.706E-02	4.203E-02	3.179E-02
130	3.785E+00	8.323E+00	8.783E+00	1.252E+01	1.124E+01	2.422E+00	4.889E+00	2.974E+00	5.718E+00	5.833E+00
131	2.582E+00	6.662E+00	5.272E+00	5.138E+00	6.644E+00	2.306E+00	5.129E+00	2.832E+00	1.995E+00	6.882E+00
132	6.643E-02	5.993E-02	1.122E-01	5.779E-02	3.428E-02	6.589E-02	1.692E-01	5.405E-02	4.586E-02	7.427E-02
133	2.217E-02	1.282E-02	1.069E-02	2.306E-02	1.870E-02	7.320E-03	1.932E-02	2.707E-02	1.149E-02	1.060E-02
134	5.530E-03	0.000E+00	1.069E-02	7.703E-03	3.117E-03	1.460E-02	2.903E-02	2.707E-02	3.446E-02	3.179E-02
135	2.217E-02	1.282E-02	5.361E-03	2.698E-02	1.870E-02	2.930E-02	1.932E-02	3.241E-02	1.915E-02	2.476E-02
136	2.769E-02	8.557E-03	3.215E-02	1.541E-02	1.870E-02	7.320E-03	2.903E-02	2.164E-02	3.829E-02	1.416E-02
137	9.973E-02	2.137E-02	6.972E-02	3.081E-02	4.987E-02	5.859E-02	9.706E-02	9.706E-02	5.352E-02	6.714E-02
138	3.321E-02	1.282E-02	4.292E-02	1.541E-02	1.870E-02	3.660E-02	2.903E-02	3.785E-02	1.532E-02	2.832E-02
139	2.654E-01	2.351E-01	2.199E-01	2.235E-01	3.428E-01	1.460E-01	1.451E-01	1.674E-01	2.680E-01	1.523E-01
140	1.496E-01	7.275E-02	1.451E-01	9.973E-02	2.805E-01	8.050E-02	2.030E-01	7.569E-02	1.336E-01	9.172E-02
141	3.874E-02	3.847E-02	3.215E-02	5.779E-02	6.545E-02	7.320E-03	1.113E-01	5.948E-02	2.680E-02	4.595E-02
142	2.217E-02	2.137E-02	2.680E-02	1.158E-02	6.233E-03	7.320E-03	1.932E-02	1.621E-02	1.149E-02	1.416E-02
143	5.530E-03	8.557E-03	1.612E-02	1.923E-02	2.182E-02	2.199E-02	1.932E-02	0.000E+00	1.532E-02	7.070E-03
144	2.217E-02	2.565E-02	2.680E-02	2.698E-02	3.117E-02	4.390E-02	2.903E-02	4.328E-02	3.829E-02	3.535E-02
145	2.769E-02	7.275E-02	2.680E-02	2.698E-02	4.052E-02	3.660E-02	3.384E-02	1.621E-02	1.149E-02	2.832E-02
146	9.439E-02	1.710E-01	1.665E-01	1.389E-01	2.208E-01	1.095E-01	1.309E-01	1.567E-01	1.184E-01	2.048E-01
147	1.656E-01	1.630E-01	1.451E-01	1.621E-01	2.556E-01	4.390E-02	8.700E-02	8.646E-02	1.532E-01	1.060E-01
148	5.370E-01	4.194E-01	5.307E-01	4.239E-01	8.994E-01	1.834E-01	3.580E-01	2.271E-01	4.363E-01	2.760E-01
149	1.220E-01	4.711E-02	1.069E-01	1.077E-01	2.992E-01	5.120E-02	1.015E-01	5.948E-02	9.528E-02	3.891E-02
150	4.426E-02	1.710E-02	3.749E-02	3.081E-02	3.117E-02	2.199E-02	2.413E-02	3.785E-02	1.915E-02	1.416E-02
151	1.104E-02	8.557E-03	1.612E-02	2.306E-02	9.350E-03	2.199E-02	4.835E-03	1.621E-02	7.649E-03	1.060E-02
152	1.656E-02	2.992E-02	4.292E-02	5.004E-02	1.558E-02	4.390E-02	2.413E-02	5.405E-03	1.532E-02	5.298E-02
153	2.769E-02	2.137E-02	1.069E-02	3.464E-02	3.740E-02	7.320E-03	3.384E-02	5.405E-03	2.680E-02	2.832E-02
154	5.530E-03	1.710E-02	1.612E-02	7.703E-03	9.350E-03	2.199E-02	1.451E-02	3.241E-02	7.649E-03	1.060E-02
155	5.530E-03	1.282E-02	2.146E-02	3.081E-02	2.493E-02	7.320E-03	2.903E-02	2.707E-02	1.532E-02	2.476E-02
156	1.443E-01	3.767E-01	2.573E-01	1.158E-01	2.769E-01	1.460E-01	3.526E-01	2.217E-01	2.030E-01	3.998E-01
157	5.530E-02	1.665E-01	2.039E-01	8.468E-02	1.585E-01	5.120E-02	1.594E-01	8.112E-02	1.870E-01	1.202E-01
158	2.102E-01	3.081E-01	3.375E-01	2.930E-01	3.704E-01	2.048E-01	2.903E-01	2.591E-01	4.630E-01	4.417E-01
159	1.167E-01	8.130E-02	1.772E-01	1.077E-01	1.683E-01	4.390E-02	1.211E-01	7.569E-02	1.950E-01	7.774E-02
160	7.195E-02	3.419E-02	3.749E-02	3.847E-02	4.675E-02	2.199E-02	4.835E-02	2.707E-02	1.532E-02	2.832E-02
161	7.747E-02	3.847E-02	1.122E-01	1.541E-02	4.987E-02	4.390E-02	7.729E-02	5.405E-02	3.829E-02	1.416E-02
162	6.643E-02	3.419E-02	3.749E-02	2.306E-02	1.558E-02	2.199E-02	2.903E-02	3.241E-02	3.446E-02	2.476E-02
163	1.656E-02	2.992E-02	1.069E-02	1.923E-02	1.870E-02	2.930E-02	2.903E-02	1.621E-02	1.915E-02	3.535E-03
164	1.656E-02	1.710E-02	2.680E-02	1.541E-02	1.247E-02	2.199E-02	4.346E-02	2.164E-02	1.149E-02	1.060E-02

	I	J	K	L	M	N	O	P	Q	R
165	3.321E-02	3.419E-02	4.826E-02	3.464E-02	1.870E-02	2.930E-02	2.903E-02	1.621E-02	4.203E-02	4.595E-02
166	4.978E-02	6.420E-02	2.680E-02	3.081E-02	3.740E-02	2.930E-02	5.797E-02	2.164E-02	2.680E-02	2.832E-02
167	9.973E-02	1.754E-01	1.505E-01	1.042E-01	2.208E-01	8.050E-02	1.977E-01	1.354E-01	6.118E-02	3.179E-01
168	4.426E-02	7.703E-02	6.438E-02	8.468E-02	1.060E-01	3.660E-02	1.496E-01	1.140E-01	8.032E-02	1.060E-01
169	4.978E-02	2.565E-02	5.895E-02	6.162E-02	5.922E-02	3.660E-02	6.768E-02	7.569E-02	8.032E-02	3.535E-02
170	5.530E-02	4.283E-02	6.438E-02	5.004E-02	2.805E-02	5.120E-02	4.346E-02	5.948E-02	6.118E-02	2.832E-02
171	7.195E-02	1.710E-02	4.292E-02	3.847E-02	5.922E-02	3.660E-02	8.210E-02	4.862E-02	4.969E-02	7.070E-03
172	8.608E-02	7.247E-02	1.312E-01	8.853E-02	1.188E-01	1.349E-01	1.275E-01	7.370E-02	8.694E-02	1.484E-01
173	2.919E+00	2.198E+00	3.149E+00	2.402E+00	2.293E+00	4.723E+00	2.888E+00	3.062E+00	2.607E+00	2.159E+00
174	4.704E+00	3.905E+00	4.238E+00	3.466E+00	3.054E+00	7.832E+00	4.687E+00	4.754E+00	4.159E+00	3.352E+00
175	1.164E+00	1.039E+00	1.167E+00	1.161E+00	1.198E+00	1.649E+00	9.748E-01	9.687E-01	1.083E+00	8.228E-01
176	3.315E+00	2.522E+00	3.625E+00	3.420E+00	2.409E+00	4.752E+00	3.815E+00	3.540E+00	3.390E+00	2.820E+00
177	4.598E-01	9.422E-01	1.062E+00	1.736E+00	1.280E+00	1.327E+00	7.971E-01	6.438E-01	1.546E+00	1.575E+00
178	8.302E-02	1.496E-01	1.999E-01	3.495E-01	4.010E-01	2.269E-01	1.373E-01	7.971E-02	4.071E-01	3.605E-01
179	1.827E-02	3.004E-02	3.029E-02	3.556E-02	3.127E-02	3.433E-02	2.992E-02	2.305E-02	4.525E-02	3.654E-02
180	5.641E-02	2.416E-02	2.661E-02	3.078E-02	1.717E-02	2.820E-02	3.066E-02	2.379E-02	2.685E-02	1.901E-02
181	1.606E-02	1.061E-02	1.999E-02	1.533E-02	1.030E-02	3.826E-02	2.060E-02	1.263E-02	2.269E-02	1.950E-02
182	8.841E-02	5.297E-02	1.619E-01	6.781E-02	4.672E-02	1.901E-01	1.288E-01	8.044E-02	7.272E-02	9.099E-02
183	1.582E+00	9.923E-01	2.690E+00	1.074E+00	1.023E+00	2.595E+00	2.030E+00	1.581E+00	1.225E+00	1.353E+00
184	1.590E+00	9.799E-01	2.991E+00	1.113E+00	1.099E+00	2.934E+00	2.174E+00	1.537E+00	1.640E+00	1.502E+00
185	1.278E+00	7.541E-01	2.051E+00	8.398E-01	7.536E-01	2.069E+00	1.691E+00	1.202E+00	1.190E+00	9.463E-01
186	2.770E+00	1.782E+00	3.805E+00	1.697E+00	1.335E+00	3.618E+00	3.201E+00	2.438E+00	2.466E+00	2.529E+00
187	6.928E-01	5.506E-01	9.209E-01	5.248E-01	4.280E-01	7.006E-01	7.039E-01	6.021E-01	5.420E-01	5.641E-01
188	7.321E-02	4.709E-02	8.645E-02	5.359E-02	4.157E-02	6.352E-02	5.788E-02	4.611E-02	5.690E-02	5.113E-02
189	1.300E-02	1.471E-02	3.691E-02	1.803E-02	1.288E-02	1.210E-02	1.925E-02	1.410E-02	2.477E-02	2.097E-02
190	1.484E-01	1.582E-01	3.912E-01	2.428E-01	1.962E-01	2.538E-01	2.538E-01	1.778E-01	3.532E-01	2.293E-01
191	9.183E-01	1.519E+00	3.005E+00	2.670E+00	1.618E+00	2.386E+00	1.809E+00	1.308E+00	2.547E+00	3.566E+00
192	3.421E-01	3.679E-01	7.701E-01	7.443E-01	6.490E-01	5.861E-01	5.101E-01	2.955E-01	9.328E-01	1.046E+00
193	8.081E-02	6.720E-02	1.263E-01	7.958E-02	7.934E-02	1.361E-01	8.522E-02	5.739E-02	1.138E-01	1.129E-01
194	1.864E-01	9.135E-02	1.349E-01	6.156E-02	5.015E-02	1.220E-01	1.496E-01	1.606E-01	1.300E-01	6.376E-02
195	6.634E-02	3.127E-02	6.499E-02	2.600E-02	1.839E-02	7.259E-02	5.727E-02	5.739E-02	5.162E-02	3.703E-02
196	8.228E-02	1.680E-01	1.754E-01	1.124E-01	9.050E-02	1.312E-01	1.422E-01	1.337E-01	4.525E-02	3.348E-01
197	5.947E-02	1.037E-01	1.337E-01	8.694E-02	8.020E-02	9.479E-02	8.584E-02	4.697E-02	9.430E-02	1.937E-01
198	6.634E-02	5.003E-02	1.085E-01	7.419E-02	5.359E-02	8.069E-02	5.518E-02	7.149E-02	7.529E-02	7.885E-02
199	1.631E-01	7.014E-02	2.600E-01	1.161E-01	6.732E-02	1.864E-01	1.631E-01	1.643E-01	1.582E-01	9.834E-02
200	1.029E-01	3.948E-02	1.496E-01	3.875E-02	4.758E-02	1.312E-01	1.064E-01	9.908E-02	1.012E-01	7.161E-02
201	8.841E-02	4.476E-02	8.486E-02	3.495E-02	2.661E-02	7.357E-02	8.314E-02	7.517E-02	7.272E-02	5.015E-02
202	1.680E-02	1.594E-02	1.471E-02	1.113E-02	3.863E-03	1.619E-02	1.398E-02	1.643E-02	1.471E-02	6.327E-03
203	7.615E-04	0.000E+00	0.000E+00	0.000E+00	1.717E-03	2.011E-03	6.658E-04	0.000E+00	0.000E+00	4.868E-04
204	1.067E-02	1.361E-02	1.692E-02	1.643E-02	1.631E-02	1.815E-02	2.330E-02	2.085E-02	1.373E-02	4.868E-03
205	3.053E-03	2.943E-03	1.471E-03	2.649E-03	1.288E-03	1.008E-03	0.000E+00	1.484E-03	1.582E-03	2.428E-03

	I	J	K	L	M	N	O	P	Q	R
206	2.440E-02	1.533E-02	2.882E-02	1.754E-02	8.584E-03	3.826E-02	2.526E-02	2.833E-02	1.950E-02	1.169E-02
207	9.908E-03	4.120E-03	1.034E-02	7.419E-03	4.721E-03	2.219E-02	1.198E-02	1.042E-02	7.370E-03	4.378E-03
208	6.855E-03	4.709E-03	3.691E-03	5.297E-03	2.146E-03	5.040E-03	5.984E-03	5.960E-03	6.315E-03	3.899E-03
209	0.000E+00	5.898E-04	1.471E-03	0.000E+00	0.000E+00	0.000E+00	6.658E-04	7.443E-04	0.000E+00	0.000E+00
210	1.521E-03	0.000E+00	0.000E+00	5.297E-04	4.292E-04	2.011E-03	0.000E+00	2.980E-03	1.053E-03	9.736E-04
211	0.000E+00	5.898E-04	7.382E-04	0.000E+00	4.292E-04	0.000E+00	5.322E-03	1.484E-03	0.000E+00	9.736E-04
212	2.281E-03	2.354E-03	2.955E-03	4.243E-03	4.292E-04	3.029E-03	4.660E-03	6.695E-03	2.636E-03	1.950E-03
213	6.094E-03	2.354E-03	7.382E-03	2.121E-03	4.292E-03	3.029E-03	1.999E-03	4.464E-03	3.691E-03	4.378E-03
214	3.053E-03	1.766E-03	5.162E-03	3.176E-03	2.146E-03	1.008E-03	1.337E-03	0.000E+00	4.746E-03	2.428E-03
215	7.615E-04	1.178E-03	7.382E-04	1.061E-03	0.000E+00	1.008E-03	1.337E-03	7.443E-04	0.000E+00	9.736E-04
216	0.000E+00	1.178E-03	7.382E-04	5.297E-04	0.000E+00	1.008E-03	1.999E-03	1.484E-03	5.273E-04	9.736E-04
217	1.521E-03	0.000E+00	1.471E-03	5.297E-04	4.292E-04	1.008E-03	6.658E-04	0.000E+00	1.053E-03	4.868E-04
218	1.672E+00	1.177E+00	3.013E+00	1.140E+00	1.261E+00	2.930E+00	2.259E+00	1.774E+00	1.265E+00	1.593E+00
219	1.754E-02	1.594E-02	4.059E-02	1.275E-02	1.582E-02	1.913E-02	2.796E-02	2.232E-02	1.950E-02	1.901E-02
220	2.112E+00	1.596E+00	2.393E+00	1.781E+00	3.459E+00	2.207E+00	2.200E+00	8.514E-01	2.218E+00	1.952E+00
221	7.827E+01	6.294E+01	7.397E+01	6.086E+01	7.098E+01	6.548E+01	6.098E+01	7.316E+01	6.065E+01	5.922E+01
222	4.463E+01	5.649E+01	4.580E+01	6.199E+01	6.488E+01	4.571E+01	3.536E+01	3.649E+01	5.956E+01	4.531E+01
223	3.062E+01	3.034E+01	3.141E+01	2.727E+01	4.708E+01	3.074E+01	2.680E+01	2.867E+01	3.387E+01	2.999E+01
224	3.486E+01	2.336E+01	2.926E+01	3.386E+01	3.405E+01	2.172E+01	2.291E+01	3.066E+01	3.932E+01	2.011E+01
225	1.011E+01	1.555E+01	1.274E+01	2.430E+01	1.814E+01	1.053E+01	9.931E+00	1.292E+01	2.240E+01	1.937E+01
226	2.750E+00	8.839E+00	4.028E+00	6.010E+00	6.649E+00	4.615E+00	3.482E+00	3.857E+00	2.592E+00	1.132E+01
227	1.216E+00	2.934E+00	1.494E+00	2.879E+00	3.142E+00	1.643E+00	1.299E+00	1.361E+00	3.031E+00	3.671E+00
228	6.506E-01	4.285E-01	4.404E-01	6.439E-01	7.131E-01	5.492E-01	4.742E-01	4.338E-01	3.462E-01	4.026E-01
229	6.833E-01	4.540E-01	4.488E-01	7.002E-01	7.487E-01	6.245E-01	5.087E-01	4.844E-01	3.686E-01	4.113E-01
230	4.121E+01	4.797E+01	2.579E+01	3.424E+01	3.028E+01	3.022E+01	3.701E+01	4.368E+01	3.157E+01	4.051E+01
231	5.045E+00	4.980E+00	3.182E+00	6.210E+00	5.189E+00	3.891E+00	3.717E+00	5.020E+00	3.691E+00	4.875E+00
232	2.312E+00	2.399E+00	1.732E+00	1.909E+00	1.456E+00	2.185E+00	2.877E+00	2.330E+00	1.314E+00	1.726E+00
233	5.541E+00	6.432E+00	5.414E+00	6.060E+00	5.180E+00	6.619E+00	7.404E+00	4.851E+00	4.839E+00	4.747E+00
234	1.690E+01	1.631E+01	1.999E+01	1.513E+01	2.177E+01	2.032E+01	2.579E+01	1.796E+01	1.422E+01	1.874E+01
235	1.263E+01	9.965E+00	9.824E+00	9.446E+00	9.911E+00	1.056E+01	1.354E+01	1.427E+01	7.896E+00	1.217E+01
236	1.204E+00	1.259E+00	1.138E+00	8.899E-01	8.707E-01	1.206E+00	1.372E+00	9.129E-01	7.284E-01	6.410E-01
237	3.727E+00	5.149E+00	5.068E+00	4.451E+00	4.543E+00	3.936E+00	4.343E+00	2.784E+00	4.355E+00	3.361E+00
238	7.384E+00	7.126E+00	6.615E+00	5.322E+00	5.790E+00	7.224E+00	8.893E+00	8.370E+00	6.183E+00	6.138E+00
239	1.765E+00	1.430E+00	1.367E+00	1.420E+00	1.145E+00	1.482E+00	1.812E+00	1.934E+00	1.193E+00	1.223E+00
240	3.099E+01	1.617E+01	2.611E+01	1.264E+01	1.411E+01	2.798E+01	2.224E+01	1.821E+01	1.754E+01	9.108E+00
241	2.030E+02	2.190E+02	2.207E+02	2.069E+02	2.092E+02	2.605E+02	2.187E+02	1.860E+02	1.943E+02	1.977E+02
242	1.296E+02	1.298E+02	1.822E+02	1.118E+02	1.663E+02	1.929E+02	1.851E+02	1.590E+02	1.303E+02	1.631E+02
243	1.232E+01	1.160E+01	1.880E+01	1.064E+01	1.595E+01	1.679E+01	1.768E+01	1.501E+01	1.212E+01	1.704E+01
244	6.486E+00	1.021E+01	8.446E+00	1.123E+01	6.988E+00	7.252E+00	7.123E+00	8.538E+00	9.172E+00	9.716E+00
245	5.074E+00	5.674E+00	5.444E+00	5.539E+00	4.977E+00	4.698E+00	4.967E+00	4.236E+00	5.659E+00	4.528E+00
246	1.022E+01	7.571E+00	8.629E+00	7.028E+00	6.188E+00	8.506E+00	9.031E+00	6.994E+00	7.213E+00	5.289E+00

	I	J	K	L	M	N	O	P	Q	R
247	5.890E+00	5.320E+00	5.820E+00	4.947E+00	5.360E+00	5.756E+00	5.807E+00	4.749E+00	4.542E+00	4.317E+00
248	4.185E+01	5.689E+01	7.310E+01	8.845E+01	6.655E+01	5.555E+01	5.250E+01	5.391E+01	7.455E+01	8.070E+01
249	5.403E+01	4.701E+01	7.260E+01	7.532E+01	7.391E+01	5.243E+01	4.849E+01	4.121E+01	7.701E+01	6.285E+01
250	1.192E+02	1.071E+02	1.405E+02	1.383E+02	1.331E+02	1.167E+02	1.140E+02	9.850E+01	1.438E+02	1.041E+02
251	6.164E+01	4.293E+01	6.750E+01	4.909E+01	6.582E+01	5.206E+01	5.348E+01	5.263E+01	6.235E+01	4.328E+01
252	4.690E+00	3.304E+00	5.287E+00	3.380E+00	4.252E+00	3.926E+00	4.062E+00	4.192E+00	4.453E+00	3.081E+00
253	3.772E+00	4.551E+00	3.448E+00	3.371E+00	2.681E+00	3.834E+00	3.725E+00	4.015E+00	2.439E+00	4.159E+00
254	6.686E+00	1.014E+01	7.485E+00	8.476E+00	6.384E+00	7.724E+00	7.298E+00	7.539E+00	8.534E+00	8.924E+00
255	6.940E+00	8.665E+00	7.438E+00	9.549E+00	6.668E+00	7.503E+00	7.210E+00	8.762E+00	8.507E+00	8.171E+00
256	4.137E+00	3.135E+00	4.052E+00	3.610E+00	2.914E+00	3.965E+00	3.638E+00	3.361E+00	3.271E+00	2.840E+00
257	7.478E+00	6.901E+00	5.524E+00	5.714E+00	5.300E+00	6.568E+00	7.279E+00	5.988E+00	4.994E+00	4.675E+00
258	1.245E+01	2.016E+01	2.186E+01	2.547E+01	2.111E+01	1.852E+01	1.671E+01	1.477E+01	2.739E+01	3.112E+01
259	2.588E+01	2.997E+01	4.260E+01	6.223E+01	4.000E+01	2.989E+01	3.239E+01	3.456E+01	6.222E+01	4.709E+01
260	3.391E+01	2.815E+01	3.806E+01	4.667E+01	3.950E+01	3.228E+01	3.728E+01	3.353E+01	5.537E+01	3.984E+01
261	4.359E+01	3.790E+01	3.067E+01	3.140E+01	3.018E+01	3.620E+01	4.354E+01	5.001E+01	3.520E+01	3.710E+01
262	1.871E+01	1.262E+01	1.249E+01	1.271E+01	1.235E+01	1.254E+01	1.248E+01	1.556E+01	1.377E+01	1.213E+01
263	2.261E+00	3.217E+00	2.388E+00	2.308E+00	2.014E+00	2.707E+00	2.540E+00	2.283E+00	1.671E+00	3.153E+00
264	3.313E+00	2.993E+00	3.057E+00	2.328E+00	2.039E+00	3.985E+00	3.243E+00	3.208E+00	2.269E+00	2.599E+00
265	2.795E+00	1.954E+00	2.778E+00	2.050E+00	1.569E+00	2.812E+00	2.769E+00	2.785E+00	2.038E+00	2.082E+00
266	4.350E+00	2.121E+00	3.872E+00	1.735E+00	1.411E+00	4.149E+00	4.032E+00	3.494E+00	1.869E+00	1.471E+00
267	4.361E+00	2.407E+00	3.482E+00	2.134E+00	1.538E+00	3.937E+00	3.826E+00	3.585E+00	1.812E+00	1.528E+00
268	5.805E+00	1.068E+01	1.094E+01	1.051E+01	1.155E+01	8.390E+00	8.498E+00	7.710E+00	6.336E+00	1.809E+01
269	6.939E+00	6.353E+00	9.373E+00	7.591E+00	7.273E+00	8.706E+00	6.759E+00	6.896E+00	7.648E+00	1.117E+01
270	4.160E+00	2.564E+00	5.001E+00	3.885E+00	3.421E+00	3.901E+00	3.552E+00	3.554E+00	4.805E+00	4.033E+00
271	1.445E+01	1.730E+01	9.218E+00	1.249E+01	1.280E+01	1.424E+01	1.529E+01	1.220E+01	1.368E+01	1.314E+01
272	1.009E+02	1.152E+02	6.302E+01	8.608E+01	7.367E+01	7.943E+01	8.880E+01	1.068E+02	8.027E+01	9.790E+01
273	1.134E+02	1.285E+02	6.513E+01	9.510E+01	8.170E+01	8.837E+01	9.613E+01	1.228E+02	9.054E+01	1.012E+02
274	1.759E+01	1.913E+01	9.047E+00	1.495E+01	1.188E+01	1.215E+01	1.281E+01	1.964E+01	1.325E+01	1.623E+01
275	1.165E+00	1.082E+00	6.601E-01	9.392E-01	6.611E-01	8.727E-01	8.739E-01	6.546E-01	5.514E-01	5.165E-01
276	1.034E+01	1.237E+01	8.922E+00	8.843E+00	7.886E+00	1.174E+01	1.481E+01	9.851E+00	7.149E+00	8.665E+00
277	2.679E+01	2.788E+01	2.195E+01	2.337E+01	1.799E+01	2.426E+01	3.141E+01	3.477E+01	1.717E+01	2.434E+01
278	2.734E+01	2.765E+01	2.079E+01	2.365E+01	1.832E+01	2.443E+01	3.149E+01	3.590E+01	1.695E+01	2.415E+01
279	7.289E+00	6.322E+00	7.256E+00	5.707E+00	7.557E+00	7.470E+00	8.543E+00	9.092E+00	5.140E+00	7.067E+00
280	1.019E+01	7.082E+00	8.403E+00	6.070E+00	5.652E+00	9.401E+00	8.758E+00	6.562E+00	7.039E+00	5.158E+00
281	1.010E+02	1.102E+02	1.173E+02	1.061E+02	1.043E+02	1.185E+02	1.041E+02	9.140E+01	9.681E+01	1.119E+02
282	8.955E+01	9.949E+01	1.029E+02	9.687E+01	9.356E+01	1.022E+02	9.373E+01	8.254E+01	8.502E+01	9.693E+01
283	3.895E+01	3.974E+01	6.283E+01	3.059E+01	5.306E+01	5.605E+01	5.722E+01	4.944E+01	3.959E+01	5.409E+01
284	7.592E+00	7.217E+00	5.561E+00	7.477E+00	7.016E+00	5.429E+00	6.612E+00	5.271E+00	5.508E+00	5.398E+00
285	8.244E+01	7.458E+01	8.280E+01	8.587E+01	8.331E+01	6.831E+01	7.017E+01	7.046E+01	8.954E+01	7.184E+01
286	6.662E+01	6.003E+01	6.141E+01	7.030E+01	6.819E+01	5.169E+01	5.277E+01	5.748E+01	7.116E+01	5.686E+01
287	1.152E+01	8.311E+00	1.353E+01	8.796E+00	1.327E+01	9.263E+00	9.748E+00	1.045E+01	1.243E+01	8.539E+00

	I	J	K	L	M	N	O	P	Q	R
288	7.872E+01	7.536E+01	5.301E+01	6.082E+01	5.783E+01	6.735E+01	8.301E+01	9.739E+01	6.927E+01	7.363E+01
289	6.446E+01	6.409E+01	4.141E+01	5.153E+01	4.830E+01	5.447E+01	6.761E+01	8.276E+01	5.551E+01	6.122E+01
290	2.787E+01	2.363E+01	1.608E+01	2.310E+01	2.276E+01	1.847E+01	2.088E+01	2.667E+01	2.452E+01	2.491E+01
291	2.335E+01	2.032E+01	1.286E+01	1.940E+01	1.851E+01	1.418E+01	1.611E+01	2.189E+01	1.974E+01	1.997E+01
292	3.560E+00	2.383E+00	2.787E+00	2.384E+00	2.314E+00	2.596E+00	2.545E+00	2.820E+00	2.615E+00	2.423E+00
293	3.555E+00	1.657E+00	2.446E+00	1.645E+00	1.231E+00	2.770E+00	2.436E+00	2.911E+00	1.894E+00	1.311E+00
294	2.427E+00	1.663E+00	3.148E+00	2.296E+00	1.997E+00	3.474E+00	2.703E+00	2.142E+00	1.897E+00	2.079E+00
295	2.364E+00	1.665E+00	3.157E+00	2.298E+00	1.959E+00	3.385E+00	2.690E+00	2.104E+00	1.906E+00	2.141E+00
296	1.332E+00	1.067E+00	2.489E+00	1.316E+00	1.575E+00	2.508E+00	2.275E+00	1.449E+00	1.133E+00	1.690E+00
297	4.580E-01	4.999E-01	3.840E-01	2.800E-01	3.151E-01	8.211E-01	7.311E-01	5.428E-01	3.419E-01	6.526E-01
298	1.929E-02	2.467E-02	7.830E-03	1.452E-02	2.081E-02	2.124E-02	1.231E-02	2.553E-02	1.530E-02	1.907E-02
299	1.562E-01	1.405E-01	1.392E-01	8.624E-02	9.375E-02	2.294E-01	2.840E-01	2.740E-01	9.911E-02	1.502E-01
300	1.178E-02	9.396E-03	3.926E-03	5.599E-03	7.315E-03	7.487E-03	8.431E-03	2.143E-02	6.886E-03	6.457E-03
301	1.274E-01	9.825E-02	7.658E-02	6.328E-02	7.530E-02	1.133E-01	1.626E-01	1.467E-01	1.025E-01	1.025E-01
302	2.617E-02	3.990E-02	7.122E-03	1.188E-02	3.132E-02	4.248E-02	1.802E-02	5.449E-02	4.097E-02	1.246E-02
303	3.418E-01	4.144E-01	2.019E-01	2.611E-01	3.583E-01	3.756E-01	3.314E-01	4.279E-01	3.869E-01	3.765E-01
304	4.290E-03	4.076E-03	5.706E-03	5.256E-03	4.805E-03	8.752E-03	1.049E-02	9.289E-03	5.384E-03	3.733E-03
305	5.756E-01	7.624E-01	3.470E-01	3.489E-01	4.039E-01	8.889E-01	8.399E-01	1.053E+00	4.957E-01	5.914E-01
306	3.797E-02	4.355E-02	1.549E-02	3.175E-02	2.703E-02	3.175E-02	3.389E-02	6.886E-02	3.111E-02	3.625E-02
307	1.752E+00	2.928E+00	6.131E-01	1.650E+00	2.502E+00	1.225E+00	1.189E+00	2.179E+00	2.365E+00	1.865E+00
308	2.767E-02	4.827E-02	1.068E-02	2.832E-02	3.904E-02	1.791E-02	1.710E-02	4.226E-02	4.012E-02	3.733E-02
309	9.117E-03	6.328E-03	4.441E-03	4.376E-03	3.282E-03	5.406E-03	1.461E-02	1.188E-02	3.239E-03	7.594E-03
310	3.754E-03	2.660E-03	2.488E-03	1.575E-03	2.119E-03	4.569E-03	2.746E-03	3.883E-03	2.574E-03	1.862E-03
311	2.143E-03	2.042E-03	7.122E-04	1.049E-03	5.771E-04	3.325E-03	1.596E-03	1.549E-03	1.077E-03	5.728E-04
312	1.070E-03	2.042E-04	3.561E-04	5.256E-04	5.771E-04	5.406E-03	1.141E-03	7.744E-04	4.312E-04	2.875E-04
313	2.400E-01	2.578E-01	4.483E-02	1.678E-01	1.313E-01	1.107E-01	1.216E-01	2.577E-01	1.551E-01	1.094E-01
314	1.206E-02	1.184E-02	3.561E-03	6.650E-03	6.157E-03	4.569E-03	4.784E-03	1.549E-02	5.814E-03	3.304E-03
315	4.762E-02	5.427E-02	1.246E-02	2.832E-02	3.025E-02	3.046E-02	2.875E-02	4.441E-02	3.111E-02	2.079E-02
316	2.682E-03	2.252E-03	8.903E-04	2.274E-03	1.349E-03	2.081E-03	2.053E-03	1.549E-03	1.937E-03	1.577E-03
317	4.097E-02	4.119E-02	1.139E-02	2.682E-02	2.317E-02	2.167E-02	2.746E-02	4.140E-02	3.389E-02	2.446E-02
318	3.475E-03	3.883E-03	1.602E-03	1.575E-03	1.733E-03	1.665E-03	2.274E-03	2.832E-03	2.574E-03	1.004E-03
319	3.511E-01	3.564E-01	7.251E-02	2.485E-01	2.194E-01	1.429E-01	1.534E-01	2.652E-01	2.698E-01	1.879E-01
320	1.339E-03	1.429E-03	1.781E-04	0.000E+00	5.771E-04	1.665E-03	1.596E-03	1.808E-03	6.457E-04	0.000E+00
321	3.372E-01	4.158E-01	6.993E-02	1.896E-01	1.879E-01	1.811E-01	1.899E-01	3.977E-01	2.459E-01	1.583E-01
322	1.098E-02	1.714E-02	2.853E-03	5.771E-03	5.384E-03	5.835E-03	5.256E-03	9.804E-03	7.530E-03	4.591E-03
323	3.653E-01	4.193E-01	6.757E-02	2.779E-01	2.737E-01	1.553E-01	1.538E-01	3.342E-01	3.215E-01	2.089E-01
324	9.117E-03	9.804E-03	3.389E-03	8.388E-03	1.040E-02	3.754E-03	5.706E-03	1.137E-02	9.696E-03	7.594E-03
325	1.500E-02	1.695E-02	6.050E-03	1.066E-02	8.860E-03	1.373E-02	1.025E-02	1.420E-02	1.594E-02	9.182E-03
326	2.143E-03	1.429E-03	7.122E-04	1.399E-03	1.156E-03	3.325E-03	1.141E-03	2.317E-03	8.602E-04	4.290E-04
327	1.849E-02	2.317E-02	7.658E-03	1.452E-02	1.753E-02	1.832E-02	1.710E-02	1.963E-02	1.637E-02	9.460E-03
328	2.682E-03	1.836E-03	7.122E-04	1.399E-03	2.317E-03	1.665E-03	2.053E-03	4.140E-03	1.723E-03	2.006E-03

	I	J	K	L	M	N	O	P	Q	R
329	6.851E-01	6.499E-01	1.377E-01	3.970E-01	3.614E-01	2.469E-01	3.100E-01	7.435E-01	5.383E-01	3.189E-01
330	8.045E-03	7.144E-03	2.488E-03	4.012E-03	6.736E-03	3.754E-03	3.196E-03	5.170E-03	4.097E-03	3.153E-03
331	4.505E-02	5.535E-02	1.264E-02	3.797E-02	3.583E-02	2.531E-02	3.818E-02	6.285E-02	3.776E-02	2.467E-02
332	2.682E-03	6.114E-04	3.561E-04	1.225E-03	1.349E-03	2.081E-03	1.369E-03	3.347E-03	1.077E-03	1.004E-03
333	2.982E-02	3.518E-02	1.122E-02	2.875E-02	2.596E-02	1.832E-02	1.894E-02	3.175E-02	2.660E-02	1.491E-02
334	2.682E-04	2.042E-04	3.561E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.574E-04	4.312E-04	0.000E+00
335	8.216E-02	8.881E-02	1.798E-02	5.921E-02	6.328E-02	3.583E-02	3.454E-02	5.663E-02	6.114E-02	3.818E-02
336	4.548E-03	3.068E-03	1.602E-03	2.789E-03	2.703E-03	1.665E-03	2.510E-03	3.625E-03	3.454E-03	1.146E-03
337	1.690E-01	1.750E-01	2.553E-02	7.508E-02	7.916E-02	7.165E-02	7.229E-02	1.519E-01	1.167E-01	6.328E-02
338	2.403E-03	1.429E-03	8.903E-04	1.049E-03	1.349E-03	4.162E-04	9.117E-04	2.832E-03	3.025E-03	1.004E-03
339	6.607E-02	9.310E-02	1.461E-02	4.955E-02	6.050E-02	3.497E-02	3.818E-02	7.573E-02	6.908E-02	3.776E-02
340	3.218E-03	4.891E-03	5.342E-04	2.274E-03	4.054E-03	3.325E-03	2.274E-03	2.832E-03	4.312E-03	2.145E-03
341	1.206E-02	1.062E-02	5.342E-03	8.045E-03	4.998E-03	1.583E-02	9.589E-03	1.446E-02	8.602E-03	5.878E-03
342	1.070E-03	1.021E-03	1.068E-03	6.993E-04	7.701E-04	8.323E-04	4.569E-04	2.317E-03	4.312E-04	5.728E-04
343	1.420E-02	9.997E-03	8.731E-03	7.337E-03	1.233E-02	1.583E-02	1.276E-02	1.137E-02	6.886E-03	6.028E-03
344	2.682E-04	0.000E+00	7.122E-04	1.748E-04	7.701E-04	0.000E+00	6.843E-04	2.574E-04	2.145E-04	5.728E-04

	S	T	U	V	W	X	Y	Z	AA	AB
1	**14432**	**CA057**	**CA274**	**13835**	**13848**	**13805**	**13828**	**13867**	**13717**	**13693**
2	**Early Malignant**	**Control**	**Control**	**Late Malignant**	**Late Malignant**	**Late Malignant**	**Late Malignant**	**Late Malignant**	**Late Malignant**	**Late Malignant**
3	2	0	0	3	3	3	3	3	3	3
4	-1	1	1	-1	-1	-1	-1	-1	-1	-1
5	2.572E+00	2.973E+00	1.897E+00	2.961E+00	2.393E+00	2.684E+00	2.087E+00	2.599E+00	1.610E+00	2.609E+00
6	8.278E-01	1.726E+00	6.088E-01	5.194E-01	7.252E-01	8.026E-01	7.024E-01	7.131E-01	5.086E-01	1.191E+00
7	2.800E-01	3.605E-01	1.974E-01	2.028E-01	3.047E-01	3.519E-01	2.135E-01	2.983E-01	1.427E-01	3.509E-01
8	1.193E+00	1.374E+00	2.216E+00	4.474E+00	1.507E+00	1.663E+00	1.096E+00	1.570E+00	1.529E+00	1.127E+00
9	1.534E-02	4.442E-02	2.886E-02	4.099E-02	3.433E-02	2.725E-02	1.642E-02	2.232E-02	2.725E-02	4.925E-02
10	1.127E-02	1.545E-02	1.813E-02	1.363E-02	1.459E-02	9.356E-03	1.878E-02	2.167E-02	8.112E-03	1.427E-02
11	1.534E-02	2.039E-02	1.524E-02	6.835E-03	1.277E-02	1.105E-02	1.170E-02	1.384E-02	6.373E-03	1.867E-02
12	9.442E-03	1.234E-02	7.833E-03	1.459E-02	9.549E-03	1.448E-02	4.700E-03	9.871E-03	7.532E-03	1.867E-02
13	1.298E-02	1.792E-02	2.843E-02	5.268E-02	1.910E-02	1.867E-02	2.039E-02	1.513E-02	2.318E-02	1.202E-02
14	6.084E-02	1.084E-01	3.627E-02	3.412E-02	5.665E-02	4.249E-02	6.266E-02	6.180E-02	4.292E-02	5.912E-02
15	2.951E-03	1.352E-02	8.240E-03	1.567E-02	6.363E-03	6.803E-03	3.916E-03	1.974E-03	1.043E-02	6.567E-03
16	3.541E-03	6.170E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.833E-04	1.974E-03	1.159E-03	4.378E-03
17	8.852E-03	5.547E-03	7.833E-03	4.882E-03	7.006E-03	1.021E-02	1.018E-02	7.897E-03	4.056E-03	4.378E-03
18	4.485E-02	3.766E-02	3.004E-02	4.099E-02	5.279E-02	3.830E-02	3.133E-02	4.936E-02	3.015E-02	3.616E-02
19	1.663E-01	1.974E-01	9.356E-02	1.202E-01	1.427E-01	1.899E-01	1.706E-01	1.438E-01	1.026E-01	1.373E-01
20	5.901E-04	1.234E-03	8.240E-04	5.858E-03	1.277E-03	8.509E-04	7.833E-04	1.974E-03	2.897E-03	3.283E-03
21	1.298E-02	2.092E-02	1.685E-02	1.459E-02	1.341E-02	2.382E-02	1.491E-02	2.103E-02	1.159E-02	1.749E-02
22	1.770E-03	3.702E-03	2.060E-03	6.835E-03	4.453E-03	4.249E-03	1.567E-03	1.974E-03	2.318E-03	5.472E-03
23	3.895E-02	8.391E-02	2.350E-02	7.908E-02	4.388E-02	6.556E-02	4.775E-02	5.526E-02	4.582E-02	5.043E-02
24	1.212E-01	9.367E-02	7.092E-02	1.015E-01	8.788E-02	9.871E-02	1.042E-01	1.180E-01	7.479E-02	6.899E-02
25	3.015E-02	5.365E-02	1.899E-02	1.953E-02	1.406E-02	2.382E-02	2.275E-02	3.294E-02	1.685E-02	3.616E-02
26	1.534E-02	2.039E-02	9.067E-03	2.639E-02	2.039E-02	1.620E-02	2.972E-02	2.232E-02	2.371E-02	1.202E-02
27	7.672E-03	3.702E-03	5.773E-03	5.858E-03	1.910E-03	5.107E-03	3.916E-03	9.206E-03	6.373E-03	5.472E-03
28	2.715E-02	4.313E-02	2.725E-02	3.616E-02	2.994E-02	2.468E-02	2.511E-02	2.961E-02	2.371E-02	3.176E-02
29	3.895E-02	7.210E-02	2.843E-02	4.689E-02	4.324E-02	3.401E-02	4.775E-02	5.064E-02	3.884E-02	4.496E-02
30	1.057E-01	9.120E-02	8.863E-02	8.004E-02	8.916E-02	6.384E-02	9.163E-02	9.142E-02	6.609E-02	6.459E-02
31	1.341E-01	9.067E-02	7.747E-02	9.378E-02	8.852E-02	3.745E-02	9.399E-02	8.090E-02	9.099E-02	4.270E-02
32	7.672E-02	7.092E-02	9.485E-02	1.513E-01	7.639E-02	6.717E-02	7.672E-02	1.019E-01	4.925E-02	4.710E-02
33	1.245E-02	6.781E-03	1.159E-02	1.266E-02	1.459E-02	4.249E-03	1.255E-02	1.245E-02	8.691E-03	1.309E-02
34	7.361E-01	6.599E-01	6.343E-01	8.690E-01	8.111E-01	5.687E-01	6.860E-01	8.045E-01	5.987E-01	5.644E-01
35	8.208E-02	8.262E-02	7.296E-02	1.223E-01	9.227E-02	4.506E-02	9.163E-02	6.642E-02	1.223E-01	6.899E-02
36	5.901E-03	4.313E-03	1.072E-02	9.764E-03	5.097E-03	2.554E-03	5.483E-03	7.232E-03	9.850E-03	5.472E-03
37	2.071E-02	1.727E-02	1.320E-02	1.953E-02	1.341E-02	2.124E-02	1.330E-02	1.781E-02	1.738E-02	2.082E-02
38	2.425E-02	2.961E-02	2.800E-02	3.809E-02	2.414E-02	2.725E-02	3.916E-02	3.680E-02	2.607E-02	1.202E-02
39	6.202E-02	1.042E-01	7.414E-02	2.436E-02	7.704E-02	7.060E-02	8.380E-02	5.193E-02	7.940E-02	9.195E-02
40	1.738E-01	1.717E-01	1.234E-01	8.101E-02	1.427E-01	1.481E-01	1.813E-01	1.588E-01	1.470E-01	1.534E-01
41	3.015E-02	3.820E-02	1.899E-02	4.195E-02	3.948E-02	2.039E-02	3.133E-02	3.745E-02	3.594E-02	1.534E-02

	S	T	U	V	W	X	Y	Z	AA	AB
42	1.770E-03	6.170E-04	8.240E-04	1.953E-03	2.543E-03	5.955E-03	1.567E-03	1.974E-03	5.794E-04	5.472E-03
43	5.375E-03	6.790E-03	1.245E-02	2.083E-02	1.237E-02	1.204E-02	4.141E-03	8.205E-03	7.356E-03	7.870E-03
44	3.340E-01	4.308E-01	3.719E-01	6.303E-01	4.616E-01	5.225E-01	4.548E-01	7.996E-01	3.096E-01	3.072E-01
45	1.353E-01	2.586E-01	1.467E-01	2.493E-01	1.682E-01	2.290E-01	1.751E-01	3.113E-01	1.175E-01	1.445E-01
46	9.953E-02	1.103E-01	1.304E-01	3.908E-01	1.595E-01	1.502E-01	1.276E-01	2.133E-01	1.309E-01	1.132E-01
47	2.310E-01	3.127E-01	2.508E-01	5.067E-01	3.411E-01	3.565E-01	3.090E-01	5.499E-01	2.249E-01	2.194E-01
48	2.009E-02	3.961E-02	2.855E-02	3.909E-02	3.626E-02	3.266E-02	2.778E-02	5.092E-02	2.726E-02	2.204E-02
49	1.217E-02	2.217E-02	7.896E-03	2.176E-02	1.739E-02	1.713E-02	1.031E-02	2.428E-02	1.389E-02	1.024E-02
50	2.407E-03	7.536E-03	3.163E-03	6.790E-03	3.961E-03	5.915E-03	4.141E-03	5.041E-03	3.755E-03	1.049E-03
51	1.106E-01	5.375E-02	2.966E-01	1.257E-01	1.664E-01	1.834E-01	6.404E-02	1.085E-01	9.516E-02	1.103E-01
52	1.556E-03	1.183E-03	6.121E-03	4.912E-03	3.806E-03	4.475E-03	5.633E-04	1.733E-03	2.778E-03	3.138E-03
53	1.106E-01	9.542E-02	7.793E-02	1.175E-01	1.121E-01	1.049E-01	1.039E-01	1.103E-01	8.230E-02	8.050E-02
54	5.746E+00	5.833E+00	4.226E+00	2.962E+00	4.359E+00	4.479E+00	6.101E+00	5.184E+00	5.352E+00	4.568E+00
55	5.620E-01	4.202E-01	6.270E-01	4.093E-01	5.683E-01	5.366E-01	4.860E-01	5.369E-01	5.167E-01	4.555E-01
56	1.887E-01	2.184E-01	1.591E-01	1.151E-01	1.417E-01	1.767E-01	1.911E-01	1.769E-01	1.865E-01	1.515E-01
57	4.025E+00	2.911E+00	3.846E+00	2.456E+00	3.734E+00	3.780E+00	3.219E+00	3.439E+00	3.261E+00	3.070E+00
58	2.932E-02	3.266E-02	4.707E-02	8.770E-02	5.350E-02	4.681E-02	3.344E-02	5.118E-02	4.475E-02	3.421E-02
59	7.819E-02	6.764E-02	6.816E-02	4.990E-02	7.047E-02	7.279E-02	6.764E-02	6.713E-02	5.838E-02	5.453E-02
60	4.141E-02	4.192E-02	3.935E-02	4.732E-02	5.504E-02	5.633E-02	4.990E-02	5.787E-02	3.935E-02	3.729E-02
61	1.126E+00	1.157E+00	1.110E+00	5.268E-01	1.124E+00	9.090E-01	1.299E+00	1.103E+00	1.288E+00	9.738E-01
62	2.883E-01	4.896E-01	3.279E-01	2.577E-01	3.009E-01	3.616E-01	3.352E-01	3.337E-01	3.185E-01	3.308E-01
63	9.208E-03	1.271E-02	9.979E-03	1.170E-02	1.114E-02	1.101E-02	1.031E-02	1.546E-02	1.402E-02	1.024E-02
64	2.660E+00	2.984E+00	2.759E+00	1.767E+00	2.526E+00	2.331E+00	3.018E+00	2.634E+00	2.691E+00	2.474E+00
65	1.078E-01	1.499E-01	1.431E-01	1.526E-01	1.240E-01	1.294E-01	1.211E-01	1.547E-01	1.211E-01	1.024E-01
66	5.124E-01	4.295E-01	7.403E-01	4.819E-01	6.286E-01	4.958E-01	4.527E-01	5.139E-01	4.905E-01	4.345E-01
67	4.835E-02	5.118E-02	7.793E-02	1.432E-01	8.976E-02	7.870E-02	4.835E-02	9.516E-02	6.301E-02	5.272E-02
68	1.703E-01	2.082E-01	1.853E-01	3.225E-01	2.547E-01	2.086E-01	2.183E-01	2.491E-01	1.633E-01	1.749E-01
69	5.269E-01	5.452E-01	5.271E-01	2.701E-01	5.795E-01	3.722E-01	6.335E-01	4.715E-01	5.246E-01	4.783E-01
70	2.803E-02	2.906E-02	3.626E-02	4.038E-02	3.575E-02	3.395E-02	3.498E-02	4.167E-02	3.755E-02	2.546E-02
71	8.359E-03	1.211E-02	4.938E-03	7.253E-03	1.160E-02	8.359E-03	1.088E-02	1.355E-02	5.967E-03	8.410E-03
72	2.407E-03	4.887E-03	3.163E-03	3.498E-03	2.906E-03	5.092E-03	2.065E-03	3.318E-03	2.778E-03	1.839E-03
73	3.104E-03	1.298E-03	0.000E+00	0.000E+00	0.000E+00	3.578E-03	1.648E-03	6.919E-04	6.095E-04	0.000E+00
74	7.449E-03	7.133E-03	3.036E-03	3.081E-03	2.675E-03	6.264E-03	8.239E-03	7.607E-03	4.876E-03	1.151E-02
75	9.255E-02	5.971E-02	3.386E-02	1.196E-01	6.230E-02	2.506E-02	4.774E-02	2.980E-02	7.065E-02	6.332E-02
76	1.591E-01	9.797E-02	5.113E-02	2.438E-01	9.176E-02	4.210E-02	6.749E-02	4.910E-02	1.079E-01	8.521E-02
77	1.366E-02	1.230E-02	7.799E-03	1.749E-02	4.018E-03	3.578E-03	2.472E-03	6.919E-04	6.095E-03	1.037E-02
78	0.000E+00	6.490E-04	8.668E-04	4.108E-03	1.343E-03	0.000E+00	8.239E-04	1.388E-03	2.438E-03	1.151E-03
79	5.587E-03	0.000E+00	1.738E-03	1.027E-03	2.675E-03	2.686E-03	1.648E-03	0.000E+00	3.047E-03	2.302E-03
80	1.862E-03	6.490E-04	0.000E+00	3.081E-03	6.693E-04	0.000E+00	2.472E-03	2.077E-03	6.095E-04	4.605E-03
81	8.070E-03	7.788E-03	6.501E-03	1.851E-02	1.071E-02	8.059E-03	9.887E-03	6.230E-03	7.314E-03	1.037E-02
82	1.119E-02	3.239E-03	3.905E-03	4.108E-03	2.675E-03	2.686E-03	1.648E-03	2.077E-03	7.923E-03	5.756E-03

	S	T	U	V	W	X	Y	Z	AA	AB
83	3.104E-03	3.239E-03	1.298E-03	4.108E-03	0.000E+00	8.950E-04	5.767E-03	1.388E-03	4.266E-03	3.454E-03
84	4.345E-03	7.788E-03	6.501E-03	1.749E-02	6.693E-03	8.950E-03	8.239E-03	1.107E-02	1.467E-02	6.907E-03
85	4.966E-03	2.596E-03	4.334E-04	4.108E-03	3.352E-03	8.950E-04	2.472E-03	2.765E-03	0.000E+00	1.151E-03
86	2.111E-02	7.788E-03	5.632E-03	1.129E-02	8.702E-03	1.795E-03	9.063E-03	9.684E-03	9.142E-03	5.756E-03
87	7.020E-02	4.605E-02	3.465E-02	4.312E-02	2.540E-02	1.253E-02	2.472E-02	1.727E-02	3.905E-02	2.991E-02
88	4.345E-03	4.537E-03	7.370E-03	1.027E-02	6.693E-03	4.470E-03	5.767E-03	2.765E-03	3.657E-03	9.221E-03
89	2.302E-02	1.885E-02	8.668E-03	1.535E-02	9.379E-03	6.264E-03	1.321E-02	6.230E-03	1.704E-02	1.151E-02
90	4.537E-02	2.980E-02	3.160E-02	4.413E-02	1.535E-02	1.074E-02	1.151E-02	8.307E-03	4.142E-02	1.964E-02
91	5.587E-03	3.239E-03	3.036E-03	6.163E-03	2.675E-03	0.000E+00	2.472E-03	6.230E-03	7.314E-03	4.605E-03
92	2.359E-02	1.366E-02	5.632E-03	2.562E-02	1.411E-02	7.156E-03	4.120E-03	1.107E-02	1.036E-02	1.151E-02
93	2.427E-02	2.404E-02	8.239E-03	1.433E-02	9.379E-03	1.433E-02	1.896E-02	1.107E-02	9.752E-03	8.070E-03
94	1.242E-03	1.298E-03	1.738E-03	3.081E-03	3.352E-03	3.578E-03	5.767E-03	4.153E-03	3.047E-03	1.151E-03
95	1.433E-02	1.558E-02	6.501E-03	1.749E-02	1.806E-02	1.433E-02	1.569E-02	8.995E-03	1.467E-02	9.221E-03
96	9.932E-03	6.490E-03	4.774E-03	1.027E-02	5.361E-03	1.795E-03	8.239E-03	4.153E-03	4.266E-03	6.907E-03
97	4.966E-03	6.490E-03	2.167E-03	1.230E-02	3.352E-03	8.950E-04	9.887E-03	2.765E-03	6.704E-03	3.454E-03
98	1.614E-02	7.133E-03	5.203E-03	1.535E-02	7.370E-03	8.059E-03	1.230E-02	8.307E-03	1.467E-02	1.037E-02
99	1.006E-01	1.162E-01	9.332E-02	8.363E-02	8.007E-02	9.332E-02	5.371E-02	5.861E-02	1.093E-01	1.002E-01
100	3.311E-02	2.894E-02	3.066E-02	4.684E-02	4.660E-02	3.495E-02	3.850E-02	4.439E-02	4.500E-02	4.010E-02
101	2.207E-01	2.085E-01	1.386E-01	1.026E-01	1.729E-01	1.803E-01	2.158E-01	1.717E-01	1.337E-01	1.717E-01
102	5.212E-01	4.329E-01	5.359E-01	1.146E+00	5.898E-01	3.360E-01	4.966E-01	5.138E-01	7.811E-01	4.194E-01
103	3.127E-01	2.698E-01	1.386E-01	1.361E-01	2.661E-01	2.796E-01	2.722E-01	2.575E-01	1.803E-01	2.354E-01
104	2.428E-01	2.256E-01	2.771E-01	4.932E-01	2.403E-01	1.974E-01	2.158E-01	2.722E-01	3.029E-01	1.999E-01
105	7.456E-01	6.928E-01	6.873E-01	1.625E+00	8.819E-01	6.070E-01	9.585E-01	8.886E-01	1.015E+00	6.094E-01
106	1.521E-01	1.373E-01	2.281E-01	1.361E-01	1.496E-01	1.606E-01	1.373E-01	1.337E-01	1.631E-01	1.594E-01
107	1.127E-01	1.521E-01	1.288E-01	1.183E-01	1.012E-01	1.570E-01	1.337E-01	1.373E-01	1.398E-01	1.582E-01
108	1.533E-01	1.913E-01	1.582E-01	1.545E-01	1.754E-01	1.619E-01	1.704E-01	2.121E-01	1.803E-01	1.827E-01
109	6.070E-03	4.929E-03	6.597E-03	1.790E-02	9.454E-03	1.069E-02	7.161E-03	7.517E-03	1.126E-02	1.251E-02
110	3.446E-02	3.593E-02	3.863E-02	7.811E-03	3.127E-02	3.213E-02	3.495E-02	3.004E-02	1.852E-02	4.635E-02
111	2.833E-02	2.109E-02	2.256E-02	1.668E-02	1.962E-02	2.048E-02	1.251E-02	2.330E-02	9.933E-03	2.134E-02
112	1.079E-02	1.127E-02	1.084E-02	1.557E-02	1.741E-02	1.263E-02	1.606E-02	2.256E-02	1.594E-02	2.134E-02
113	6.070E-03	4.929E-03	3.299E-03	3.348E-03	8.007E-03	1.263E-02	4.476E-03	6.009E-03	5.297E-03	2.502E-03
114	5.395E-03	6.340E-03	4.709E-03	6.695E-03	8.731E-03	5.837E-03	7.161E-03	6.009E-03	7.946E-03	2.502E-03
115	8.768E-03	1.057E-02	8.952E-03	1.557E-02	1.962E-02	1.069E-02	1.704E-02	1.803E-02	6.622E-03	8.768E-03
116	2.023E-03	9.160E-03	2.820E-03	3.348E-03	7.272E-03	6.806E-03	8.952E-03	7.517E-03	4.635E-03	1.002E-02
117	1.692E-02	1.263E-02	1.459E-02	3.348E-03	1.606E-02	1.754E-02	1.876E-02	1.729E-02	1.192E-02	2.134E-02
118	9.442E-03	7.750E-03	8.007E-03	1.226E-02	8.007E-03	1.069E-02	5.371E-03	1.508E-02	1.459E-02	1.876E-02
119	8.768E-03	7.051E-03	9.418E-03	1.901E-02	1.668E-02	1.557E-02	1.074E-02	1.275E-02	9.933E-03	1.999E-02
120	8.768E-03	8.461E-03	8.473E-03	1.790E-02	1.091E-02	1.069E-02	9.847E-03	6.769E-03	4.635E-03	6.254E-03
121	1.692E-02	1.327E-02	3.535E-02	2.796E-02	4.559E-02	3.651E-02	6.162E-02	2.823E-02	6.215E-02	1.015E-01
122	4.648E-02	5.289E-02	1.799E-01	1.122E-01	1.095E-01	1.336E-01	6.162E-02	6.118E-02	1.122E-01	2.039E-01
123	1.897E+00	2.110E+00	2.306E+00	5.162E+00	3.375E+00	5.565E+00	3.419E+00	2.636E+00	2.511E+00	4.559E+00

	S	T	U	V	W	X	Y	Z	AA	AB
124	2.956E-02	2.208E-02	1.772E-02	8.379E-02	2.734E-02	9.172E-02	6.162E-02	9.439E-03	3.731E-02	9.439E-02
125	3.802E-02	4.408E-02	3.535E-02	7.685E-02	3.642E-02	1.158E-01	2.805E-02	0.000E+00	7.881E-02	7.053E-02
126	4.354E-01	6.972E-01	1.024E+00	3.633E-01	5.102E-01	8.032E-01	3.918E-01	3.482E-01	4.853E-01	1.220E+00
127	9.083E-01	1.122E+00	1.665E+00	2.021E+00	1.362E+00	2.012E+00	8.682E-01	8.994E-01	1.291E+00	2.431E+00
128	1.434E+00	1.656E+00	1.995E+00	3.464E+00	2.654E+00	3.428E+00	2.858E+00	2.867E+00	1.523E+00	3.428E+00
129	4.648E-02	6.616E-02	4.132E-02	5.592E-02	7.747E-02	6.091E-02	6.162E-02	4.239E-02	6.215E-02	7.053E-02
130	5.325E+00	6.762E+00	6.650E+00	3.954E+00	5.325E+00	6.616E+00	3.188E+00	2.867E+00	7.458E+00	1.131E+01
131	4.007E+00	6.881E+00	5.762E+00	3.688E+00	5.405E+00	4.452E+00	2.698E+00	2.992E+00	4.746E+00	6.874E+00
132	2.110E-02	3.090E-02	8.842E-02	1.674E-01	7.747E-02	5.476E-02	4.479E-02	5.174E-02	1.371E-01	7.053E-02
133	8.451E-03	1.327E-02	1.478E-02	2.796E-02	5.013E-02	3.651E-02	7.284E-02	1.416E-02	2.484E-02	3.918E-02
134	8.451E-03	3.972E-02	2.654E-02	2.093E-02	2.280E-02	4.871E-02	1.683E-02	1.416E-02	2.075E-02	5.485E-02
135	8.451E-03	1.763E-02	4.132E-02	1.398E-02	1.362E-02	3.651E-02	3.918E-02	3.295E-02	2.484E-02	3.134E-02
136	1.264E-02	3.090E-02	5.895E-03	2.796E-02	4.559E-03	1.825E-02	1.683E-02	2.823E-02	2.075E-02	1.567E-02
137	5.494E-02	3.090E-02	4.720E-02	4.889E-02	6.376E-02	6.091E-02	3.357E-02	5.174E-02	9.528E-02	5.485E-02
138	1.264E-02	1.327E-02	2.360E-02	4.194E-02	2.734E-02	3.651E-02	6.162E-02	1.879E-02	2.075E-02	1.567E-02
139	1.309E-01	2.511E-01	2.093E-01	1.603E-01	2.137E-01	3.108E-01	2.182E-01	1.834E-01	1.745E-01	3.215E-01
140	7.177E-02	1.104E-01	1.594E-01	1.541E-01	1.416E-01	1.701E-01	1.175E-01	1.416E-01	8.290E-02	1.959E-01
141	1.692E-02	6.180E-02	6.189E-02	1.184E-01	3.642E-02	4.871E-02	6.723E-02	1.416E-02	8.709E-02	8.620E-02
142	4.221E-03	1.327E-02	1.772E-02	3.491E-02	9.083E-03	2.431E-02	1.683E-02	2.351E-02	1.247E-02	3.918E-02
143	2.538E-02	1.327E-02	1.175E-02	4.194E-02	1.825E-02	3.651E-02	3.357E-02	1.416E-02	2.484E-02	1.567E-02
144	8.451E-03	1.327E-02	3.829E-02	1.398E-02	2.734E-02	2.431E-02	2.805E-02	2.351E-02	3.313E-02	2.351E-02
145	3.802E-02	1.327E-02	2.360E-02	2.796E-02	1.362E-02	5.476E-02	1.122E-02	2.351E-02	2.484E-02	2.351E-02
146	1.060E-01	1.371E-01	1.532E-01	6.287E-02	1.772E-01	2.796E-01	2.573E-01	2.021E-01	2.030E-01	1.959E-01
147	4.221E-02	9.261E-02	1.532E-01	7.685E-02	1.140E-01	1.647E-01	1.006E-01	1.131E-01	9.528E-02	1.336E-01
148	1.229E-01	2.208E-01	5.307E-01	3.980E-01	4.141E-01	7.124E-01	3.695E-01	3.998E-01	2.360E-01	4.470E-01
149	5.494E-02	8.825E-02	6.492E-02	4.889E-02	1.140E-01	1.220E-01	1.345E-01	8.468E-02	6.634E-02	1.015E-01
150	2.110E-02	2.208E-02	1.175E-02	1.398E-02	1.825E-02	5.476E-02	4.479E-02	2.351E-02	4.150E-03	2.351E-02
151	2.110E-02	1.763E-02	5.895E-03	1.398E-02	4.559E-03	2.431E-02	3.357E-02	1.879E-02	1.656E-02	4.702E-02
152	4.221E-03	2.208E-02	6.189E-02	2.796E-02	2.280E-02	3.045E-02	2.805E-02	2.823E-02	4.978E-02	7.053E-02
153	8.451E-03	1.763E-02	1.772E-02	3.491E-02	1.362E-02	3.651E-02	5.601E-03	1.879E-02	3.313E-02	3.918E-02
154	4.221E-03	0.000E+00	1.478E-02	3.491E-02	2.280E-02	1.220E-02	3.357E-02	9.439E-03	0.000E+00	3.918E-02
155	4.221E-02	4.408E-03	1.175E-02	6.981E-02	2.280E-02	0.000E+00	5.601E-03	9.439E-03	1.656E-02	5.485E-02
156	1.398E-01	2.689E-01	3.277E-01	2.093E-01	4.052E-01	5.476E-01	4.203E-01	3.482E-01	3.072E-01	3.295E-01
157	9.706E-02	1.541E-01	1.389E-01	8.379E-02	1.318E-01	2.556E-01	1.460E-01	1.273E-01	1.077E-01	1.015E-01
158	1.861E-01	2.467E-01	3.660E-01	2.306E-01	3.731E-01	4.871E-01	5.156E-01	4.657E-01	2.734E-01	3.606E-01
159	1.264E-02	5.735E-02	1.683E-01	8.379E-02	1.229E-01	1.888E-01	1.122E-01	1.416E-01	8.290E-02	1.407E-01
160	2.538E-02	1.327E-02	6.189E-02	5.592E-02	3.642E-02	4.871E-02	3.357E-02	5.174E-02	3.731E-02	3.134E-02
161	2.538E-02	4.408E-02	2.654E-02	6.287E-02	5.467E-02	4.265E-02	4.479E-02	4.239E-02	1.247E-02	7.053E-02
162	1.692E-02	2.645E-02	1.175E-02	5.592E-02	2.734E-02	4.871E-02	1.683E-02	3.295E-02	4.559E-02	5.485E-02
163	1.264E-02	8.825E-03	1.772E-02	6.287E-02	4.559E-02	3.045E-02	7.284E-02	2.351E-02	2.903E-02	3.134E-02
164	1.264E-02	2.645E-02	2.947E-03	2.796E-02	2.280E-02	1.825E-02	3.357E-02	1.416E-02	2.903E-02	3.134E-02

	S	T	U	V	W	X	Y	Z	AA	AB
165	1.264E-02	6.180E-02	1.175E-02	9.083E-02	1.362E-02	6.696E-02	4.479E-02	3.295E-02	4.559E-02	3.918E-02
166	2.538E-02	3.972E-02	5.013E-02	6.287E-02	3.642E-02	6.696E-02	6.162E-02	3.295E-02	1.656E-02	7.053E-02
167	6.759E-02	1.541E-01	1.772E-01	9.795E-02	1.772E-01	2.066E-01	3.028E-01	2.591E-01	1.656E-01	2.271E-01
168	8.451E-02	7.943E-02	1.033E-01	1.122E-01	1.273E-01	1.158E-01	8.994E-02	2.075E-01	1.033E-01	1.959E-01
169	8.451E-03	5.735E-02	5.307E-02	4.194E-02	6.830E-02	7.916E-02	2.244E-02	6.118E-02	6.215E-02	8.620E-02
170	2.110E-02	2.645E-02	1.478E-02	6.287E-02	5.467E-02	4.265E-02	4.479E-02	6.589E-02	7.462E-02	9.439E-02
171	2.110E-02	3.090E-02	5.307E-02	6.287E-02	5.467E-02	9.172E-02	4.479E-02	7.533E-02	6.634E-02	3.918E-02
172	9.773E-02	5.592E-02	1.570E-01	1.803E-01	1.059E-01	1.337E-01	3.863E-02	8.105E-02	7.247E-02	1.057E-01
173	2.304E+00	2.526E+00	2.282E+00	3.649E+00	3.033E+00	3.360E+00	2.554E+00	2.804E+00	2.186E+00	3.153E+00
174	4.172E+00	4.409E+00	3.351E+00	5.213E+00	4.714E+00	5.293E+00	4.472E+00	4.906E+00	3.545E+00	5.426E+00
175	8.860E-01	1.080E+00	9.912E-01	1.594E+00	1.027E+00	1.377E+00	8.000E-01	1.008E+00	9.734E-01	1.147E+00
176	3.703E+00	2.804E+00	3.091E+00	5.316E+00	3.931E+00	4.166E+00	3.029E+00	2.701E+00	3.396E+00	5.833E+00
177	1.064E+00	1.605E+00	1.424E+00	1.606E+00	1.523E+00	1.407E+00	8.093E-01	7.356E-01	1.339E+00	1.860E+00
178	2.085E-01	2.354E-01	4.513E-01	2.636E-01	2.072E-01	2.538E-01	8.878E-02	1.484E-01	2.146E-01	3.225E-01
179	2.906E-02	3.519E-02	5.236E-02	2.698E-02	2.698E-02	4.108E-02	2.857E-02	2.269E-02	2.170E-02	8.633E-02
180	2.563E-02	1.154E-02	2.440E-02	4.525E-02	2.379E-02	3.274E-02	1.545E-02	3.433E-02	2.403E-02	4.206E-02
181	1.864E-02	1.582E-02	2.440E-02	4.034E-02	1.754E-02	2.600E-02	1.386E-02	2.403E-02	1.594E-02	2.587E-02
182	6.806E-02	6.254E-02	9.467E-02	2.771E-01	8.841E-02	7.885E-02	7.787E-02	6.671E-02	1.165E-01	1.036E-01
183	1.033E+00	9.768E-01	1.844E+00	3.148E+00	1.457E+00	1.397E+00	9.991E-01	1.329E+00	1.877E+00	1.408E+00
184	1.108E+00	1.087E+00	1.809E+00	3.240E+00	1.623E+00	1.479E+00	1.231E+00	1.279E+00	2.152E+00	1.577E+00
185	8.682E-01	7.915E-01	1.303E+00	2.432E+00	1.085E+00	9.651E-01	9.312E-01	1.053E+00	1.519E+00	1.069E+00
186	2.193E+00	1.721E+00	2.942E+00	4.803E+00	2.247E+00	2.138E+00	2.126E+00	2.459E+00	3.255E+00	3.005E+00
187	4.684E-01	4.329E-01	7.780E-01	1.171E+00	5.628E-01	5.101E-01	4.022E-01	5.248E-01	7.664E-01	5.714E-01
188	3.728E-02	4.378E-02	6.818E-02	1.275E-01	5.138E-02	4.611E-02	4.476E-02	4.083E-02	8.277E-02	4.427E-02
189	6.401E-03	7.897E-03	1.950E-02	3.078E-02	1.631E-02	1.337E-02	9.258E-03	8.424E-03	1.717E-02	1.508E-02
190	2.256E-01	1.778E-01	3.397E-01	2.587E-01	2.109E-01	3.164E-01	1.803E-01	1.631E-01	2.649E-01	3.213E-01
191	1.972E+00	2.256E+00	3.413E+00	2.827E+00	2.751E+00	2.146E+00	1.558E+00	1.285E+00	3.441E+00	3.225E+00
192	5.567E-01	5.555E-01	1.527E+00	7.407E-01	6.070E-01	6.475E-01	3.200E-01	3.826E-01	8.044E-01	8.694E-01
193	7.676E-02	6.070E-02	1.815E-01	1.324E-01	7.026E-02	8.719E-02	6.867E-02	7.198E-02	1.034E-01	1.508E-01
194	9.712E-02	7.051E-02	9.945E-02	2.072E-01	8.473E-02	1.123E-01	1.373E-01	1.212E-01	1.484E-01	1.226E-01
195	2.906E-02	4.194E-02	4.267E-02	7.308E-02	4.451E-02	5.371E-02	6.168E-02	5.579E-02	4.684E-02	3.237E-02
196	1.251E-01	1.496E-01	2.624E-01	2.158E-01	1.643E-01	1.361E-01	8.020E-02	1.115E-01	1.803E-01	1.079E-01
197	1.001E-01	8.510E-02	1.901E-01	1.312E-01	1.023E-01	1.048E-01	7.333E-02	7.259E-02	1.398E-01	1.036E-01
198	5.874E-02	5.101E-02	1.300E-01	9.332E-02	7.909E-02	7.382E-02	3.630E-02	3.115E-02	6.168E-02	1.090E-01
199	1.105E-01	5.714E-02	1.226E-01	2.465E-01	1.606E-01	1.251E-01	9.871E-02	8.486E-02	2.354E-01	2.526E-01
200	6.695E-02	4.733E-02	8.118E-02	1.643E-01	7.971E-02	8.547E-02	7.480E-02	6.941E-02	1.159E-01	1.373E-01
201	5.064E-02	4.672E-02	5.690E-02	8.081E-02	5.641E-02	6.879E-02	7.174E-02	8.302E-02	7.480E-02	7.235E-02
202	1.631E-02	4.856E-03	6.904E-03	1.545E-02	1.876E-02	1.594E-02	1.778E-02	1.226E-02	1.594E-02	3.887E-02
203	1.164E-03	1.215E-03	1.218E-03	2.882E-03	6.278E-04	2.514E-03	0.000E+00	1.300E-03	5.714E-04	4.316E-03
204	2.502E-02	1.154E-02	4.868E-03	2.502E-02	2.134E-02	1.766E-02	1.003E-02	1.300E-02	2.060E-02	2.808E-02
205	1.164E-03	6.070E-04	1.619E-03	2.882E-03	1.876E-03	3.348E-03	1.545E-03	2.587E-03	5.714E-04	0.000E+00

	S	T	U	V	W	X	Y	Z	AA	AB
206	3.728E-02	1.154E-02	1.137E-02	2.784E-02	4.390E-02	3.102E-02	2.551E-02	1.496E-02	3.139E-02	6.364E-02
207	6.977E-03	1.275E-02	6.094E-03	2.023E-02	8.780E-03	5.028E-03	1.386E-02	8.424E-03	8.559E-03	1.187E-02
208	5.812E-03	6.070E-04	4.868E-03	1.058E-02	8.780E-03	6.708E-03	1.080E-02	4.537E-03	3.998E-03	5.395E-03
209	0.000E+00	1.215E-03	1.619E-03	0.000E+00	6.278E-04	0.000E+00	0.000E+00	0.000E+00	1.142E-03	1.079E-03
210	5.812E-04	1.827E-03	4.059E-04	0.000E+00	6.278E-04	1.680E-03	2.318E-03	2.587E-03	2.281E-03	0.000E+00
211	5.812E-04	0.000E+00	4.059E-04	1.925E-03	0.000E+00	1.680E-03	7.713E-04	2.587E-03	1.142E-03	3.237E-03
212	1.741E-03	1.827E-03	2.440E-03	0.000E+00	6.278E-03	5.028E-03	6.941E-03	6.487E-03	3.998E-03	3.237E-03
213	4.071E-03	2.428E-03	3.250E-03	9.614E-03	3.765E-03	2.514E-03	7.713E-04	1.300E-03	5.138E-03	1.079E-02
214	1.164E-03	3.041E-03	2.036E-03	5.776E-03	3.139E-03	8.387E-04	3.863E-03	5.837E-03	1.717E-03	5.395E-03
215	5.812E-04	1.215E-03	4.059E-04	2.882E-03	1.876E-03	8.387E-04	7.713E-04	1.300E-03	1.717E-03	1.079E-03
216	5.812E-04	6.070E-04	8.118E-04	0.000E+00	6.278E-04	0.000E+00	0.000E+00	1.300E-03	1.717E-03	1.079E-03
217	0.000E+00	6.070E-04	8.118E-04	9.614E-04	0.000E+00	8.387E-04	1.545E-03	6.487E-04	0.000E+00	0.000E+00
218	1.170E+00	1.153E+00	2.090E+00	3.584E+00	1.774E+00	1.449E+00	1.267E+00	1.529E+00	2.212E+00	1.592E+00
219	1.337E-02	9.724E-03	2.845E-02	3.372E-02	2.318E-02	1.766E-02	1.619E-02	1.300E-02	2.232E-02	1.619E-02
220	1.308E+00	1.147E+00	2.839E+00	1.996E+00	2.025E+00	2.146E+00	5.878E-01	1.156E+00	9.769E-01	2.036E+00
221	7.024E+01	7.060E+01	6.094E+01	7.598E+01	7.419E+01	6.549E+01	6.237E+01	6.445E+01	5.577E+01	7.513E+01
222	5.007E+01	7.296E+01	5.099E+01	3.703E+01	4.842E+01	5.418E+01	5.211E+01	5.257E+01	4.199E+01	6.062E+01
223	2.812E+01	3.045E+01	3.128E+01	2.609E+01	3.177E+01	3.268E+01	2.295E+01	2.925E+01	2.095E+01	3.212E+01
224	2.373E+01	2.392E+01	2.229E+01	2.954E+01	2.913E+01	2.069E+01	2.348E+01	2.368E+01	1.862E+01	2.404E+01
225	1.402E+01	1.760E+01	1.559E+01	1.028E+01	1.743E+01	1.284E+01	1.453E+01	1.421E+01	1.436E+01	1.585E+01
226	6.183E+00	1.150E+01	6.246E+00	3.125E+00	7.941E+00	4.662E+00	5.246E+00	4.459E+00	5.143E+00	6.023E+00
227	2.063E+00	3.352E+00	2.619E+00	1.124E+00	2.496E+00	1.899E+00	1.594E+00	1.643E+00	1.503E+00	1.934E+00
228	4.628E-01	2.701E-01	7.319E-01	5.152E-01	5.952E-01	5.580E-01	4.355E-01	3.428E-01	4.699E-01	4.847E-01
229	4.766E-01	3.078E-01	7.861E-01	5.103E-01	6.410E-01	5.972E-01	4.662E-01	3.388E-01	4.774E-01	4.993E-01
230	4.693E+01	4.748E+01	2.487E+01	2.533E+01	4.414E+01	4.667E+01	4.865E+01	3.221E+01	3.334E+01	3.614E+01
231	4.758E+00	4.941E+00	5.033E+00	3.521E+00	5.604E+00	5.996E+00	5.587E+00	3.402E+00	4.004E+00	3.995E+00
232	2.448E+00	1.763E+00	1.598E+00	1.604E+00	1.858E+00	2.170E+00	2.608E+00	1.513E+00	2.121E+00	2.196E+00
233	7.551E+00	5.365E+00	6.173E+00	4.202E+00	5.835E+00	5.969E+00	7.177E+00	4.864E+00	5.363E+00	5.051E+00
234	1.775E+01	1.071E+01	2.606E+01	1.999E+01	2.083E+01	2.103E+01	1.861E+01	1.637E+01	1.566E+01	1.445E+01
235	1.060E+01	9.089E+00	1.015E+01	1.326E+01	1.162E+01	1.122E+01	1.154E+01	8.316E+00	1.343E+01	8.861E+00
236	9.200E-01	9.947E-01	8.192E-01	8.570E-01	8.543E-01	9.684E-01	9.325E-01	7.495E-01	1.053E+00	1.081E+00
237	3.760E+00	5.407E+00	5.075E+00	2.816E+00	2.865E+00	5.095E+00	3.295E+00	2.614E+00	4.065E+00	4.724E+00
238	6.587E+00	5.466E+00	6.757E+00	6.508E+00	5.587E+00	7.124E+00	5.923E+00	5.446E+00	7.165E+00	6.134E+00
239	1.606E+00	1.292E+00	1.309E+00	1.391E+00	1.294E+00	1.643E+00	1.468E+00	1.083E+00	1.514E+00	1.297E+00
240	1.510E+01	8.998E+00	1.817E+01	2.199E+01	1.493E+01	1.770E+01	1.663E+01	2.691E+01	2.239E+01	2.112E+01
241	2.010E+02	2.396E+02	2.310E+02	2.690E+02	1.946E+02	2.160E+02	2.324E+02	2.481E+02	2.409E+02	2.235E+02
242	1.324E+02	1.172E+02	1.926E+02	1.938E+02	1.496E+02	1.456E+02	1.219E+02	1.553E+02	1.614E+02	1.449E+02
243	1.232E+01	1.036E+01	1.901E+01	1.653E+01	1.401E+01	1.318E+01	1.069E+01	1.343E+01	1.542E+01	1.338E+01
244	6.392E+00	1.000E+01	1.010E+01	6.663E+00	8.845E+00	8.698E+00	6.558E+00	6.647E+00	9.772E+00	8.218E+00
245	4.156E+00	5.917E+00	6.711E+00	4.192E+00	4.149E+00	5.296E+00	3.740E+00	4.231E+00	4.752E+00	5.042E+00
246	7.379E+00	6.829E+00	6.676E+00	9.275E+00	5.443E+00	7.197E+00	7.422E+00	5.911E+00	8.690E+00	7.882E+00

	S	T	U	V	W	X	Y	Z	AA	AB
247	5.664E+00	3.787E+00	4.635E+00	6.400E+00	4.089E+00	4.789E+00	4.935E+00	3.434E+00	4.880E+00	5.262E+00
248	5.111E+01	6.374E+01	8.473E+01	5.652E+01	6.226E+01	4.773E+01	5.726E+01	6.526E+01	8.491E+01	5.478E+01
249	4.125E+01	5.031E+01	1.001E+02	5.693E+01	4.810E+01	4.532E+01	3.525E+01	6.314E+01	6.343E+01	4.568E+01
250	9.263E+01	1.101E+02	1.395E+02	1.478E+02	1.046E+02	9.496E+01	1.018E+02	1.158E+02	1.211E+02	1.082E+02
251	4.549E+01	3.923E+01	6.201E+01	6.549E+01	4.913E+01	4.350E+01	4.191E+01	4.652E+01	4.987E+01	5.060E+01
252	3.197E+00	2.633E+00	4.260E+00	4.480E+00	3.752E+00	3.292E+00	3.097E+00	3.243E+00	3.605E+00	3.434E+00
253	2.985E+00	4.455E+00	3.751E+00	3.637E+00	3.978E+00	3.553E+00	3.332E+00	3.283E+00	3.862E+00	3.351E+00
254	6.167E+00	9.350E+00	8.854E+00	7.192E+00	8.288E+00	7.580E+00	6.648E+00	7.755E+00	8.823E+00	7.151E+00
255	6.765E+00	8.758E+00	8.711E+00	7.107E+00	8.174E+00	8.614E+00	6.878E+00	7.489E+00	8.745E+00	6.852E+00
256	2.926E+00	2.914E+00	3.496E+00	4.558E+00	2.850E+00	3.186E+00	2.706E+00	2.633E+00	3.855E+00	2.988E+00
257	6.736E+00	5.673E+00	3.901E+00	6.404E+00	5.224E+00	5.402E+00	5.917E+00	4.350E+00	5.408E+00	6.176E+00
258	1.628E+01	2.194E+01	2.919E+01	1.589E+01	2.002E+01	1.439E+01	1.627E+01	1.755E+01	2.280E+01	1.720E+01
259	2.818E+01	3.220E+01	5.035E+01	3.734E+01	3.758E+01	2.480E+01	3.213E+01	3.383E+01	4.322E+01	3.200E+01
260	3.335E+01	2.824E+01	5.005E+01	3.470E+01	3.538E+01	2.834E+01	2.846E+01	3.326E+01	3.565E+01	3.151E+01
261	4.307E+01	3.675E+01	2.768E+01	3.357E+01	4.538E+01	4.390E+01	4.086E+01	4.223E+01	3.243E+01	3.986E+01
262	1.637E+01	1.357E+01	1.148E+01	1.290E+01	1.506E+01	1.610E+01	1.276E+01	1.360E+01	1.137E+01	1.568E+01
263	2.359E+00	3.463E+00	2.676E+00	2.447E+00	2.568E+00	2.328E+00	2.371E+00	1.986E+00	3.120E+00	2.278E+00
264	2.561E+00	2.923E+00	2.544E+00	3.983E+00	2.777E+00	2.432E+00	2.563E+00	2.168E+00	3.680E+00	2.763E+00
265	2.023E+00	2.004E+00	2.139E+00	3.481E+00	2.131E+00	2.102E+00	1.957E+00	1.781E+00	3.106E+00	2.096E+00
266	2.718E+00	1.382E+00	1.681E+00	4.896E+00	2.606E+00	2.247E+00	2.638E+00	2.575E+00	3.932E+00	3.062E+00
267	3.032E+00	1.621E+00	1.606E+00	4.049E+00	2.626E+00	2.610E+00	2.935E+00	2.687E+00	3.294E+00	2.800E+00
268	8.040E+00	1.067E+01	1.345E+01	8.757E+00	1.216E+01	5.804E+00	7.862E+00	7.045E+00	1.208E+01	7.223E+00
269	6.654E+00	5.580E+00	9.512E+00	9.087E+00	8.161E+00	4.624E+00	5.424E+00	5.528E+00	9.734E+00	7.817E+00
270	2.871E+00	2.296E+00	4.481E+00	4.973E+00	3.390E+00	2.368E+00	2.320E+00	2.583E+00	4.357E+00	3.474E+00
271	1.943E+01	1.716E+01	9.624E+00	9.074E+00	1.533E+01	1.439E+01	1.910E+01	1.216E+01	1.378E+01	1.540E+01
272	1.128E+02	1.176E+02	5.657E+01	6.823E+01	1.060E+02	1.135E+02	1.203E+02	8.403E+01	8.507E+01	1.015E+02
273	1.234E+02	1.285E+02	6.067E+01	7.104E+01	1.174E+02	1.227E+02	1.306E+02	9.165E+01	8.934E+01	1.059E+02
274	1.836E+01	1.840E+01	8.447E+00	1.040E+01	1.867E+01	1.967E+01	2.114E+01	1.365E+01	1.304E+01	1.619E+01
275	1.249E+00	7.827E-01	4.320E-01	5.695E-01	8.633E-01	8.181E-01	9.553E-01	7.914E-01	7.859E-01	8.029E-01
276	1.558E+01	8.614E+00	6.717E+00	6.863E+00	1.053E+01	1.098E+01	1.444E+01	9.898E+00	1.084E+01	9.217E+00
277	3.448E+01	2.021E+01	1.660E+01	2.530E+01	3.094E+01	3.238E+01	4.149E+01	2.913E+01	2.485E+01	2.331E+01
278	3.480E+01	2.050E+01	1.673E+01	2.432E+01	3.037E+01	3.244E+01	4.136E+01	2.892E+01	2.399E+01	2.269E+01
279	7.436E+00	3.582E+00	8.490E+00	8.634E+00	9.004E+00	9.345E+00	9.765E+00	7.581E+00	6.495E+00	5.523E+00
280	7.848E+00	5.546E+00	5.931E+00	6.522E+00	6.075E+00	7.336E+00	7.268E+00	9.064E+00	8.004E+00	8.278E+00
281	1.047E+02	1.153E+02	1.104E+02	1.186E+02	9.348E+01	1.075E+02	1.135E+02	1.192E+02	1.311E+02	1.244E+02
282	9.480E+01	1.022E+02	9.922E+01	9.849E+01	8.238E+01	9.509E+01	1.005E+02	1.026E+02	1.131E+02	1.069E+02
283	4.128E+01	3.282E+01	5.760E+01	5.138E+01	4.263E+01	4.381E+01	3.437E+01	4.482E+01	5.015E+01	4.480E+01
284	7.759E+00	5.459E+00	4.636E+00	4.876E+00	4.866E+00	6.173E+00	6.615E+00	4.360E+00	5.564E+00	7.634E+00
285	7.476E+01	7.918E+01	7.611E+01	7.871E+01	7.196E+01	7.137E+01	7.324E+01	7.394E+01	7.209E+01	7.399E+01
286	6.425E+01	6.317E+01	5.965E+01	5.618E+01	5.761E+01	5.820E+01	5.555E+01	5.762E+01	5.545E+01	5.924E+01
287	9.163E+00	6.940E+00	1.092E+01	1.083E+01	8.778E+00	8.538E+00	7.666E+00	8.235E+00	9.033E+00	8.206E+00

	S	T	U	V	W	X	Y	Z	AA	AB
288	8.822E+01	7.083E+01	4.597E+01	5.557E+01	8.699E+01	8.898E+01	8.329E+01	8.477E+01	6.399E+01	7.570E+01
289	7.412E+01	5.959E+01	3.516E+01	4.429E+01	7.261E+01	7.278E+01	6.659E+01	6.864E+01	5.050E+01	6.139E+01
290	3.179E+01	2.756E+01	1.784E+01	1.487E+01	2.800E+01	3.150E+01	2.404E+01	2.573E+01	1.710E+01	2.703E+01
291	2.678E+01	2.227E+01	1.386E+01	1.032E+01	2.216E+01	2.585E+01	1.928E+01	1.959E+01	1.309E+01	2.223E+01
292	2.927E+00	2.393E+00	2.089E+00	2.992E+00	2.553E+00	2.810E+00	2.289E+00	2.369E+00	2.447E+00	2.620E+00
293	2.336E+00	9.761E-01	1.190E+00	2.894E+00	2.190E+00	1.867E+00	2.197E+00	2.180E+00	2.503E+00	2.547E+00
294	1.894E+00	1.593E+00	2.639E+00	7.779E+00	1.870E+00	1.680E+00	1.642E+00	1.915E+00	2.755E+00	1.715E+00
295	1.965E+00	1.597E+00	2.772E+00	7.802E+00	1.897E+00	1.623E+00	1.602E+00	1.900E+00	2.789E+00	1.772E+00
296	1.226E+00	9.178E-01	2.190E+00	5.941E+00	1.340E+00	1.059E+00	9.374E-01	1.164E+00	1.819E+00	1.014E+00
297	4.859E-01	5.126E-01	4.046E-01	6.766E-01	4.084E-01	5.294E-01	6.741E-01	4.706E-01	4.595E-01	3.810E-01
298	2.660E-02	1.864E-02	1.180E-02	1.414E-02	1.899E-02	2.467E-02	3.604E-02	2.210E-02	1.442E-02	1.660E-02
299	1.832E-01	7.851E-02	1.253E-01	2.462E-01	1.294E-01	1.731E-01	3.108E-01	2.230E-01	1.536E-01	8.838E-02
300	1.158E-02	4.762E-03	4.505E-03	9.782E-03	7.380E-03	1.188E-02	2.381E-02	8.366E-03	5.899E-03	4.741E-03
301	1.113E-01	7.701E-02	7.701E-02	1.088E-01	8.216E-02	9.010E-02	1.716E-01	1.216E-01	7.337E-02	6.693E-02
302	2.917E-02	2.231E-02	1.753E-02	4.955E-02	2.188E-02	4.033E-02	4.548E-02	8.195E-02	7.809E-03	2.403E-02
303	3.811E-01	4.036E-01	4.087E-01	2.647E-01	2.850E-01	3.083E-01	4.403E-01	4.520E-01	2.358E-01	2.908E-01
304	6.800E-03	5.213E-03	6.071E-03	1.630E-02	3.583E-03	8.388E-03	1.036E-02	1.210E-02	4.333E-03	3.454E-03
305	6.624E-01	5.337E-01	3.466E-01	5.918E-01	5.735E-01	5.851E-01	8.341E-01	9.356E-01	5.205E-01	4.901E-01
306	4.526E-02	3.089E-02	2.012E-02	2.982E-02	4.827E-02	4.376E-02	6.307E-02	6.200E-02	2.424E-02	4.162E-02
307	3.081E+00	2.747E+00	1.816E+00	3.233E-01	1.564E+00	1.902E+00	2.370E+00	2.422E+00	1.012E+00	2.569E+00
308	4.419E-02	4.591E-02	2.252E-02	7.616E-03	2.617E-02	3.711E-02	4.290E-02	4.162E-02	1.718E-02	3.904E-02
309	1.103E-02	6.071E-03	4.848E-03	5.427E-03	8.216E-03	7.229E-03	1.523E-02	1.118E-02	6.779E-03	5.814E-03
310	3.668E-03	4.119E-03	3.990E-03	9.246E-03	2.746E-03	3.733E-03	5.792E-03	3.111E-03	2.424E-03	1.941E-03
311	2.210E-03	1.950E-03	8.667E-04	3.261E-03	6.328E-04	3.497E-03	1.218E-03	3.111E-04	1.043E-03	1.079E-03
312	5.513E-04	4.333E-04	6.929E-04	1.630E-03	0.000E+00	1.399E-03	3.046E-04	3.111E-04	0.000E+00	2.167E-04
313	2.473E-01	2.348E-01	1.047E-01	3.583E-02	2.289E-01	2.982E-01	3.102E-01	1.830E-01	8.581E-02	2.134E-01
314	1.343E-02	8.238E-03	4.677E-03	5.985E-03	1.139E-02	1.281E-02	1.188E-02	9.932E-03	4.505E-03	1.013E-02
315	4.290E-02	4.955E-02	2.117E-02	2.274E-02	3.840E-02	6.586E-02	6.950E-02	3.604E-02	1.667E-02	3.432E-02
316	1.838E-03	1.517E-03	1.040E-03	1.630E-03	1.688E-03	2.098E-03	3.347E-03	9.310E-04	5.213E-04	1.079E-03
317	3.583E-02	3.947E-02	2.488E-02	9.782E-03	3.990E-02	4.419E-02	4.762E-02	3.454E-02	1.405E-02	2.360E-02
318	2.574E-03	1.733E-03	1.388E-03	5.427E-04	3.368E-03	2.098E-03	4.870E-03	3.411E-03	1.043E-03	2.810E-03
319	3.183E-01	3.917E-01	2.128E-01	5.213E-02	2.550E-01	3.770E-01	3.498E-01	2.221E-01	8.409E-02	2.589E-01
320	9.203E-04	1.517E-03	5.213E-04	1.088E-03	8.431E-04	6.993E-04	1.523E-03	1.240E-03	8.688E-04	1.941E-03
321	3.449E-01	2.950E-01	1.328E-01	4.719E-02	3.172E-01	4.220E-01	4.105E-01	2.714E-01	1.306E-01	2.568E-01
322	9.375E-03	8.023E-03	6.071E-03	2.167E-03	8.023E-03	1.630E-02	1.401E-02	8.688E-03	3.304E-03	6.028E-03
323	3.655E-01	4.090E-01	2.215E-01	5.642E-02	3.185E-01	5.051E-01	3.306E-01	2.382E-01	9.332E-02	3.130E-01
324	8.281E-03	1.040E-02	6.414E-03	5.985E-03	9.074E-03	1.678E-02	1.218E-02	8.688E-03	2.960E-03	6.693E-03
325	1.489E-02	1.733E-02	9.546E-03	1.467E-02	1.139E-02	1.725E-02	2.231E-02	2.047E-02	1.023E-02	9.482E-03
326	1.472E-03	1.300E-03	5.213E-04	0.000E+00	1.055E-03	1.864E-03	2.746E-03	3.111E-03	6.950E-04	1.510E-03
327	1.489E-02	2.274E-02	1.214E-02	1.847E-02	1.961E-02	2.724E-02	3.111E-02	3.540E-02	1.006E-02	1.487E-02
328	1.654E-03	2.381E-03	2.596E-03	1.630E-03	2.109E-03	1.399E-03	3.046E-03	2.167E-03	1.043E-03	1.941E-03

	S	T	U	V	W	X	Y	Z	AA	AB
329	7.652E-01	7.034E-01	2.828E-01	6.414E-02	5.244E-01	7.316E-01	7.826E-01	3.887E-01	2.512E-01	6.718E-01
330	7.916E-03	7.144E-03	3.647E-03	3.797E-03	7.809E-03	7.465E-03	9.139E-03	5.277E-03	3.132E-03	6.243E-03
331	5.642E-02	5.642E-02	3.132E-02	2.066E-02	4.741E-02	7.851E-02	7.916E-02	6.479E-02	2.596E-02	4.205E-02
332	1.654E-03	8.667E-04	6.929E-04	2.167E-03	1.899E-03	1.630E-03	5.170E-03	3.733E-03	1.043E-03	8.624E-04
333	2.982E-02	3.196E-02	1.838E-02	1.521E-02	3.518E-02	3.818E-02	4.569E-02	4.505E-02	1.598E-02	2.574E-02
334	1.838E-04	2.167E-04	1.735E-04	5.427E-04	4.226E-04	6.993E-04	9.139E-04	2.167E-03	3.475E-04	0.000E+00
335	8.431E-02	9.525E-02	3.776E-02	1.956E-02	5.728E-02	9.460E-02	9.332E-02	6.114E-02	2.510E-02	6.693E-02
336	3.132E-03	2.596E-03	2.081E-03	4.355E-03	1.899E-03	3.733E-03	3.969E-03	4.033E-03	1.388E-03	1.725E-03
337	1.362E-01	1.429E-01	4.398E-02	2.119E-02	1.274E-01	2.122E-01	1.658E-01	1.064E-01	5.170E-02	1.343E-01
338	3.497E-03	3.025E-03	2.252E-03	5.427E-04	3.583E-03	3.497E-03	3.046E-03	2.488E-03	8.688E-04	3.025E-03
339	8.388E-02	9.997E-02	3.132E-02	1.630E-02	6.607E-02	1.103E-01	8.045E-02	5.578E-02	2.231E-02	7.208E-02
340	4.054E-03	3.475E-03	2.252E-03	1.630E-03	3.368E-03	4.655E-03	6.092E-03	4.655E-03	2.424E-03	3.025E-03
341	1.049E-02	6.929E-03	4.162E-03	1.630E-02	7.809E-03	9.782E-03	1.036E-02	9.310E-03	5.041E-03	8.624E-03
342	3.668E-04	1.300E-03	3.475E-04	5.427E-04	1.266E-03	2.098E-03	1.523E-03	2.167E-03	8.688E-04	6.479E-04
343	9.375E-03	9.310E-03	8.495E-03	1.577E-02	1.182E-02	1.841E-02	1.553E-02	1.334E-02	8.688E-03	9.482E-03
344	1.838E-04	6.500E-04	1.735E-04	1.630E-03	0.000E+00	0.000E+00	3.046E-04	3.111E-04	1.735E-04	4.312E-04

	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
1	**CA265**	**CA254**	**14586**	**14523**	**14537**	**14671**	**14658**	**14651**	**14648**	**CA419**	**CA266**
2	**Control**	**Control**	**Late Malignant**	**Late Malignant**	**Late Malignant**	**Late Malignant**	**Late Malignant**	**Late Malignant**	**Late Malignant**	**Control**	**Control**
3	0	0	3	3	3	3	3	3	3	0	0
4	1	1	-1	-1	-1	-1	-1	-1	-1	1	1
5	2.205E+00	3.422E+00	2.683E+00	1.466E+00	1.271E+00	2.460E+00	2.367E+00	1.912E+00	2.197E+00	2.327E+00	3.151E+00
6	1.140E+00	1.267E+00	1.058E+00	4.710E-01	3.112E-01	1.323E+00	5.354E-01	5.279E-01	1.418E+00	2.075E+00	1.943E+00
7	2.693E-01	5.783E-01	4.356E-01	2.854E-01	1.202E-01	3.498E-01	3.101E-01	2.661E-01	3.691E-01	3.723E-01	3.562E-01
8	1.965E+00	1.565E+00	1.472E+00	6.186E-01	5.785E-01	1.557E+00	1.032E+00	7.211E-01	1.015E+00	2.037E+00	1.899E+00
9	3.627E-02	3.605E-02	1.953E-02	2.983E-02	1.223E-02	2.071E-02	1.931E-02	2.350E-02	2.178E-02	3.476E-02	5.504E-02
10	6.406E-03	1.856E-02	2.554E-02	2.811E-03	9.142E-03	2.350E-02	1.577E-02	1.056E-02	1.288E-02	2.554E-02	2.264E-02
11	1.212E-02	2.157E-02	2.350E-02	5.622E-03	7.618E-03	2.532E-02	1.577E-02	6.459E-03	1.781E-02	2.071E-02	2.446E-02
12	1.137E-02	1.341E-02	7.403E-03	5.622E-03	1.524E-02	9.667E-03	7.597E-03	8.219E-03	1.116E-02	9.238E-03	1.835E-02
13	1.921E-02	2.060E-02	1.481E-02	9.002E-03	1.910E-02	1.288E-02	8.766E-03	9.979E-03	1.004E-02	1.899E-02	2.200E-02
14	5.697E-02	9.163E-02	8.337E-02	3.884E-02	6.856E-02	1.054E-01	4.034E-02	4.227E-02	8.262E-02	7.715E-02	9.721E-02
15	4.989E-03	5.150E-03	8.745E-03	1.069E-02	4.571E-03	1.288E-02	5.837E-03	1.760E-03	6.695E-03	6.524E-03	9.174E-03
16	0.000E+00	0.000E+00	1.341E-03	0.000E+00	7.618E-04	0.000E+00	2.339E-03	5.869E-04	1.116E-03	2.178E-03	6.116E-04
17	1.427E-03	6.170E-03	5.386E-03	5.622E-04	3.047E-03	2.758E-03	4.678E-03	3.519E-03	1.674E-03	4.345E-03	1.835E-03
18	2.210E-02	2.264E-02	3.090E-02	2.307E-02	1.524E-02	3.498E-02	4.442E-02	2.521E-02	2.790E-02	2.339E-02	3.605E-02
19	1.266E-01	2.468E-01	2.082E-01	1.073E-01	7.854E-02	1.674E-01	1.792E-01	1.363E-01	1.599E-01	1.459E-01	1.867E-01
20	2.843E-03	3.090E-03	6.727E-04	1.127E-03	1.524E-03	2.758E-03	0.000E+00	0.000E+00	5.579E-04	2.178E-03	1.223E-03
21	2.704E-02	2.886E-02	2.489E-02	1.127E-02	6.094E-03	2.393E-02	1.288E-02	1.170E-02	2.682E-02	2.940E-02	3.058E-02
22	2.135E-03	2.060E-03	1.341E-03	2.253E-03	2.285E-03	1.845E-03	2.339E-03	2.929E-03	3.348E-03	2.178E-03	1.835E-03
23	6.620E-02	8.433E-02	4.646E-02	2.532E-02	1.373E-02	6.631E-02	3.562E-02	3.519E-02	5.021E-02	8.702E-02	9.109E-02
24	7.833E-02	8.230E-02	9.485E-02	6.974E-02	7.242E-02	6.631E-02	1.023E-01	7.039E-02	6.921E-02	6.137E-02	7.275E-02
25	3.916E-02	4.013E-02	3.294E-02	7.876E-03	1.223E-02	4.646E-02	1.867E-02	1.524E-02	5.858E-02	7.071E-02	7.768E-02
26	1.856E-02	2.264E-02	2.554E-02	1.180E-02	1.148E-02	2.436E-02	1.631E-02	9.979E-03	1.395E-02	2.715E-02	2.693E-02
27	3.562E-03	7.200E-03	8.069E-03	2.253E-03	7.618E-04	5.064E-03	8.766E-03	1.760E-03	3.906E-03	4.345E-03	6.727E-03
28	3.991E-02	4.217E-02	4.174E-02	3.262E-02	1.524E-02	4.281E-02	3.391E-02	3.165E-02	5.633E-02	5.054E-02	5.687E-02
29	5.622E-02	6.899E-02	5.247E-02	2.811E-02	2.210E-02	6.395E-02	4.088E-02	3.637E-02	6.084E-02	9.571E-02	1.027E-01
30	7.124E-02	8.433E-02	7.264E-02	1.223E-01	6.094E-02	5.933E-02	9.517E-02	8.509E-02	8.873E-02	3.970E-02	5.504E-02
31	5.773E-02	7.618E-02	7.800E-02	8.380E-02	7.618E-02	4.603E-02	6.781E-02	5.633E-02	8.262E-02	4.453E-02	4.281E-02
32	8.401E-02	7.414E-02	8.745E-02	2.811E-02	2.747E-02	6.813E-02	4.732E-02	3.927E-02	6.030E-02	8.155E-02	1.058E-01
33	8.541E-03	1.234E-02	1.481E-02	8.433E-03	3.809E-03	9.667E-03	7.006E-03	9.388E-03	1.341E-02	1.084E-02	7.951E-03
34	4.657E-01	5.876E-01	6.041E-01	7.064E-01	8.353E-01	4.442E-01	8.827E-01	6.298E-01	4.560E-01	4.485E-01	5.633E-01
35	5.976E-02	6.481E-02	9.013E-02	4.163E-02	6.094E-02	7.092E-02	8.530E-02	5.805E-02	1.341E-01	7.071E-02	7.157E-02
36	4.989E-03	8.230E-03	6.727E-03	5.064E-03	6.856E-03	6.899E-03	5.258E-03	6.459E-03	6.137E-03	4.345E-03	5.504E-03
37	2.564E-02	1.234E-02	1.009E-02	1.012E-02	1.599E-02	1.845E-02	2.800E-02	1.234E-02	2.897E-02	1.899E-02	1.652E-02
38	3.208E-02	2.983E-02	2.489E-02	2.758E-02	2.060E-02	2.167E-02	2.157E-02	1.760E-02	1.953E-02	3.809E-02	2.446E-02
39	8.262E-02	9.678E-02	9.485E-02	4.442E-02	5.408E-02	1.223E-01	1.004E-01	3.755E-02	1.277E-01	1.524E-01	1.191E-01
40	1.191E-01	1.459E-01	1.899E-01	2.747E-01	1.685E-01	1.105E-01	1.974E-01	1.588E-01	1.727E-01	1.288E-01	1.395E-01
41	1.996E-02	2.983E-02	3.165E-02	2.361E-02	2.972E-02	1.567E-02	2.457E-02	3.047E-02	2.736E-02	9.785E-03	3.122E-02

	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
42	3.562E-03	0.000E+00	3.358E-03	1.127E-03	3.047E-03	4.603E-04	2.339E-03	2.929E-03	5.579E-04	5.440E-04	1.223E-03
43	7.510E-03	1.160E-02	1.080E-02	7.562E-03	4.938E-03	1.181E-02	1.399E-02	6.327E-03	7.484E-03	6.507E-03	7.176E-03
44	2.647E-01	3.461E-01	3.536E-01	2.359E-01	3.018E-01	3.432E-01	3.429E-01	2.560E-01	3.068E-01	5.410E-01	3.644E-01
45	1.834E-01	1.734E-01	1.582E-01	8.230E-02	7.510E-02	2.076E-01	9.851E-02	9.388E-02	1.727E-01	4.152E-01	2.275E-01
46	9.722E-02	1.320E-01	1.307E-01	1.186E-01	7.227E-02	1.489E-01	1.250E-01	9.439E-02	1.006E-01	1.790E-01	1.057E-01
47	2.304E-01	2.444E-01	2.456E-01	1.519E-01	1.350E-01	2.273E-01	2.133E-01	1.564E-01	1.959E-01	4.384E-01	2.587E-01
48	2.150E-02	2.492E-02	3.652E-02	1.024E-02	1.314E-02	4.192E-02	1.903E-02	1.253E-02	2.958E-02	7.356E-02	2.536E-02
49	9.208E-03	1.381E-02	1.646E-02	8.359E-03	8.950E-03	2.073E-02	1.078E-02	5.195E-03	1.299E-02	2.214E-02	1.114E-02
50	3.241E-03	4.681E-03	5.324E-03	3.241E-03	1.826E-03	8.822E-03	2.382E-03	1.829E-03	4.938E-03	8.462E-03	3.961E-03
51	6.173E-02	2.136E-01	2.085E-01	3.242E-01	1.505E-01	2.158E-01	2.980E-01	2.326E-01	1.075E-01	3.189E-02	1.047E-01
52	3.935E-03	4.681E-03	4.038E-03	2.829E-03	1.096E-03	4.295E-03	3.215E-03	3.241E-03	1.739E-03	2.726E-03	1.466E-03
53	7.021E-02	7.639E-02	8.822E-02	9.979E-02	1.052E-01	6.816E-02	1.124E-01	8.976E-02	5.838E-02	5.118E-02	7.021E-02
54	5.934E+00	5.616E+00	4.381E+00	4.362E+00	4.736E+00	5.123E+00	4.408E+00	5.743E+00	5.238E+00	4.727E+00	5.556E+00
55	4.119E-01	7.180E-01	6.096E-01	1.002E+00	7.112E-01	5.586E-01	8.695E-01	8.446E-01	6.060E-01	3.321E-01	4.096E-01
56	2.134E-01	1.729E-01	1.407E-01	1.362E-01	1.697E-01	1.817E-01	1.471E-01	1.796E-01	1.892E-01	1.695E-01	2.039E-01
57	2.334E+00	4.577E+00	3.582E+00	5.711E+00	4.357E+00	3.058E+00	4.774E+00	5.259E+00	3.220E+00	1.627E+00	2.089E+00
58	4.347E-02	4.810E-02	4.372E-02	4.707E-02	2.906E-02	3.781E-02	4.089E-02	4.449E-02	2.906E-02	4.038E-02	2.564E-02
59	5.170E-02	8.050E-02	7.536E-02	8.950E-02	8.539E-02	6.224E-02	8.436E-02	8.693E-02	6.764E-02	3.498E-02	4.630E-02
60	2.983E-02	3.909E-02	3.729E-02	3.729E-02	3.806E-02	2.701E-02	4.887E-02	4.630E-02	3.112E-02	3.138E-02	4.089E-02
61	9.842E-01	9.615E-01	1.365E+00	5.955E-01	1.217E+00	1.441E+00	8.712E-01	7.610E-01	1.299E+00	1.014E+00	1.054E+00
62	5.298E-01	4.324E-01	3.299E-01	3.381E-01	3.152E-01	4.123E-01	3.260E-01	3.063E-01	4.776E-01	6.676E-01	4.565E-01
63	1.145E-02	1.011E-02	1.355E-02	6.739E-03	6.584E-03	1.808E-02	7.279E-03	7.742E-03	8.976E-03	1.499E-02	8.205E-03
64	3.614E+00	3.317E+00	2.667E+00	2.433E+00	2.731E+00	3.017E+00	2.400E+00	2.649E+00	3.415E+00	3.658E+00	4.170E+00
65	1.625E-01	1.246E-01	1.160E-01	8.565E-02	8.410E-02	1.242E-01	9.722E-02	9.748E-02	1.301E-01	1.926E-01	1.561E-01
66	5.273E-01	8.463E-01	6.412E-01	9.201E-01	6.325E-01	5.833E-01	8.291E-01	7.281E-01	5.406E-01	4.541E-01	4.497E-01
67	5.890E-02	6.584E-02	6.044E-02	6.327E-02	3.626E-02	6.378E-02	5.915E-02	5.581E-02	4.244E-02	6.198E-02	4.424E-02
68	1.517E-01	1.865E-01	1.948E-01	1.898E-01	2.335E-01	1.371E-01	2.694E-01	1.723E-01	1.743E-01	1.929E-01	2.231E-01
69	4.781E-01	4.435E-01	7.308E-01	2.931E-01	5.961E-01	6.436E-01	4.009E-01	3.063E-01	6.637E-01	6.044E-01	5.846E-01
70	2.983E-02	2.623E-02	3.395E-02	1.551E-02	2.881E-02	2.752E-02	2.726E-02	2.052E-02	3.035E-02	4.012E-02	2.418E-02
71	8.359E-03	5.684E-03	5.813E-03	5.941E-03	5.658E-03	8.822E-03	7.150E-03	2.392E-03	7.099E-03	6.378E-03	8.513E-03
72	3.935E-03	2.467E-03	2.418E-03	1.751E-03	1.826E-03	3.961E-03	2.521E-03	2.109E-03	2.407E-03	2.477E-03	3.524E-03
73	3.747E-03	0.000E+00	7.077E-04	0.000E+00	8.014E-04	0.000E+00	2.460E-03	6.174E-04	0.000E+00	1.140E-03	6.433E-04
74	4.492E-03	4.334E-03	9.199E-03	2.370E-03	4.808E-03	2.415E-03	6.761E-03	3.081E-03	6.456E-03	5.147E-03	5.147E-03
75	3.815E-02	9.413E-02	8.352E-02	4.616E-02	5.858E-02	5.135E-02	7.190E-02	5.858E-02	1.332E-01	7.709E-01	4.628E-02
76	3.600E-02	1.354E-01	1.343E-01	5.971E-02	5.688E-02	5.282E-02	1.112E-01	8.081E-02	1.716E-01	1.098E-01	5.982E-02
77	7.494E-04	1.298E-02	9.910E-03	2.957E-03	8.014E-03	6.783E-03	7.991E-03	4.323E-03	2.054E-02	5.722E-03	1.094E-02
78	0.000E+00	0.000E+00	1.411E-03	0.000E+00	0.000E+00	4.842E-04	6.140E-04	1.230E-03	1.174E-03	5.722E-04	0.000E+00
79	7.494E-04	1.082E-03	1.411E-03	2.957E-03	0.000E+00	1.456E-03	3.691E-03	1.230E-03	0.000E+00	1.140E-03	1.930E-03
80	0.000E+00	1.082E-03	2.122E-03	2.957E-03	1.603E-03	4.842E-04	2.460E-03	2.472E-03	0.000E+00	5.722E-04	1.287E-03
81	7.494E-03	7.573E-03	7.077E-03	5.914E-03	5.609E-03	6.298E-03	3.070E-03	4.323E-03	5.869E-03	2.856E-03	9.650E-03
82	7.494E-04	7.573E-03	1.411E-03	1.185E-03	2.404E-03	3.386E-03	3.691E-03	3.081E-03	3.521E-03	5.722E-04	3.860E-03

	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
83	2.246E-03	1.082E-03	7.077E-04	3.544E-03	5.609E-03	9.684E-04	1.840E-03	4.323E-03	1.761E-03	1.140E-03	1.287E-03
84	1.124E-02	4.334E-03	9.199E-03	1.185E-02	1.208E-02	5.327E-03	1.106E-02	6.174E-03	1.580E-02	9.153E-03	5.147E-03
85	1.501E-03	1.082E-03	2.833E-03	1.772E-03	4.808E-03	1.456E-03	1.840E-03	4.323E-03	0.000E+00	1.716E-03	2.573E-03
86	1.124E-02	1.082E-02	4.955E-03	5.327E-03	7.212E-03	4.357E-03	8.600E-03	7.404E-03	1.411E-02	7.438E-03	5.147E-03
87	1.569E-02	2.494E-02	5.023E-02	2.190E-02	2.325E-02	1.738E-02	3.138E-02	2.596E-02	5.045E-02	1.998E-02	1.163E-02
88	2.246E-03	5.418E-03	3.533E-03	2.370E-03	6.411E-03	2.415E-03	5.530E-03	4.932E-03	7.043E-03	7.438E-03	1.930E-03
89	5.993E-03	9.740E-03	7.077E-03	5.914E-03	1.603E-02	5.327E-03	1.411E-02	1.050E-02	1.580E-02	3.431E-03	9.650E-03
90	6.738E-03	3.679E-02	2.619E-02	1.006E-02	2.562E-02	2.133E-02	2.822E-02	1.603E-02	6.749E-02	2.291E-02	1.930E-02
91	2.246E-03	5.418E-03	6.366E-03	3.544E-03	3.205E-03	5.327E-03	8.600E-03	3.081E-03	1.998E-02	3.431E-03	5.790E-03
92	1.648E-02	1.298E-02	9.910E-03	1.006E-02	1.524E-02	5.327E-03	8.600E-03	8.025E-03	1.704E-02	4.007E-03	3.860E-03
93	5.248E-03	9.740E-03	5.666E-03	7.099E-03	1.287E-02	1.065E-02	1.354E-02	1.050E-02	1.115E-02	4.007E-03	4.503E-03
94	7.494E-04	0.000E+00	4.244E-03	1.772E-03	0.000E+00	4.842E-04	6.140E-04	3.702E-03	5.282E-03	5.722E-04	2.573E-03
95	3.747E-03	9.740E-03	8.488E-03	9.470E-03	7.212E-03	1.264E-02	1.230E-02	5.553E-03	1.524E-02	5.722E-03	4.503E-03
96	7.494E-04	6.490E-03	6.366E-03	3.544E-03	5.609E-03	3.871E-03	3.691E-03	4.323E-03	5.869E-03	3.431E-03	4.503E-03
97	7.494E-04	2.167E-03	2.833E-03	3.544E-03	4.007E-03	1.941E-03	3.070E-03	4.932E-03	5.282E-03	1.140E-03	2.573E-03
98	8.984E-03	2.167E-03	8.488E-03	4.729E-03	1.122E-02	5.813E-03	6.761E-03	4.932E-03	8.804E-03	5.147E-03	4.503E-03
99	1.435E-01	7.762E-02	6.070E-02	3.605E-02	6.364E-02	8.155E-02	7.615E-02	6.107E-02	6.757E-02	1.080E-01	1.013E-01
100	3.176E-02	2.710E-02	4.378E-02	2.759E-02	3.139E-02	2.526E-02	3.544E-02	3.017E-02	2.992E-02	2.980E-02	4.476E-02
101	1.361E-01	1.778E-01	2.207E-01	1.106E-01	2.036E-01	1.178E-01	1.839E-01	1.704E-01	1.925E-01	1.161E-01	2.121E-01
102	4.979E-01	4.071E-01	4.746E-01	4.427E-01	7.117E-01	3.691E-01	4.942E-01	4.231E-01	3.850E-01	3.519E-01	3.850E-01
103	1.557E-01	2.526E-01	2.931E-01	1.876E-01	2.771E-01	1.410E-01	2.158E-01	2.195E-01	2.379E-01	1.181E-01	2.170E-01
104	2.685E-01	1.668E-01	2.219E-01	2.367E-01	2.452E-01	1.999E-01	1.852E-01	1.582E-01	1.876E-01	2.195E-01	1.987E-01
105	6.720E-01	5.892E-01	7.002E-01	7.925E-01	1.429E+00	4.697E-01	7.805E-01	7.419E-01	6.941E-01	5.285E-01	6.070E-01
106	1.582E-01	1.140E-01	1.176E-01	9.258E-02	1.210E-01	1.386E-01	1.435E-01	1.275E-01	1.570E-01	1.741E-01	1.471E-01
107	1.545E-01	1.129E-01	9.761E-02	9.319E-02	1.337E-01	9.258E-02	1.095E-01	1.006E-01	1.180E-01	1.275E-01	1.288E-01
108	2.109E-01	1.655E-01	1.741E-01	1.093E-01	1.974E-01	1.251E-01	1.754E-01	1.263E-01	1.704E-01	1.582E-01	1.790E-01
109	1.058E-02	4.709E-03	1.077E-02	9.638E-03	1.045E-02	6.315E-03	6.671E-03	3.348E-03	9.565E-03	5.592E-03	8.387E-03
110	2.526E-02	6.352E-02	2.685E-02	6.168E-02	3.924E-02	2.845E-02	5.273E-02	6.634E-02	3.948E-02	1.987E-02	3.213E-02
111	2.440E-02	3.409E-02	2.465E-02	3.850E-02	2.784E-02	2.367E-02	2.943E-02	3.556E-02	2.747E-02	9.945E-03	2.440E-02
112	2.281E-02	2.710E-02	1.312E-02	2.183E-02	8.706E-03	1.312E-02	3.066E-02	1.950E-02	1.212E-02	4.353E-03	9.086E-03
113	4.071E-03	8.228E-03	5.383E-03	9.001E-03	6.094E-03	1.582E-03	4.672E-03	7.382E-03	4.464E-03	2.489E-03	6.291E-03
114	1.221E-02	1.288E-02	6.916E-03	1.221E-02	9.577E-03	3.151E-03	1.002E-02	7.382E-03	7.014E-03	2.489E-03	9.086E-03
115	5.702E-03	2.121E-02	9.994E-03	1.410E-02	1.045E-02	5.788E-03	2.465E-02	1.471E-02	1.084E-02	6.830E-03	6.990E-03
116	8.142E-03	5.886E-03	8.461E-03	1.093E-02	1.741E-03	3.679E-03	7.345E-03	7.382E-03	2.551E-03	3.102E-03	4.893E-03
117	1.790E-02	2.710E-02	1.459E-02	1.221E-02	1.312E-02	8.939E-03	1.937E-02	2.477E-02	1.212E-02	4.353E-03	1.398E-02
118	2.440E-03	9.405E-03	1.533E-02	1.288E-02	8.706E-03	4.206E-03	9.344E-03	1.471E-02	7.652E-03	8.694E-03	8.387E-03
119	9.761E-03	1.876E-02	1.077E-02	1.484E-02	9.577E-03	8.939E-03	1.606E-02	7.382E-03	7.014E-03	3.728E-03	1.263E-02
120	8.142E-03	1.176E-02	1.153E-02	1.668E-02	7.836E-03	3.679E-03	1.068E-02	1.337E-02	1.275E-02	3.102E-03	1.324E-02
121	4.586E-02	5.156E-02	4.817E-02	3.215E-02	2.725E-02	3.295E-02	1.674E-02	3.357E-02	1.995E-02	6.224E-02	2.627E-02
122	1.630E-01	1.549E-01	1.638E-01	1.968E-01	7.631E-02	1.710E-01	1.505E-01	4.622E-02	1.354E-01	1.086E-01	1.487E-01
123	3.384E+00	1.808E+00	3.642E+00	4.639E+00	1.763E+00	3.232E+00	3.170E+00	2.680E+00	2.832E+00	2.208E+00	2.627E+00

	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
124	5.601E-02	3.678E-02	2.885E-02	3.215E-02	3.268E-02	2.636E-02	2.930E-02	4.622E-02	2.796E-02	4.274E-02	1.745E-02
125	6.625E-02	8.094E-02	4.328E-02	2.814E-02	3.268E-02	2.306E-02	1.674E-02	1.683E-02	2.395E-02	8.557E-02	3.936E-02
126	2.004E+00	6.776E-01	7.845E-01	5.637E-01	3.330E-01	1.247E+00	5.557E-01	4.283E-01	9.973E-01	1.852E+00	1.282E+00
127	3.660E+00	1.763E+00	1.469E+00	2.360E+00	9.083E-01	2.547E+00	1.327E+00	9.617E-01	2.048E+00	3.482E+00	2.048E+00
128	3.134E+00	1.719E+00	3.455E+00	3.580E+00	1.567E+00	3.170E+00	2.191E+00	2.297E+00	2.609E+00	2.431E+00	2.449E+00
129	4.078E-02	1.327E-01	3.847E-02	2.012E-02	4.907E-02	3.624E-02	5.013E-02	3.357E-02	3.989E-02	5.833E-02	5.690E-02
130	1.136E+01	6.508E+00	7.191E+00	3.304E+00	3.669E+00	1.333E+01	4.150E+00	2.956E+00	1.067E+01	1.585E+01	1.043E+01
131	7.352E+00	4.425E+00	6.162E+00	3.856E+00	3.562E+00	1.243E+01	3.945E+00	2.093E+00	8.657E+00	1.006E+01	6.964E+00
132	1.327E-01	2.208E-02	9.617E-02	7.649E-02	2.182E-02	5.272E-02	7.943E-02	2.520E-02	4.791E-02	2.725E-02	5.245E-02
133	2.039E-02	1.469E-02	3.847E-02	3.215E-02	1.086E-02	1.318E-02	4.595E-02	1.256E-02	2.395E-02	3.891E-03	8.744E-03
134	3.054E-02	7.364E-03	1.923E-02	1.612E-02	1.086E-02	1.647E-02	2.093E-02	0.000E+00	3.989E-03	7.774E-03	4.372E-03
135	2.039E-02	2.208E-02	1.923E-02	8.050E-03	3.268E-02	3.295E-02	1.674E-02	8.397E-03	3.598E-02	1.167E-02	1.745E-02
136	3.054E-02	0.000E+00	1.923E-02	1.612E-02	1.638E-02	1.318E-02	5.850E-02	4.194E-03	1.594E-02	3.891E-03	1.309E-02
137	6.625E-02	2.208E-02	3.847E-02	8.050E-02	9.261E-02	2.306E-02	3.758E-02	3.776E-02	3.989E-02	2.333E-02	3.500E-02
138	4.586E-02	5.886E-02	1.443E-02	2.012E-02	2.725E-02	1.977E-02	2.093E-02	8.397E-03	1.995E-02	7.774E-03	1.309E-02
139	2.698E-01	2.208E-01	2.404E-01	3.500E-01	1.202E-01	2.565E-01	1.131E-01	1.808E-01	3.152E-01	3.037E-01	1.621E-01
140	1.986E-01	1.033E-01	1.496E-01	2.493E-01	9.795E-02	1.710E-01	1.211E-01	8.397E-02	2.591E-01	5.441E-02	1.006E-01
141	9.172E-02	8.094E-02	5.779E-02	4.025E-02	1.638E-02	7.248E-02	6.687E-02	5.459E-02	6.785E-02	3.500E-02	5.690E-02
142	2.039E-02	7.364E-03	2.404E-02	1.211E-02	2.182E-02	1.647E-02	2.930E-02	2.520E-02	7.988E-03	1.558E-02	1.309E-02
143	2.547E-02	2.208E-02	1.443E-02	4.025E-03	1.086E-02	1.318E-02	1.256E-02	2.102E-02	2.395E-02	1.558E-02	2.191E-02
144	9.706E-02	1.469E-02	2.404E-02	2.814E-02	1.638E-02	3.624E-02	4.595E-02	2.102E-02	3.598E-02	2.725E-02	5.245E-02
145	9.172E-02	1.469E-02	3.366E-02	4.426E-02	3.268E-02	2.965E-02	2.930E-02	1.683E-02	7.988E-03	3.500E-02	3.063E-02
146	2.547E-01	5.886E-02	3.419E-01	2.734E-01	1.416E-01	3.099E-01	1.300E-01	1.932E-01	2.119E-01	2.182E-01	1.665E-01
147	2.805E-01	1.621E-01	1.683E-01	1.852E-01	1.086E-01	2.440E-01	7.943E-02	8.397E-02	1.434E-01	2.992E-01	1.264E-01
148	8.201E-01	2.573E-01	4.960E-01	7.845E-01	1.256E-01	7.044E-01	3.179E-01	4.034E-01	5.948E-01	8.869E-01	4.025E-01
149	1.834E-01	1.256E-01	1.879E-01	2.012E-01	8.727E-02	1.612E-01	8.362E-02	5.877E-02	2.155E-01	1.906E-01	6.999E-02
150	3.054E-02	2.947E-02	9.617E-03	2.012E-02	5.450E-03	1.318E-02	3.339E-02	2.939E-02	3.197E-02	0.000E+00	1.309E-02
151	2.039E-02	6.625E-02	9.617E-03	8.050E-03	2.182E-02	1.977E-02	2.093E-02	2.102E-02	7.988E-03	3.891E-03	1.309E-02
152	1.273E-01	4.417E-02	2.404E-02	1.612E-02	1.086E-02	3.954E-02	1.674E-02	3.776E-02	5.592E-02	5.441E-02	4.372E-02
153	4.078E-02	0.000E+00	4.817E-02	2.413E-02	4.907E-02	2.965E-02	2.093E-02	8.397E-03	3.989E-02	3.891E-02	2.191E-02
154	2.039E-02	1.469E-02	1.443E-02	1.211E-02	0.000E+00	9.884E-03	4.176E-03	1.256E-02	1.594E-02	1.167E-02	2.191E-02
155	5.093E-02	2.208E-02	1.923E-02	3.624E-02	2.725E-02	1.318E-02	2.093E-02	2.102E-02	3.197E-02	3.891E-02	3.936E-02
156	3.259E-01	1.104E-01	5.245E-01	4.630E-01	1.745E-01	8.005E-01	1.879E-01	1.131E-01	4.951E-01	2.841E-01	2.057E-01
157	2.191E-01	5.886E-02	1.825E-01	1.772E-01	7.631E-02	2.440E-01	8.362E-02	7.133E-02	2.075E-01	1.906E-01	1.184E-01
158	4.078E-01	1.621E-01	4.524E-01	3.384E-01	2.618E-01	5.797E-01	2.093E-01	1.808E-01	6.073E-01	3.037E-01	2.627E-01
159	1.630E-01	5.156E-02	1.300E-01	1.042E-01	7.631E-02	1.745E-01	1.425E-01	5.040E-02	1.879E-01	1.362E-01	6.999E-02
160	4.586E-02	5.156E-02	1.443E-02	2.012E-02	3.268E-02	3.295E-02	1.674E-02	8.397E-03	2.395E-02	3.500E-02	6.126E-02
161	8.664E-02	2.208E-02	3.366E-02	6.037E-02	4.907E-02	9.884E-03	4.176E-02	7.133E-02	3.989E-03	1.941E-02	2.191E-02
162	4.078E-02	4.417E-02	9.617E-03	3.215E-02	2.725E-02	2.306E-02	4.595E-02	8.397E-03	2.395E-02	3.500E-02	4.372E-02
163	4.078E-02	4.417E-02	6.260E-02	5.227E-02	1.638E-02	1.647E-02	1.256E-02	2.102E-02	2.796E-02	1.558E-02	2.191E-02
164	0.000E+00	2.208E-02	2.885E-02	2.413E-02	2.725E-02	1.977E-02	4.176E-03	1.683E-02	1.202E-02	2.725E-02	2.191E-02

	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
165	3.562E-02	2.947E-02	3.847E-02	2.814E-02	1.638E-02	2.306E-02	3.758E-02	4.194E-02	2.796E-02	3.891E-03	2.191E-02
166	6.625E-02	8.833E-02	6.741E-02	7.649E-02	1.086E-02	6.919E-02	5.850E-02	5.040E-02	7.186E-02	2.725E-02	3.936E-02
167	1.425E-01	6.625E-02	3.900E-01	2.048E-01	1.256E-01	5.004E-01	1.380E-01	1.175E-01	1.754E-01	1.870E-01	1.229E-01
168	1.220E-01	1.033E-01	1.443E-01	1.647E-01	1.416E-01	1.710E-01	1.006E-01	8.816E-02	1.354E-01	1.086E-01	1.051E-01
169	2.547E-02	4.417E-02	6.741E-02	4.025E-02	5.450E-02	4.283E-02	3.339E-02	3.776E-02	4.791E-02	4.666E-02	5.245E-02
170	5.093E-02	2.947E-02	4.817E-02	5.227E-02	5.450E-02	1.318E-02	4.176E-02	7.133E-02	2.395E-02	1.558E-02	4.372E-02
171	3.562E-02	7.364E-03	3.847E-02	3.215E-02	2.725E-02	2.636E-02	7.106E-02	3.776E-02	3.197E-02	1.558E-02	2.627E-02
172	7.088E-02	4.660E-02	1.545E-01	1.386E-01	7.210E-02	2.256E-01	1.361E-01	7.689E-02	8.363E-02	5.408E-02	6.806E-02
173	2.325E+00	1.818E+00	2.741E+00	2.856E+00	3.372E+00	2.158E+00	2.991E+00	2.678E+00	2.177E+00	2.415E+00	2.357E+00
174	3.838E+00	2.572E+00	4.635E+00	4.644E+00	5.144E+00	3.727E+00	4.193E+00	3.964E+00	4.008E+00	4.610E+00	4.412E+00
175	1.113E+00	7.381E-01	1.121E+00	1.203E+00	1.007E+00	1.195E+00	1.073E+00	7.590E-01	8.699E-01	1.558E+00	1.008E+00
176	2.923E+00	1.869E+00	3.417E+00	2.708E+00	2.615E+00	2.653E+00	4.070E+00	3.509E+00	2.641E+00	3.062E+00	3.468E+00
177	1.254E+00	7.016E-01	1.517E+00	6.699E-01	6.938E-01	1.883E+00	1.230E+00	9.550E-01	1.612E+00	2.160E+00	1.389E+00
178	1.962E-01	1.471E-01	2.354E-01	8.535E-02	9.234E-02	3.593E-01	3.532E-01	2.183E-01	2.685E-01	3.556E-01	3.213E-01
179	2.452E-02	2.636E-02	3.446E-02	1.275E-02	1.496E-02	4.169E-02	4.034E-02	3.642E-02	4.071E-02	5.359E-02	4.697E-02
180	2.735E-02	9.123E-03	1.790E-02	1.717E-02	2.330E-02	1.361E-02	2.477E-02	2.367E-02	3.850E-03	1.606E-02	2.587E-02
181	1.471E-02	6.082E-03	8.620E-03	1.606E-02	1.655E-02	9.982E-03	1.839E-02	1.680E-02	1.484E-02	2.244E-02	2.232E-02
182	7.223E-02	4.255E-02	6.291E-02	7.480E-02	8.032E-02	5.665E-02	7.885E-02	7.223E-02	6.438E-02	6.426E-02	6.867E-02
183	1.303E+00	8.293E-01	1.264E+00	1.552E+00	2.082E+00	1.274E+00	1.319E+00	1.042E+00	9.485E-01	1.137E+00	8.674E-01
184	1.490E+00	6.600E-01	1.328E+00	1.423E+00	2.160E+00	1.250E+00	1.397E+00	1.228E+00	1.057E+00	1.262E+00	1.032E+00
185	1.124E+00	4.414E-01	8.535E-01	1.042E+00	1.548E+00	7.908E-01	9.871E-01	8.677E-01	7.456E-01	1.064E+00	7.701E-01
186	2.538E+00	9.895E-01	2.171E+00	2.569E+00	3.109E+00	2.040E+00	1.782E+00	1.695E+00	1.956E+00	2.600E+00	1.737E+00
187	7.161E-01	3.409E-01	4.979E-01	6.738E-01	6.555E-01	5.592E-01	4.782E-01	3.262E-01	4.611E-01	7.456E-01	3.948E-01
188	6.941E-02	3.348E-02	4.844E-02	6.315E-02	4.206E-02	4.807E-02	5.702E-02	3.703E-02	2.587E-02	8.032E-02	3.740E-02
189	1.193E-02	6.082E-03	1.925E-02	1.109E-02	1.422E-02	1.815E-02	1.386E-02	1.386E-02	8.253E-03	1.226E-02	6.622E-03
190	2.551E-01	1.226E-01	1.557E-01	1.484E-01	1.704E-01	1.937E-01	2.600E-01	1.950E-01	1.149E-01	2.085E-01	1.668E-01
191	2.648E+00	9.560E-01	2.271E+00	1.200E+00	1.752E+00	2.659E+00	1.883E+00	1.504E+00	2.588E+00	3.243E+00	1.917E+00
192	6.511E-01	2.698E-01	5.494E-01	2.673E-01	3.433E-01	7.100E-01	7.430E-01	5.224E-01	6.757E-01	8.498E-01	6.524E-01
193	9.822E-02	4.770E-02	6.830E-02	5.212E-02	6.830E-02	7.345E-02	1.002E-01	7.345E-02	6.818E-02	9.638E-02	6.511E-02
194	7.578E-02	4.660E-02	6.634E-02	9.969E-02	2.085E-01	2.857E-02	9.148E-02	9.773E-02	4.562E-02	3.691E-02	6.266E-02
195	3.151E-02	1.827E-02	2.980E-02	4.880E-02	1.036E-01	1.729E-02	4.427E-02	3.176E-02	2.036E-02	2.305E-02	3.127E-02
196	1.508E-01	6.082E-02	2.121E-01	1.263E-01	1.209E-01	3.323E-01	1.300E-01	5.322E-02	2.121E-01	1.864E-01	8.437E-02
197	1.067E-01	6.180E-02	1.008E-01	8.032E-02	8.706E-02	2.207E-01	7.995E-02	6.364E-02	1.094E-01	1.263E-01	7.529E-02
198	6.450E-02	2.735E-02	4.635E-02	4.929E-02	7.357E-02	7.615E-02	7.713E-02	4.856E-02	3.679E-02	6.107E-02	5.236E-02
199	1.178E-01	6.793E-02	7.296E-02	9.086E-02	1.668E-01	1.312E-02	1.521E-01	1.398E-01	1.100E-02	2.195E-02	1.133E-01
200	5.543E-02	3.446E-02	5.101E-02	4.660E-02	8.559E-02	1.496E-02	8.976E-02	7.456E-02	2.195E-02	2.036E-02	4.034E-02
201	4.905E-02	2.134E-02	5.371E-02	5.653E-02	1.007E-01	2.673E-02	5.175E-02	3.936E-02	2.918E-02	2.784E-02	3.188E-02
202	2.109E-03	1.014E-02	1.398E-02	1.557E-02	1.051E-02	1.361E-03	1.839E-02	1.962E-02	1.100E-03	5.359E-04	1.263E-02
203	0.000E+00	1.014E-03	2.649E-03	5.543E-04	2.256E-03	9.074E-04	4.598E-03	2.894E-03	0.000E+00	5.359E-04	0.000E+00
204	1.193E-02	3.041E-03	1.193E-02	1.275E-02	3.752E-03	9.074E-04	2.011E-02	1.324E-02	7.149E-03	3.752E-03	1.204E-02
205	7.014E-04	2.023E-03	1.987E-03	1.109E-03	3.752E-03	1.361E-03	5.751E-04	5.776E-04	3.299E-03	5.359E-04	2.403E-03

	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
206	1.680E-02	9.123E-03	1.925E-02	2.269E-02	1.496E-02	4.083E-03	2.992E-02	2.367E-02	3.850E-03	2.146E-03	2.293E-02
207	8.424E-03	7.100E-03	1.324E-02	1.053E-02	1.655E-02	4.991E-03	9.209E-03	8.670E-03	7.701E-03	6.965E-03	4.819E-03
208	4.905E-03	4.059E-03	6.634E-03	2.771E-03	3.004E-03	3.176E-03	4.598E-03	4.623E-03	1.100E-03	4.280E-03	6.021E-04
209	2.109E-03	1.014E-03	0.000E+00	0.000E+00	0.000E+00	1.815E-03	5.751E-04	0.000E+00	0.000E+00	0.000E+00	1.204E-03
210	1.398E-03	1.014E-03	0.000E+00	0.000E+00	7.505E-04	1.361E-03	5.751E-04	0.000E+00	5.494E-04	0.000E+00	6.021E-04
211	0.000E+00	0.000E+00	6.634E-04	0.000E+00	0.000E+00	4.537E-04	1.151E-03	1.729E-03	0.000E+00	0.000E+00	6.021E-04
212	2.109E-03	1.014E-03	1.987E-03	3.323E-03	6.009E-03	9.074E-04	2.305E-03	0.000E+00	5.494E-04	1.071E-03	4.218E-03
213	4.905E-03	4.059E-03	3.311E-03	3.323E-03	2.256E-03	1.361E-03	4.598E-03	1.729E-03	1.655E-03	4.280E-03	0.000E+00
214	5.616E-03	4.059E-03	2.649E-03	3.875E-03	5.261E-03	9.074E-04	4.034E-03	3.470E-03	4.954E-03	4.280E-03	1.803E-03
215	7.014E-04	1.014E-03	0.000E+00	0.000E+00	0.000E+00	4.537E-04	5.751E-04	0.000E+00	2.747E-03	5.359E-04	0.000E+00
216	0.000E+00	0.000E+00	6.634E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.776E-04	5.494E-04	0.000E+00	0.000E+00
217	7.014E-04	0.000E+00	0.000E+00	5.543E-04	1.496E-03	4.537E-04	5.751E-04	5.776E-04	0.000E+00	1.071E-03	0.000E+00
218	1.668E+00	9.439E-01	1.280E+00	1.698E+00	1.806E+00	1.367E+00	1.407E+00	1.131E+00	9.848E-01	1.178E+00	8.939E-01
219	1.263E-02	2.023E-02	1.193E-02	2.219E-02	2.698E-02	2.134E-02	1.962E-02	1.099E-02	1.045E-02	1.124E-02	9.638E-03
220	1.171E+00	2.469E+00	2.335E+00	3.816E+00	1.174E+00	3.112E+00	3.461E+00	2.093E+00	1.553E+00	1.279E+00	1.694E+00
221	6.272E+01	8.769E+01	6.309E+01	7.815E+01	6.925E+01	6.973E+01	8.583E+01	7.313E+01	6.192E+01	5.663E+01	7.255E+01
222	7.448E+01	7.181E+01	5.209E+01	5.490E+01	4.218E+01	7.390E+01	5.012E+01	5.225E+01	7.328E+01	9.174E+01	8.492E+01
223	2.707E+01	4.683E+01	3.302E+01	5.386E+01	2.786E+01	3.486E+01	4.217E+01	3.946E+01	3.391E+01	3.049E+01	2.738E+01
224	2.638E+01	3.347E+01	2.615E+01	2.837E+01	2.381E+01	2.798E+01	3.203E+01	2.410E+01	2.374E+01	3.052E+01	3.316E+01
225	1.600E+01	1.610E+01	2.019E+01	1.090E+01	1.416E+01	2.585E+01	1.337E+01	1.032E+01	2.038E+01	2.483E+01	1.817E+01
226	6.305E+00	7.542E+00	7.943E+00	5.608E+00	5.441E+00	1.639E+01	5.624E+00	2.771E+00	1.182E+01	9.843E+00	7.639E+00
227	2.219E+00	3.119E+00	2.409E+00	2.007E+00	2.152E+00	5.687E+00	2.345E+00	1.259E+00	3.620E+00	3.339E+00	2.807E+00
228	4.920E-01	8.385E-01	3.802E-01	3.756E-01	4.073E-01	2.930E-01	6.413E-01	4.094E-01	1.667E-01	1.858E-01	7.759E-01
229	5.605E-01	9.920E-01	4.251E-01	4.054E-01	4.791E-01	3.264E-01	6.991E-01	4.170E-01	2.167E-01	2.102E-01	8.305E-01
230	3.486E+01	3.806E+01	4.857E+01	4.266E+01	4.071E+01	2.780E+01	3.485E+01	4.167E+01	3.864E+01	2.664E+01	3.390E+01
231	4.751E+00	6.018E+00	5.591E+00	5.461E+00	4.767E+00	4.157E+00	4.807E+00	4.617E+00	4.293E+00	3.153E+00	5.510E+00
232	1.617E+00	1.844E+00	2.032E+00	1.865E+00	1.666E+00	1.720E+00	2.304E+00	1.688E+00	1.800E+00	1.352E+00	2.069E+00
233	5.793E+00	5.237E+00	6.843E+00	4.131E+00	5.562E+00	4.930E+00	6.623E+00	7.200E+00	5.695E+00	3.151E+00	6.832E+00
234	1.179E+01	1.794E+01	2.283E+01	2.443E+01	1.937E+01	1.901E+01	2.447E+01	2.701E+01	1.483E+01	6.410E+00	1.493E+01
235	9.896E+00	1.047E+01	1.270E+01	1.616E+01	1.360E+01	8.676E+00	1.065E+01	1.267E+01	9.046E+00	6.687E+00	8.014E+00
236	8.513E-01	8.585E-01	6.461E-01	4.272E-01	4.619E-01	6.087E-01	1.168E+00	7.118E-01	4.940E-01	8.373E-01	1.166E+00
237	6.272E+00	4.527E+00	3.160E+00	2.820E+00	2.129E+00	5.113E+00	4.176E+00	3.343E+00	5.963E+00	9.431E+00	8.165E+00
238	5.933E+00	5.686E+00	6.548E+00	8.433E+00	5.115E+00	5.831E+00	7.043E+00	6.310E+00	6.718E+00	6.206E+00	6.614E+00
239	1.167E+00	1.179E+00	1.324E+00	1.604E+00	1.169E+00	1.103E+00	1.472E+00	1.419E+00	1.248E+00	1.099E+00	1.269E+00
240	1.703E+01	1.425E+01	8.591E+00	1.342E+01	1.348E+01	7.399E+00	2.048E+01	2.167E+01	4.926E+00	6.358E+00	1.667E+01
241	2.540E+02	2.435E+02	1.797E+02	2.144E+02	2.288E+02	2.166E+02	1.921E+02	2.090E+02	2.238E+02	2.283E+02	2.377E+02
242	1.321E+02	1.734E+02	1.339E+02	2.212E+02	1.733E+02	1.459E+02	1.789E+02	1.745E+02	1.358E+02	1.148E+02	1.079E+02
243	1.196E+01	1.557E+01	1.296E+01	2.219E+01	1.580E+01	1.403E+01	1.744E+01	1.730E+01	1.234E+01	9.737E+00	9.198E+00
244	9.117E+00	7.974E+00	9.111E+00	5.355E+00	6.142E+00	1.074E+01	7.364E+00	5.784E+00	1.149E+01	1.629E+01	9.768E+00
245	5.431E+00	4.531E+00	4.280E+00	3.512E+00	2.846E+00	5.502E+00	4.640E+00	3.915E+00	6.337E+00	8.488E+00	6.732E+00
246	7.781E+00	6.975E+00	4.726E+00	5.927E+00	4.901E+00	6.774E+00	6.800E+00	6.160E+00	6.855E+00	8.930E+00	8.936E+00

	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
247	4.012E+00	5.741E+00	3.679E+00	4.199E+00	4.062E+00	4.691E+00	5.342E+00	4.005E+00	4.548E+00	3.757E+00	5.688E+00
248	8.021E+01	5.366E+01	6.470E+01	3.768E+01	6.225E+01	9.324E+01	5.116E+01	4.003E+01	6.685E+01	9.345E+01	6.372E+01
249	6.552E+01	4.935E+01	4.874E+01	4.162E+01	4.648E+01	7.766E+01	6.523E+01	5.145E+01	5.616E+01	8.938E+01	5.696E+01
250	1.625E+02	1.254E+02	1.020E+02	1.155E+02	1.039E+02	1.309E+02	1.071E+02	9.830E+01	1.228E+02	1.794E+02	1.403E+02
251	5.084E+01	5.322E+01	4.327E+01	5.713E+01	5.236E+01	4.303E+01	5.896E+01	5.553E+01	4.184E+01	5.388E+01	4.919E+01
252	3.015E+00	3.774E+00	2.942E+00	4.027E+00	3.418E+00	2.941E+00	4.540E+00	3.830E+00	2.593E+00	2.977E+00	3.255E+00
253	3.649E+00	3.753E+00	3.182E+00	2.736E+00	2.418E+00	5.339E+00	3.697E+00	2.502E+00	4.090E+00	5.217E+00	4.000E+00
254	8.340E+00	6.698E+00	9.019E+00	5.963E+00	5.673E+00	1.077E+01	6.557E+00	4.671E+00	1.088E+01	1.420E+01	8.327E+00
255	7.157E+00	6.675E+00	8.064E+00	4.922E+00	5.637E+00	8.128E+00	5.936E+00	5.323E+00	9.080E+00	1.077E+01	7.849E+00
256	2.525E+00	2.772E+00	2.638E+00	2.050E+00	2.214E+00	2.799E+00	3.121E+00	2.582E+00	2.715E+00	2.927E+00	3.163E+00
257	4.985E+00	6.244E+00	5.032E+00	3.679E+00	4.565E+00	4.965E+00	6.472E+00	4.622E+00	5.170E+00	3.583E+00	6.234E+00
258	2.283E+01	2.017E+01	1.759E+01	1.286E+01	1.767E+01	3.631E+01	1.921E+01	1.029E+01	2.285E+01	2.883E+01	1.886E+01
259	4.101E+01	2.911E+01	4.099E+01	2.298E+01	3.392E+01	5.026E+01	3.018E+01	1.997E+01	3.770E+01	5.500E+01	3.533E+01
260	2.922E+01	2.932E+01	3.895E+01	2.624E+01	3.339E+01	3.808E+01	3.979E+01	3.115E+01	2.858E+01	2.939E+01	2.998E+01
261	2.662E+01	3.340E+01	4.690E+01	4.128E+01	4.339E+01	2.937E+01	3.963E+01	4.218E+01	3.326E+01	2.085E+01	3.032E+01
262	1.025E+01	1.368E+01	1.215E+01	1.082E+01	1.561E+01	8.291E+00	1.515E+01	1.347E+01	1.141E+01	9.045E+00	1.465E+01
263	2.632E+00	2.416E+00	2.312E+00	1.785E+00	1.709E+00	3.955E+00	2.284E+00	1.446E+00	3.564E+00	4.053E+00	2.908E+00
264	2.426E+00	2.466E+00	2.372E+00	2.093E+00	2.075E+00	2.657E+00	2.746E+00	2.291E+00	2.690E+00	3.266E+00	2.740E+00
265	1.962E+00	1.894E+00	1.814E+00	1.708E+00	1.916E+00	1.505E+00	2.006E+00	1.712E+00	1.938E+00	2.424E+00	2.140E+00
266	1.667E+00	1.897E+00	1.746E+00	2.027E+00	1.840E+00	7.565E-01	2.854E+00	3.006E+00	9.351E-01	8.672E-01	2.358E+00
267	1.414E+00	2.365E+00	1.991E+00	2.257E+00	1.966E+00	1.171E+00	2.957E+00	2.810E+00	1.454E+00	8.425E-01	2.152E+00
268	1.016E+01	8.732E+00	1.112E+01	8.731E+00	7.604E+00	2.159E+01	7.903E+00	3.742E+00	1.249E+01	1.274E+01	8.371E+00
269	6.878E+00	6.880E+00	6.471E+00	6.802E+00	8.150E+00	1.021E+01	8.126E+00	5.255E+00	5.359E+00	6.215E+00	6.502E+00
270	2.830E+00	3.189E+00	2.632E+00	2.982E+00	3.692E+00	2.758E+00	3.841E+00	2.523E+00	1.752E+00	2.477E+00	2.690E+00
271	1.352E+01	1.508E+01	1.818E+01	1.266E+01	1.383E+01	1.267E+01	1.860E+01	1.425E+01	1.466E+01	1.278E+01	1.360E+01
272	8.428E+01	9.237E+01	1.260E+02	1.058E+02	1.021E+02	7.062E+01	9.127E+01	1.026E+02	9.810E+01	7.061E+01	8.591E+01
273	8.404E+01	9.181E+01	1.260E+02	1.085E+02	1.111E+02	7.409E+01	9.128E+01	1.086E+02	1.025E+02	7.063E+01	9.013E+01
274	1.270E+01	1.446E+01	2.044E+01	1.808E+01	1.615E+01	1.173E+01	1.395E+01	1.677E+01	1.620E+01	1.101E+01	1.476E+01
275	6.219E-01	5.238E-01	8.140E-01	5.657E-01	5.482E-01	4.907E-01	9.353E-01	8.102E-01	7.268E-01	5.059E-01	8.021E-01
276	7.798E+00	6.821E+00	1.346E+01	7.104E+00	1.117E+01	7.162E+00	1.187E+01	1.488E+01	1.089E+01	3.900E+00	7.950E+00
277	1.732E+01	1.807E+01	3.744E+01	2.099E+01	3.252E+01	1.725E+01	2.744E+01	4.722E+01	2.665E+01	8.853E+00	2.419E+01
278	1.650E+01	1.911E+01	3.642E+01	2.033E+01	3.209E+01	1.680E+01	2.611E+01	4.616E+01	2.626E+01	8.342E+00	2.321E+01
279	3.717E+00	5.990E+00	8.795E+00	9.484E+00	7.387E+00	6.816E+00	8.816E+00	1.142E+01	5.474E+00	2.107E+00	5.289E+00
280	7.017E+00	5.035E+00	5.903E+00	4.864E+00	5.942E+00	4.234E+00	8.318E+00	8.526E+00	5.231E+00	3.666E+00	6.870E+00
281	1.389E+02	1.015E+02	9.403E+01	1.013E+02	1.082E+02	1.228E+02	9.999E+01	1.110E+02	1.213E+02	1.348E+02	1.295E+02
282	1.179E+02	9.450E+01	7.931E+01	8.578E+01	9.203E+01	1.059E+02	8.570E+01	9.462E+01	1.037E+02	1.144E+02	1.092E+02
283	3.563E+01	4.954E+01	3.947E+01	6.873E+01	4.656E+01	4.401E+01	5.482E+01	5.398E+01	3.830E+01	2.939E+01	2.739E+01
284	5.994E+00	6.837E+00	5.224E+00	3.769E+00	4.973E+00	6.240E+00	7.136E+00	4.749E+00	6.564E+00	5.887E+00	9.689E+00
285	9.184E+01	7.387E+01	7.208E+01	6.696E+01	7.428E+01	7.717E+01	7.079E+01	6.844E+01	8.205E+01	1.095E+02	9.296E+01
286	6.609E+01	5.764E+01	5.566E+01	4.900E+01	5.717E+01	5.867E+01	5.548E+01	5.352E+01	6.352E+01	8.339E+01	7.018E+01
287	7.967E+00	9.002E+00	7.715E+00	1.001E+01	8.455E+00	7.688E+00	1.012E+01	1.015E+01	7.192E+00	8.209E+00	7.813E+00

	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
288	4.963E+01	5.735E+01	9.413E+01	7.641E+01	8.264E+01	5.994E+01	7.287E+01	8.048E+01	6.917E+01	3.878E+01	5.591E+01
289	3.895E+01	4.808E+01	7.565E+01	6.219E+01	6.383E+01	4.750E+01	5.685E+01	6.375E+01	5.538E+01	3.027E+01	4.417E+01
290	1.598E+01	2.228E+01	2.650E+01	1.988E+01	2.828E+01	1.901E+01	2.460E+01	2.218E+01	2.624E+01	1.873E+01	2.537E+01
291	1.286E+01	1.909E+01	2.002E+01	1.511E+01	2.172E+01	1.451E+01	1.897E+01	1.776E+01	2.090E+01	1.467E+01	1.943E+01
292	1.752E+00	2.267E+00	1.876E+00	1.815E+00	2.355E+00	1.451E+00	2.558E+00	2.381E+00	1.890E+00	1.499E+00	2.323E+00
293	1.136E+00	1.412E+00	1.567E+00	1.653E+00	1.638E+00	4.940E-01	2.280E+00	2.465E+00	5.275E-01	3.910E-01	1.607E+00
294	1.619E+00	1.277E+00	1.145E+00	1.240E+00	1.157E+00	1.087E+00	1.700E+00	1.751E+00	1.088E+00	2.118E+00	1.936E+00
295	1.593E+00	1.282E+00	1.137E+00	1.222E+00	1.180E+00	1.100E+00	1.776E+00	1.758E+00	1.095E+00	2.181E+00	1.900E+00
296	8.920E-01	8.456E-01	7.862E-01	1.063E+00	7.020E-01	7.641E-01	1.187E+00	1.145E+00	6.933E-01	9.948E-01	9.225E-01
297	3.734E-01	5.471E-01	5.331E-01	4.970E-01	5.383E-01	2.882E-01	3.139E-01	4.803E-01	4.646E-01	3.577E-01	4.547E-01
298	1.613E-02	2.853E-02	2.403E-02	2.338E-02	2.596E-02	1.319E-02	1.560E-02	2.617E-02	2.531E-02	1.446E-02	2.252E-02
299	7.573E-02	1.787E-01	2.474E-01	1.495E-01	2.608E-01	8.152E-02	1.279E-01	3.487E-01	1.660E-01	3.261E-02	1.116E-01
300	3.046E-03	1.045E-02	1.169E-02	5.685E-03	1.963E-02	5.578E-03	9.975E-03	1.997E-02	1.148E-02	1.729E-03	5.792E-03
301	6.672E-02	1.083E-01	1.401E-01	1.025E-01	1.637E-01	5.020E-02	8.688E-02	1.965E-01	1.240E-01	2.960E-02	9.568E-02
302	8.281E-03	4.226E-02	1.828E-02	2.488E-02	5.213E-02	1.113E-02	4.741E-02	2.853E-02	3.475E-02	8.173E-03	1.639E-02
303	2.812E-01	5.295E-01	4.325E-01	3.334E-01	5.850E-01	2.049E-01	2.695E-01	4.206E-01	4.241E-01	2.626E-01	3.829E-01
304	5.020E-03	1.094E-02	7.015E-03	4.033E-03	9.804E-03	1.750E-03	6.715E-03	4.591E-03	6.285E-03	1.886E-03	4.248E-03
305	3.791E-01	8.057E-01	8.417E-01	8.371E-01	8.839E-01	4.097E-01	4.543E-01	7.771E-01	5.369E-01	1.161E-01	4.065E-01
306	2.274E-02	7.036E-02	5.921E-02	6.457E-02	5.985E-02	3.347E-02	3.625E-02	5.256E-02	4.097E-02	6.135E-03	2.896E-02
307	1.403E+00	4.356E+00	1.994E+00	1.422E+00	3.760E+00	1.356E+00	1.789E+00	1.860E+00	3.108E+00	1.117E+00	2.181E+00
308	2.488E-02	7.787E-02	3.561E-02	2.639E-02	6.071E-02	2.252E-02	3.218E-02	3.025E-02	5.234E-02	2.210E-02	3.904E-02
309	5.449E-03	7.122E-03	9.568E-03	8.988E-03	9.117E-03	3.025E-03	5.406E-03	7.380E-03	3.518E-03	1.572E-03	4.634E-03
310	2.617E-03	9.975E-03	4.033E-03	3.068E-03	5.964E-03	4.934E-03	2.596E-03	4.591E-03	2.596E-03	5.191E-03	1.735E-03
311	8.710E-04	2.381E-03	1.062E-03	0.000E+00	7.015E-04	2.703E-03	1.083E-03	5.985E-04	2.596E-03	6.285E-04	7.723E-04
312	0.000E+00	9.503E-04	2.126E-04	4.741E-04	3.497E-04	6.371E-04	8.667E-04	5.985E-04	9.246E-04	1.572E-04	5.792E-04
313	1.285E-01	2.795E-01	2.202E-01	3.102E-01	2.667E-01	1.163E-01	1.379E-01	2.107E-01	2.339E-01	9.074E-02	1.787E-01
314	6.972E-03	2.810E-02	8.495E-03	1.326E-02	1.648E-02	6.050E-03	9.310E-03	9.589E-03	9.997E-03	4.719E-03	1.040E-02
315	2.789E-02	4.526E-02	5.234E-02	4.483E-02	4.097E-02	1.892E-02	2.660E-02	5.256E-02	5.492E-02	1.555E-02	4.140E-02
316	6.543E-04	9.503E-04	1.062E-03	1.658E-03	1.753E-03	3.175E-04	1.517E-03	2.789E-03	1.480E-03	1.572E-04	1.542E-03
317	3.647E-02	3.947E-02	3.797E-02	4.419E-02	3.883E-02	2.188E-02	2.531E-02	3.711E-02	5.041E-02	2.789E-02	3.883E-02
318	1.963E-03	4.762E-03	1.701E-03	3.325E-03	2.102E-03	2.068E-03	2.596E-03	3.003E-03	3.518E-03	4.719E-04	1.349E-03
319	2.348E-01	2.895E-01	2.782E-01	2.801E-01	3.684E-01	1.665E-01	1.656E-01	2.441E-01	3.645E-01	1.944E-01	2.836E-01
320	8.710E-04	9.503E-04	4.248E-04	1.184E-03	7.015E-04	6.371E-04	1.300E-03	5.985E-04	5.556E-04	7.851E-04	1.735E-03
321	1.652E-01	2.709E-01	3.458E-01	4.277E-01	3.529E-01	2.006E-01	1.826E-01	3.310E-01	3.153E-01	5.964E-02	1.961E-01
322	7.186E-03	1.188E-02	9.568E-03	1.137E-02	1.156E-02	5.578E-03	5.856E-03	7.980E-03	1.184E-02	2.682E-03	9.246E-03
323	2.498E-01	4.088E-01	3.222E-01	3.175E-01	4.314E-01	2.201E-01	1.969E-01	2.769E-01	3.621E-01	1.407E-01	3.049E-01
324	7.637E-03	1.568E-02	9.997E-03	1.184E-02	1.191E-02	5.578E-03	1.019E-02	1.178E-02	1.036E-02	3.304E-03	1.098E-02
325	1.111E-02	1.806E-02	2.210E-02	1.043E-02	1.577E-02	1.384E-02	9.310E-03	1.478E-02	2.446E-02	8.023E-03	1.098E-02
326	1.090E-03	4.269E-03	1.701E-03	2.832E-03	1.753E-03	2.068E-03	2.810E-03	7.980E-04	1.109E-03	9.439E-04	7.723E-04
327	1.461E-02	2.424E-02	2.960E-02	1.965E-02	2.139E-02	1.560E-02	1.776E-02	1.796E-02	2.109E-02	1.242E-02	1.427E-02
328	1.744E-03	5.234E-03	1.274E-03	2.832E-03	1.753E-03	9.546E-04	2.167E-03	1.197E-03	9.246E-04	7.851E-04	1.542E-03

	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
329	3.791E-01	7.121E-01	5.771E-01	7.040E-01	7.700E-01	3.110E-01	4.129E-01	6.551E-01	6.589E-01	2.829E-01	5.253E-01
330	3.711E-03	9.031E-03	6.371E-03	8.281E-03	6.650E-03	3.347E-03	4.333E-03	7.380E-03	7.208E-03	2.832E-03	4.827E-03
331	3.196E-02	4.998E-02	6.285E-02	4.805E-02	6.307E-02	2.596E-02	4.012E-02	5.020E-02	5.642E-02	1.948E-02	3.990E-02
332	2.188E-04	1.901E-03	1.701E-03	1.184E-03	2.446E-03	1.431E-03	2.381E-03	1.796E-03	1.109E-03	4.719E-04	5.792E-04
333	2.094E-02	3.668E-02	4.891E-02	3.218E-02	3.368E-02	2.115E-02	2.036E-02	3.068E-02	3.926E-02	1.384E-02	2.141E-02
334	4.355E-04	0.000E+00	6.371E-04	4.741E-04	1.403E-03	0.000E+00	2.167E-04	1.997E-04	1.849E-04	0.000E+00	1.929E-04
335	4.162E-02	9.546E-02	7.272E-02	7.680E-02	8.173E-02	3.411E-02	5.513E-02	6.200E-02	8.710E-02	4.441E-02	4.677E-02
336	1.525E-03	6.650E-03	3.604E-03	4.269E-03	4.548E-03	1.750E-03	2.381E-03	3.797E-03	4.248E-03	1.886E-03	2.122E-03
337	6.393E-02	1.407E-01	1.519E-01	1.982E-01	1.549E-01	7.530E-02	1.025E-01	1.283E-01	1.298E-01	5.020E-02	8.817E-02
338	1.309E-03	3.325E-03	2.553E-03	2.832E-03	3.153E-03	1.272E-03	1.950E-03	2.188E-03	2.403E-03	6.285E-04	1.542E-03
339	4.333E-02	9.224E-02	7.380E-02	7.616E-02	7.015E-02	4.205E-02	4.870E-02	6.586E-02	7.594E-02	4.312E-02	5.384E-02
340	2.403E-03	6.178E-03	4.677E-03	6.157E-03	5.599E-03	3.347E-03	4.333E-03	4.998E-03	3.690E-03	1.257E-03	3.861E-03
341	7.422E-03	1.615E-02	9.782E-03	6.865E-03	1.261E-02	4.612E-03	6.715E-03	8.195E-03	4.805E-03	4.719E-03	6.757E-03
342	1.963E-03	9.503E-04	4.248E-04	9.482E-04	2.102E-03	1.113E-03	1.083E-03	1.397E-03	5.556E-04	9.439E-04	5.792E-04
343	7.637E-03	1.521E-02	1.233E-02	1.184E-02	9.117E-03	4.934E-03	7.144E-03	9.589E-03	7.208E-03	6.135E-03	7.723E-03
344	4.355E-04	9.503E-04	4.248E-04	2.360E-04	1.403E-03	4.762E-04	4.333E-04	3.990E-04	1.849E-04	1.572E-04	0.000E+00

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
1	**14627**	**14607**	**14603**	**14538**	**13908**	**13898**	**CA375**	**CA571**	**CA256**	**CA263**	**CA272**
2	**Late Malignant**	**Late Malignant**	**Late Malignant**	**Late Malignant**	**Late Malignant**	**Late Malignant**	**Control**	**Control**	**Control**	**Control**	**Control**
3	3	3	3	3	3	3	0	0	0	0	0
4	-1	-1	-1	-1	-1	-1	1	1	1	1	1
5	2.007E+00	1.394E+00	2.043E+00	2.589E+00	2.637E+00	2.892E+00	9.534E-01	8.979E-01	8.192E-01	1.157E+00	1.224E+00
6	8.070E-01	3.670E-01	5.665E-01	8.802E-01	4.796E-01	6.024E-01	2.350E-01	3.144E-01	3.305E-01	3.004E-01	4.067E-01
7	2.511E-01	1.234E-01	2.307E-01	3.648E-01	2.039E-01	3.348E-01	9.056E-02	1.105E-01	9.120E-02	1.277E-01	1.212E-01
8	8.741E-01	2.185E+00	1.517E+00	1.147E+00	3.763E+00	1.455E+00	8.871E-01	6.813E-01	7.063E-01	6.491E-01	1.333E+00
9	2.854E-02	2.489E-02	2.843E-02	3.112E-02	2.693E-02	3.519E-02	2.371E-02	1.770E-02	2.264E-02	1.813E-02	1.277E-02
10	1.170E-02	1.159E-02	1.384E-02	2.800E-02	1.094E-02	1.599E-02	1.159E-02	8.423E-03	6.513E-03	6.212E-03	6.384E-03
11	1.577E-02	1.084E-02	1.384E-02	2.736E-02	5.880E-03	1.438E-02	4.356E-03	2.532E-03	8.251E-03	1.053E-02	8.509E-03
12	1.288E-02	2.489E-03	1.056E-02	1.524E-02	1.180E-02	6.406E-03	8.230E-03	3.369E-03	4.775E-03	4.303E-03	1.105E-02
13	3.498E-03	1.824E-02	1.792E-02	2.543E-03	2.940E-02	2.006E-02	1.159E-02	7.157E-03	1.255E-02	5.258E-03	1.835E-02
14	9.335E-02	8.219E-02	4.464E-02	1.427E-01	2.854E-02	6.964E-02	1.942E-02	2.403E-02	2.564E-02	2.918E-02	2.983E-02
15	6.416E-03	2.489E-03	1.223E-02	1.084E-02	6.717E-03	7.210E-03	4.839E-03	2.103E-03	6.084E-03	5.258E-03	3.401E-03
16	5.837E-04	0.000E+00	0.000E+00	0.000E+00	2.521E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.785E-04	1.277E-03
17	4.088E-03	1.663E-03	5.687E-03	2.543E-03	8.401E-04	6.406E-03	3.391E-03	4.217E-04	1.738E-03	2.865E-03	1.706E-03
18	2.221E-02	2.242E-02	3.412E-02	2.221E-02	6.212E-02	4.968E-02	2.854E-02	2.318E-02	2.650E-02	3.348E-02	2.339E-02
19	1.363E-01	6.148E-02	1.556E-01	1.749E-01	1.000E-01	2.167E-01	4.936E-02	4.045E-02	4.217E-02	5.258E-02	4.721E-02
20	0.000E+00	0.000E+00	1.620E-03	6.363E-04	8.401E-04	2.403E-03	2.425E-03	3.369E-03	1.738E-03	9.560E-04	1.277E-03
21	7.006E-03	7.468E-03	7.307E-03	7.629E-03	1.931E-02	8.809E-03	1.309E-02	1.094E-02	1.695E-02	1.191E-02	1.191E-02
22	2.918E-03	2.489E-03	3.251E-03	6.363E-04	2.521E-03	6.406E-03	1.942E-03	3.369E-03	1.298E-03	2.865E-03	8.509E-04
23	4.431E-02	2.242E-02	4.056E-02	4.828E-02	2.693E-02	4.807E-02	3.487E-02	3.283E-02	2.307E-02	2.436E-02	2.897E-02
24	7.060E-02	4.152E-02	8.691E-02	6.491E-02	8.144E-02	7.768E-02	4.506E-02	5.515E-02	4.260E-02	4.635E-02	4.421E-02
25	3.208E-02	1.491E-02	1.706E-02	2.350E-02	1.513E-02	1.685E-02	1.116E-02	1.266E-02	5.644E-03	1.004E-02	1.320E-02
26	2.157E-02	1.910E-02	2.758E-02	2.865E-02	1.845E-02	1.042E-02	8.230E-03	1.011E-02	7.822E-03	1.148E-02	9.785E-03
27	4.667E-03	8.305E-04	7.307E-03	3.820E-03	1.685E-03	7.210E-03	1.942E-03	2.951E-03	3.036E-03	1.438E-03	8.509E-04
28	3.273E-02	1.996E-02	2.275E-02	2.994E-02	2.350E-02	2.961E-02	2.661E-02	2.994E-02	1.910E-02	2.961E-02	2.811E-02
29	2.511E-02	2.661E-02	2.918E-02	3.562E-02	1.685E-02	4.571E-02	4.067E-02	4.045E-02	2.865E-02	3.305E-02	4.464E-02
30	7.532E-02	4.571E-02	8.530E-02	7.629E-02	7.897E-02	9.775E-02	6.781E-02	9.646E-02	6.642E-02	7.704E-02	5.740E-02
31	7.350E-02	4.818E-02	8.852E-02	6.298E-02	5.376E-02	7.607E-02	4.893E-02	8.594E-02	4.174E-02	5.064E-02	5.322E-02
32	4.785E-02	4.903E-02	4.710E-02	6.738E-02	1.025E-01	7.768E-02	4.410E-02	3.112E-02	4.088E-02	3.391E-02	6.845E-02
33	9.335E-03	7.468E-03	1.223E-02	1.395E-02	1.427E-02	1.363E-02	7.747E-03	1.352E-02	7.382E-03	1.717E-02	1.234E-02
34	6.373E-01	5.536E-01	6.695E-01	7.146E-01	1.208E+00	8.178E-01	1.545E-01	1.717E-01	1.459E-01	1.835E-01	1.717E-01
35	1.567E-01	9.549E-02	8.852E-02	8.208E-02	5.794E-02	9.850E-02	7.114E-02	9.979E-02	6.255E-02	5.740E-02	7.876E-02
36	9.914E-03	9.968E-03	7.307E-03	4.453E-03	3.358E-03	4.002E-03	1.017E-02	1.137E-02	5.215E-03	4.785E-03	3.401E-03
37	7.006E-03	9.131E-03	1.620E-02	1.781E-02	1.685E-02	9.614E-03	1.599E-02	1.727E-02	1.043E-02	1.288E-02	1.577E-02
38	1.459E-02	2.908E-02	3.004E-02	2.607E-02	3.112E-02	2.886E-02	1.545E-02	1.137E-02	1.298E-02	1.053E-02	1.448E-02
39	6.824E-02	1.191E-01	3.820E-02	1.738E-01	2.189E-02	4.249E-02	1.363E-01	1.070E-01	1.137E-01	6.502E-02	8.466E-02
40	1.567E-01	1.116E-01	1.341E-01	1.481E-01	1.974E-01	1.502E-01	1.352E-01	1.609E-01	1.395E-01	1.867E-01	1.620E-01
41	1.749E-02	2.328E-02	2.597E-02	2.414E-02	3.863E-02	2.479E-02	1.738E-02	2.532E-02	1.255E-02	2.060E-02	2.124E-02

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
42	2.339E-03	1.663E-03	4.871E-03	1.277E-03	5.043E-03	2.403E-03	9.689E-04	0.000E+00	1.738E-03	3.348E-03	0.000E+00
43	4.347E-03	7.176E-03	6.224E-03	8.230E-03	2.014E-02	7.690E-03	7.536E-03	4.938E-03	4.578E-03	5.607E-03	4.990E-03
44	2.869E-01	3.451E-01	4.221E-01	3.595E-01	7.799E-01	4.412E-01	9.593E-02	1.016E-01	8.796E-02	1.181E-01	1.039E-01
45	1.301E-01	1.106E-01	1.389E-01	1.309E-01	1.749E-01	1.222E-01	5.118E-02	4.732E-02	4.372E-02	4.990E-02	5.581E-02
46	1.093E-01	1.047E-01	1.741E-01	1.237E-01	2.181E-01	1.384E-01	7.587E-02	7.021E-02	6.121E-02	7.947E-02	5.530E-02
47	2.052E-01	2.721E-01	2.871E-01	2.735E-01	5.147E-01	2.799E-01	5.607E-02	6.121E-02	5.298E-02	6.096E-02	6.610E-02
48	3.035E-02	3.575E-02	2.855E-02	4.758E-02	2.315E-02	1.767E-02	9.645E-03	7.562E-03	8.745E-03	9.851E-03	6.636E-03
49	1.427E-02	2.130E-02	1.363E-02	3.009E-02	1.127E-02	1.114E-02	5.684E-03	3.421E-03	5.092E-03	5.272E-03	5.401E-03
50	5.324E-03	6.558E-03	3.112E-03	6.250E-03	2.623E-03	3.061E-03	2.906E-03	1.312E-03	2.701E-03	1.834E-03	2.040E-03
51	1.168E-01	1.582E-01	1.181E-01	1.255E-01	2.565E-01	1.801E-01	1.947E-01	1.926E-01	2.241E-01	2.949E-01	1.646E-01
52	1.538E-03	3.987E-03	2.726E-03	1.525E-03	7.047E-03	2.881E-03	4.295E-03	3.344E-03	1.978E-03	2.855E-03	2.243E-03
53	8.822E-02	6.867E-02	9.182E-02	9.182E-02	1.654E-01	1.232E-01	2.649E-02	2.649E-02	2.312E-02	2.881E-02	2.906E-02
54	5.203E+00	3.036E+00	4.612E+00	4.293E+00	3.105E+00	4.472E+00	5.805E+00	5.703E+00	6.093E+00	5.779E+00	6.435E+00
55	5.714E-01	5.790E-01	6.411E-01	6.069E-01	7.435E-01	6.524E-01	6.905E-01	6.929E-01	6.177E-01	7.799E-01	5.443E-01
56	1.749E-01	1.237E-01	1.533E-01	1.389E-01	1.358E-01	1.391E-01	1.795E-01	1.875E-01	1.918E-01	1.783E-01	1.908E-01
57	3.504E+00	2.926E+00	3.984E+00	3.763E+00	3.652E+00	3.943E+00	4.301E+00	4.231E+00	3.866E+00	4.611E+00	3.420E+00
58	3.292E-02	4.141E-02	5.581E-02	4.038E-02	6.404E-02	3.729E-02	4.141E-02	3.575E-02	2.932E-02	3.729E-02	3.575E-02
59	8.050E-02	5.735E-02	6.996E-02	8.256E-02	7.099E-02	8.230E-02	7.304E-02	7.690E-02	6.970E-02	8.565E-02	7.047E-02
60	4.064E-02	3.395E-02	3.704E-02	4.527E-02	6.739E-02	5.401E-02	1.348E-02	1.263E-02	1.134E-02	1.409E-02	1.682E-02
61	1.598E+00	1.721E+00	1.281E+00	1.809E+00	4.058E-01	1.087E+00	1.423E+00	1.008E+00	1.392E+00	1.082E+00	9.147E-01
62	3.284E-01	3.111E-01	2.433E-01	2.726E-01	3.137E-01	2.531E-01	4.201E-01	4.533E-01	4.257E-01	3.846E-01	5.824E-01
63	1.175E-02	1.453E-02	1.150E-02	1.692E-02	8.667E-03	8.642E-03	1.021E-02	9.079E-03	1.073E-02	9.413E-03	6.841E-03
64	2.996E+00	2.345E+00	1.839E+00	2.328E+00	1.766E+00	2.345E+00	3.562E+00	3.680E+00	4.023E+00	3.015E+00	3.917E+00
65	1.157E-01	1.070E-01	8.848E-02	9.105E-02	1.335E-01	1.016E-01	1.201E-01	1.255E-01	1.186E-01	1.078E-01	1.345E-01
66	5.771E-01	6.003E-01	4.509E-01	5.784E-01	5.554E-01	6.019E-01	8.158E-01	8.871E-01	7.672E-01	6.937E-01	7.416E-01
67	4.758E-02	7.176E-02	6.687E-02	5.787E-02	1.111E-01	6.070E-02	4.475E-02	5.453E-02	4.912E-02	4.630E-02	3.549E-02
68	1.979E-01	1.909E-01	1.510E-01	2.188E-01	3.488E-01	2.698E-01	4.115E-02	4.578E-02	4.167E-02	3.987E-02	4.887E-02
69	8.396E-01	1.002E+00	4.781E-01	1.002E+00	1.937E-01	5.040E-01	6.950E-01	4.697E-01	7.641E-01	4.747E-01	4.809E-01
70	3.935E-02	6.121E-02	3.163E-02	3.472E-02	3.138E-02	2.322E-02	2.983E-02	2.150E-02	2.829E-02	2.292E-02	1.888E-02
71	9.645E-03	1.751E-02	3.884E-03	1.541E-02	7.047E-03	6.713E-03	4.655E-03	5.967E-03	6.661E-03	4.707E-03	5.401E-03
72	1.957E-03	3.781E-03	3.112E-03	5.195E-03	3.009E-03	2.304E-03	2.675E-03	3.241E-03	3.215E-03	3.086E-03	1.836E-03
73	0.000E+00	8.736E-04	8.544E-04	1.343E-03	8.837E-04	8.431E-04	0.000E+00	1.772E-03	2.280E-03	5.034E-04	1.343E-03
74	4.910E-03	3.499E-03	5.982E-03	8.025E-03	5.305E-03	1.011E-02	2.551E-03	4.436E-03	2.280E-03	2.009E-03	2.686E-03
75	1.196E-01	3.228E-02	1.102E-01	6.084E-02	8.928E-02	6.907E-02	3.002E-02	6.907E-02	2.743E-02	3.172E-02	4.255E-02
76	2.156E-01	2.968E-02	1.230E-01	7.822E-02	1.580E-01	1.151E-01	4.481E-02	1.125E-01	2.833E-02	4.932E-02	6.400E-02
77	3.194E-02	3.499E-03	1.196E-02	4.018E-03	1.411E-02	7.585E-03	5.090E-03	5.316E-03	5.023E-03	4.029E-03	4.921E-03
78	5.519E-03	0.000E+00	8.544E-04	6.693E-04	0.000E+00	8.431E-04	5.090E-04	4.436E-04	1.366E-03	5.034E-04	0.000E+00
79	6.140E-04	3.499E-03	1.704E-03	6.693E-04	3.533E-03	4.210E-03	0.000E+00	8.860E-04	4.571E-04	1.006E-03	0.000E+00
80	1.840E-03	2.619E-03	1.704E-03	1.343E-03	8.837E-04	8.431E-04	1.019E-03	1.332E-03	1.366E-03	1.006E-03	1.343E-03
81	5.519E-03	1.309E-02	1.111E-02	1.208E-02	9.718E-03	6.738E-03	6.625E-03	3.984E-03	4.571E-03	6.038E-03	4.921E-03
82	3.070E-03	0.000E+00	2.562E-03	6.693E-04	4.413E-03	7.585E-03	1.019E-03	4.876E-03	0.000E+00	7.043E-03	4.481E-03

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
83	4.910E-03	0.000E+00	1.704E-03	0.000E+00	1.772E-03	4.210E-03	1.019E-03	3.104E-03	0.000E+00	2.517E-03	2.235E-03
84	4.910E-03	1.140E-02	1.704E-02	7.359E-03	1.772E-02	1.603E-02	8.149E-03	5.316E-03	7.314E-03	8.047E-03	5.813E-03
85	4.300E-03	8.736E-04	2.562E-03	1.343E-03	2.652E-03	3.375E-03	5.090E-04	2.212E-03	1.828E-03	4.029E-03	8.950E-04
86	8.589E-03	3.499E-03	1.287E-02	4.018E-03	1.061E-02	9.266E-03	7.641E-03	8.420E-03	2.280E-03	6.535E-03	8.059E-03
87	3.679E-02	1.659E-02	5.553E-02	2.946E-02	3.804E-02	3.284E-02	1.885E-02	5.666E-02	1.467E-02	2.619E-02	2.325E-02
88	7.980E-03	0.000E+00	8.544E-03	3.341E-03	6.185E-03	4.210E-03	3.059E-03	7.088E-03	9.142E-04	5.530E-03	2.235E-03
89	2.946E-02	1.749E-03	1.111E-02	1.343E-03	1.682E-02	1.264E-02	5.090E-03	1.727E-02	6.400E-03	1.006E-02	1.298E-02
90	8.228E-02	1.569E-02	3.070E-02	1.806E-02	2.122E-02	3.792E-02	1.783E-02	3.860E-02	1.140E-02	2.370E-02	2.099E-02
91	1.659E-02	6.986E-03	5.124E-03	5.350E-03	1.061E-02	5.903E-03	5.090E-03	8.860E-03	5.023E-03	1.512E-03	7.607E-03
92	1.591E-02	7.856E-03	1.287E-02	9.368E-03	2.032E-02	1.772E-02	1.121E-02	1.546E-02	6.851E-03	1.056E-02	1.388E-02
93	4.910E-03	5.237E-03	5.124E-03	8.025E-03	7.957E-03	6.738E-03	4.582E-03	1.019E-02	9.142E-04	7.551E-03	3.138E-03
94	1.230E-03	1.749E-03	3.420E-03	1.343E-03	3.533E-03	3.375E-03	1.524E-03	1.772E-03	3.194E-03	2.517E-03	0.000E+00
95	4.300E-02	4.368E-03	5.982E-03	1.467E-02	7.957E-03	1.185E-02	7.133E-03	9.300E-03	6.851E-03	1.512E-03	5.813E-03
96	2.144E-02	7.856E-03	2.562E-03	1.343E-03	5.305E-03	5.903E-03	2.551E-03	7.088E-03	6.400E-03	1.512E-03	8.059E-03
97	9.819E-03	4.368E-03	7.686E-03	6.693E-04	5.305E-03	5.903E-03	3.567E-03	5.316E-03	1.366E-03	1.512E-03	2.235E-03
98	9.210E-03	5.237E-03	1.196E-02	7.359E-03	6.185E-03	8.431E-03	1.019E-02	8.860E-03	6.400E-03	7.551E-03	1.208E-02
99	5.003E-02	9.209E-02	1.105E-01	7.848E-02	9.503E-02	8.792E-02	1.207E-01	7.554E-02	8.682E-02	8.633E-02	1.447E-01
100	2.538E-02	3.507E-02	4.831E-02	3.483E-02	6.438E-02	4.304E-02	2.489E-02	1.974E-02	2.685E-02	2.735E-02	2.428E-02
101	1.324E-01	1.324E-01	1.766E-01	1.619E-01	1.251E-01	2.305E-01	1.422E-01	1.349E-01	1.398E-01	1.459E-01	1.251E-01
102	4.905E-01	9.755E-01	6.597E-01	4.402E-01	1.096E+00	5.494E-01	6.070E-01	5.874E-01	5.028E-01	5.996E-01	5.015E-01
103	2.134E-01	1.631E-01	2.023E-01	2.244E-01	1.496E-01	3.078E-01	1.643E-01	1.435E-01	1.864E-01	1.729E-01	1.717E-01
104	2.036E-01	2.845E-01	2.428E-01	1.790E-01	3.384E-01	2.403E-01	2.477E-01	2.649E-01	1.876E-01	2.759E-01	2.624E-01
105	7.541E-01	1.301E+00	1.004E+00	8.007E-01	1.234E+00	9.704E-01	7.014E-01	6.830E-01	7.650E-01	7.590E-01	6.773E-01
106	8.866E-02	1.324E-01	1.606E-01	1.471E-01	2.060E-01	1.435E-01	1.631E-01	1.386E-01	1.349E-01	1.239E-01	1.864E-01
107	9.332E-02	1.300E-01	1.216E-01	1.053E-01	1.901E-01	1.717E-01	1.189E-01	9.675E-02	1.142E-01	9.834E-02	1.459E-01
108	1.852E-01	2.183E-01	1.508E-01	1.827E-01	1.398E-01	1.754E-01	1.876E-01	1.557E-01	1.778E-01	1.508E-01	1.937E-01
109	3.998E-03	1.044E-02	8.351E-03	3.630E-03	2.207E-02	5.494E-03	7.750E-03	6.254E-03	1.987E-03	4.917E-03	5.346E-03
110	3.139E-02	2.845E-02	2.502E-02	4.500E-02	2.685E-02	3.568E-02	2.820E-02	3.372E-02	3.127E-02	4.488E-02	3.887E-02
111	1.937E-02	1.239E-02	3.151E-02	1.594E-02	2.882E-02	2.649E-02	1.606E-02	2.403E-02	2.281E-02	2.575E-02	2.330E-02
112	1.133E-02	4.746E-03	2.134E-02	1.312E-02	2.587E-02	2.109E-02	1.827E-02	1.778E-02	8.939E-03	1.864E-02	1.410E-02
113	2.673E-03	3.801E-03	5.567E-03	5.089E-03	2.882E-03	4.574E-03	1.051E-02	9.148E-03	2.477E-03	4.917E-03	4.378E-03
114	6.671E-03	6.646E-03	7.431E-03	3.630E-03	5.763E-03	9.160E-03	6.082E-03	4.819E-03	1.042E-02	7.652E-03	4.868E-03
115	5.334E-03	1.901E-03	1.300E-02	1.162E-02	2.011E-02	1.459E-02	1.435E-02	1.729E-02	8.437E-03	9.834E-03	1.361E-02
116	5.996E-03	2.845E-03	7.431E-03	5.089E-03	1.153E-02	7.321E-03	3.875E-03	6.744E-03	1.987E-03	3.826E-03	5.346E-03
117	8.007E-03	8.535E-03	1.398E-02	9.454E-03	2.109E-02	1.373E-02	5.530E-03	1.059E-02	6.450E-03	1.422E-02	8.755E-03
118	7.333E-03	8.535E-03	1.113E-02	3.630E-03	1.056E-02	1.007E-02	2.771E-03	4.329E-03	3.973E-03	7.100E-03	1.021E-02
119	1.398E-02	6.646E-03	4.635E-03	7.272E-03	8.645E-03	1.557E-02	1.051E-02	1.398E-02	6.953E-03	9.834E-03	7.774E-03
120	8.670E-03	1.139E-02	8.351E-03	7.995E-03	1.349E-02	9.160E-03	1.107E-02	5.297E-03	1.042E-02	1.203E-02	6.315E-03
121	8.353E-03	1.184E-02	4.648E-02	1.362E-02	1.264E-01	2.867E-02	5.539E-02	6.625E-02	4.657E-02	8.896E-02	6.394E-02
122	3.758E-02	1.425E-01	9.884E-02	4.096E-02	2.164E-01	1.318E-01	8.994E-02	1.416E-01	1.674E-01	1.167E-01	1.585E-01
123	2.947E+00	1.362E+00	3.749E+00	2.867E+00	2.760E+00	4.666E+00	1.968E+00	2.084E+00	1.861E+00	2.315E+00	1.977E+00

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
124	2.084E-02	1.184E-02	4.648E-02	1.817E-02	7.809E-02	4.586E-02	5.886E-02	6.028E-02	6.527E-02	9.617E-02	2.743E-02
125	1.674E-02	4.159E-02	1.745E-02	5.459E-02	5.405E-02	4.016E-02	7.275E-02	1.354E-01	3.731E-02	1.193E-01	9.172E-02
126	2.841E-01	4.577E-01	3.491E-01	3.366E-01	5.289E-01	2.636E-01	7.551E-01	1.051E+00	1.033E+00	7.257E-01	8.584E-01
127	1.175E+00	8.851E-01	1.300E+00	9.706E-01	1.469E+00	1.069E+00	1.416E+00	3.295E+00	1.719E+00	1.906E+00	1.870E+00
128	2.235E+00	8.557E-01	2.752E+00	2.146E+00	1.505E+00	3.847E+00	1.532E+00	1.728E+00	1.496E+00	1.487E+00	1.487E+00
129	4.176E-02	2.378E-02	5.227E-02	2.734E-02	7.809E-02	5.735E-02	6.233E-02	3.010E-02	2.796E-02	5.476E-02	3.954E-02
130	4.809E+00	1.284E+01	4.693E+00	9.687E+00	3.874E+00	3.606E+00	1.008E+01	7.383E+00	1.106E+01	7.654E+00	8.127E+00
131	6.391E+00	1.018E+01	3.651E+00	1.318E+01	1.968E+00	3.081E+00	6.937E+00	5.637E+00	9.006E+00	6.330E+00	7.208E+00
132	5.423E-02	1.247E-01	1.282E-01	2.734E-02	9.617E-02	6.874E-02	8.664E-02	6.625E-02	1.086E-01	5.815E-02	8.522E-02
133	2.502E-02	2.974E-02	1.745E-02	1.362E-02	6.011E-03	3.437E-02	1.389E-02	6.028E-03	6.215E-03	2.057E-02	2.128E-02
134	2.084E-02	4.755E-02	2.324E-02	2.271E-02	1.799E-02	4.016E-02	2.422E-02	1.202E-02	9.350E-03	1.024E-02	2.128E-02
135	1.256E-02	3.562E-02	4.069E-02	1.362E-02	4.203E-02	3.437E-02	2.075E-02	1.505E-02	9.350E-03	2.395E-02	1.220E-02
136	8.353E-03	5.939E-03	5.815E-02	4.550E-03	3.606E-02	1.719E-02	1.389E-02	2.413E-02	1.861E-02	3.081E-02	4.265E-02
137	6.679E-02	8.317E-02	1.167E-01	3.642E-02	6.607E-02	5.735E-02	1.104E-01	6.028E-02	9.350E-02	8.210E-02	6.999E-02
138	3.339E-02	3.562E-02	0.000E+00	1.362E-02	4.809E-02	4.016E-02	1.042E-02	3.918E-02	2.173E-02	2.057E-02	2.743E-02
139	1.416E-01	1.069E-01	2.030E-01	1.594E-01	7.213E-02	1.834E-01	1.318E-01	2.324E-01	2.146E-01	1.300E-01	1.799E-01
140	1.042E-01	7.720E-02	1.104E-01	7.738E-02	5.405E-02	1.371E-01	8.994E-02	1.238E-01	1.211E-01	1.612E-01	8.219E-02
141	2.084E-02	9.528E-02	4.069E-02	5.459E-02	7.213E-02	2.867E-02	4.506E-02	4.221E-02	3.731E-02	2.395E-02	6.394E-02
142	2.502E-02	4.755E-02	2.903E-02	2.271E-02	2.404E-02	1.719E-02	2.422E-02	6.028E-03	6.215E-03	1.024E-02	6.091E-03
143	2.084E-02	5.939E-03	3.491E-02	4.096E-02	2.404E-02	3.437E-02	3.464E-02	2.716E-02	2.484E-02	2.734E-02	2.431E-02
144	2.921E-02	4.159E-02	2.324E-02	2.271E-02	1.202E-02	1.149E-02	2.769E-02	5.120E-02	5.280E-02	4.791E-02	3.651E-02
145	2.502E-02	3.562E-02	2.903E-02	2.271E-02	1.202E-02	2.289E-02	3.117E-02	4.817E-02	3.108E-02	3.081E-02	1.523E-02
146	2.422E-01	1.541E-01	2.030E-01	2.271E-01	6.607E-02	2.520E-01	1.799E-01	9.350E-02	1.674E-01	7.186E-02	1.282E-01
147	1.131E-01	1.131E-01	9.884E-02	6.821E-02	5.405E-02	5.156E-02	6.233E-02	1.024E-01	8.700E-02	1.131E-01	1.158E-01
148	3.045E-01	2.315E-01	2.262E-01	2.137E-01	1.683E-01	4.524E-01	2.805E-01	6.055E-01	4.292E-01	2.636E-01	2.858E-01
149	1.380E-01	5.939E-02	9.884E-02	5.913E-02	6.607E-02	9.706E-02	7.275E-02	1.443E-01	8.994E-02	6.500E-02	8.825E-02
150	8.353E-03	1.781E-02	4.648E-02	2.271E-02	3.001E-02	3.437E-02	3.464E-03	9.083E-03	6.215E-03	2.057E-02	9.172E-03
151	1.674E-02	4.755E-02	1.745E-02	2.271E-02	3.001E-02	1.149E-02	2.769E-02	1.202E-02	2.173E-02	2.057E-02	3.045E-02
152	1.674E-02	8.317E-02	2.903E-02	1.362E-02	2.404E-02	3.437E-02	6.581E-02	2.110E-02	3.419E-02	6.848E-02	5.779E-02
153	2.084E-02	1.184E-02	1.167E-02	1.817E-02	6.011E-03	1.149E-02	3.117E-02	1.808E-02	2.173E-02	1.024E-02	2.743E-02
154	1.674E-02	1.184E-02	1.745E-02	4.550E-03	2.404E-02	2.867E-02	6.928E-03	1.505E-02	3.108E-03	1.710E-02	2.431E-02
155	2.921E-02	1.184E-02	1.745E-02	1.817E-02	2.404E-02	4.016E-02	2.075E-02	2.110E-02	2.796E-02	1.710E-02	2.431E-02
156	6.385E-01	4.043E-01	2.903E-01	7.738E-01	5.405E-02	2.983E-01	2.324E-01	1.870E-01	2.894E-01	1.638E-01	2.707E-01
157	1.959E-01	1.362E-01	1.167E-01	1.915E-01	3.606E-02	1.834E-01	1.140E-01	1.024E-01	1.024E-01	6.500E-02	1.336E-01
158	4.720E-01	3.330E-01	3.019E-01	4.319E-01	3.606E-02	3.206E-01	2.734E-01	2.075E-01	3.606E-01	2.057E-01	2.591E-01
159	1.131E-01	1.247E-01	1.282E-01	1.861E-01	4.809E-02	1.202E-01	1.389E-01	9.350E-02	1.496E-01	5.815E-02	8.522E-02
160	2.084E-02	2.974E-02	3.491E-02	4.550E-02	4.203E-02	3.437E-02	4.159E-02	4.817E-02	3.108E-02	4.791E-02	3.651E-02
161	8.353E-03	0.000E+00	4.069E-02	1.362E-02	3.606E-02	4.586E-02	1.389E-02	5.120E-02	4.657E-02	6.848E-03	4.568E-02
162	3.339E-02	3.562E-02	1.167E-02	4.096E-02	6.011E-03	1.149E-02	1.736E-02	3.313E-02	2.484E-02	1.710E-02	3.954E-02
163	3.758E-02	3.562E-02	2.324E-02	3.642E-02	1.799E-02	3.437E-02	1.389E-02	2.716E-02	1.549E-02	3.081E-02	2.128E-02
164	2.084E-02	2.974E-02	1.167E-02	2.734E-02	6.011E-03	1.719E-02	2.422E-02	2.413E-02	1.247E-02	2.395E-02	3.651E-02

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
165	1.674E-02	5.939E-02	4.069E-02	2.271E-02	3.606E-02	1.719E-02	1.736E-02	1.505E-02	2.796E-02	2.734E-02	1.523E-02
166	3.758E-02	2.378E-02	5.227E-02	7.738E-02	1.799E-02	2.867E-02	2.422E-02	3.313E-02	3.419E-02	4.105E-02	1.825E-02
167	3.544E-01	1.781E-01	1.336E-01	4.728E-01	4.203E-02	1.603E-01	1.451E-01	1.051E-01	2.048E-01	1.229E-01	1.069E-01
168	1.131E-01	8.317E-02	1.042E-01	1.638E-01	8.415E-02	1.264E-01	1.175E-01	7.533E-02	1.122E-01	1.131E-01	1.158E-01
169	6.260E-02	8.317E-02	8.718E-02	4.550E-02	3.001E-02	4.016E-02	6.581E-02	5.120E-02	3.731E-02	3.767E-02	5.779E-02
170	1.674E-02	3.562E-02	6.972E-02	3.188E-02	2.404E-02	8.023E-02	4.159E-02	4.817E-02	6.527E-02	3.767E-02	2.431E-02
171	4.176E-03	4.159E-02	2.324E-02	2.271E-02	6.011E-02	5.735E-02	4.853E-02	2.413E-02	3.108E-02	3.419E-02	4.568E-02
172	9.258E-02	1.312E-01	9.283E-02	1.059E-01	1.484E-01	1.089E-01	5.101E-02	7.590E-02	4.917E-02	8.903E-02	4.868E-02
173	2.696E+00	3.375E+00	3.572E+00	2.710E+00	4.401E+00	3.232E+00	1.331E+00	1.627E+00	1.335E+00	1.869E+00	1.503E+00
174	4.861E+00	5.908E+00	6.096E+00	4.668E+00	5.479E+00	5.239E+00	2.008E+00	2.056E+00	2.339E+00	2.563E+00	2.241E+00
175	1.038E+00	1.274E+00	1.275E+00	9.411E-01	1.479E+00	1.098E+00	5.788E-01	8.693E-01	5.273E-01	8.411E-01	8.295E-01
176	2.280E+00	2.370E+00	4.425E+00	3.117E+00	4.819E+00	4.501E+00	1.756E+00	2.313E+00	1.581E+00	2.727E+00	2.648E+00
177	1.093E+00	1.588E+00	1.457E+00	2.035E+00	8.056E-01	1.031E+00	6.278E-01	5.763E-01	6.315E-01	6.904E-01	7.520E-01
178	1.386E-01	2.514E-01	2.183E-01	2.673E-01	1.692E-01	1.459E-01	1.410E-01	1.496E-01	1.435E-01	1.410E-01	1.182E-01
179	1.778E-02	2.207E-02	3.041E-02	3.568E-02	5.543E-02	2.367E-02	2.048E-02	1.913E-02	2.305E-02	1.508E-02	2.685E-02
180	1.496E-02	1.471E-02	4.721E-02	1.128E-02	6.291E-02	2.452E-02	1.815E-02	2.367E-02	9.418E-03	2.403E-02	3.274E-02
181	7.468E-03	1.876E-02	1.275E-02	1.570E-02	2.403E-02	3.004E-02	8.584E-03	9.540E-03	8.988E-03	1.410E-02	1.386E-02
182	8.105E-02	2.195E-01	1.208E-01	7.333E-02	2.072E-01	8.044E-02	1.155E-01	9.749E-02	1.048E-01	1.122E-01	8.596E-02
183	1.312E+00	2.851E+00	1.716E+00	1.070E+00	2.819E+00	1.626E+00	1.651E+00	1.914E+00	1.446E+00	1.819E+00	1.485E+00
184	1.404E+00	3.475E+00	1.888E+00	1.265E+00	2.987E+00	1.583E+00	1.691E+00	1.636E+00	1.560E+00	1.707E+00	1.301E+00
185	9.319E-01	2.137E+00	1.368E+00	7.738E-01	2.139E+00	1.151E+00	1.184E+00	1.185E+00	1.094E+00	1.268E+00	1.033E+00
186	2.384E+00	3.914E+00	2.708E+00	1.702E+00	3.595E+00	2.508E+00	2.393E+00	2.776E+00	2.335E+00	2.609E+00	2.864E+00
187	4.819E-01	8.516E-01	5.923E-01	3.814E-01	8.952E-01	5.763E-01	6.965E-01	9.386E-01	5.665E-01	6.744E-01	9.804E-01
188	2.759E-02	6.793E-02	6.315E-02	3.004E-02	8.105E-02	5.212E-02	5.628E-02	8.670E-02	5.224E-02	5.273E-02	1.111E-01
189	5.175E-03	1.717E-02	1.521E-02	8.142E-03	3.225E-02	1.337E-02	1.435E-02	2.121E-02	1.239E-02	2.403E-02	1.766E-02
190	1.023E-01	2.514E-01	2.391E-01	1.009E-01	2.219E-01	2.121E-01	1.717E-01	2.563E-01	1.349E-01	2.354E-01	2.857E-01
191	1.728E+00	4.177E+00	2.393E+00	3.015E+00	1.292E+00	1.712E+00	2.476E+00	2.228E+00	2.178E+00	2.147E+00	2.551E+00
192	3.826E-01	9.850E-01	5.996E-01	6.609E-01	4.304E-01	3.814E-01	7.259E-01	7.934E-01	6.714E-01	6.303E-01	6.536E-01
193	4.660E-02	9.896E-02	8.007E-02	5.763E-02	1.312E-01	7.345E-02	9.307E-02	1.170E-01	1.019E-01	9.430E-02	1.174E-01
194	5.812E-02	1.186E-01	1.056E-01	6.205E-02	1.582E-01	1.337E-01	8.682E-02	1.178E-01	8.044E-02	1.154E-01	1.132E-01
195	2.931E-02	6.303E-02	4.083E-02	3.630E-02	4.218E-02	6.229E-02	3.679E-02	4.439E-02	3.421E-02	4.525E-02	3.850E-02
196	1.778E-01	3.532E-01	1.208E-01	3.421E-01	6.953E-02	1.089E-01	1.717E-01	2.281E-01	1.594E-01	1.692E-01	2.158E-01
197	1.012E-01	2.060E-01	1.064E-01	1.876E-01	8.105E-02	7.345E-02	1.251E-01	1.729E-01	9.160E-02	1.187E-01	1.643E-01
198	3.679E-02	9.086E-02	7.357E-02	7.137E-02	1.101E-01	5.677E-02	6.303E-02	9.749E-02	7.063E-02	9.001E-02	9.430E-02
199	4.083E-02	3.605E-02	2.318E-01	3.262E-02	1.937E-01	1.827E-01	1.324E-01	2.097E-01	1.422E-01	2.256E-01	1.496E-01
200	3.740E-02	6.131E-02	7.922E-02	4.010E-02	1.398E-01	8.363E-02	6.818E-02	1.162E-01	6.585E-02	1.028E-01	8.547E-02
201	4.145E-02	5.727E-02	5.763E-02	4.194E-02	7.946E-02	6.315E-02	4.488E-02	6.511E-02	4.280E-02	5.518E-02	4.733E-02
202	2.869E-03	3.274E-03	2.722E-02	3.127E-03	2.146E-02	2.600E-02	1.239E-02	1.704E-02	1.239E-02	1.937E-02	1.337E-02
203	1.729E-03	8.179E-04	8.007E-04	1.251E-03	2.477E-03	7.897E-04	9.540E-04	8.302E-04	4.280E-04	0.000E+00	8.387E-04
204	4.022E-03	2.452E-03	2.085E-02	5.015E-03	2.477E-02	2.293E-02	1.717E-02	1.582E-02	6.413E-03	1.741E-02	1.337E-02
205	1.150E-03	2.452E-03	2.403E-03	6.266E-04	8.277E-04	0.000E+00	1.913E-03	2.072E-03	1.288E-03	4.709E-04	3.348E-03

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
206	1.150E-03	3.274E-03	4.083E-02	4.390E-03	3.470E-02	2.685E-02	1.386E-02	2.330E-02	1.459E-02	2.784E-02	2.477E-02
207	5.751E-03	1.717E-02	1.040E-02	1.570E-02	1.484E-02	1.815E-02	1.002E-02	6.634E-03	5.996E-03	8.952E-03	5.028E-03
208	2.305E-03	6.548E-03	3.200E-03	2.502E-03	5.788E-03	4.733E-03	3.335E-03	6.229E-03	2.563E-03	4.243E-03	4.611E-03
209	0.000E+00	0.000E+00	8.007E-04	1.876E-03	2.477E-03	0.000E+00	4.770E-04	8.302E-04	8.559E-04	4.709E-04	8.387E-04
210	5.751E-04	8.179E-04	0.000E+00	0.000E+00	8.277E-04	1.582E-03	0.000E+00	0.000E+00	8.559E-04	0.000E+00	0.000E+00
211	0.000E+00	1.631E-03	0.000E+00	1.251E-03	8.277E-04	1.582E-03	1.435E-03	8.302E-04	8.559E-04	4.709E-04	1.263E-03
212	2.305E-03	4.096E-03	5.604E-03	6.266E-03	2.477E-03	6.315E-03	9.540E-04	1.655E-03	1.288E-03	1.888E-03	2.514E-03
213	1.729E-03	5.727E-03	4.807E-03	3.765E-03	6.622E-03	7.897E-04	2.857E-03	2.072E-03	1.717E-03	3.299E-03	1.680E-03
214	2.869E-03	4.096E-03	2.403E-03	3.127E-03	7.443E-03	3.151E-03	2.391E-03	2.906E-03	1.288E-03	3.299E-03	1.680E-03
215	0.000E+00	8.179E-04	0.000E+00	0.000E+00	1.655E-03	7.897E-04	4.770E-04	4.145E-04	1.288E-03	9.430E-04	8.387E-04
216	5.751E-04	0.000E+00	1.606E-03	6.266E-04	2.477E-03	1.582E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.387E-04
217	1.729E-03	1.631E-03	0.000E+00	0.000E+00	8.277E-04	7.897E-04	4.770E-04	1.655E-03	8.559E-04	1.410E-03	1.263E-03
218	1.315E+00	2.661E+00	1.910E+00	1.058E+00	2.577E+00	1.605E+00	1.867E+00	2.351E+00	1.509E+00	2.205E+00	1.815E+00
219	5.751E-03	3.029E-02	1.766E-02	9.393E-03	4.218E-02	1.974E-02	1.913E-02	3.446E-02	2.183E-02	2.735E-02	1.631E-02
220	1.321E+00	1.620E+00	1.608E+00	1.519E+00	3.818E+00	1.647E+00	1.801E+00	2.102E+00	1.794E+00	2.715E+00	1.661E+00
221	6.644E+01	4.402E+01	7.576E+01	7.035E+01	8.640E+01	7.627E+01	5.337E+01	6.207E+01	4.809E+01	7.064E+01	5.202E+01
222	6.060E+01	3.408E+01	5.147E+01	5.194E+01	4.119E+01	4.183E+01	4.096E+01	5.171E+01	4.525E+01	4.652E+01	5.004E+01
223	3.105E+01	2.255E+01	3.529E+01	3.460E+01	3.766E+01	3.182E+01	2.314E+01	3.042E+01	2.228E+01	3.026E+01	2.444E+01
224	2.564E+01	1.789E+01	2.130E+01	2.724E+01	2.739E+01	2.847E+01	1.988E+01	2.313E+01	1.862E+01	2.240E+01	2.100E+01
225	2.503E+01	2.203E+01	1.880E+01	3.134E+01	7.715E+00	1.376E+01	1.700E+01	1.343E+01	1.586E+01	1.428E+01	1.191E+01
226	1.303E+01	1.277E+01	3.584E+00	2.665E+01	1.360E+00	4.665E+00	6.399E+00	5.318E+00	5.782E+00	6.209E+00	6.434E+00
227	3.618E+00	3.657E+00	1.529E+00	6.669E+00	1.102E+00	1.588E+00	2.186E+00	2.041E+00	1.943E+00	1.860E+00	2.151E+00
228	2.461E-01	3.271E-01	3.150E-01	2.213E-01	7.204E-01	4.476E-01	5.578E-01	6.332E-01	3.849E-01	5.943E-01	9.122E-01
229	2.830E-01	3.556E-01	3.549E-01	2.861E-01	7.262E-01	4.627E-01	5.597E-01	6.186E-01	4.472E-01	5.998E-01	1.035E+00
230	3.879E+01	2.571E+01	4.170E+01	4.131E+01	3.004E+01	4.945E+01	3.001E+01	2.757E+01	3.104E+01	3.633E+01	3.174E+01
231	4.189E+00	4.193E+00	3.758E+00	4.418E+00	5.009E+00	5.731E+00	4.208E+00	4.269E+00	3.936E+00	4.766E+00	6.635E+00
232	2.168E+00	1.642E+00	1.546E+00	2.286E+00	2.150E+00	1.901E+00	2.090E+00	2.655E+00	1.814E+00	2.063E+00	2.560E+00
233	4.664E+00	5.333E+00	7.597E+00	6.268E+00	5.050E+00	7.382E+00	4.940E+00	4.534E+00	5.621E+00	5.868E+00	5.749E+00
234	1.617E+01	1.936E+01	1.926E+01	1.882E+01	2.644E+01	2.480E+01	1.763E+01	1.780E+01	1.935E+01	2.193E+01	1.664E+01
235	1.256E+01	1.036E+01	1.340E+01	1.057E+01	1.649E+01	1.356E+01	9.696E+00	1.030E+01	9.174E+00	1.135E+01	1.274E+01
236	4.018E-01	4.815E-01	4.838E-01	5.898E-01	1.316E+00	5.819E-01	8.667E-01	1.794E+00	6.659E-01	8.781E-01	1.423E+00
237	3.434E+00	4.678E+00	2.154E+00	2.588E+00	4.253E+00	1.906E+00	5.784E+00	6.467E+00	4.983E+00	4.430E+00	7.479E+00
238	7.622E+00	5.991E+00	6.109E+00	5.487E+00	9.853E+00	5.238E+00	6.555E+00	7.250E+00	6.231E+00	6.936E+00	7.160E+00
239	1.635E+00	1.237E+00	1.225E+00	1.248E+00	2.177E+00	1.239E+00	1.438E+00	1.579E+00	1.284E+00	1.472E+00	1.622E+00
240	5.240E+00	6.460E+00	1.529E+01	3.127E+00	4.653E+01	1.884E+01	1.606E+01	1.947E+01	1.591E+01	2.316E+01	2.048E+01
241	2.117E+02	2.027E+02	2.254E+02	1.753E+02	2.315E+02	1.833E+02	2.116E+02	2.216E+02	2.261E+02	2.240E+02	2.330E+02
242	1.415E+02	1.661E+02	1.816E+02	1.411E+02	2.190E+02	1.470E+02	1.657E+02	1.692E+02	1.522E+02	1.751E+02	1.508E+02
243	1.322E+01	1.646E+01	1.735E+01	1.354E+01	2.176E+01	1.376E+01	1.727E+01	1.732E+01	1.460E+01	1.759E+01	1.533E+01
244	9.717E+00	1.670E+01	6.077E+00	1.245E+01	6.175E+00	4.525E+00	1.220E+01	9.082E+00	1.062E+01	7.320E+00	7.607E+00
245	4.691E+00	6.342E+00	2.850E+00	3.951E+00	5.019E+00	2.529E+00	6.098E+00	5.508E+00	5.345E+00	4.457E+00	5.435E+00
246	7.339E+00	5.914E+00	5.345E+00	5.192E+00	1.245E+01	5.616E+00	7.832E+00	1.002E+01	7.193E+00	8.495E+00	1.067E+01

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
247	5.147E+00	4.663E+00	3.852E+00	4.942E+00	6.901E+00	4.032E+00	5.249E+00	6.627E+00	4.421E+00	5.343E+00	6.419E+00
248	8.007E+01	1.208E+02	7.657E+01	8.989E+01	4.064E+01	5.180E+01	8.291E+01	7.042E+01	7.731E+01	6.505E+01	6.611E+01
249	5.170E+01	8.153E+01	5.251E+01	4.930E+01	5.725E+01	4.056E+01	7.652E+01	7.571E+01	6.895E+01	6.539E+01	6.485E+01
250	1.128E+02	1.257E+02	9.364E+01	9.168E+01	1.211E+02	9.043E+01	1.400E+02	1.442E+02	1.422E+02	1.197E+02	1.506E+02
251	3.811E+01	4.709E+01	4.419E+01	3.799E+01	7.507E+01	4.872E+01	6.001E+01	6.692E+01	5.699E+01	5.771E+01	5.939E+01
252	2.457E+00	3.101E+00	3.001E+00	2.982E+00	5.772E+00	3.513E+00	4.171E+00	4.845E+00	3.845E+00	4.235E+00	4.363E+00
253	3.313E+00	6.520E+00	2.470E+00	6.723E+00	3.063E+00	2.455E+00	4.729E+00	3.742E+00	4.012E+00	3.220E+00	4.733E+00
254	1.122E+01	1.424E+01	5.879E+00	1.218E+01	5.893E+00	4.684E+00	9.207E+00	6.865E+00	8.726E+00	5.970E+00	7.930E+00
255	9.855E+00	1.182E+01	5.622E+00	1.128E+01	6.331E+00	4.507E+00	9.249E+00	7.998E+00	8.387E+00	6.487E+00	6.864E+00
256	3.123E+00	3.234E+00	2.596E+00	2.852E+00	4.625E+00	2.216E+00	4.482E+00	4.481E+00	3.388E+00	4.277E+00	3.537E+00
257	5.340E+00	4.329E+00	5.130E+00	5.008E+00	7.446E+00	5.356E+00	5.450E+00	6.360E+00	4.836E+00	6.352E+00	6.519E+00
258	2.613E+01	4.507E+01	1.576E+01	3.856E+01	1.117E+01	1.451E+01	3.034E+01	2.317E+01	2.397E+01	2.125E+01	3.156E+01
259	4.976E+01	7.946E+01	3.490E+01	5.482E+01	2.180E+01	2.939E+01	5.218E+01	3.861E+01	4.607E+01	3.330E+01	3.491E+01
260	3.357E+01	4.836E+01	3.732E+01	3.482E+01	2.991E+01	3.374E+01	4.123E+01	3.805E+01	4.006E+01	3.552E+01	2.741E+01
261	3.874E+01	2.946E+01	3.954E+01	4.026E+01	3.863E+01	4.856E+01	3.054E+01	3.095E+01	3.512E+01	3.547E+01	3.102E+01
262	9.847E+00	8.102E+00	1.057E+01	1.116E+01	1.709E+01	1.458E+01	1.301E+01	1.418E+01	1.402E+01	1.471E+01	1.423E+01
263	3.719E+00	4.951E+00	1.443E+00	6.002E+00	1.878E+00	1.623E+00	3.488E+00	2.898E+00	2.842E+00	2.643E+00	3.664E+00
264	3.241E+00	3.603E+00	2.258E+00	3.994E+00	3.118E+00	2.258E+00	4.441E+00	3.843E+00	3.265E+00	4.239E+00	4.208E+00
265	2.151E+00	2.371E+00	1.920E+00	2.467E+00	3.172E+00	1.784E+00	3.196E+00	3.047E+00	2.622E+00	2.784E+00	2.740E+00
266	1.366E+00	8.999E-01	2.571E+00	1.015E+00	5.883E+00	2.573E+00	2.784E+00	3.049E+00	2.135E+00	3.553E+00	2.775E+00
267	2.005E+00	1.144E+00	2.321E+00	1.674E+00	5.187E+00	2.840E+00	2.321E+00	2.775E+00	1.788E+00	3.120E+00	2.749E+00
268	1.664E+01	2.975E+01	4.813E+00	2.796E+01	3.086E+00	6.648E+00	1.495E+01	1.131E+01	1.209E+01	9.739E+00	1.299E+01
269	7.682E+00	1.313E+01	6.321E+00	1.111E+01	5.311E+00	6.431E+00	1.231E+01	1.103E+01	9.260E+00	1.047E+01	1.016E+01
270	2.305E+00	3.842E+00	3.502E+00	2.816E+00	4.117E+00	3.062E+00	5.113E+00	5.151E+00	4.118E+00	4.740E+00	4.389E+00
271	1.377E+01	1.157E+01	1.915E+01	1.350E+01	1.164E+01	1.892E+01	1.102E+01	1.040E+01	1.187E+01	1.557E+01	1.038E+01
272	1.005E+02	7.302E+01	1.044E+02	9.847E+01	7.537E+01	1.232E+02	7.240E+01	6.638E+01	7.503E+01	8.508E+01	7.273E+01
273	1.068E+02	7.295E+01	1.059E+02	1.051E+02	7.600E+01	1.310E+02	7.563E+01	6.928E+01	7.757E+01	8.720E+01	7.732E+01
274	1.545E+01	1.128E+01	1.449E+01	1.652E+01	1.029E+01	2.166E+01	1.162E+01	1.026E+01	1.205E+01	1.380E+01	1.367E+01
275	7.571E-01	5.506E-01	1.009E+00	5.273E-01	6.780E-01	9.294E-01	5.523E-01	5.159E-01	4.747E-01	8.841E-01	6.265E-01
276	9.474E+00	9.375E+00	1.714E+01	1.314E+01	7.183E+00	1.602E+01	6.743E+00	6.099E+00	9.186E+00	9.031E+00	6.184E+00
277	2.847E+01	2.112E+01	3.435E+01	3.618E+01	1.593E+01	4.747E+01	1.668E+01	1.721E+01	2.232E+01	1.945E+01	1.766E+01
278	2.743E+01	2.062E+01	3.308E+01	3.457E+01	1.510E+01	4.733E+01	1.669E+01	1.619E+01	2.151E+01	1.842E+01	1.677E+01
279	5.804E+00	7.445E+00	6.883E+00	8.082E+00	8.721E+00	1.290E+01	6.207E+00	5.901E+00	7.163E+00	7.610E+00	5.719E+00
280	4.040E+00	4.459E+00	7.546E+00	4.481E+00	1.315E+01	7.773E+00	5.853E+00	6.772E+00	6.229E+00	7.806E+00	6.740E+00
281	1.127E+02	1.038E+02	1.164E+02	9.199E+01	1.125E+02	9.395E+01	1.214E+02	1.256E+02	1.283E+02	1.200E+02	1.286E+02
282	9.697E+01	8.791E+01	9.742E+01	7.907E+01	9.460E+01	8.055E+01	1.082E+02	1.087E+02	1.088E+02	1.032E+02	1.182E+02
283	4.287E+01	5.177E+01	5.448E+01	4.164E+01	6.506E+01	4.302E+01	5.626E+01	5.514E+01	4.774E+01	5.542E+01	4.634E+01
284	6.252E+00	5.203E+00	4.611E+00	6.214E+00	6.397E+00	5.246E+00	5.951E+00	8.724E+00	5.422E+00	6.442E+00	7.927E+00
285	6.976E+01	7.589E+01	6.067E+01	6.680E+01	6.452E+01	6.833E+01	8.528E+01	8.727E+01	8.935E+01	7.204E+01	8.978E+01
286	5.481E+01	5.653E+01	4.472E+01	5.141E+01	4.913E+01	5.222E+01	6.523E+01	6.443E+01	6.620E+01	5.535E+01	6.838E+01
287	6.645E+00	8.538E+00	7.674E+00	6.900E+00	1.271E+01	8.995E+00	1.117E+01	1.185E+01	1.069E+01	1.057E+01	1.105E+01

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
288	7.840E+01	6.318E+01	7.631E+01	8.150E+01	5.843E+01	9.564E+01	5.592E+01	5.310E+01	6.565E+01	6.211E+01	5.647E+01
289	6.366E+01	4.914E+01	5.895E+01	6.341E+01	4.665E+01	7.379E+01	4.383E+01	4.058E+01	5.242E+01	5.009E+01	4.668E+01
290	2.205E+01	1.977E+01	1.893E+01	2.447E+01	1.828E+01	2.660E+01	1.896E+01	1.951E+01	2.236E+01	2.019E+01	2.048E+01
291	1.708E+01	1.501E+01	1.404E+01	1.919E+01	1.376E+01	2.054E+01	1.620E+01	1.538E+01	1.851E+01	1.663E+01	1.746E+01
292	1.610E+00	1.413E+00	1.801E+00	1.723E+00	3.399E+00	2.386E+00	2.419E+00	2.633E+00	2.521E+00	2.730E+00	2.844E+00
293	8.795E-01	4.485E-01	2.181E+00	6.989E-01	3.533E+00	2.540E+00	1.978E+00	2.128E+00	1.743E+00	2.512E+00	1.948E+00
294	1.244E+00	1.438E+00	1.862E+00	9.727E-01	3.505E+00	1.703E+00	2.496E+00	2.391E+00	2.327E+00	2.380E+00	2.216E+00
295	1.256E+00	1.495E+00	1.901E+00	9.669E-01	3.466E+00	1.718E+00	2.424E+00	2.402E+00	2.309E+00	2.378E+00	2.183E+00
296	8.456E-01	1.334E+00	1.252E+00	7.743E-01	2.963E+00	9.982E-01	1.513E+00	1.426E+00	1.303E+00	1.453E+00	1.237E+00
297	5.189E-01	7.628E-01	6.039E-01	5.300E-01	8.578E-01	8.945E-01	1.759E-01	1.733E-01	2.537E-01	2.448E-01	2.638E-01
298	2.446E-02	1.255E-02	1.914E-02	2.553E-02	1.315E-02	3.196E-02	8.045E-03	1.004E-02	9.653E-03	1.077E-02	1.128E-02
299	2.516E-01	1.768E-01	2.758E-01	2.474E-01	1.264E-01	4.108E-01	4.870E-02	4.398E-02	7.422E-02	6.393E-02	5.470E-02
300	1.300E-02	7.530E-03	7.616E-03	1.911E-02	1.845E-03	2.188E-02	2.381E-03	2.553E-03	2.724E-03	4.441E-03	3.239E-03
301	1.459E-01	1.015E-01	1.418E-01	1.439E-01	9.332E-02	1.982E-01	3.840E-02	4.140E-02	4.977E-02	4.741E-02	5.041E-02
302	3.025E-02	8.474E-03	1.384E-02	3.797E-02	5.985E-03	3.025E-02	4.483E-03	5.792E-03	7.465E-03	7.444E-03	5.642E-03
303	3.561E-01	3.268E-01	3.399E-01	4.494E-01	2.238E-01	5.138E-01	1.594E-01	1.995E-01	2.145E-01	2.167E-01	2.145E-01
304	3.583E-03	6.908E-03	4.612E-03	3.947E-03	5.985E-03	6.457E-03	1.847E-03	2.553E-03	3.647E-03	4.441E-03	2.231E-03
305	7.714E-01	5.229E-01	7.386E-01	8.351E-01	5.867E-01	9.949E-01	2.434E-01	2.509E-01	3.710E-01	3.812E-01	3.156E-01
306	4.505E-02	2.660E-02	4.097E-02	6.607E-02	1.798E-02	7.551E-02	1.793E-02	1.697E-02	3.153E-02	3.025E-02	2.017E-02
307	1.542E+00	9.624E-01	1.395E+00	2.735E+00	4.281E-01	2.150E+00	1.197E+00	1.460E+00	1.713E+00	1.746E+00	1.557E+00
308	2.034E-02	1.727E-02	2.360E-02	5.234E-02	6.457E-03	3.969E-02	1.899E-02	2.381E-02	2.767E-02	3.111E-02	2.724E-02
309	6.586E-03	3.776E-03	8.988E-03	5.406E-03	4.612E-03	1.324E-02	3.304E-03	4.376E-03	4.913E-03	4.269E-03	7.337E-03
310	2.446E-03	4.698E-03	3.926E-03	3.733E-03	5.535E-03	4.848E-03	1.319E-03	2.122E-03	3.089E-03	2.059E-03	2.403E-03
311	5.642E-04	3.132E-04	6.908E-04	6.243E-04	1.384E-03	1.937E-03	3.947E-04	1.133E-03	1.821E-04	2.059E-03	1.025E-03
312	1.883E-04	6.285E-04	4.612E-04	6.243E-04	6.908E-04	0.000E+00	1.319E-04	0.000E+00	1.821E-04	6.328E-04	1.708E-04
313	2.314E-01	8.216E-02	1.364E-01	2.325E-01	8.002E-02	2.851E-01	7.208E-02	7.380E-02	1.253E-01	1.165E-01	8.602E-02
314	7.723E-03	6.908E-03	6.457E-03	6.865E-03	4.376E-03	1.680E-02	5.792E-03	5.792E-03	4.913E-03	5.535E-03	4.612E-03
315	3.711E-02	1.946E-02	2.832E-02	4.634E-02	2.295E-02	5.749E-02	1.530E-02	1.909E-02	1.986E-02	2.767E-02	2.553E-02
316	1.883E-03	6.285E-04	1.384E-03	2.295E-03	1.152E-03	9.696E-04	6.586E-04	1.133E-03	3.647E-04	3.175E-04	1.197E-03
317	3.132E-02	1.665E-02	2.639E-02	3.711E-02	1.821E-02	4.076E-02	1.555E-02	1.783E-02	1.804E-02	2.124E-02	1.931E-02
318	1.317E-03	1.570E-03	2.767E-03	1.454E-03	1.845E-03	1.937E-03	1.186E-03	1.838E-03	1.459E-03	6.328E-04	1.197E-03
319	2.775E-01	9.417E-02	1.399E-01	2.493E-01	1.081E-01	2.538E-01	1.300E-01	1.409E-01	1.763E-01	1.860E-01	1.656E-01
320	1.883E-03	3.132E-04	6.908E-04	0.000E+00	2.295E-04	9.696E-04	2.639E-04	2.832E-04	9.117E-04	9.503E-04	5.127E-04
321	3.619E-01	9.847E-02	1.830E-01	3.185E-01	1.015E-01	3.643E-01	1.225E-01	1.043E-01	1.806E-01	1.783E-01	1.450E-01
322	1.206E-02	3.454E-03	6.908E-03	1.414E-02	3.690E-03	1.291E-02	4.097E-03	4.805E-03	8.752E-03	4.762E-03	5.814E-03
323	3.182E-01	1.090E-01	1.590E-01	3.228E-01	1.068E-01	3.006E-01	1.693E-01	1.793E-01	2.677E-01	2.346E-01	2.197E-01
324	5.277E-03	4.398E-03	4.848E-03	1.122E-02	3.218E-03	1.066E-02	5.020E-03	7.787E-03	9.117E-03	9.353E-03	6.500E-03
325	1.620E-02	8.152E-03	8.752E-03	1.641E-02	4.848E-03	1.712E-02	4.741E-03	5.663E-03	5.642E-03	3.475E-03	5.299E-03
326	7.530E-04	9.417E-04	4.612E-04	1.038E-03	1.152E-03	1.291E-03	1.319E-03	8.495E-04	9.117E-04	1.585E-04	6.843E-04
327	1.995E-02	9.096E-03	1.429E-02	1.828E-02	1.223E-02	1.808E-02	8.431E-03	9.053E-03	8.559E-03	8.559E-03	7.337E-03
328	3.776E-04	2.510E-03	1.152E-03	1.454E-03	9.224E-04	3.561E-03	9.224E-04	9.911E-04	1.276E-03	1.585E-03	1.538E-03

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
329	4.768E-01	2.145E-01	2.647E-01	6.962E-01	2.243E-01	7.585E-01	3.105E-01	3.520E-01	3.929E-01	4.989E-01	3.597E-01
330	4.891E-03	4.698E-03	2.295E-03	9.353E-03	2.295E-03	1.066E-02	2.639E-03	4.955E-03	4.012E-03	6.178E-03	5.470E-03
331	4.097E-02	1.600E-02	2.596E-02	6.200E-02	1.223E-02	7.036E-02	1.371E-02	1.783E-02	2.446E-02	2.077E-02	2.137E-02
332	1.506E-03	6.285E-04	1.152E-03	1.454E-03	9.224E-04	3.239E-04	5.277E-04	2.832E-04	7.294E-04	3.175E-04	1.708E-03
333	3.540E-02	1.349E-02	1.821E-02	4.376E-02	7.830E-03	3.389E-02	9.889E-03	1.188E-02	1.678E-02	1.427E-02	1.332E-02
334	0.000E+00	9.417E-04	0.000E+00	2.077E-04	0.000E+00	6.457E-04	0.000E+00	5.663E-04	3.647E-04	3.175E-04	6.843E-04
335	5.814E-02	2.660E-02	3.132E-02	7.079E-02	2.746E-02	7.101E-02	2.109E-02	3.668E-02	3.475E-02	4.097E-02	3.068E-02
336	2.639E-03	1.883E-03	1.613E-03	2.295E-03	6.908E-04	6.135E-03	1.186E-03	1.838E-03	1.823E-03	2.381E-03	2.051E-03
337	1.199E-01	5.149E-02	6.350E-02	1.572E-01	5.878E-02	1.648E-01	5.814E-02	6.221E-02	8.924E-02	8.559E-02	7.851E-02
338	1.317E-03	1.255E-03	1.845E-03	3.540E-03	1.613E-03	1.291E-03	1.186E-03	1.697E-03	2.553E-03	2.210E-03	1.367E-03
339	5.342E-02	2.446E-02	3.132E-02	7.208E-02	2.338E-02	8.452E-02	2.574E-02	4.162E-02	3.432E-02	4.419E-02	4.355E-02
340	2.072E-03	3.132E-03	2.295E-03	3.111E-03	1.845E-03	4.526E-03	1.583E-03	3.261E-03	1.641E-03	3.969E-03	2.724E-03
341	7.723E-03	9.739E-03	8.752E-03	8.109E-03	4.140E-03	1.034E-02	3.175E-03	3.540E-03	4.913E-03	4.591E-03	3.583E-03
342	7.530E-04	9.417E-04	9.224E-04	8.302E-04	9.224E-04	1.291E-03	5.277E-04	9.911E-04	9.117E-04	9.503E-04	1.708E-04
343	1.055E-02	7.229E-03	9.224E-03	1.019E-02	1.176E-02	9.696E-03	5.149E-03	5.513E-03	3.454E-03	6.972E-03	7.015E-03
344	0.000E+00	9.417E-04	4.612E-04	8.302E-04	0.000E+00	9.696E-04	1.319E-04	2.832E-04	0.000E+00	3.175E-04	6.843E-04

	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ
1	**CA273**	**14272**	**14246**	**14081**	**14180**	**14453**	**14540**	**CA268**	**CA262**	**CA267**	**CA261**	**CA264**
2	**Control**	**Late Malignant**	**Late Malignant**	**Late Malignant**	**Late Malignant**	**Benign**	**Late Malignant**	**Control**	**Control**	**Control**	**Control**	**Control**
3	0	3	3	3	3	1	3	0	0	0	0	0
4	1	-1	-1	-1	-1	-1	-1	1	1	1	1	1
5	8.435E-01	1.082E+00	6.655E+00	1.167E+00	9.707E-01	7.651E-01	8.580E-01	1.140E+00	1.453E+00	1.071E+00	7.119E-01	1.159E+00
6	3.702E-01	1.792E-01	2.059E+00	2.285E-01	1.545E-01	1.234E-01	2.242E-01	4.312E-01	7.221E-01	5.601E-01	2.210E-01	5.433E-01
7	1.255E-01	8.723E-02	7.382E-01	7.940E-02	6.749E-02	4.818E-02	8.616E-02	1.159E-01	1.567E-01	1.148E-01	6.191E-02	1.320E-01
8	4.410E-01	4.335E-01	1.801E+00	8.090E-01	3.948E-01	2.800E-01	3.144E-01	1.338E+00	7.135E-01	7.460E-01	4.131E-01	1.090E+00
9	1.652E-02	3.047E-02	5.665E-02	1.373E-02	1.717E-02	9.464E-03	1.245E-02	2.575E-02	3.476E-02	2.468E-02	1.663E-02	1.352E-02
10	8.616E-03	7.629E-03	3.165E-02	5.708E-03	3.873E-03	9.013E-04	3.219E-03	4.464E-03	6.567E-03	1.320E-02	3.240E-03	6.974E-03
11	7.114E-03	4.903E-03	1.577E-02	6.288E-03	3.315E-03	4.506E-03	3.680E-03	9.421E-03	1.309E-02	8.079E-03	6.931E-03	3.927E-03
12	5.987E-03	7.082E-03	7.908E-03	4.571E-03	6.084E-03	4.056E-03	3.219E-03	8.423E-03	6.567E-03	8.079E-03	4.624E-03	6.974E-03
13	4.871E-03	1.202E-02	1.717E-02	1.028E-02	1.050E-02	3.605E-03	4.142E-03	1.438E-02	9.388E-03	1.320E-02	4.163E-03	1.180E-02
14	2.736E-02	3.380E-02	1.277E-01	4.174E-02	3.648E-02	2.564E-02	3.133E-02	2.929E-02	3.187E-02	2.253E-02	2.446E-02	3.273E-02
15	2.994E-03	5.451E-03	1.577E-02	6.288E-03	3.315E-03	2.704E-03	5.064E-03	6.438E-03	6.567E-03	2.972E-03	3.702E-03	3.487E-03
16	7.489E-04	5.451E-04	1.320E-03	1.137E-03	1.105E-03	2.253E-03	3.219E-03	2.479E-03	9.388E-04	4.249E-04	9.249E-04	2.178E-03
17	2.242E-03	1.094E-03	1.320E-03	1.717E-03	2.210E-03	1.352E-03	4.603E-03	2.479E-03	6.567E-03	2.554E-03	2.307E-03	1.309E-03
18	2.393E-02	2.940E-02	6.459E-02	1.996E-02	2.103E-02	2.167E-02	1.663E-02	1.835E-02	2.060E-02	2.082E-02	3.144E-02	3.315E-02
19	4.002E-02	6.212E-02	6.695E-01	4.742E-02	4.753E-02	4.957E-02	4.281E-02	4.614E-02	5.536E-02	4.378E-02	4.067E-02	5.054E-02
20	3.745E-04	5.451E-04	2.639E-03	1.717E-03	5.526E-04	2.704E-03	2.768E-03	1.985E-03	1.878E-03	2.972E-03	4.624E-04	2.178E-03
21	1.202E-02	3.809E-03	4.088E-02	7.425E-03	4.421E-03	5.858E-03	3.219E-03	1.384E-02	1.599E-02	1.534E-02	6.931E-03	1.695E-02
22	1.867E-03	1.094E-03	1.320E-02	0.000E+00	0.000E+00	9.013E-04	4.603E-04	2.479E-03	2.811E-03	1.277E-03	2.307E-03	3.927E-03
23	2.661E-02	2.285E-02	1.015E-01	2.167E-02	1.878E-02	2.393E-02	2.629E-02	2.532E-02	3.562E-02	2.425E-02	1.942E-02	2.704E-02
24	4.828E-02	5.998E-02	1.824E-01	4.914E-02	5.966E-02	5.268E-02	4.700E-02	5.150E-02	2.350E-02	4.292E-02	4.764E-02	4.313E-02
25	1.727E-02	5.451E-03	4.742E-02	9.710E-03	2.210E-03	1.395E-02	1.202E-02	1.191E-02	1.032E-02	1.620E-02	8.788E-03	1.878E-02
26	8.616E-03	1.255E-02	6.202E-02	1.770E-02	9.399E-03	5.408E-03	8.294E-03	7.436E-03	1.406E-02	8.927E-03	9.249E-03	1.223E-02
27	3.369E-03	2.178E-03	1.845E-02	2.285E-03	2.210E-03	2.704E-03	4.142E-03	1.491E-03	5.633E-03	2.972E-03	9.249E-04	3.047E-03
28	2.736E-02	1.470E-02	7.253E-02	1.481E-02	2.264E-02	2.167E-02	9.667E-03	3.122E-02	3.283E-02	2.511E-02	1.620E-02	2.049E-02
29	3.970E-02	1.524E-02	6.856E-02	2.060E-02	1.824E-02	2.393E-02	1.427E-02	2.876E-02	5.633E-02	4.936E-02	2.307E-02	3.745E-02
30	6.406E-02	8.938E-02	1.159E-01	6.803E-02	8.959E-02	7.521E-02	7.135E-02	6.985E-02	4.131E-02	5.912E-02	6.888E-02	6.674E-02
31	4.045E-02	5.880E-02	7.382E-02	6.116E-02	5.526E-02	8.648E-02	7.597E-02	7.189E-02	3.004E-02	3.144E-02	4.485E-02	3.659E-02
32	1.910E-02	2.393E-02	1.094E-01	5.998E-02	2.264E-02	2.339E-02	1.567E-02	6.985E-02	2.157E-02	2.339E-02	2.865E-02	5.408E-02
33	1.159E-02	7.629E-03	1.577E-02	9.142E-03	1.105E-02	1.266E-02	1.013E-02	1.384E-02	5.633E-03	8.079E-03	9.249E-03	6.974E-03
34	1.341E-01	2.371E-01	9.321E-01	3.036E-01	2.403E-01	1.567E-01	1.878E-01	1.652E-01	1.330E-01	1.470E-01	2.006E-01	1.974E-01
35	5.762E-02	8.605E-02	9.227E-02	9.024E-02	5.751E-02	1.491E-01	1.069E-01	8.079E-02	4.979E-02	4.421E-02	8.734E-02	5.279E-02
36	5.987E-03	3.273E-03	1.055E-02	7.425E-03	8.294E-03	9.464E-03	8.294E-03	7.929E-03	7.511E-03	5.526E-03	8.326E-03	7.414E-03
37	1.685E-02	1.035E-02	4.088E-02	1.427E-02	1.266E-02	9.464E-03	8.755E-03	7.929E-03	1.502E-02	1.191E-02	1.063E-02	1.309E-02
38	9.732E-03	1.255E-02	4.742E-02	1.309E-02	1.717E-02	1.309E-02	6.910E-03	1.588E-02	1.406E-02	6.384E-03	1.341E-02	9.592E-03
39	1.234E-01	3.755E-02	1.320E-01	3.487E-02	4.421E-02	5.590E-02	8.519E-02	5.944E-02	1.052E-01	6.298E-02	1.330E-01	8.766E-02
40	1.931E-01	1.652E-01	2.361E-01	1.384E-01	1.685E-01	1.234E-01	1.277E-01	1.046E-01	1.191E-01	1.309E-01	1.094E-01	1.008E-01
41	1.910E-02	2.886E-02	5.408E-02	2.511E-02	2.049E-02	2.843E-02	1.567E-02	2.532E-02	1.599E-02	1.910E-02	1.899E-02	2.178E-02

	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ
42	0.000E+00	2.725E-03	6.588E-03	1.717E-03	1.105E-03	9.013E-04	4.603E-04	1.985E-03	9.388E-04	8.509E-04	0.000E+00	3.047E-03
43	3.061E-03	5.607E-03	1.739E-02	3.138E-03	4.372E-03	3.446E-03	3.421E-03	9.388E-03	4.501E-03	3.061E-03	6.327E-03	5.118E-03
44	9.233E-02	1.435E-01	1.528E+00	1.399E-01	1.668E-01	1.178E-01	1.142E-01	1.265E-01	1.517E-01	1.098E-01	4.916E-01	2.006E-01
45	4.681E-02	3.241E-02	3.906E-01	3.318E-02	3.729E-02	3.781E-02	3.575E-02	6.273E-02	7.330E-02	6.507E-02	5.221E-02	8.999E-02
46	5.144E-02	6.764E-02	3.154E-01	5.607E-02	5.633E-02	4.707E-02	5.967E-02	1.051E-01	5.067E-02	6.687E-02	1.078E-01	8.873E-02
47	5.350E-02	6.430E-02	6.494E-01	6.250E-02	7.201E-02	4.990E-02	4.732E-02	7.164E-02	7.973E-02	6.198E-02	6.198E-02	1.265E-01
48	9.336E-03	7.973E-03	1.227E-01	5.478E-03	6.636E-03	6.481E-03	7.947E-03	9.619E-03	1.057E-02	6.018E-03	1.186E-02	1.569E-02
49	3.498E-03	3.138E-03	3.961E-02	3.292E-03	1.854E-03	3.241E-03	4.527E-03	4.398E-03	5.170E-03	4.578E-03	5.658E-03	5.864E-03
50	1.795E-03	1.960E-03	1.358E-02	2.191E-03	6.636E-04	1.080E-03	9.928E-04	2.137E-03	2.024E-03	1.325E-03	2.217E-03	2.194E-03
51	1.165E-01	1.597E-01	1.273E-01	1.430E-01	1.792E-01	2.233E-01	1.191E-01	1.743E-01	1.384E-01	1.049E-01	2.030E-01	1.705E-01
52	2.243E-03	2.220E-03	1.896E-03	9.593E-04	2.778E-03	2.268E-03	1.546E-03	4.038E-03	1.800E-03	1.427E-03	2.778E-03	2.829E-03
53	2.379E-02	3.086E-02	1.003E-01	3.472E-02	3.086E-02	2.528E-02	2.906E-02	1.687E-02	1.934E-02	2.425E-02	2.778E-02	2.467E-02
54	6.509E+00	4.957E+00	3.283E+00	4.823E+00	5.040E+00	5.323E+00	5.483E+00	4.706E+00	5.886E+00	6.704E+00	4.456E+00	5.478E+00
55	6.593E-01	7.976E-01	5.850E-01	7.161E-01	7.495E-01	7.341E-01	7.303E-01	5.638E-01	4.721E-01	5.739E-01	6.154E-01	6.189E-01
56	2.001E-01	1.767E-01	1.240E-01	1.834E-01	1.982E-01	1.804E-01	2.031E-01	1.753E-01	1.901E-01	2.308E-01	1.572E-01	2.052E-01
57	4.256E+00	5.318E+00	3.768E+00	4.497E+00	4.872E+00	4.622E+00	4.874E+00	3.152E+00	2.781E+00	3.499E+00	3.820E+00	3.674E+00
58	2.958E-02	4.527E-02	3.292E-02	3.189E-02	3.601E-02	3.163E-02	3.961E-02	4.835E-02	2.726E-02	3.112E-02	6.713E-02	3.626E-02
59	7.947E-02	8.719E-02	9.285E-02	8.719E-02	8.102E-02	8.667E-02	8.719E-02	6.178E-02	4.810E-02	6.533E-02	6.816E-02	6.944E-02
60	1.042E-02	1.803E-02	4.424E-02	1.507E-02	1.656E-02	1.350E-02	1.237E-02	1.165E-02	1.530E-02	1.183E-02	1.661E-02	1.546E-02
61	1.093E+00	2.170E+00	2.036E+00	1.813E+00	1.184E+00	1.549E+00	2.565E+00	9.870E-01	1.031E+00	9.005E-01	2.386E+00	1.120E+00
62	5.712E-01	2.018E-01	2.377E-01	2.658E-01	3.616E-01	3.795E-01	2.486E-01	5.510E-01	7.110E-01	5.732E-01	3.279E-01	4.753E-01
63	9.413E-03	1.227E-02	1.800E-02	1.137E-02	7.562E-03	8.976E-03	1.589E-02	9.619E-03	7.870E-03	8.462E-03	1.708E-02	1.013E-02
64	3.638E+00	1.858E+00	1.322E+00	2.348E+00	3.695E+00	3.644E+00	2.366E+00	3.532E+00	3.528E+00	4.530E+00	2.955E+00	4.441E+00
65	1.247E-01	6.198E-02	6.687E-02	8.745E-02	1.196E-01	1.134E-01	7.870E-02	1.338E-01	1.265E-01	1.520E-01	1.101E-01	1.538E-01
66	7.377E-01	5.231E-01	3.410E-01	4.980E-01	7.863E-01	7.795E-01	4.679E-01	7.963E-01	6.768E-01	7.203E-01	7.716E-01	8.060E-01
67	3.112E-02	4.167E-02	4.655E-02	4.192E-02	4.295E-02	4.141E-02	3.524E-02	7.793E-02	4.552E-02	4.707E-02	6.404E-02	5.298E-02
68	2.829E-02	3.987E-02	2.215E-01	6.096E-02	5.967E-02	4.141E-02	3.704E-02	5.156E-02	5.298E-02	3.909E-02	4.732E-02	6.018E-02
69	5.179E-01	7.724E-01	7.449E-01	7.332E-01	6.486E-01	8.769E-01	9.529E-01	5.761E-01	5.356E-01	4.448E-01	1.201E+00	6.079E-01
70	2.307E-02	3.009E-02	4.321E-02	3.061E-02	2.855E-02	3.446E-02	3.446E-02	3.035E-02	2.317E-02	2.366E-02	3.575E-02	2.906E-02
71	4.655E-03	6.147E-03	1.739E-02	6.584E-03	8.205E-03	5.735E-03	6.841E-03	8.205E-03	8.102E-03	4.990E-03	9.310E-03	5.118E-03
72	2.243E-03	2.881E-03	5.993E-03	2.598E-03	1.988E-03	3.035E-03	2.983E-03	3.678E-03	6.739E-04	3.163E-03	2.649E-03	3.755E-03
73	3.939E-04	1.716E-03	1.388E-03	3.002E-03	5.813E-04	4.740E-04	1.456E-03	0.000E+00	9.876E-04	8.950E-04	1.456E-03	4.582E-04
74	1.580E-03	4.582E-03	6.930E-03	3.600E-03	4.650E-03	2.844E-03	1.941E-03	2.088E-03	5.926E-03	1.795E-03	9.729E-04	9.176E-04
75	3.352E-02	3.330E-02	6.524E-02	4.865E-02	2.844E-02	7.675E-02	8.871E-02	5.790E-02	3.555E-02	1.919E-02	3.262E-02	2.889E-02
76	5.237E-02	6.185E-02	9.289E-02	9.853E-02	5.406E-02	1.253E-01	1.377E-01	8.916E-02	2.562E-02	2.506E-02	4.233E-02	2.935E-02
77	4.729E-03	3.442E-03	1.524E-02	8.409E-03	3.488E-03	6.637E-03	1.114E-02	4.695E-03	2.957E-03	2.235E-03	5.350E-03	3.205E-03
78	3.939E-04	5.734E-04	0.000E+00	0.000E+00	0.000E+00	1.422E-03	4.842E-04	0.000E+00	0.000E+00	8.950E-04	0.000E+00	0.000E+00
79	3.939E-04	0.000E+00	4.165E-03	1.196E-03	4.074E-03	1.896E-03	9.684E-04	3.126E-03	0.000E+00	2.235E-03	0.000E+00	9.176E-04
80	3.939E-04	2.291E-03	2.777E-03	1.196E-03	2.325E-03	4.740E-04	1.456E-03	2.088E-03	2.957E-03	4.470E-04	1.456E-03	2.291E-03
81	3.149E-03	5.158E-03	0.000E+00	9.018E-03	9.887E-03	5.688E-03	9.210E-03	5.214E-03	4.932E-03	5.372E-03	7.777E-03	4.582E-03
82	1.580E-03	5.158E-03	0.000E+00	1.806E-03	3.488E-03	2.370E-03	5.327E-03	4.176E-03	1.975E-03	1.795E-03	2.427E-03	2.291E-03

	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ
83	2.754E-03	2.291E-03	6.930E-03	1.196E-03	2.912E-03	1.422E-03	9.684E-04	1.043E-03	1.975E-03	1.343E-03	1.941E-03	1.840E-03
84	8.273E-03	8.600E-03	4.165E-03	1.321E-02	8.725E-03	1.043E-02	7.269E-03	1.253E-02	6.907E-03	7.607E-03	1.119E-02	4.582E-03
85	2.754E-03	4.007E-03	2.777E-03	3.600E-03	1.163E-03	6.163E-03	9.684E-04	1.569E-03	2.957E-03	2.686E-03	4.865E-04	1.377E-03
86	4.729E-03	3.442E-03	5.542E-03	8.409E-03	1.456E-02	1.377E-02	9.684E-03	1.456E-02	4.932E-03	1.795E-03	4.865E-03	4.582E-03
87	2.122E-02	1.840E-02	1.659E-02	3.781E-02	2.438E-02	7.968E-02	6.343E-02	5.113E-02	1.377E-02	6.716E-03	1.704E-02	8.713E-03
88	5.508E-03	5.734E-03	0.000E+00	7.212E-03	7.562E-03	6.637E-03	1.017E-02	8.341E-03	9.876E-04	2.686E-03	3.409E-03	2.754E-03
89	6.693E-03	1.321E-02	6.930E-03	7.810E-03	7.562E-03	2.562E-02	1.309E-02	1.411E-02	1.377E-02	6.264E-03	1.070E-02	4.582E-03
90	2.088E-02	2.585E-02	1.253E-02	4.029E-02	2.968E-02	1.000E-01	7.077E-02	5.632E-02	8.883E-03	8.499E-03	2.088E-02	1.242E-02
91	4.729E-03	6.874E-03	2.777E-03	6.005E-03	2.325E-03	1.043E-02	1.208E-02	6.253E-03	2.957E-03	1.343E-03	7.777E-03	3.205E-03
92	7.483E-03	1.208E-02	4.165E-03	9.018E-03	1.163E-02	2.133E-02	1.648E-02	1.043E-02	3.950E-03	7.156E-03	9.244E-03	5.959E-03
93	4.729E-03	6.309E-03	5.542E-03	6.614E-03	6.400E-03	1.806E-02	9.684E-03	1.196E-02	3.950E-03	2.235E-03	4.379E-03	6.422E-03
94	7.878E-04	1.716E-03	0.000E+00	1.806E-03	1.749E-03	3.318E-03	4.842E-04	5.214E-04	9.876E-04	1.795E-03	4.865E-04	4.131E-03
95	4.334E-03	6.874E-03	6.930E-03	1.377E-02	8.138E-03	1.422E-02	1.885E-02	1.043E-02	2.957E-03	1.343E-03	6.806E-03	6.885E-03
96	3.544E-03	5.734E-03	2.777E-03	6.614E-03	4.650E-03	1.140E-02	1.546E-02	7.302E-03	5.926E-03	1.795E-03	2.427E-03	4.131E-03
97	3.544E-03	3.442E-03	0.000E+00	6.614E-03	6.975E-03	1.185E-02	4.357E-03	9.910E-03	1.975E-03	4.470E-03	3.894E-03	2.754E-03
98	6.298E-03	6.309E-03	0.000E+00	8.409E-03	1.163E-02	1.512E-02	1.163E-02	8.341E-03	4.932E-03	3.578E-03	4.865E-03	2.754E-03
99	1.410E-01	5.604E-02	1.115E-01	1.025E-01	3.728E-02	6.695E-02	6.315E-02	9.577E-02	8.363E-02	9.479E-02	5.972E-02	8.069E-02
100	2.440E-02	3.176E-02	5.874E-02	2.808E-02	2.784E-02	2.158E-02	1.901E-02	3.850E-02	2.256E-02	2.771E-02	2.060E-02	2.048E-02
101	1.078E-01	1.288E-01	3.421E-01	1.533E-01	1.680E-01	1.741E-01	1.324E-01	1.122E-01	1.471E-01	1.570E-01	1.142E-01	1.300E-01
102	4.034E-01	6.683E-01	1.987E-01	7.321E-01	6.090E-01	5.445E-01	5.530E-01	6.548E-01	3.630E-01	4.782E-01	5.273E-01	3.847E-01
103	1.582E-01	1.999E-01	6.082E-01	2.232E-01	2.367E-01	1.631E-01	1.974E-01	1.386E-01	1.545E-01	1.521E-01	1.115E-01	1.361E-01
104	2.281E-01	2.624E-01	1.570E-01	2.992E-01	2.293E-01	2.158E-01	1.937E-01	3.144E-01	1.717E-01	2.219E-01	2.195E-01	1.876E-01
105	5.984E-01	8.682E-01	2.968E-01	9.501E-01	1.076E+00	8.199E-01	7.357E-01	7.273E-01	5.567E-01	5.690E-01	7.703E-01	5.167E-01
106	1.582E-01	1.312E-01	2.379E-01	1.950E-01	1.004E-01	1.091E-01	1.194E-01	1.778E-01	1.263E-01	1.361E-01	1.288E-01	1.082E-01
107	1.181E-01	8.216E-02	1.692E-01	1.545E-01	9.160E-02	6.953E-02	1.158E-01	1.337E-01	8.044E-02	1.151E-01	8.829E-02	1.046E-01
108	1.790E-01	1.349E-01	3.041E-01	1.987E-01	1.766E-01	1.901E-01	1.533E-01	1.496E-01	1.790E-01	1.337E-01	1.704E-01	1.459E-01
109	7.701E-03	1.373E-02	6.021E-03	5.874E-03	7.578E-03	3.605E-03	5.261E-03	7.357E-03	3.213E-03	5.837E-03	8.449E-03	7.480E-03
110	3.507E-02	2.808E-02	5.579E-02	3.397E-02	3.544E-02	3.556E-02	3.421E-02	2.600E-02	2.894E-02	2.379E-02	3.323E-02	4.537E-02
111	2.992E-02	2.121E-02	4.071E-02	1.888E-02	2.587E-02	2.673E-02	1.901E-02	2.600E-02	2.146E-02	2.428E-02	1.790E-02	2.293E-02
112	1.410E-02	7.468E-03	3.164E-02	1.175E-02	1.200E-02	1.239E-02	9.479E-03	1.754E-02	1.288E-02	1.508E-02	2.011E-02	1.300E-02
113	3.421E-03	3.115E-03	1.205E-02	4.574E-03	2.526E-03	7.210E-03	2.109E-03	6.229E-03	3.213E-03	3.887E-03	6.867E-03	6.475E-03
114	4.709E-03	3.740E-03	6.021E-03	9.135E-03	8.841E-03	7.210E-03	1.052E-02	1.133E-02	2.146E-03	8.743E-03	1.110E-02	4.979E-03
115	9.847E-03	8.719E-03	3.470E-02	8.486E-03	1.582E-02	1.133E-02	1.373E-02	1.251E-02	1.073E-02	6.315E-03	1.533E-02	1.046E-02
116	8.130E-03	5.604E-03	1.508E-02	5.224E-03	2.526E-03	3.090E-03	4.206E-03	2.833E-03	8.584E-03	7.296E-03	8.449E-03	4.488E-03
117	1.888E-02	7.468E-03	3.311E-02	6.524E-03	1.010E-02	5.665E-03	1.001E-02	9.062E-03	7.505E-03	7.774E-03	9.516E-03	5.984E-03
118	5.138E-03	9.969E-03	7.529E-03	5.874E-03	3.789E-03	5.665E-03	3.164E-03	6.793E-03	4.292E-03	5.346E-03	5.285E-03	5.984E-03
119	4.280E-03	6.855E-03	2.416E-02	8.486E-03	1.447E-02	8.755E-03	7.897E-03	1.864E-02	4.292E-03	5.346E-03	6.340E-03	1.096E-02
120	1.239E-02	4.979E-03	7.529E-03	7.836E-03	6.953E-03	6.695E-03	9.479E-03	9.626E-03	3.213E-03	4.378E-03	9.516E-03	6.977E-03
121	9.617E-02	2.342E-02	0.000E+00	6.946E-02	2.769E-02	1.932E-02	2.636E-02	4.613E-02	6.046E-02	5.476E-02	5.619E-02	4.052E-02
122	1.202E-01	6.233E-02	7.542E-02	6.135E-02	1.069E-01	1.647E-01	3.954E-02	2.057E-01	2.280E-01	1.184E-01	9.617E-02	1.158E-01
123	1.710E+00	3.446E+00	3.455E+00	2.947E+00	2.921E+00	2.698E+00	2.467E+00	2.425E+00	3.232E+00	1.888E+00	2.565E+00	1.950E+00

	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ
124	5.361E-02	3.900E-02	1.888E-02	4.907E-02	1.184E-02	3.544E-02	1.977E-02	4.613E-02	4.702E-02	5.174E-02	3.972E-02	4.996E-02
125	1.015E-01	3.508E-02	6.598E-02	2.858E-02	2.369E-02	2.903E-02	3.954E-02	7.444E-02	2.012E-02	5.779E-02	3.642E-02	4.052E-02
126	1.095E+00	1.362E-01	3.393E-01	2.413E-01	2.689E-01	4.381E-01	3.197E-01	1.371E+00	1.336E+00	1.407E+00	6.215E-01	1.095E+00
127	1.906E+00	8.736E-01	9.083E-01	8.014E-01	1.051E+00	1.158E+00	9.706E-01	2.681E+00	2.894E+00	2.075E+00	1.612E+00	2.779E+00
128	1.282E+00	2.422E+00	2.841E+00	1.701E+00	2.431E+00	2.199E+00	1.638E+00	1.748E+00	2.796E+00	1.505E+00	2.271E+00	1.825E+00
129	3.482E-02	4.675E-02	1.790E-01	2.858E-02	5.138E-02	4.194E-02	3.295E-02	3.188E-02	1.345E-01	4.568E-02	4.301E-02	3.117E-02
130	1.181E+01	3.161E+00	5.227E+00	3.224E+00	3.856E+00	5.603E+00	7.523E+00	1.009E+01	1.241E+01	7.625E+00	1.132E+01	1.131E+01
131	7.344E+00	3.882E+00	6.892E+00	3.464E+00	3.446E+00	4.414E+00	8.340E+00	7.212E+00	1.068E+01	6.067E+00	8.576E+00	5.808E+00
132	4.550E-02	8.994E-02	9.439E-03	1.184E-01	6.723E-02	5.156E-02	5.272E-02	1.024E-01	9.439E-02	6.394E-02	5.289E-02	1.220E-01
133	1.069E-02	3.117E-02	1.888E-02	1.229E-02	1.184E-02	2.582E-02	2.965E-02	3.188E-02	2.012E-02	3.348E-02	2.315E-02	3.117E-02
134	1.069E-02	3.900E-03	9.439E-03	1.229E-02	3.954E-03	1.291E-02	9.884E-03	2.484E-02	4.025E-02	9.172E-03	0.000E+00	1.870E-02
135	2.146E-02	1.950E-02	9.439E-03	4.087E-03	1.184E-02	1.291E-02	1.977E-02	1.060E-02	2.689E-02	2.431E-02	1.986E-02	2.493E-02
136	5.361E-03	7.801E-03	0.000E+00	3.678E-02	1.977E-02	9.706E-03	1.977E-02	2.128E-02	1.345E-02	3.348E-02	1.656E-02	1.870E-02
137	3.482E-02	7.801E-02	5.663E-02	1.149E-01	7.115E-02	4.515E-02	6.589E-02	4.613E-02	8.059E-02	5.476E-02	4.630E-02	4.363E-02
138	2.146E-02	4.675E-02	1.888E-02	1.638E-02	5.931E-02	4.194E-02	1.977E-02	4.613E-02	3.357E-02	7.302E-02	1.327E-02	3.117E-02
139	1.256E-01	1.594E-01	1.505E-01	1.843E-01	2.217E-01	2.645E-01	1.612E-01	2.556E-01	3.758E-01	1.977E-01	2.378E-01	2.680E-01
140	7.765E-02	1.638E-01	9.439E-02	1.104E-01	1.817E-01	1.318E-01	2.173E-01	1.808E-01	1.478E-01	1.006E-01	1.621E-01	2.093E-01
141	4.817E-02	7.017E-02	3.776E-02	3.678E-02	5.539E-02	2.253E-02	4.942E-02	6.741E-02	3.357E-02	6.696E-02	4.630E-02	5.931E-02
142	1.069E-02	7.801E-03	4.720E-02	8.175E-03	1.184E-02	2.582E-02	1.318E-02	7.088E-03	4.025E-02	9.172E-03	9.884E-03	1.558E-02
143	8.032E-03	1.167E-02	9.439E-03	1.638E-02	3.562E-02	6.447E-03	1.647E-02	2.128E-02	3.357E-02	2.128E-02	2.974E-02	1.247E-02
144	4.550E-02	1.950E-02	4.720E-02	3.268E-02	4.746E-02	2.582E-02	2.965E-02	6.028E-02	6.046E-02	7.302E-02	9.884E-03	8.424E-02
145	2.413E-02	1.167E-02	2.832E-02	3.268E-02	4.354E-02	2.253E-02	1.647E-02	3.544E-02	4.702E-02	3.651E-02	1.327E-02	4.675E-02
146	1.309E-01	2.538E-01	2.360E-01	1.434E-01	1.621E-01	2.582E-01	3.295E-01	1.808E-01	2.351E-01	1.701E-01	3.010E-01	1.808E-01
147	1.042E-01	8.994E-02	1.229E-01	5.726E-02	7.516E-02	6.126E-02	7.907E-02	2.591E-01	3.624E-01	1.888E-01	2.378E-01	1.656E-01
148	2.894E-01	2.030E-01	1.505E-01	2.084E-01	4.550E-01	5.476E-01	3.491E-01	8.442E-01	1.006E+00	5.690E-01	5.058E-01	6.305E-01
149	5.895E-02	3.900E-02	7.542E-02	7.765E-02	9.083E-02	8.994E-02	4.942E-02	1.309E-01	1.541E-01	9.172E-02	1.193E-01	1.532E-01
150	1.069E-02	2.725E-02	1.888E-02	2.048E-02	2.769E-02	1.932E-02	9.884E-03	1.772E-02	6.046E-02	2.128E-02	1.327E-02	1.870E-02
151	1.603E-02	1.950E-02	4.720E-02	2.449E-02	1.184E-02	1.932E-02	1.977E-02	2.841E-02	3.357E-02	1.523E-02	9.884E-03	3.428E-02
152	6.963E-02	1.167E-02	2.832E-02	2.048E-02	2.769E-02	1.612E-02	2.965E-02	2.841E-02	1.077E-01	5.779E-02	3.972E-02	6.242E-02
153	2.413E-02	1.950E-02	1.888E-02	4.087E-03	2.769E-02	2.903E-02	1.977E-02	2.841E-02	8.727E-02	2.431E-02	1.327E-02	2.182E-02
154	8.032E-03	1.558E-02	3.776E-02	8.175E-03	7.907E-03	6.447E-03	9.884E-03	1.416E-02	2.689E-02	2.431E-02	9.884E-03	9.350E-03
155	1.336E-02	2.342E-02	4.720E-02	4.497E-02	4.354E-02	9.706E-03	1.647E-02	2.484E-02	6.046E-02	3.045E-02	1.327E-02	9.350E-03
156	1.719E-01	5.539E-01	4.052E-01	2.903E-01	3.241E-01	3.446E-01	9.350E-01	3.402E-01	4.025E-01	2.315E-01	5.850E-01	2.244E-01
157	7.498E-02	1.362E-01	7.542E-02	8.175E-02	1.184E-01	1.389E-01	2.369E-01	1.487E-01	1.612E-01	1.158E-01	3.143E-01	1.345E-01
158	2.841E-01	3.980E-01	2.173E-01	2.413E-01	3.874E-01	5.352E-01	6.652E-01	3.259E-01	4.898E-01	2.645E-01	6.055E-01	3.304E-01
159	9.350E-02	1.478E-01	8.486E-02	8.175E-02	1.184E-01	1.647E-01	1.745E-01	1.558E-01	1.478E-01	1.184E-01	2.449E-01	9.973E-02
160	3.749E-02	1.950E-02	1.888E-02	2.449E-02	1.585E-02	4.194E-02	2.636E-02	2.484E-02	3.357E-02	4.871E-02	3.642E-02	2.182E-02
161	1.879E-02	2.725E-02	3.776E-02	5.316E-02	8.308E-02	4.194E-02	1.977E-02	3.188E-02	6.714E-02	4.871E-02	1.986E-02	4.675E-02
162	2.680E-02	2.342E-02	4.720E-02	4.087E-02	3.161E-02	4.515E-02	1.318E-02	4.256E-02	4.702E-02	2.743E-02	1.656E-02	1.247E-02
163	2.413E-02	4.675E-02	5.663E-02	3.678E-02	3.161E-02	1.612E-02	1.647E-02	1.772E-02	3.357E-02	2.743E-02	4.301E-02	3.117E-02
164	1.603E-02	1.558E-02	1.888E-02	8.175E-03	7.907E-03	1.291E-02	1.977E-02	1.772E-02	4.702E-02	1.825E-02	2.645E-02	9.350E-03

	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ
165	1.879E-02	3.117E-02	1.888E-02	2.449E-02	1.977E-02	1.612E-02	3.295E-02	1.772E-02	3.357E-02	1.825E-02	3.972E-02	1.870E-02
166	3.482E-02	3.117E-02	6.598E-02	8.175E-03	3.562E-02	4.194E-02	3.954E-02	7.088E-02	9.439E-02	3.954E-02	5.619E-02	3.740E-02
167	9.884E-02	3.348E-01	3.206E-01	1.674E-01	2.137E-01	2.965E-01	5.307E-01	2.413E-01	3.286E-01	1.398E-01	4.167E-01	1.808E-01
168	6.429E-02	1.558E-01	1.131E-01	1.434E-01	1.977E-01	1.870E-01	1.487E-01	1.131E-01	1.211E-01	7.907E-02	2.484E-01	9.706E-02
169	3.482E-02	9.706E-02	5.663E-02	5.316E-02	9.884E-02	8.994E-02	1.024E-01	7.088E-02	4.025E-02	4.871E-02	1.158E-01	7.801E-02
170	2.413E-02	3.508E-02	9.439E-03	4.087E-02	5.138E-02	8.059E-02	2.636E-02	2.484E-02	2.689E-02	4.256E-02	4.301E-02	3.117E-02
171	2.146E-02	1.558E-02	3.776E-02	4.497E-02	8.308E-02	8.709E-02	3.295E-02	3.544E-02	1.140E-01	4.568E-02	1.986E-02	4.052E-02
172	4.427E-02	8.265E-02	1.373E-01	6.475E-02	3.924E-02	4.660E-02	3.716E-02	1.064E-01	9.246E-02	4.733E-02	7.787E-02	7.995E-02
173	1.282E+00	1.693E+00	1.025E+00	1.844E+00	1.626E+00	1.291E+00	1.416E+00	1.839E+00	2.506E+00	1.402E+00	1.642E+00	1.617E+00
174	1.949E+00	2.659E+00	1.096E+00	2.735E+00	2.568E+00	1.998E+00	2.466E+00	2.427E+00	3.951E+00	2.241E+00	2.595E+00	2.526E+00
175	8.288E-01	6.658E-01	5.800E-01	6.278E-01	5.874E-01	4.500E-01	5.984E-01	1.132E+00	1.134E+00	8.489E-01	6.781E-01	9.708E-01
176	1.957E+00	2.998E+00	4.288E+00	3.838E+00	2.370E+00	1.923E+00	1.689E+00	2.883E+00	3.107E+00	1.969E+00	2.144E+00	2.198E+00
177	7.321E-01	9.625E-01	3.141E+00	9.186E-01	5.739E-01	6.544E-01	9.375E-01	1.081E+00	1.306E+00	6.094E-01	1.113E+00	1.014E+00
178	1.692E-01	8.056E-02	3.519E-01	1.459E-01	8.056E-02	1.582E-01	1.410E-01	2.764E-01	2.759E-01	1.521E-01	2.207E-01	1.570E-01
179	3.029E-02	1.987E-02	3.372E-02	1.631E-02	1.521E-02	1.729E-02	1.680E-02	3.617E-02	4.071E-02	2.771E-02	1.962E-02	3.519E-02
180	2.514E-02	1.717E-02	1.300E-02	2.931E-02	2.452E-02	1.459E-02	1.225E-02	2.391E-02	2.685E-02	1.508E-02	1.545E-02	2.710E-02
181	1.545E-02	1.127E-02	1.950E-02	2.649E-02	1.471E-02	1.199E-02	4.991E-03	1.361E-02	2.121E-02	1.132E-02	1.002E-02	1.031E-02
182	6.671E-02	1.300E-01	4.672E-02	1.533E-01	1.226E-01	9.994E-02	9.528E-02	1.349E-01	1.183E-01	8.927E-02	1.107E-01	8.596E-02
183	1.374E+00	1.956E+00	3.237E-01	2.107E+00	1.721E+00	1.430E+00	1.508E+00	2.479E+00	1.619E+00	1.516E+00	1.718E+00	1.446E+00
184	1.195E+00	1.977E+00	3.421E-01	2.170E+00	1.921E+00	1.723E+00	1.703E+00	2.296E+00	1.787E+00	1.260E+00	1.869E+00	1.330E+00
185	9.380E-01	1.341E+00	1.026E-01	1.621E+00	1.359E+00	1.251E+00	1.155E+00	1.681E+00	1.298E+00	1.030E+00	1.235E+00	9.343E-01
186	2.324E+00	3.139E+00	5.334E-01	3.976E+00	2.928E+00	2.706E+00	2.612E+00	3.746E+00	3.093E+00	2.429E+00	2.520E+00	2.071E+00
187	8.812E-01	7.296E-01	1.570E-01	7.836E-01	5.996E-01	5.248E-01	5.628E-01	1.175E+00	7.112E-01	7.909E-01	6.806E-01	7.552E-01
188	8.486E-02	5.960E-02	3.507E-02	6.021E-02	4.145E-02	3.863E-02	4.672E-02	1.074E-01	7.124E-02	7.370E-02	5.150E-02	7.002E-02
189	1.251E-02	1.239E-02	3.899E-03	2.477E-02	1.035E-02	1.199E-02	1.089E-02	3.912E-02	2.121E-02	1.839E-02	2.183E-02	1.251E-02
190	2.036E-01	2.624E-01	1.386E-01	2.563E-01	2.097E-01	2.048E-01	1.741E-01	5.093E-01	3.200E-01	1.778E-01	3.311E-01	2.428E-01
191	2.246E+00	3.675E+00	2.372E+00	3.915E+00	2.102E+00	2.829E+00	3.268E+00	4.516E+00	2.771E+00	1.895E+00	3.447E+00	2.448E+00
192	7.370E-01	6.352E-01	4.206E-01	9.372E-01	4.684E-01	8.555E-01	7.541E-01	1.412E+00	8.400E-01	6.855E-01	9.360E-01	6.194E-01
193	1.117E-01	5.849E-02	4.292E-02	9.847E-02	6.646E-02	9.675E-02	6.536E-02	1.655E-01	1.324E-01	8.547E-02	9.332E-02	8.596E-02
194	8.044E-02	1.219E-01	1.815E-02	1.312E-01	2.244E-01	1.159E-01	6.438E-02	8.351E-02	1.704E-01	7.419E-02	9.479E-02	8.547E-02
195	3.029E-02	5.800E-02	1.435E-02	5.800E-02	8.498E-02	5.101E-02	2.318E-02	3.568E-02	6.291E-02	4.059E-02	2.955E-02	3.397E-02
196	1.373E-01	2.305E-01	1.888E-01	2.305E-01	9.969E-02	1.212E-01	2.109E-01	3.691E-01	1.913E-01	1.337E-01	2.293E-01	1.386E-01
197	1.055E-01	1.655E-01	9.479E-02	1.680E-01	7.247E-02	9.945E-02	1.447E-01	2.011E-01	1.349E-01	1.082E-01	1.803E-01	1.194E-01
198	6.781E-02	7.946E-02	4.942E-02	9.405E-02	7.738E-02	9.810E-02	5.714E-02	1.373E-01	7.762E-02	6.156E-02	8.424E-02	8.596E-02
199	1.349E-01	2.563E-01	3.250E-02	2.784E-01	2.624E-01	2.894E-01	1.373E-01	2.121E-01	1.373E-01	1.288E-01	1.570E-01	1.337E-01
200	7.272E-02	9.013E-02	1.692E-02	1.188E-01	1.239E-01	1.047E-01	4.623E-02	9.135E-02	8.228E-02	7.836E-02	7.333E-02	5.923E-02
201	3.544E-02	6.928E-02	2.207E-02	7.652E-02	1.019E-01	6.254E-02	2.771E-02	5.616E-02	7.676E-02	2.980E-02	4.598E-02	4.598E-02
202	1.288E-02	2.894E-02	5.199E-03	3.151E-02	2.293E-02	2.710E-02	9.074E-03	2.685E-02	1.852E-02	1.089E-02	1.002E-02	1.459E-02
203	3.323E-03	1.074E-03	2.600E-03	0.000E+00	1.089E-03	4.439E-04	1.361E-03	4.880E-04	9.246E-04	1.263E-03	1.361E-03	8.596E-04
204	1.106E-02	2.305E-02	1.039E-02	2.416E-02	1.852E-02	2.403E-02	9.528E-03	2.097E-02	1.570E-02	1.132E-02	1.275E-02	7.738E-03
205	3.691E-04	1.606E-03	1.300E-03	1.126E-03	3.262E-03	2.219E-03	2.722E-03	1.950E-03	1.852E-03	1.263E-03	2.281E-03	1.288E-03

	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ
206	1.913E-02	5.212E-02	6.499E-03	4.611E-02	4.083E-02	3.863E-02	1.680E-02	2.735E-02	3.323E-02	2.269E-02	1.962E-02	2.232E-02
207	2.955E-03	1.020E-02	2.600E-03	9.565E-03	1.089E-02	8.437E-03	2.722E-03	3.421E-03	1.852E-03	5.445E-03	9.111E-03	2.146E-03
208	3.323E-03	5.371E-03	3.899E-03	6.757E-03	4.905E-03	3.556E-03	5.898E-03	2.440E-03	5.543E-03	6.708E-03	5.469E-03	2.575E-03
209	7.382E-04	0.000E+00	3.899E-03	1.126E-03	2.722E-03	4.439E-04	4.537E-04	4.880E-04	9.246E-04	4.194E-04	4.549E-04	0.000E+00
210	0.000E+00	0.000E+00	1.300E-03	5.628E-04	1.089E-03	4.439E-04	9.074E-04	0.000E+00	0.000E+00	8.375E-04	9.111E-04	4.292E-04
211	3.691E-04	1.074E-03	2.600E-03	5.628E-04	5.445E-04	0.000E+00	1.815E-03	4.880E-04	0.000E+00	4.194E-04	1.827E-03	8.596E-04
212	1.471E-03	1.606E-03	0.000E+00	3.936E-03	3.814E-03	3.556E-03	3.176E-03	4.880E-04	2.771E-03	1.263E-03	3.188E-03	3.863E-03
213	2.207E-03	3.225E-03	3.899E-03	6.193E-03	2.183E-03	2.219E-03	2.269E-03	2.931E-03	6.475E-03	4.194E-03	3.642E-03	1.717E-03
214	2.207E-03	5.910E-03	3.899E-03	4.500E-03	2.183E-03	4.439E-03	3.176E-03	2.440E-03	3.703E-03	2.097E-03	3.188E-03	1.717E-03
215	3.691E-04	5.371E-04	1.300E-03	0.000E+00	0.000E+00	1.778E-03	1.361E-03	0.000E+00	0.000E+00	8.375E-04	1.827E-03	0.000E+00
216	7.382E-04	0.000E+00	0.000E+00	5.628E-04	5.445E-04	1.778E-03	1.361E-03	0.000E+00	0.000E+00	8.375E-04	4.549E-04	8.596E-04
217	1.106E-03	1.606E-03	2.600E-03	1.692E-03	5.445E-04	4.439E-04	9.074E-04	4.880E-04	1.852E-03	8.375E-04	9.111E-04	1.288E-03
218	1.784E+00	2.022E+00	3.875E-01	1.913E+00	1.618E+00	1.343E+00	1.553E+00	2.513E+00	1.647E+00	1.784E+00	1.766E+00	1.670E+00
219	1.398E-02	1.827E-02	1.300E-02	2.416E-02	1.582E-02	2.219E-02	1.594E-02	3.078E-02	1.668E-02	2.600E-02	2.318E-02	1.545E-02
220	1.512E+00	1.041E+00	1.777E+00	1.019E+00	1.257E+00	1.895E+00	7.677E-01	2.260E+00	2.534E+00	1.173E+00	1.939E+00	1.905E+00
221	5.178E+01	6.607E+01	7.970E+01	6.573E+01	6.810E+01	7.119E+01	5.449E+01	5.682E+01	6.305E+01	5.071E+01	6.634E+01	6.063E+01
222	5.528E+01	2.413E+01	6.168E+01	2.681E+01	3.116E+01	3.439E+01	3.196E+01	4.355E+01	6.416E+01	5.448E+01	3.982E+01	6.508E+01
223	2.995E+01	2.123E+01	4.205E+01	1.987E+01	2.257E+01	2.272E+01	2.040E+01	2.367E+01	2.799E+01	2.281E+01	2.548E+01	3.167E+01
224	1.901E+01	1.631E+01	2.007E+01	1.854E+01	2.484E+01	2.577E+01	1.445E+01	2.364E+01	2.565E+01	2.018E+01	2.436E+01	2.676E+01
225	1.668E+01	1.515E+01	4.262E+01	1.303E+01	9.880E+00	1.371E+01	1.898E+01	1.145E+01	1.427E+01	1.030E+01	2.535E+01	1.660E+01
226	5.709E+00	4.192E+00	2.277E+01	3.876E+00	3.056E+00	5.051E+00	8.835E+00	5.558E+00	8.234E+00	4.581E+00	8.878E+00	5.740E+00
227	2.279E+00	1.314E+00	5.747E+00	1.579E+00	1.098E+00	2.013E+00	2.906E+00	1.878E+00	2.611E+00	1.684E+00	3.347E+00	2.402E+00
228	4.718E-01	3.507E-01	2.524E-01	4.236E-01	5.122E-01	6.217E-01	2.947E-01	6.391E-01	4.554E-01	8.026E-01	5.702E-01	1.543E+00
229	4.942E-01	3.766E-01	2.835E-01	4.528E-01	5.240E-01	6.190E-01	3.272E-01	8.820E-01	4.621E-01	8.400E-01	5.977E-01	1.462E+00
230	3.900E+01	4.245E+01	6.425E+01	3.809E+01	3.289E+01	2.526E+01	3.198E+01	2.140E+01	2.507E+01	2.820E+01	1.878E+01	2.345E+01
231	4.191E+00	4.561E+00	6.438E+00	4.809E+00	4.583E+00	3.480E+00	3.544E+00	3.670E+00	3.156E+00	5.437E+00	3.607E+00	4.939E+00
232	1.913E+00	1.758E+00	1.982E+00	1.679E+00	1.577E+00	1.601E+00	1.770E+00	1.397E+00	1.813E+00	1.906E+00	1.575E+00	1.507E+00
233	5.033E+00	6.990E+00	8.487E+00	5.205E+00	5.037E+00	4.835E+00	5.309E+00	4.796E+00	6.142E+00	6.351E+00	4.970E+00	5.484E+00
234	1.368E+01	2.449E+01	2.416E+01	1.829E+01	2.306E+01	1.869E+01	1.580E+01	1.815E+01	1.497E+01	1.440E+01	1.829E+01	1.526E+01
235	1.017E+01	1.527E+01	1.013E+01	1.662E+01	1.173E+01	9.986E+00	1.309E+01	9.332E+00	6.753E+00	9.229E+00	9.466E+00	7.615E+00
236	9.578E-01	5.763E-01	3.871E-01	5.999E-01	5.721E-01	6.754E-01	5.615E-01	7.310E-01	1.300E+00	1.237E+00	9.044E-01	8.377E-01
237	6.739E+00	2.028E+00	1.812E+00	3.055E+00	1.939E+00	2.524E+00	3.238E+00	4.439E+00	6.499E+00	7.148E+00	3.341E+00	4.990E+00
238	7.229E+00	5.534E+00	5.485E+00	6.389E+00	4.684E+00	4.650E+00	5.716E+00	5.191E+00	5.680E+00	6.414E+00	4.765E+00	5.340E+00
239	1.407E+00	1.187E+00	1.086E+00	1.559E+00	1.118E+00	1.155E+00	1.315E+00	1.087E+00	1.079E+00	1.396E+00	1.214E+00	1.195E+00
240	1.719E+01	1.202E+01	2.433E+00	1.335E+01	1.981E+01	1.747E+01	7.706E+00	1.550E+01	2.290E+01	2.094E+01	1.477E+01	1.364E+01
241	2.127E+02	2.101E+02	1.037E+02	2.233E+02	2.323E+02	2.296E+02	2.091E+02	2.753E+02	2.685E+02	2.286E+02	2.240E+02	2.255E+02
242	1.554E+02	1.875E+02	9.555E+01	1.802E+02	1.821E+02	1.685E+02	1.746E+02	1.730E+02	1.417E+02	1.517E+02	1.719E+02	1.482E+02
243	1.622E+01	1.938E+01	8.825E+00	1.890E+01	1.736E+01	1.636E+01	1.907E+01	1.589E+01	1.206E+01	1.476E+01	1.686E+01	1.397E+01
244	9.376E+00	5.351E+00	8.884E+00	6.201E+00	4.873E+00	6.587E+00	1.109E+01	7.541E+00	9.468E+00	7.615E+00	1.107E+01	9.154E+00
245	6.030E+00	2.422E+00	3.149E+00	3.321E+00	2.646E+00	3.506E+00	4.371E+00	5.015E+00	6.060E+00	5.470E+00	4.665E+00	4.476E+00
246	8.592E+00	5.348E+00	2.684E+00	7.056E+00	6.028E+00	6.098E+00	5.757E+00	8.194E+00	9.381E+00	1.021E+01	5.826E+00	6.620E+00

	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ
247	5.057E+00	4.190E+00	2.796E+00	4.776E+00	3.900E+00	4.852E+00	4.575E+00	4.760E+00	5.196E+00	6.091E+00	4.900E+00	4.916E+00
248	7.295E+01	1.045E+02	5.693E+01	9.520E+01	5.884E+01	7.730E+01	1.195E+02	7.908E+01	7.228E+01	6.455E+01	1.365E+02	6.675E+01
249	7.745E+01	4.570E+01	2.392E+01	6.336E+01	4.950E+01	7.693E+01	6.775E+01	9.043E+01	7.579E+01	7.649E+01	8.966E+01	5.690E+01
250	1.370E+02	7.818E+01	4.348E+01	9.961E+01	1.263E+02	1.291E+02	9.639E+01	1.765E+02	1.546E+02	1.526E+02	1.248E+02	1.481E+02
251	5.590E+01	4.222E+01	2.717E+01	4.761E+01	6.253E+01	5.884E+01	3.970E+01	6.708E+01	5.631E+01	6.098E+01	5.470E+01	6.702E+01
252	3.823E+00	3.019E+00	2.016E+00	3.444E+00	4.261E+00	4.015E+00	2.745E+00	4.381E+00	3.956E+00	4.172E+00	4.219E+00	4.783E+00
253	3.763E+00	2.523E+00	3.342E+00	2.646E+00	2.528E+00	2.874E+00	4.184E+00	3.790E+00	4.676E+00	3.558E+00	5.275E+00	3.437E+00
254	8.169E+00	5.717E+00	1.067E+01	6.108E+00	5.239E+00	6.570E+00	9.509E+00	7.153E+00	8.185E+00	5.915E+00	1.044E+01	7.111E+00
255	7.945E+00	5.879E+00	7.593E+00	6.819E+00	4.881E+00	6.234E+00	9.195E+00	7.115E+00	7.309E+00	6.351E+00	9.525E+00	6.540E+00
256	3.765E+00	3.497E+00	1.924E+00	4.147E+00	2.390E+00	3.046E+00	3.322E+00	3.465E+00	3.159E+00	3.551E+00	3.834E+00	2.559E+00
257	5.670E+00	4.583E+00	4.779E+00	4.698E+00	4.236E+00	4.916E+00	4.621E+00	4.252E+00	6.140E+00	5.801E+00	4.218E+00	4.488E+00
258	2.381E+01	2.132E+01	1.675E+01	2.365E+01	1.552E+01	2.584E+01	3.620E+01	2.751E+01	2.634E+01	2.036E+01	5.625E+01	2.300E+01
259	3.887E+01	4.381E+01	2.665E+01	4.563E+01	3.492E+01	5.325E+01	5.666E+01	4.505E+01	4.095E+01	3.233E+01	8.132E+01	4.505E+01
260	3.473E+01	3.459E+01	3.493E+01	3.855E+01	3.400E+01	4.930E+01	3.705E+01	3.857E+01	3.355E+01	3.213E+01	5.115E+01	3.079E+01
261	3.096E+01	4.121E+01	6.691E+01	4.124E+01	4.474E+01	3.479E+01	3.513E+01	2.685E+01	2.790E+01	2.659E+01	2.380E+01	2.551E+01
262	1.191E+01	9.646E+00	1.539E+01	1.256E+01	1.510E+01	1.407E+01	1.053E+01	1.163E+01	1.263E+01	1.375E+01	9.429E+00	1.275E+01
263	2.867E+00	2.025E+00	2.707E+00	2.330E+00	1.672E+00	2.294E+00	3.585E+00	3.093E+00	3.378E+00	2.594E+00	3.430E+00	2.156E+00
264	3.556E+00	3.504E+00	2.558E+00	3.793E+00	2.482E+00	3.000E+00	3.814E+00	3.331E+00	2.926E+00	3.073E+00	4.063E+00	2.291E+00
265	2.553E+00	2.282E+00	1.610E+00	2.732E+00	2.151E+00	2.590E+00	2.532E+00	2.421E+00	2.180E+00	2.168E+00	3.058E+00	1.804E+00
266	2.405E+00	2.940E+00	9.359E-01	3.139E+00	3.449E+00	3.537E+00	1.994E+00	2.136E+00	2.317E+00	2.633E+00	2.432E+00	1.866E+00
267	2.032E+00	2.876E+00	1.541E+00	2.896E+00	2.996E+00	3.150E+00	1.835E+00	2.105E+00	2.113E+00	2.378E+00	2.020E+00	1.788E+00
268	9.015E+00	9.187E+00	7.081E+00	8.700E+00	7.746E+00	1.399E+01	1.736E+01	1.767E+01	1.382E+01	1.005E+01	2.014E+01	1.243E+01
269	7.958E+00	9.173E+00	3.375E+00	9.584E+00	9.354E+00	1.399E+01	1.162E+01	1.140E+01	9.453E+00	8.618E+00	1.478E+01	8.791E+00
270	3.912E+00	3.946E+00	1.216E+00	4.741E+00	4.523E+00	7.127E+00	4.304E+00	4.894E+00	3.664E+00	3.905E+00	7.106E+00	4.089E+00
271	1.440E+01	1.530E+01	2.109E+01	1.286E+01	1.021E+01	8.996E+00	1.387E+01	9.733E+00	1.089E+01	1.145E+01	9.325E+00	1.160E+01
272	8.862E+01	1.104E+02	1.688E+02	9.607E+01	8.531E+01	6.692E+01	8.359E+01	5.560E+01	5.987E+01	7.164E+01	4.846E+01	7.467E+01
273	9.372E+01	1.146E+02	1.865E+02	1.024E+02	9.094E+01	7.173E+01	8.810E+01	5.741E+01	6.646E+01	7.655E+01	5.275E+01	7.491E+01
274	1.433E+01	1.777E+01	2.853E+01	1.593E+01	1.540E+01	1.080E+01	1.275E+01	8.257E+00	9.189E+00	1.214E+01	7.599E+00	1.211E+01
275	6.744E-01	8.439E-01	1.026E+00	6.024E-01	7.246E-01	6.532E-01	6.522E-01	7.605E-01	6.204E-01	5.910E-01	6.306E-01	4.849E-01
276	8.478E+00	1.395E+01	1.752E+01	9.447E+00	9.357E+00	7.472E+00	1.050E+01	6.261E+00	6.109E+00	6.848E+00	6.463E+00	6.388E+00
277	1.775E+01	4.598E+01	5.555E+01	2.729E+01	3.814E+01	2.230E+01	2.597E+01	1.580E+01	1.523E+01	1.913E+01	1.590E+01	2.012E+01
278	1.769E+01	4.413E+01	5.569E+01	2.689E+01	3.784E+01	2.199E+01	2.543E+01	1.414E+01	1.499E+01	1.885E+01	1.573E+01	1.931E+01
279	4.473E+00	1.004E+01	1.085E+01	7.284E+00	1.085E+01	7.486E+00	5.981E+00	5.928E+00	4.808E+00	5.216E+00	6.579E+00	6.749E+00
280	6.846E+00	5.742E+00	5.156E+00	5.593E+00	6.605E+00	6.254E+00	4.952E+00	5.850E+00	7.394E+00	7.250E+00	5.275E+00	6.069E+00
281	1.278E+02	1.120E+02	6.178E+01	1.174E+02	1.105E+02	1.193E+02	1.262E+02	1.363E+02	1.345E+02	1.479E+02	1.171E+02	1.424E+02
282	1.116E+02	9.609E+01	5.580E+01	1.037E+02	9.723E+01	1.052E+02	1.120E+02	1.066E+02	1.180E+02	1.309E+02	1.006E+02	1.238E+02
283	5.440E+01	6.120E+01	2.665E+01	5.525E+01	5.239E+01	5.298E+01	6.071E+01	4.430E+01	4.041E+01	4.839E+01	5.245E+01	5.473E+01
284	6.413E+00	4.370E+00	4.053E+00	4.652E+00	4.407E+00	6.249E+00	4.787E+00	5.946E+00	6.606E+00	8.426E+00	5.390E+00	6.976E+00
285	8.433E+01	5.322E+01	5.105E+01	6.197E+01	7.361E+01	7.968E+01	6.362E+01	9.420E+01	8.592E+01	9.747E+01	7.050E+01	1.038E+02
286	6.254E+01	4.301E+01	4.610E+01	5.100E+01	5.875E+01	6.247E+01	5.159E+01	5.777E+01	6.836E+01	7.481E+01	5.503E+01	7.542E+01
287	1.071E+01	7.618E+00	4.949E+00	8.047E+00	1.039E+01	1.062E+01	7.165E+00	8.644E+00	9.201E+00	1.106E+01	9.915E+00	1.118E+01

	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ
288	5.725E+01	7.871E+01	1.352E+02	7.177E+01	7.925E+01	6.144E+01	6.906E+01	4.832E+01	4.890E+01	4.784E+01	4.280E+01	4.511E+01
289	4.592E+01	6.653E+01	1.116E+02	6.140E+01	6.635E+01	4.907E+01	6.005E+01	2.564E+01	4.220E+01	3.943E+01	3.296E+01	3.514E+01
290	1.790E+01	1.846E+01	3.647E+01	2.204E+01	2.155E+01	2.187E+01	2.132E+01	1.672E+01	1.878E+01	1.971E+01	1.417E+01	1.801E+01
291	1.461E+01	1.495E+01	2.952E+01	1.797E+01	1.742E+01	1.780E+01	1.740E+01	9.853E+00	1.591E+01	1.653E+01	1.128E+01	1.431E+01
292	2.323E+00	1.694E+00	2.165E+00	2.032E+00	2.630E+00	2.589E+00	1.814E+00	1.555E+00	2.387E+00	2.753E+00	1.799E+00	2.281E+00
293	1.923E+00	2.495E+00	9.766E-01	2.399E+00	3.153E+00	3.159E+00	1.598E+00	1.206E+00	1.734E+00	2.049E+00	1.904E+00	1.730E+00
294	2.093E+00	2.034E+00	6.709E-01	2.121E+00	2.151E+00	2.318E+00	1.778E+00	1.971E+00	2.296E+00	3.023E+00	2.176E+00	2.737E+00
295	2.053E+00	1.989E+00	6.941E-01	2.170E+00	2.108E+00	2.330E+00	1.773E+00	2.371E+00	2.290E+00	3.095E+00	2.226E+00	2.793E+00
296	1.260E+00	1.447E+00	4.892E-01	1.434E+00	1.256E+00	1.218E+00	1.248E+00	1.560E+00	1.259E+00	1.578E+00	1.444E+00	1.712E+00
297	2.443E-01	3.102E-01	2.136E+00	2.879E-01	3.962E-01	2.520E-01	2.505E-01	1.643E-01	2.399E-01	1.500E-01	1.324E-01	2.265E-01
298	1.040E-02	1.748E-02	7.079E-02	1.594E-02	2.424E-02	1.324E-02	1.266E-02	1.562E-02	9.482E-03	9.224E-03	1.259E-02	2.064E-02
299	6.200E-02	2.581E-01	6.609E-01	1.388E-01	3.444E-01	1.330E-01	1.313E-01	6.886E-02	6.328E-02	4.441E-02	6.822E-02	8.881E-02
300	4.634E-03	1.414E-02	3.389E-02	6.822E-03	2.029E-02	1.079E-02	6.050E-03	4.634E-03	4.891E-03	2.553E-03	4.483E-03	1.259E-02
301	5.728E-02	1.199E-01	3.314E-01	9.031E-02	1.695E-01	9.525E-02	1.023E-01	6.307E-02	4.913E-02	4.183E-02	4.891E-02	6.822E-02
302	8.538E-03	1.199E-02	1.167E-01	7.701E-03	2.252E-02	1.302E-02	6.736E-03	8.667E-03	8.323E-03	5.964E-03	8.452E-03	1.015E-02
303	2.393E-01	2.588E-01	7.716E-01	2.630E-01	3.900E-01	3.182E-01	3.138E-01	1.873E-01	2.623E-01	2.122E-01	2.447E-01	2.723E-01
304	2.875E-03	4.998E-03	1.178E-02	3.668E-03	8.774E-03	2.853E-03	2.424E-03	5.792E-03	8.624E-03	2.424E-03	2.338E-03	5.599E-03
305	3.763E-01	6.154E-01	2.001E+00	5.183E-01	8.689E-01	5.148E-01	5.628E-01	2.556E-01	3.873E-01	2.463E-01	2.954E-01	3.762E-01
306	2.360E-02	3.969E-02	1.176E-01	3.733E-02	6.972E-02	5.406E-02	3.475E-02	2.424E-02	2.982E-02	2.130E-02	2.102E-02	4.333E-02
307	2.081E+00	1.174E+00	3.918E+00	1.899E+00	1.933E+00	2.057E+00	2.167E+00	1.379E+00	2.138E+00	1.836E+00	1.372E+00	2.332E+00
308	3.282E-02	1.497E-02	6.393E-02	2.660E-02	3.776E-02	3.432E-02	2.767E-02	2.724E-02	2.896E-02	2.617E-02	2.639E-02	3.883E-02
309	3.389E-03	9.653E-03	2.107E-02	9.096E-03	1.103E-02	5.492E-03	4.848E-03	2.896E-03	4.891E-03	2.982E-03	2.875E-03	5.942E-03
310	2.132E-03	2.338E-03	7.508E-03	2.274E-03	5.771E-03	2.446E-03	1.480E-03	9.825E-03	2.012E-03	2.553E-03	1.437E-03	5.234E-03
311	3.754E-04	3.325E-04	1.070E-03	8.752E-04	1.253E-03	8.152E-04	4.033E-04	1.735E-03	2.596E-03	1.137E-03	1.798E-04	1.049E-03
312	1.255E-04	2.338E-03	3.561E-04	5.256E-04	7.508E-04	1.424E-03	1.345E-04	5.792E-04	2.875E-04	2.832E-04	0.000E+00	0.000E+00
313	1.197E-01	1.382E-01	5.210E-01	1.448E-01	2.359E-01	1.542E-01	1.306E-01	1.081E-01	8.903E-02	7.036E-02	6.908E-02	1.242E-01
314	5.020E-03	5.492E-03	1.929E-02	7.701E-03	1.051E-02	8.345E-03	5.642E-03	1.098E-02	4.312E-03	2.832E-03	7.015E-03	1.572E-02
315	2.639E-02	4.719E-02	1.214E-01	2.639E-02	4.913E-02	2.574E-02	2.724E-02	2.660E-02	3.046E-02	1.903E-02	1.671E-02	2.724E-02
316	3.754E-04	9.975E-04	1.785E-03	1.750E-03	1.753E-03	1.424E-03	9.417E-04	2.896E-03	2.012E-03	5.685E-04	1.437E-03	3.497E-03
317	2.167E-02	2.703E-02	8.431E-02	2.510E-02	3.733E-02	2.639E-02	2.044E-02	2.896E-02	2.381E-02	1.349E-02	1.851E-02	2.381E-02
318	1.630E-03	9.975E-04	3.218E-03	2.810E-03	3.003E-03	1.832E-03	1.077E-03	2.317E-03	2.596E-03	8.517E-04	1.259E-03	1.748E-03
319	2.025E-01	1.287E-01	6.170E-01	1.828E-01	2.880E-01	2.540E-01	1.654E-01	1.568E-01	2.023E-01	1.242E-01	1.611E-01	1.304E-01
320	1.004E-03	3.325E-04	1.785E-03	5.256E-04	1.504E-03	1.221E-03	8.066E-04	5.792E-04	5.749E-04	5.685E-04	1.798E-04	1.049E-03
321	1.866E-01	1.875E-01	9.987E-01	2.276E-01	3.554E-01	2.783E-01	1.853E-01	1.064E-01	1.534E-01	8.581E-02	1.002E-01	1.100E-01
322	5.771E-03	5.149E-03	2.960E-02	9.289E-03	1.351E-02	7.744E-03	6.050E-03	1.098E-02	6.886E-03	3.261E-03	5.749E-03	5.942E-03
323	2.438E-01	1.281E-01	7.659E-01	2.122E-01	2.665E-01	3.198E-01	2.032E-01	1.735E-01	2.264E-01	1.461E-01	1.791E-01	1.798E-01
324	6.135E-03	4.483E-03	2.424E-02	6.307E-03	1.002E-02	1.120E-02	6.586E-03	9.825E-03	7.186E-03	2.982E-03	5.578E-03	3.840E-03
325	6.779E-03	1.032E-02	2.853E-02	7.530E-03	1.504E-02	1.139E-02	1.156E-02	1.214E-02	6.886E-03	6.393E-03	5.942E-03	9.096E-03
326	1.504E-03	6.650E-04	1.429E-03	1.051E-03	1.753E-03	1.424E-03	8.066E-04	2.317E-03	2.875E-03	7.101E-04	1.259E-03	3.153E-03
327	7.894E-03	1.347E-02	2.896E-02	9.632E-03	1.579E-02	1.384E-02	1.266E-02	1.040E-02	8.323E-03	6.243E-03	1.169E-02	9.782E-03
328	1.379E-03	1.997E-03	1.429E-03	1.401E-03	3.754E-03	2.853E-03	2.295E-03	2.317E-03	8.624E-04	1.847E-03	1.259E-03	3.840E-03

	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ
329	4.256E-01	3.909E-01	1.663E+00	3.809E-01	6.076E-01	4.631E-01	3.505E-01	2.672E-01	4.572E-01	2.291E-01	1.961E-01	2.021E-01
330	4.891E-03	5.985E-03	1.607E-02	4.913E-03	6.264E-03	6.521E-03	3.497E-03	5.213E-03	5.170E-03	4.677E-03	3.776E-03	4.891E-03
331	2.360E-02	3.625E-02	1.251E-01	2.639E-02	6.135E-02	3.089E-02	3.068E-02	2.083E-02	3.132E-02	1.974E-02	2.231E-02	2.381E-02
332	5.020E-04	1.830E-03	3.218E-03	3.497E-04	2.252E-03	1.424E-03	4.033E-04	1.156E-03	1.725E-03	9.932E-04	1.079E-03	1.748E-03
333	1.568E-02	2.317E-02	7.036E-02	1.892E-02	3.111E-02	2.553E-02	2.682E-02	1.735E-02	1.695E-02	1.193E-02	1.384E-02	1.678E-02
334	1.255E-04	3.325E-04	0.000E+00	8.752E-04	2.510E-04	6.114E-04	4.033E-04	1.735E-03	5.749E-04	0.000E+00	3.604E-04	0.000E+00
335	3.776E-02	3.454E-02	1.789E-01	3.583E-02	6.693E-02	5.771E-02	4.012E-02	2.424E-02	5.749E-02	3.475E-02	3.411E-02	2.724E-02
336	1.255E-03	3.497E-03	7.144E-03	1.926E-03	4.505E-03	2.231E-03	2.553E-03	4.634E-03	3.153E-03	1.705E-03	2.167E-03	5.599E-03
337	8.602E-02	8.581E-02	4.442E-01	8.924E-02	1.678E-01	1.004E-01	7.487E-02	3.411E-02	8.474E-02	4.848E-02	3.776E-02	3.604E-02
338	1.630E-03	1.497E-03	8.216E-03	2.810E-03	3.003E-03	2.036E-03	1.345E-03	0.000E+00	2.295E-03	1.279E-03	1.259E-03	2.789E-03
339	4.119E-02	2.875E-02	1.714E-01	3.861E-02	5.363E-02	5.771E-02	3.990E-02	3.475E-02	4.762E-02	3.368E-02	2.875E-02	2.167E-02
340	1.504E-03	3.153E-03	8.559E-03	2.446E-03	5.513E-03	2.853E-03	6.736E-04	8.087E-03	3.733E-03	2.703E-03	1.978E-03	2.789E-03
341	2.875E-03	4.827E-03	1.536E-02	4.719E-03	9.010E-03	5.706E-03	4.312E-03	9.825E-03	3.454E-03	3.840E-03	2.875E-03	5.234E-03
342	3.754E-04	1.997E-03	1.785E-03	7.015E-04	1.504E-03	1.017E-03	2.682E-04	5.792E-04	5.749E-04	8.517E-04	1.798E-04	3.497E-03
343	5.277E-03	8.495E-03	1.999E-02	7.015E-03	8.517E-03	6.114E-03	5.642E-03	6.371E-03	4.033E-03	4.548E-03	5.578E-03	9.782E-03
344	7.530E-04	6.650E-04	3.561E-04	1.051E-03	5.020E-04	2.036E-04	2.682E-04	1.156E-03	0.000E+00	5.685E-04	1.798E-04	1.049E-03

	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW
1	**CA258**	**14670**	**13667**	**CA056**	**CA132**	**CA069**	**CA075**	**CA253**	**CA131**	**14725**	**14481**	**14486**	**CA417**
2	**Control**	**Benign**	**Late Malignant**	**Control**	**Control**	**Control**	**Control**	**Control**	**Control**	**Early Malignant**	**Late Malignant**	**Benign**	**Control**
3	0	1	3	0	0	0	0	0	0	2	3	1	0
4	1	-1	-1	1	1	1	1	1	1	-1	-1	-1	1
5	1.159E+00	1.725E+00	1.014E+00	1.496E+00	1.241E+00	2.089E+00	1.512E+00	2.173E+00	1.859E+00	1.789E+00	1.753E+00	2.292E+00	1.780E+00
6	4.785E-01	7.178E-01	2.446E-01	7.460E-01	5.224E-01	1.008E+00	5.816E-01	1.032E+00	1.028E+00	1.064E+00	3.230E-01	8.926E-01	8.889E-01
7	1.373E-01	1.899E-01	9.979E-02	2.296E-01	1.427E-01	2.135E-01	1.609E-01	3.197E-01	2.468E-01	2.736E-01	1.159E-01	3.358E-01	2.017E-01
8	7.715E-01	1.373E+00	6.309E-01	7.407E-01	7.194E-01	1.090E+00	5.837E-01	1.060E+00	1.357E+00	8.640E-01	1.900E+00	1.106E+00	1.365E+00
9	3.777E-02	4.378E-02	3.723E-02	2.210E-02	2.307E-02	3.755E-02	2.371E-02	3.734E-02	4.324E-02	3.498E-02	2.779E-02	3.959E-02	2.650E-02
10	8.530E-03	7.961E-03	6.760E-03	2.006E-02	1.127E-02	1.406E-02	1.137E-02	2.049E-02	1.781E-02	1.363E-02	7.135E-03	2.006E-02	1.985E-02
11	7.307E-03	1.459E-02	1.695E-03	1.384E-02	1.084E-02	1.234E-02	6.470E-03	1.770E-02	1.867E-02	2.049E-02	8.723E-03	1.384E-02	1.513E-02
12	1.341E-02	1.191E-02	1.014E-02	8.584E-03	9.485E-03	9.528E-03	5.397E-03	1.094E-02	1.025E-02	1.000E-02	7.929E-03	5.783E-03	7.092E-03
13	9.742E-03	2.124E-02	8.455E-03	1.223E-02	8.584E-03	1.288E-02	7.554E-03	1.047E-02	1.781E-02	1.094E-02	3.326E-02	6.674E-03	9.453E-03
14	2.189E-02	2.918E-02	2.876E-02	5.429E-02	3.616E-02	6.052E-02	4.260E-02	7.468E-02	3.745E-02	7.457E-02	3.090E-02	5.429E-02	6.760E-02
15	6.094E-03	1.061E-02	8.455E-03	8.991E-03	3.616E-03	5.612E-03	2.157E-03	3.637E-03	5.794E-03	8.637E-03	6.341E-03	6.223E-03	6.148E-03
16	0.000E+00	0.000E+00	0.000E+00	8.176E-04	4.517E-04	1.127E-03	5.397E-04	1.363E-03	4.453E-04	0.000E+00	1.588E-03	1.330E-03	9.453E-04
17	3.659E-03	1.330E-03	6.760E-03	2.446E-03	2.264E-03	3.369E-03	1.620E-03	2.275E-03	6.234E-03	2.725E-03	3.959E-03	3.112E-03	3.305E-03
18	9.742E-03	2.253E-02	3.884E-02	2.285E-02	1.674E-02	3.981E-02	2.639E-02	2.135E-02	3.122E-02	1.813E-02	3.326E-02	2.532E-02	1.513E-02
19	3.659E-02	9.421E-02	6.760E-02	7.843E-02	4.657E-02	9.367E-02	7.500E-02	1.094E-01	8.283E-02	8.315E-02	6.738E-02	1.180E-01	8.745E-02
20	1.223E-03	0.000E+00	0.000E+00	2.446E-03	3.616E-03	2.800E-03	1.620E-03	1.363E-03	8.906E-04	9.088E-04	1.588E-03	4.453E-04	2.833E-03
21	6.094E-03	1.985E-02	5.075E-03	1.180E-02	7.682E-03	1.792E-02	1.245E-02	2.006E-02	2.178E-02	1.277E-02	7.929E-03	1.867E-02	1.416E-02
22	3.659E-03	1.330E-03	1.695E-03	0.000E+00	1.352E-03	5.612E-04	2.157E-03	9.109E-04	2.232E-03	1.813E-03	2.382E-03	1.781E-03	1.416E-03
23	1.459E-02	2.393E-02	3.380E-02	3.884E-02	2.940E-02	5.547E-02	3.777E-02	4.775E-02	4.678E-02	3.273E-02	3.015E-02	3.734E-02	3.165E-02
24	3.777E-02	3.455E-02	2.028E-02	4.614E-02	4.700E-02	6.223E-02	7.124E-02	7.371E-02	6.642E-02	8.090E-02	6.663E-02	6.631E-02	4.399E-02
25	7.307E-03	2.124E-02	8.455E-03	1.148E-02	1.856E-02	2.693E-02	1.025E-02	2.135E-02	1.867E-02	2.135E-02	6.341E-03	2.672E-02	1.845E-02
26	1.459E-02	2.650E-03	1.695E-02	1.180E-02	2.264E-03	2.071E-02	1.352E-02	1.770E-02	1.867E-02	2.403E-02	1.427E-02	1.330E-02	1.373E-02
27	1.223E-03	2.650E-03	8.455E-03	3.273E-03	9.034E-04	3.369E-03	4.313E-03	3.637E-03	6.685E-03	3.187E-03	4.753E-03	8.004E-03	4.260E-03
28	1.588E-02	1.856E-02	1.695E-02	2.167E-02	2.800E-02	2.918E-02	3.133E-02	3.090E-02	3.959E-02	3.358E-02	2.532E-02	3.873E-02	1.985E-02
29	2.554E-02	2.650E-02	2.028E-02	4.131E-02	4.335E-02	4.206E-02	3.026E-02	4.464E-02	2.983E-02	5.043E-02	2.779E-02	4.624E-02	3.788E-02
30	5.118E-02	5.043E-02	2.371E-02	6.127E-02	4.882E-02	5.998E-02	5.933E-02	7.918E-02	6.009E-02	6.631E-02	4.592E-02	7.028E-02	5.107E-02
31	2.918E-02	1.985E-02	3.047E-02	5.676E-02	4.206E-02	4.260E-02	4.421E-02	3.691E-02	2.543E-02	4.549E-02	4.914E-02	4.399E-02	3.122E-02
32	1.706E-02	3.187E-02	6.760E-03	2.575E-02	2.393E-02	5.612E-02	2.639E-02	4.689E-02	6.009E-02	2.865E-02	8.165E-02	3.251E-02	5.912E-02
33	6.094E-03	3.981E-03	3.380E-03	6.127E-03	7.232E-03	1.180E-02	1.084E-02	1.001E-02	7.575E-03	8.637E-03	8.723E-03	8.455E-03	1.084E-02
34	1.024E-01	2.221E-01	1.674E-01	1.792E-01	2.554E-01	2.908E-01	3.423E-01	2.210E-01	2.543E-01	2.028E-01	3.841E-01	2.189E-01	2.039E-01
35	5.730E-02	5.172E-02	4.903E-02	7.682E-02	5.418E-02	7.124E-02	5.182E-02	8.648E-02	5.258E-02	7.500E-02	6.577E-02	6.674E-02	7.135E-02
36	2.436E-03	5.311E-03	0.000E+00	8.991E-03	2.715E-03	6.727E-03	7.554E-03	6.373E-03	8.906E-03	7.275E-03	8.723E-03	4.453E-03	5.676E-03
37	2.800E-02	2.393E-02	1.695E-03	1.803E-02	1.631E-02	1.288E-02	1.781E-02	1.685E-02	1.824E-02	1.363E-02	1.030E-02	1.781E-02	1.416E-02
38	9.742E-03	1.459E-02	6.760E-03	8.176E-03	1.491E-02	2.414E-02	1.459E-02	8.197E-03	9.796E-03	1.545E-02	1.502E-02	1.202E-02	1.040E-02
39	8.283E-02	7.564E-02	1.856E-02	1.406E-01	1.524E-01	9.195E-02	5.290E-02	8.562E-02	5.118E-02	1.212E-01	3.412E-02	1.352E-01	1.049E-01
40	8.895E-02	1.524E-01	1.234E-01	1.245E-01	1.481E-01	1.856E-01	1.352E-01	2.006E-01	1.609E-01	1.191E-01	1.695E-01	1.749E-01	1.277E-01
41	2.189E-02	2.124E-02	2.876E-02	1.180E-02	1.803E-02	2.296E-02	2.157E-02	1.867E-02	2.049E-02	1.631E-02	3.326E-02	1.953E-02	1.470E-02

	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW
42	0.000E+00	1.330E-03	1.695E-03	4.088E-04	9.034E-04	3.927E-03	5.397E-04	1.363E-03	2.232E-03	9.088E-04	1.588E-03	1.781E-03	1.888E-03
43	5.838E-03	1.273E-02	2.829E-03	4.604E-03	3.678E-03	5.787E-03	6.456E-03	6.558E-03	5.453E-03	6.198E-03	3.241E-03	7.047E-03	6.018E-03
44	1.114E-01	2.176E-01	1.893E-01	1.325E-01	1.357E-01	2.122E-01	2.165E-01	2.056E-01	1.677E-01	1.995E-01	1.916E-01	1.661E-01	1.651E-01
45	4.912E-02	8.487E-02	5.993E-02	7.716E-02	7.279E-02	1.088E-01	8.179E-02	8.513E-02	8.410E-02	1.006E-01	7.639E-02	7.279E-02	7.716E-02
46	8.256E-02	1.116E-01	4.861E-02	6.944E-02	6.739E-02	9.851E-02	6.970E-02	8.462E-02	8.436E-02	1.083E-01	1.201E-01	8.359E-02	9.002E-02
47	5.890E-02	1.384E-01	9.285E-02	9.310E-02	8.642E-02	1.283E-01	1.024E-01	9.722E-02	9.696E-02	1.327E-01	1.294E-01	1.073E-01	8.873E-02
48	1.052E-02	1.399E-02	9.722E-03	1.723E-02	1.116E-02	1.667E-02	8.410E-03	1.494E-02	9.490E-03	2.091E-02	1.008E-02	1.515E-02	1.780E-02
49	7.304E-03	5.401E-03	6.893E-03	8.410E-03	4.218E-03	6.867E-03	5.298E-03	6.996E-03	3.832E-03	9.799E-03	3.421E-03	4.912E-03	6.919E-03
50	2.045E-03	2.855E-03	4.064E-04	2.058E-03	2.701E-03	8.076E-04	1.551E-03	2.400E-03	3.215E-03	4.784E-03	2.091E-03	2.027E-03	3.061E-03
51	1.860E-01	2.427E-01	8.513E-02	2.459E-01	1.152E-01	9.851E-02	2.175E-01	1.733E-01	1.466E-01	1.674E-01	1.065E-01	2.094E-01	1.345E-01
52	3.806E-03	6.687E-03	0.000E+00	3.524E-03	1.517E-03	1.075E-03	2.726E-03	2.958E-03	3.421E-03	3.266E-03	2.649E-03	1.386E-03	2.598E-03
53	1.517E-02	3.524E-02	2.430E-02	3.292E-02	3.806E-02	3.832E-02	4.089E-02	2.958E-02	3.472E-02	2.906E-02	5.272E-02	3.163E-02	2.436E-02
54	4.109E+00	4.275E+00	3.327E+00	5.282E+00	6.619E+00	4.653E+00	5.538E+00	4.892E+00	5.463E+00	4.410E+00	5.019E+00	4.730E+00	4.960E+00
55	5.582E-01	5.579E-01	3.092E-01	5.981E-01	5.269E-01	4.748E-01	6.784E-01	7.498E-01	6.949E-01	6.615E-01	4.834E-01	6.968E-01	5.270E-01
56	1.322E-01	1.412E-01	1.281E-01	1.815E-01	2.230E-01	1.935E-01	2.195E-01	1.887E-01	2.195E-01	1.811E-01	1.453E-01	1.607E-01	1.926E-01
57	3.570E+00	3.533E+00	2.259E+00	3.766E+00	3.342E+00	2.799E+00	3.789E+00	3.999E+00	3.443E+00	3.505E+00	3.148E+00	3.917E+00	2.948E+00
58	4.604E-02	4.732E-02	2.513E-02	3.729E-02	3.009E-02	3.318E-02	3.061E-02	3.215E-02	3.781E-02	3.369E-02	5.658E-02	3.549E-02	2.778E-02
59	4.578E-02	5.401E-02	3.318E-02	6.867E-02	5.144E-02	5.401E-02	6.944E-02	7.639E-02	5.864E-02	6.841E-02	4.552E-02	7.819E-02	5.787E-02
60	9.336E-03	1.368E-02	1.744E-02	1.577E-02	1.906E-02	1.721E-02	1.901E-02	2.009E-02	1.623E-02	1.754E-02	2.598E-02	1.929E-02	1.201E-02
61	1.196E+00	8.645E-01	6.261E-01	1.622E+00	1.109E+00	1.357E+00	1.212E+00	1.390E+00	1.122E+00	1.646E+00	9.713E-01	1.427E+00	2.408E+00
62	4.476E-01	6.256E-01	3.874E-01	3.949E-01	5.496E-01	4.722E-01	4.548E-01	4.654E-01	5.404E-01	4.069E-01	3.424E-01	4.649E-01	4.135E-01
63	7.587E-03	6.996E-03	3.652E-03	1.253E-02	1.083E-02	1.317E-02	8.282E-03	8.076E-03	1.152E-02	1.263E-02	1.235E-02	9.593E-03	1.893E-02
64	2.368E+00	2.702E+00	1.543E+00	3.189E+00	4.189E+00	3.805E+00	3.582E+00	3.422E+00	3.723E+00	3.301E+00	2.990E+00	3.428E+00	3.418E+00
65	9.156E-02	1.147E-01	6.404E-02	1.119E-01	1.542E-01	1.451E-01	1.235E-01	1.134E-01	1.345E-01	1.178E-01	1.283E-01	1.121E-01	1.240E-01
66	7.159E-01	7.824E-01	3.874E-01	7.749E-01	6.467E-01	5.513E-01	6.391E-01	6.753E-01	6.477E-01	6.234E-01	5.852E-01	8.856E-01	5.157E-01
67	5.170E-02	5.067E-02	2.392E-02	5.195E-02	4.552E-02	4.990E-02	3.652E-02	4.449E-02	4.630E-02	5.041E-02	6.507E-02	5.607E-02	4.269E-02
68	3.524E-02	8.333E-02	7.304E-02	6.764E-02	1.067E-01	1.129E-01	1.238E-01	8.102E-02	8.333E-02	7.896E-02	1.345E-01	8.436E-02	6.276E-02
69	5.676E-01	4.650E-01	3.226E-01	8.369E-01	5.709E-01	7.785E-01	4.949E-01	6.494E-01	4.836E-01	9.741E-01	5.018E-01	7.596E-01	1.137E+00
70	2.881E-02	2.803E-02	1.499E-02	3.112E-02	2.803E-02	3.652E-02	2.932E-02	3.086E-02	2.382E-02	3.575E-02	2.855E-02	2.932E-02	3.909E-02
71	4.964E-03	9.233E-03	8.513E-03	7.150E-03	4.887E-03	6.327E-03	6.070E-03	8.950E-03	3.524E-03	1.003E-02	2.855E-03	5.221E-03	8.385E-03
72	1.461E-03	7.639E-03	1.217E-03	2.546E-03	1.842E-03	2.958E-03	1.939E-03	3.601E-03	3.215E-03	4.475E-03	3.241E-03	2.778E-03	3.292E-03
73	0.000E+00	1.400E-03	0.000E+00	1.716E-03	1.422E-03	5.903E-04	2.833E-03	0.000E+00	9.368E-04	0.000E+00	3.330E-03	4.684E-04	0.000E+00
74	6.411E-03	2.788E-03	7.111E-03	1.716E-03	1.896E-03	2.359E-03	3.973E-03	1.919E-03	3.284E-03	3.826E-03	4.165E-03	3.273E-03	3.476E-03
75	4.233E-02	3.634E-02	4.447E-02	4.639E-02	4.323E-02	5.011E-02	5.451E-02	4.977E-02	2.810E-02	5.158E-02	3.589E-02	3.093E-02	3.330E-02
76	5.000E-02	4.187E-02	5.508E-02	6.106E-02	7.325E-02	6.783E-02	9.312E-02	5.124E-02	3.138E-02	4.594E-02	6.749E-02	4.357E-02	5.576E-02
77	1.287E-03	4.187E-03	1.783E-03	8.600E-03	3.804E-03	1.772E-03	2.833E-03	1.006E-02	5.621E-03	6.693E-03	8.341E-04	7.020E-03	6.467E-03
78	0.000E+00	0.000E+00	1.783E-03	8.600E-04	9.503E-04	5.903E-04	5.677E-04	0.000E+00	0.000E+00	4.786E-04	8.341E-04	1.874E-03	0.000E+00
79	1.287E-03	2.788E-03	1.603E-02	4.300E-04	4.752E-04	1.772E-03	1.704E-03	4.786E-04	4.684E-04	0.000E+00	2.506E-03	4.684E-04	0.000E+00
80	2.562E-03	0.000E+00	1.783E-03	4.300E-04	9.503E-04	5.903E-04	1.704E-03	9.582E-04	4.684E-04	2.393E-03	1.670E-03	1.874E-03	4.977E-04
81	1.151E-02	0.000E+00	3.736E-02	3.871E-03	7.133E-03	2.946E-03	1.078E-02	6.704E-03	4.684E-03	3.352E-03	1.580E-02	5.147E-03	4.977E-03
82	0.000E+00	0.000E+00	1.422E-02	2.144E-03	1.896E-03	2.359E-03	1.704E-03	2.393E-03	1.411E-03	1.907E-03	2.506E-03	1.400E-03	1.986E-03

	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW
83	2.562E-03	2.788E-03	3.555E-03	1.287E-03	2.856E-03	4.131E-03	1.704E-03	9.582E-04	0.000E+00	2.393E-03	2.506E-03	3.273E-03	4.977E-04
84	1.025E-02	8.375E-03	5.339E-03	4.729E-03	8.555E-03	6.490E-03	1.309E-02	8.138E-03	6.558E-03	3.826E-03	1.580E-02	7.020E-03	5.474E-03
85	2.562E-03	1.400E-03	3.555E-03	8.600E-04	2.856E-03	1.185E-03	1.704E-03	1.433E-03	0.000E+00	4.300E-03	2.506E-03	1.400E-03	9.944E-04
86	1.025E-02	4.187E-03	7.111E-03	6.874E-03	7.607E-03	8.262E-03	9.650E-03	4.312E-03	4.221E-03	6.693E-03	9.176E-03	4.684E-03	5.474E-03
87	2.054E-02	8.375E-03	8.894E-03	2.359E-02	3.093E-02	2.709E-02	4.086E-02	1.433E-02	1.174E-02	2.009E-02	2.088E-02	1.309E-02	8.454E-03
88	3.849E-03	1.400E-03	1.783E-03	3.442E-03	6.659E-03	2.946E-03	5.677E-03	4.786E-04	5.621E-03	2.867E-03	7.506E-03	1.400E-03	3.476E-03
89	2.562E-03	2.788E-03	7.111E-03	1.242E-02	1.479E-02	7.664E-03	1.422E-02	1.102E-02	3.747E-03	9.086E-03	1.163E-02	1.123E-02	5.474E-03
90	3.465E-02	2.235E-02	1.242E-02	3.442E-02	2.325E-02	1.941E-02	2.494E-02	2.585E-02	1.591E-02	2.483E-02	1.163E-02	1.400E-02	1.490E-02
91	5.124E-03	1.400E-03	1.783E-03	5.158E-03	9.503E-03	4.718E-03	5.113E-03	6.704E-03	2.348E-03	6.219E-03	4.165E-03	2.336E-03	1.490E-03
92	1.151E-02	1.116E-02	5.339E-03	8.600E-03	1.524E-02	5.903E-03	1.422E-02	6.704E-03	4.221E-03	9.086E-03	1.084E-02	6.546E-03	5.474E-03
93	8.973E-03	1.400E-03	1.067E-02	7.731E-03	7.133E-03	2.946E-03	9.650E-03	1.433E-03	4.684E-04	7.167E-03	3.330E-03	2.810E-03	5.474E-03
94	1.287E-03	0.000E+00	1.783E-03	8.600E-04	1.422E-03	2.359E-03	2.833E-03	4.786E-04	0.000E+00	2.393E-03	2.506E-03	3.273E-03	1.490E-03
95	5.124E-03	2.788E-03	8.894E-03	9.029E-03	4.278E-03	7.077E-03	8.510E-03	4.786E-03	1.874E-03	9.086E-03	2.506E-03	1.219E-02	5.971E-03
96	3.849E-03	9.774E-03	3.555E-03	4.300E-03	3.804E-03	7.664E-03	7.946E-03	6.704E-03	1.411E-03	7.167E-03	7.506E-03	4.210E-03	2.483E-03
97	8.973E-03	5.587E-03	3.555E-03	1.287E-03	3.804E-03	4.131E-03	7.381E-03	1.919E-03	1.874E-03	2.867E-03	1.670E-03	1.874E-03	4.481E-03
98	1.287E-02	1.400E-03	7.111E-03	8.160E-03	6.174E-03	1.121E-02	1.021E-02	6.230E-03	2.810E-03	5.260E-03	2.088E-02	4.684E-03	4.977E-03
99	1.337E-01	1.324E-01	5.028E-02	1.111E-01	8.412E-02	1.471E-01	5.739E-02	1.275E-01	7.946E-02	7.370E-02	8.694E-02	9.552E-02	9.405E-02
100	2.367E-02	4.096E-02	1.937E-02	2.293E-02	2.269E-02	3.458E-02	2.649E-02	2.918E-02	2.747E-02	2.551E-02	4.353E-02	2.293E-02	2.759E-02
101	1.100E-01	1.213E-01	1.251E-01	1.324E-01	1.570E-01	1.827E-01	1.704E-01	1.545E-01	1.239E-01	1.226E-01	1.790E-01	1.435E-01	1.496E-01
102	4.132E-01	5.101E-01	3.458E-01	4.684E-01	4.427E-01	5.285E-01	5.346E-01	3.887E-01	4.145E-01	3.409E-01	8.890E-01	4.071E-01	4.059E-01
103	1.349E-01	1.213E-01	1.643E-01	1.704E-01	1.729E-01	2.293E-01	2.072E-01	2.023E-01	1.386E-01	1.680E-01	1.937E-01	1.729E-01	1.974E-01
104	1.447E-01	2.170E-01	2.011E-01	1.864E-01	1.950E-01	2.318E-01	2.109E-01	1.643E-01	2.011E-01	1.901E-01	3.433E-01	1.925E-01	1.815E-01
105	5.113E-01	4.979E-01	7.762E-01	6.180E-01	7.039E-01	7.983E-01	9.834E-01	6.426E-01	6.560E-01	5.469E-01	1.135E+00	5.739E-01	6.009E-01
106	1.030E-01	1.680E-01	7.345E-02	1.496E-01	1.095E-01	1.582E-01	1.202E-01	1.619E-01	1.521E-01	1.766E-01	1.545E-01	1.570E-01	1.337E-01
107	8.486E-02	1.153E-01	6.376E-02	1.018E-01	8.473E-02	1.410E-01	1.091E-01	1.093E-01	1.216E-01	9.920E-02	1.790E-01	1.109E-01	1.102E-01
108	1.790E-01	1.183E-01	1.121E-01	1.521E-01	1.655E-01	2.146E-01	1.790E-01	1.852E-01	1.471E-01	1.631E-01	1.521E-01	1.987E-01	1.876E-01
109	2.784E-03	4.549E-03	3.863E-03	7.002E-03	5.677E-03	1.154E-02	1.300E-02	7.799E-03	7.124E-03	6.229E-03	1.361E-02	3.556E-03	2.158E-03
110	2.367E-02	2.269E-02	7.725E-03	3.826E-02	3.102E-02	2.685E-02	4.500E-02	5.359E-02	3.924E-02	2.747E-02	2.440E-02	4.476E-02	3.617E-02
111	1.251E-02	9.099E-03	1.349E-02	1.962E-02	2.894E-02	2.440E-02	3.458E-02	3.066E-02	3.102E-02	2.023E-02	1.545E-02	3.458E-02	1.680E-02
112	1.668E-02	6.070E-03	3.863E-03	1.214E-02	2.170E-02	1.668E-02	1.852E-02	1.557E-02	1.582E-02	9.871E-03	1.086E-02	1.680E-02	1.410E-02
113	4.181E-03	1.521E-03	5.800E-03	3.274E-03	2.587E-03	5.126E-03	4.929E-03	5.199E-03	9.160E-03	3.115E-03	9.062E-03	6.094E-03	3.777E-03
114	5.567E-03	4.549E-03	1.937E-03	4.672E-03	3.617E-03	1.089E-02	6.168E-03	1.144E-02	5.089E-03	5.714E-03	9.969E-03	3.053E-03	5.408E-03
115	1.950E-02	4.549E-03	1.937E-03	9.344E-03	1.239E-02	9.614E-03	1.048E-02	1.093E-02	8.657E-03	8.314E-03	3.617E-03	1.324E-02	7.026E-03
116	4.181E-03	0.000E+00	9.663E-03	3.740E-03	3.102E-03	7.689E-03	1.171E-02	4.684E-03	4.586E-03	2.072E-03	6.340E-03	4.574E-03	5.408E-03
117	8.351E-03	1.521E-03	3.863E-03	1.263E-02	4.132E-03	1.410E-02	8.633E-03	1.093E-02	9.675E-03	7.272E-03	1.631E-02	1.067E-02	9.185E-03
118	2.784E-03	6.070E-03	0.000E+00	1.398E-03	3.102E-03	7.051E-03	4.316E-03	1.093E-02	6.107E-03	4.157E-03	4.525E-03	6.609E-03	2.698E-03
119	6.965E-03	3.029E-03	1.937E-03	1.074E-02	4.647E-03	8.976E-03	8.020E-03	1.197E-02	9.160E-03	9.344E-03	2.722E-03	1.118E-02	1.619E-03
120	4.181E-03	6.070E-03	3.863E-03	8.400E-03	7.235E-03	5.763E-03	8.020E-03	8.326E-03	9.675E-03	8.314E-03	5.432E-03	8.645E-03	5.947E-03
121	2.093E-01	1.327E-01	9.706E-02	1.460E-02	3.232E-02	2.805E-02	2.698E-02	6.509E-03	3.188E-03	2.930E-02	3.972E-02	3.179E-03	2.369E-02
122	3.918E-01	5.031E-01	1.932E-01	1.692E-01	9.083E-02	1.362E-01	1.505E-01	1.532E-01	2.199E-01	9.083E-02	1.131E-01	1.621E-01	1.184E-01
123	4.951E+00	2.850E+00	5.423E+00	2.484E+00	2.262E+00	3.544E+00	2.173E+00	2.253E+00	2.413E+00	2.093E+00	4.987E+00	2.413E+00	2.271E+00

	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW
124	1.042E-01	4.746E-02	4.835E-02	3.802E-02	2.262E-02	4.817E-02	2.315E-02	9.795E-03	4.461E-02	2.930E-02	3.972E-02	2.867E-02	2.030E-02
125	9.617E-02	4.746E-02	4.835E-02	3.508E-02	3.553E-02	4.817E-02	2.315E-02	6.509E-03	3.508E-02	1.300E-02	4.533E-02	5.093E-02	3.045E-02
126	1.603E+00	1.327E+00	7.988E-01	1.077E+00	8.887E-01	8.308E-01	7.293E-01	8.566E-01	1.051E+00	6.928E-01	4.933E-01	9.617E-01	7.507E-01
127	4.274E+00	2.484E+00	2.324E+00	1.674E+00	2.057E+00	1.959E+00	1.906E+00	1.781E+00	2.413E+00	1.861E+00	1.505E+00	1.959E+00	1.790E+00
128	3.713E+00	2.093E+00	4.479E+00	1.621E+00	2.271E+00	2.342E+00	1.968E+00	1.647E+00	2.075E+00	1.995E+00	3.473E+00	1.941E+00	2.182E+00
129	6.972E-02	1.897E-01	1.451E-01	8.771E-03	2.262E-02	4.817E-02	3.473E-02	2.609E-02	1.273E-02	3.900E-02	6.242E-02	1.273E-02	4.737E-02
130	2.949E+01	1.332E+01	5.966E+00	1.727E+01	1.190E+01	1.108E+01	5.211E+00	8.898E+00	5.307E+00	9.846E+00	4.684E+00	1.125E+01	1.485E+01
131	1.881E+01	9.018E+00	6.340E+00	1.359E+01	7.313E+00	5.913E+00	4.088E+00	7.572E+00	2.947E+00	1.026E+01	3.606E+00	8.840E+00	1.106E+01
132	1.131E-01	8.540E-02	2.778E-01	4.096E-02	5.174E-02	8.023E-02	3.473E-02	5.209E-02	3.820E-02	5.530E-02	1.754E-01	2.226E-02	2.030E-02
133	2.618E-02	4.746E-02	1.327E-01	8.771E-03	3.882E-02	1.202E-02	4.630E-02	1.950E-02	9.528E-03	1.950E-02	7.373E-02	1.594E-02	1.015E-02
134	2.618E-02	1.897E-02	4.835E-02	1.167E-02	9.706E-03	2.004E-02	7.720E-03	3.259E-03	2.547E-02	1.630E-02	4.533E-02	2.226E-02	6.768E-03
135	4.354E-02	4.746E-02	1.692E-01	5.841E-03	1.291E-02	5.218E-02	3.856E-02	1.630E-02	1.273E-02	6.500E-03	5.672E-02	1.273E-02	6.768E-03
136	4.354E-02	4.746E-02	7.257E-02	0.000E+00	3.553E-02	2.404E-02	7.720E-03	1.950E-02	1.915E-02	1.300E-02	2.832E-02	6.367E-03	2.369E-02
137	1.042E-01	7.596E-02	2.538E-01	2.342E-02	6.465E-02	5.619E-02	6.180E-02	3.909E-02	4.141E-02	3.900E-02	1.986E-01	2.867E-02	3.384E-02
138	1.131E-01	1.140E-01	1.817E-01	2.627E-02	1.291E-02	2.404E-02	2.698E-02	2.609E-02	1.915E-02	1.950E-02	2.271E-02	1.906E-02	3.045E-02
139	5.316E-01	3.704E-01	6.411E-01	2.716E-01	3.268E-01	2.529E-01	2.511E-01	1.923E-01	3.793E-01	1.852E-01	2.440E-01	1.496E-01	2.369E-01
140	3.054E-01	1.995E-01	3.749E-01	1.024E-01	1.264E-01	1.362E-01	1.354E-01	1.594E-01	2.582E-01	1.888E-01	2.208E-01	6.999E-02	1.282E-01
141	7.845E-02	1.042E-01	9.706E-02	2.342E-02	4.203E-02	2.004E-02	4.248E-02	4.559E-02	1.273E-02	4.550E-02	1.532E-01	3.500E-02	6.091E-02
142	2.618E-02	2.850E-02	7.257E-02	2.921E-03	0.000E+00	2.004E-02	3.856E-03	3.259E-03	1.594E-02	3.250E-03	4.533E-02	3.179E-03	2.707E-02
143	2.618E-02	4.746E-02	4.835E-02	5.841E-03	3.232E-02	1.202E-02	2.698E-02	6.509E-03	9.528E-03	1.950E-02	1.701E-02	9.528E-03	3.384E-03
144	1.220E-01	1.140E-01	6.046E-02	2.342E-02	3.232E-02	3.206E-02	4.248E-02	9.795E-03	2.547E-02	9.795E-03	5.102E-02	1.906E-02	3.384E-02
145	6.972E-02	7.596E-02	1.086E-01	3.508E-02	3.232E-02	2.004E-02	1.932E-02	1.300E-02	3.508E-02	2.280E-02	3.402E-02	6.367E-03	2.030E-02
146	3.660E-01	2.182E-01	4.114E-01	2.458E-01	1.585E-01	2.289E-01	1.968E-01	1.763E-01	2.547E-01	2.734E-01	2.102E-01	1.817E-01	2.467E-01
147	2.093E-01	1.995E-01	2.057E-01	1.345E-01	1.879E-01	1.808E-01	1.888E-01	1.140E-01	2.992E-01	1.532E-01	1.300E-01	8.905E-02	1.763E-01
148	9.172E-01	3.321E-01	1.051E+00	4.301E-01	7.827E-01	4.817E-01	6.064E-01	4.007E-01	9.261E-01	5.102E-01	4.764E-01	3.090E-01	4.737E-01
149	3.660E-01	7.596E-02	2.422E-01	1.051E-01	1.291E-01	1.086E-01	1.273E-01	5.209E-02	1.149E-01	1.264E-01	1.300E-01	7.952E-02	7.783E-02
150	4.354E-02	7.596E-02	2.057E-01	8.771E-03	2.262E-02	2.404E-02	3.090E-02	1.300E-02	9.528E-03	2.280E-02	3.402E-02	1.594E-02	3.384E-03
151	7.845E-02	8.540E-02	7.257E-02	8.771E-03	6.465E-03	8.023E-03	2.315E-02	9.795E-03	1.915E-02	2.280E-02	2.271E-02	1.594E-02	1.354E-02
152	7.845E-02	4.746E-02	7.257E-02	3.215E-02	5.815E-02	4.007E-02	2.698E-02	1.630E-02	1.594E-02	2.280E-02	5.102E-02	3.500E-02	5.414E-02
153	3.482E-02	5.699E-02	7.257E-02	2.342E-02	2.582E-02	4.007E-02	1.932E-02	1.630E-02	1.594E-02	2.930E-02	2.271E-02	2.547E-02	3.384E-02
154	2.618E-02	2.850E-02	8.468E-02	5.841E-03	1.941E-02	2.805E-02	3.856E-03	2.280E-02	1.915E-02	6.500E-03	2.271E-02	9.528E-03	3.384E-03
155	6.972E-02	2.850E-02	2.057E-01	5.841E-03	1.291E-02	8.023E-03	2.698E-02	2.280E-02	1.273E-02	2.600E-02	1.131E-02	1.594E-02	1.354E-02
156	5.574E-01	3.704E-01	1.113E+00	6.046E-01	3.366E-01	3.972E-01	2.280E-01	3.678E-01	2.769E-01	6.892E-01	3.856E-01	2.956E-01	6.126E-01
157	3.402E-01	1.140E-01	6.287E-01	1.728E-01	1.389E-01	1.167E-01	1.158E-01	1.888E-01	2.645E-01	2.832E-01	1.362E-01	1.719E-01	1.728E-01
158	6.189E-01	2.565E-01	8.468E-01	4.586E-01	4.524E-01	4.372E-01	2.974E-01	3.482E-01	4.114E-01	5.752E-01	3.740E-01	3.152E-01	6.465E-01
159	2.093E-01	1.710E-01	3.143E-01	8.477E-02	1.291E-01	1.968E-01	1.425E-01	8.798E-02	2.743E-01	2.012E-01	1.478E-01	9.884E-02	1.558E-01
160	6.972E-02	4.746E-02	1.086E-01	3.215E-02	3.553E-02	2.004E-02	1.541E-02	2.280E-02	1.594E-02	2.280E-02	5.102E-02	4.452E-02	5.414E-02
161	1.398E-01	9.528E-03	2.903E-01	2.342E-02	8.406E-02	3.206E-02	5.405E-02	3.580E-02	4.461E-02	6.500E-03	6.242E-02	4.141E-02	2.030E-02
162	1.398E-01	2.850E-02	8.468E-02	1.754E-02	3.553E-02	2.805E-02	3.856E-02	1.950E-02	2.547E-02	4.550E-02	5.102E-02	1.273E-02	2.030E-02
163	3.482E-02	3.793E-02	9.706E-02	2.342E-02	1.621E-02	5.218E-02	1.932E-02	2.280E-02	0.000E+00	1.630E-02	5.672E-02	2.867E-02	2.369E-02
164	8.718E-03	1.897E-02	3.633E-02	1.167E-02	3.553E-02	2.004E-02	1.541E-02	2.280E-02	9.528E-03	9.795E-03	6.242E-02	2.867E-02	1.354E-02

	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW
165	2.618E-02	5.699E-02	9.706E-02	2.921E-02	2.912E-02	4.007E-02	1.158E-02	1.300E-02	6.376E-03	5.530E-02	6.803E-02	1.594E-02	1.692E-02
166	1.220E-01	5.699E-02	1.327E-01	4.675E-02	4.524E-02	3.606E-02	3.090E-02	7.168E-02	1.594E-02	4.550E-02	6.803E-02	4.452E-02	3.722E-02
167	3.571E-01	1.897E-01	5.681E-01	3.446E-01	2.039E-01	1.443E-01	1.425E-01	2.021E-01	1.175E-01	3.152E-01	2.556E-01	2.351E-01	4.604E-01
168	2.698E-01	1.523E-01	3.508E-01	1.371E-01	1.167E-01	1.327E-01	1.238E-01	7.818E-02	1.434E-01	1.496E-01	2.155E-01	1.113E-01	1.621E-01
169	8.718E-02	9.528E-02	1.817E-01	5.263E-02	7.435E-02	6.821E-02	4.630E-02	5.209E-02	6.696E-02	8.130E-02	1.077E-01	6.046E-02	5.752E-02
170	7.845E-02	9.528E-03	6.046E-02	1.754E-02	6.144E-02	4.817E-02	1.158E-02	4.230E-02	2.867E-02	6.500E-03	1.416E-01	6.046E-02	1.015E-02
171	3.482E-02	2.850E-02	7.257E-02	1.460E-02	6.144E-02	4.817E-02	6.180E-02	5.209E-02	3.820E-02	1.300E-02	6.803E-02	4.452E-02	2.707E-02
172	1.300E-01	1.790E-01	1.729E-01	1.324E-01	4.942E-02	7.075E-02	1.218E-01	8.473E-02	1.106E-01	1.251E-01	8.351E-02	1.039E-01	1.251E-01
173	3.056E+00	3.330E+00	5.030E+00	1.934E+00	1.720E+00	2.759E+00	2.379E+00	2.007E+00	2.351E+00	2.123E+00	2.742E+00	2.026E+00	1.956E+00
174	4.076E+00	4.639E+00	9.291E+00	3.093E+00	2.652E+00	4.457E+00	3.774E+00	3.211E+00	3.896E+00	3.905E+00	4.592E+00	3.150E+00	3.370E+00
175	1.324E+00	1.594E+00	2.006E+00	9.157E-01	7.653E-01	1.314E+00	1.171E+00	1.036E+00	1.241E+00	9.743E-01	1.026E+00	9.855E-01	9.447E-01
176	3.487E+00	3.292E+00	5.987E+00	1.905E+00	2.239E+00	3.654E+00	2.460E+00	2.544E+00	2.457E+00	3.100E+00	3.484E+00	2.699E+00	2.334E+00
177	1.499E+00	1.769E+00	1.366E+00	1.408E+00	6.233E-01	1.162E+00	6.352E-01	1.405E+00	1.176E+00	2.316E+00	8.890E-01	1.532E+00	1.709E+00
178	3.630E-01	5.432E-01	2.428E-01	2.833E-01	1.533E-01	2.391E-01	1.717E-01	2.808E-01	4.304E-01	4.329E-01	1.263E-01	3.299E-01	2.575E-01
179	4.562E-02	8.240E-02	3.666E-02	3.544E-02	3.029E-02	3.372E-02	2.342E-02	3.765E-02	4.525E-02	6.315E-02	3.274E-02	4.255E-02	2.796E-02
180	3.004E-02	2.882E-02	5.996E-02	8.449E-03	2.452E-02	3.814E-02	2.281E-02	1.839E-02	2.195E-02	1.655E-02	3.752E-02	2.452E-02	1.118E-02
181	1.680E-02	2.354E-02	3.004E-02	9.258E-03	1.692E-02	1.987E-02	2.342E-02	2.060E-02	1.717E-02	8.510E-03	2.036E-02	1.275E-02	8.387E-03
182	1.876E-01	1.557E-01	2.587E-01	7.725E-02	6.634E-02	1.312E-01	9.884E-02	9.099E-02	9.344E-02	8.866E-02	2.195E-01	6.573E-02	7.124E-02
183	2.592E+00	2.268E+00	4.008E+00	1.336E+00	1.208E+00	1.602E+00	1.896E+00	1.263E+00	1.451E+00	1.088E+00	2.429E+00	1.113E+00	1.224E+00
184	2.497E+00	2.430E+00	4.051E+00	1.533E+00	1.186E+00	1.552E+00	1.639E+00	1.284E+00	1.489E+00	1.329E+00	2.760E+00	1.332E+00	1.313E+00
185	1.639E+00	1.586E+00	3.005E+00	9.603E-01	9.238E-01	1.241E+00	1.232E+00	9.028E-01	1.206E+00	8.785E-01	1.945E+00	8.518E-01	8.302E-01
186	3.113E+00	2.894E+00	7.089E+00	2.037E+00	2.267E+00	2.749E+00	2.600E+00	1.781E+00	2.565E+00	2.328E+00	4.108E+00	1.814E+00	2.073E+00
187	9.552E-01	8.302E-01	1.308E+00	5.481E-01	5.934E-01	6.597E-01	7.558E-01	5.383E-01	6.977E-01	5.138E-01	8.155E-01	4.942E-01	5.739E-01
188	8.755E-02	7.456E-02	1.239E-01	4.549E-02	5.346E-02	4.476E-02	5.788E-02	4.034E-02	5.530E-02	3.630E-02	7.112E-02	4.378E-02	5.310E-02
189	3.115E-02	3.004E-02	2.661E-02	1.373E-02	1.068E-02	7.186E-03	1.010E-02	1.435E-02	1.925E-02	1.570E-02	9.368E-03	1.275E-02	1.300E-02
190	2.784E-01	3.286E-01	4.316E-01	2.048E-01	2.011E-01	2.771E-01	2.060E-01	2.428E-01	2.085E-01	1.815E-01	2.502E-01	2.698E-01	1.288E-01
191	3.763E+00	3.243E+00	3.665E+00	2.654E+00	1.627E+00	2.151E+00	1.421E+00	2.771E+00	2.139E+00	4.014E+00	2.234E+00	2.663E+00	3.038E+00
192	1.110E+00	1.218E+00	8.510E-01	7.772E-01	5.383E-01	6.646E-01	4.868E-01	8.001E-01	9.430E-01	1.114E+00	5.224E-01	7.836E-01	7.860E-01
193	1.435E-01	1.668E-01	1.803E-01	8.412E-02	9.344E-02	7.186E-02	8.130E-02	6.683E-02	8.731E-02	1.047E-01	1.023E-01	9.160E-02	7.738E-02
194	1.080E-01	6.928E-02	6.242E-01	3.863E-02	1.188E-01	8.559E-02	1.447E-01	7.394E-02	5.359E-02	4.120E-02	1.839E-01	4.378E-02	4.476E-02
195	5.285E-02	4.574E-02	2.465E-01	2.502E-02	5.702E-02	3.200E-02	7.333E-02	3.053E-02	2.452E-02	1.570E-02	6.867E-02	2.011E-02	2.747E-02
196	2.342E-01	2.158E-01	2.465E-01	3.335E-01	1.937E-01	1.521E-01	1.074E-01	2.158E-01	1.053E-01	2.477E-01	1.288E-01	1.471E-01	2.183E-01
197	1.803E-01	1.410E-01	1.668E-01	1.435E-01	1.006E-01	9.663E-02	8.449E-02	1.349E-01	8.903E-02	2.330E-01	9.528E-02	1.226E-01	1.020E-01
198	1.263E-01	1.032E-01	1.166E-01	6.524E-02	6.058E-02	6.965E-02	5.371E-02	5.518E-02	5.886E-02	9.356E-02	7.885E-02	6.180E-02	4.893E-02
199	1.962E-01	1.312E-01	4.795E-01	2.293E-02	1.386E-01	1.839E-01	1.180E-01	1.050E-01	7.554E-02	2.869E-02	2.416E-01	1.008E-01	2.796E-02
200	9.601E-02	7.578E-02	2.379E-01	2.735E-02	8.817E-02	6.855E-02	7.124E-02	4.488E-02	4.831E-02	2.281E-02	1.117E-01	5.739E-02	2.980E-02
201	6.720E-02	4.709E-02	2.869E-01	2.538E-02	6.193E-02	4.476E-02	7.235E-02	2.869E-02	4.525E-02	2.906E-02	7.811E-02	3.458E-02	3.164E-02
202	1.557E-02	7.848E-03	3.495E-02	4.022E-03	7.124E-03	2.489E-02	7.971E-03	6.732E-03	3.948E-03	4.476E-04	2.109E-02	6.131E-03	2.796E-03
203	2.403E-03	1.312E-03	1.668E-03	8.044E-04	4.451E-04	1.105E-03	5.310E-04	8.964E-04	0.000E+00	0.000E+00	2.342E-03	1.754E-03	4.660E-04
204	1.200E-02	1.435E-02	5.996E-02	4.022E-03	8.007E-03	2.158E-02	1.275E-02	1.300E-02	7.897E-03	2.685E-03	3.200E-02	6.131E-03	3.262E-03
205	0.000E+00	5.224E-03	1.668E-03	1.606E-03	1.337E-03	1.655E-03	1.063E-03	8.964E-04	1.754E-03	4.476E-04	7.811E-04	2.195E-03	2.330E-03

	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW
206	2.158E-02	6.536E-03	6.658E-02	3.617E-03	8.007E-03	4.145E-02	2.710E-02	1.619E-02	6.143E-03	4.034E-03	3.752E-02	1.704E-02	6.524E-03
207	1.435E-02	7.848E-03	3.164E-02	4.831E-03	7.566E-03	5.518E-03	5.849E-03	4.929E-03	9.651E-03	3.139E-03	1.410E-02	4.819E-03	5.592E-03
208	0.000E+00	5.224E-03	9.994E-03	2.416E-03	5.346E-03	5.518E-03	3.716E-03	3.593E-03	3.507E-03	2.244E-03	3.127E-03	1.754E-03	4.194E-03
209	0.000E+00	0.000E+00	1.668E-03	4.022E-04	0.000E+00	1.105E-03	0.000E+00	1.349E-03	1.312E-03	0.000E+00	1.557E-03	4.378E-04	9.319E-04
210	0.000E+00	0.000E+00	1.668E-03	4.022E-04	1.337E-03	5.518E-04	5.310E-04	1.349E-03	0.000E+00	0.000E+00	7.811E-04	0.000E+00	1.398E-03
211	4.795E-03	5.224E-03	5.003E-03	4.022E-04	8.903E-04	1.105E-03	1.063E-03	1.790E-03	4.390E-04	4.476E-04	0.000E+00	4.378E-04	4.660E-04
212	1.200E-03	2.612E-03	1.668E-03	8.044E-04	1.337E-03	3.311E-03	6.376E-03	8.964E-04	5.261E-03	0.000E+00	4.684E-03	8.768E-04	2.330E-03
213	2.403E-03	7.848E-03	9.994E-03	1.606E-03	3.115E-03	4.414E-03	2.121E-03	1.790E-03	3.507E-03	3.139E-03	7.811E-03	4.378E-04	2.796E-03
214	4.795E-03	0.000E+00	9.994E-03	1.606E-03	2.232E-03	1.655E-03	2.121E-03	3.139E-03	4.390E-04	3.139E-03	7.026E-03	2.195E-03	4.660E-04
215	2.403E-03	1.312E-03	8.326E-03	0.000E+00	0.000E+00	5.518E-04	1.594E-03	2.244E-03	4.390E-04	4.476E-04	7.811E-04	1.754E-03	0.000E+00
216	1.200E-03	1.312E-03	1.668E-03	0.000E+00	0.000E+00	0.000E+00	1.594E-03	4.488E-04	2.195E-03	0.000E+00	7.811E-04	0.000E+00	9.319E-04
217	1.200E-03	1.312E-03	5.003E-03	1.208E-03	0.000E+00	0.000E+00	1.063E-03	4.488E-04	0.000E+00	8.952E-04	3.127E-03	1.754E-03	4.660E-04
218	2.827E+00	2.285E+00	3.768E+00	1.577E+00	1.420E+00	1.603E+00	1.778E+00	1.186E+00	1.447E+00	9.735E-01	2.571E+00	1.380E+00	1.462E+00
219	4.562E-02	3.532E-02	5.162E-02	2.219E-02	1.288E-02	1.827E-02	2.502E-02	1.754E-02	1.839E-02	1.386E-02	2.735E-02	1.582E-02	1.864E-02
220	2.083E+00	2.970E+00	1.434E+00	2.552E+00	1.294E+00	1.426E+00	2.442E+00	2.264E+00	2.227E+00	2.217E+00	9.506E-01	2.972E+00	1.636E+00
221	6.089E+01	6.097E+01	6.454E+01	5.386E+01	6.002E+01	6.426E+01	7.427E+01	6.414E+01	6.176E+01	5.365E+01	5.751E+01	7.189E+01	5.451E+01
222	4.490E+01	5.224E+01	4.343E+01	5.627E+01	6.137E+01	5.809E+01	5.945E+01	5.906E+01	7.252E+01	5.602E+01	3.189E+01	5.938E+01	5.837E+01
223	2.806E+01	3.264E+01	2.436E+01	3.118E+01	2.603E+01	2.634E+01	3.009E+01	3.633E+01	3.489E+01	3.262E+01	1.857E+01	4.010E+01	2.676E+01
224	2.138E+01	2.491E+01	2.669E+01	2.088E+01	2.430E+01	2.791E+01	2.446E+01	2.262E+01	2.237E+01	2.169E+01	2.245E+01	3.212E+01	2.094E+01
225	1.840E+01	1.363E+01	1.106E+01	2.305E+01	1.445E+01	1.763E+01	1.358E+01	1.800E+01	1.514E+01	2.390E+01	9.558E+00	2.328E+01	3.089E+01
226	6.894E+00	5.873E+00	4.220E+00	1.314E+01	6.339E+00	5.390E+00	4.650E+00	1.073E+01	2.852E+00	1.408E+01	2.291E+00	1.055E+01	1.182E+01
227	2.944E+00	2.611E+00	1.537E+00	4.103E+00	1.809E+00	1.944E+00	1.585E+00	3.577E+00	2.502E+00	5.990E+00	8.396E-01	4.060E+00	3.240E+00
228	5.673E-01	5.487E-01	5.256E-01	6.655E-01	3.690E-01	4.714E-01	4.967E-01	3.620E-01	2.188E-01	2.235E-01	3.898E-01	4.663E-01	2.353E-01
229	6.144E-01	6.029E-01	5.496E-01	7.061E-01	4.210E-01	4.698E-01	5.494E-01	4.231E-01	2.558E-01	2.619E-01	4.476E-01	4.801E-01	2.846E-01
230	2.592E+01	2.339E+01	3.201E+01	3.313E+01	2.886E+01	3.657E+01	2.760E+01	3.565E+01	2.633E+01	3.247E+01	3.549E+01	2.790E+01	3.268E+01
231	4.582E+00	4.819E+00	4.453E+00	5.630E+00	3.399E+00	4.609E+00	4.366E+00	4.683E+00	3.445E+00	4.537E+00	3.790E+00	4.523E+00	3.844E+00
232	1.589E+00	1.856E+00	2.127E+00	1.829E+00	1.429E+00	2.006E+00	1.687E+00	1.931E+00	1.360E+00	1.413E+00	1.881E+00	2.145E+00	1.637E+00
233	5.227E+00	5.808E+00	6.155E+00	5.805E+00	4.338E+00	5.765E+00	4.449E+00	5.767E+00	3.990E+00	4.246E+00	4.437E+00	5.863E+00	5.172E+00
234	1.987E+01	2.204E+01	2.006E+01	2.123E+01	1.382E+01	1.329E+01	1.847E+01	1.885E+01	1.391E+01	1.779E+01	1.668E+01	1.856E+01	1.546E+01
235	9.780E+00	9.951E+00	1.083E+01	1.033E+01	8.611E+00	9.608E+00	1.014E+01	1.017E+01	9.774E+00	1.265E+01	1.320E+01	9.379E+00	8.893E+00
236	7.548E-01	6.503E-01	9.087E-01	5.711E-01	9.154E-01	9.789E-01	8.250E-01	5.190E-01	4.189E-01	2.899E-01	7.310E-01	1.399E+00	4.450E-01
237	4.402E+00	5.915E+00	3.409E+00	4.713E+00	4.852E+00	5.262E+00	3.904E+00	4.824E+00	5.276E+00	3.836E+00	3.642E+00	6.200E+00	4.326E+00
238	5.406E+00	7.486E+00	5.762E+00	6.449E+00	4.874E+00	6.913E+00	5.683E+00	7.901E+00	7.619E+00	6.295E+00	7.430E+00	7.286E+00	5.717E+00
239	1.165E+00	1.441E+00	1.532E+00	1.267E+00	9.813E-01	1.412E+00	1.148E+00	1.451E+00	1.211E+00	1.209E+00	1.630E+00	1.544E+00	1.097E+00
240	1.352E+01	1.291E+01	2.453E+01	8.052E+00	2.255E+01	1.616E+01	2.343E+01	1.042E+01	1.498E+01	6.953E+00	2.411E+01	1.588E+01	5.482E+00
241	2.415E+02	2.566E+02	2.486E+02	2.056E+02	2.650E+02	2.141E+02	2.742E+02	2.184E+02	2.390E+02	2.063E+02	2.497E+02	1.931E+02	2.046E+02
242	1.814E+02	1.792E+02	1.494E+02	1.522E+02	1.382E+02	1.241E+02	1.637E+02	1.617E+02	1.633E+02	1.558E+02	1.627E+02	1.546E+02	1.325E+02
243	1.693E+01	1.669E+01	1.316E+01	1.519E+01	1.176E+01	1.131E+01	1.414E+01	1.538E+01	1.570E+01	1.623E+01	1.532E+01	1.600E+01	1.245E+01
244	1.217E+01	9.993E+00	5.313E+00	1.194E+01	1.172E+01	1.088E+01	6.553E+00	9.064E+00	8.218E+00	1.093E+01	6.145E+00	1.189E+01	1.307E+01
245	5.272E+00	6.308E+00	3.831E+00	5.454E+00	6.029E+00	5.648E+00	4.379E+00	4.951E+00	6.276E+00	4.361E+00	3.961E+00	6.223E+00	5.261E+00
246	5.642E+00	7.544E+00	8.012E+00	6.599E+00	6.668E+00	7.997E+00	7.076E+00	7.270E+00	7.003E+00	5.726E+00	8.956E+00	8.125E+00	6.076E+00

	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW
247	4.648E+00	5.040E+00	5.211E+00	4.798E+00	3.918E+00	4.942E+00	4.300E+00	5.065E+00	3.722E+00	4.054E+00	4.805E+00	5.824E+00	4.193E+00
248	8.426E+01	6.918E+01	5.292E+01	9.163E+01	6.443E+01	7.152E+01	6.795E+01	7.401E+01	7.636E+01	9.478E+01	6.621E+01	8.343E+01	1.144E+02
249	6.823E+01	7.943E+01	5.210E+01	7.148E+01	6.926E+01	6.513E+01	6.924E+01	6.728E+01	9.868E+01	6.857E+01	5.496E+01	7.329E+01	7.311E+01
250	1.307E+02	1.552E+02	1.283E+02	1.230E+02	1.480E+02	1.290E+02	1.291E+02	1.206E+02	1.460E+02	1.315E+02	1.414E+02	1.312E+02	1.227E+02
251	5.922E+01	5.829E+01	6.191E+01	4.787E+01	5.817E+01	5.073E+01	5.795E+01	4.635E+01	5.148E+01	4.581E+01	6.044E+01	5.566E+01	4.034E+01
252	4.303E+00	4.175E+00	4.333E+00	3.163E+00	3.987E+00	3.416E+00	3.795E+00	3.052E+00	3.062E+00	2.767E+00	3.965E+00	4.357E+00	2.522E+00
253	4.759E+00	3.918E+00	2.975E+00	5.048E+00	4.984E+00	4.038E+00	3.248E+00	3.812E+00	2.045E+00	4.518E+00	2.823E+00	5.068E+00	4.030E+00
254	9.303E+00	9.964E+00	5.905E+00	9.924E+00	1.070E+01	8.933E+00	6.435E+00	8.469E+00	8.543E+00	1.264E+01	6.063E+00	1.055E+01	1.175E+01
255	8.084E+00	8.567E+00	5.659E+00	9.352E+00	7.642E+00	8.848E+00	5.796E+00	7.825E+00	7.607E+00	9.107E+00	6.372E+00	9.149E+00	9.964E+00
256	3.634E+00	3.051E+00	2.818E+00	2.915E+00	2.969E+00	3.678E+00	2.679E+00	2.724E+00	2.928E+00	2.355E+00	3.274E+00	3.371E+00	2.892E+00
257	4.685E+00	4.490E+00	5.829E+00	4.882E+00	4.329E+00	7.227E+00	5.426E+00	5.247E+00	4.671E+00	3.918E+00	5.208E+00	5.503E+00	5.019E+00
258	2.848E+01	2.733E+01	1.663E+01	3.280E+01	1.940E+01	2.098E+01	1.761E+01	2.849E+01	2.431E+01	4.685E+01	1.628E+01	3.428E+01	3.012E+01
259	4.722E+01	4.427E+01	3.397E+01	4.930E+01	3.504E+01	4.611E+01	3.076E+01	3.971E+01	4.106E+01	6.631E+01	4.015E+01	5.142E+01	6.373E+01
260	3.760E+01	4.086E+01	3.368E+01	3.704E+01	3.324E+01	4.044E+01	3.385E+01	3.310E+01	4.313E+01	3.724E+01	3.514E+01	3.789E+01	3.801E+01
261	2.689E+01	2.614E+01	4.148E+01	2.845E+01	3.480E+01	3.752E+01	3.514E+01	3.350E+01	3.005E+01	3.160E+01	3.870E+01	2.916E+01	3.152E+01
262	1.174E+01	9.531E+00	1.777E+01	9.832E+00	1.639E+01	1.517E+01	1.634E+01	1.105E+01	9.956E+00	8.595E+00	1.396E+01	1.166E+01	1.008E+01
263	3.016E+00	3.065E+00	2.133E+00	4.226E+00	2.711E+00	2.706E+00	1.954E+00	3.120E+00	1.732E+00	4.352E+00	2.030E+00	3.709E+00	3.434E+00
264	3.721E+00	2.595E+00	2.769E+00	2.849E+00	2.794E+00	3.286E+00	2.488E+00	2.534E+00	2.159E+00	3.073E+00	3.414E+00	3.349E+00	3.014E+00
265	2.784E+00	2.074E+00	2.009E+00	1.974E+00	2.176E+00	2.623E+00	1.956E+00	1.947E+00	1.856E+00	1.856E+00	2.730E+00	2.445E+00	2.142E+00
266	2.235E+00	1.507E+00	3.464E+00	9.509E-01	2.197E+00	2.984E+00	2.790E+00	1.407E+00	1.390E+00	7.230E-01	4.109E+00	1.766E+00	1.031E+00
267	1.928E+00	1.511E+00	3.627E+00	1.128E+00	1.989E+00	2.779E+00	2.494E+00	1.694E+00	1.253E+00	1.042E+00	3.440E+00	1.965E+00	1.183E+00
268	1.416E+01	1.431E+01	8.520E+00	2.226E+01	1.028E+01	8.270E+00	6.298E+00	1.224E+01	4.186E+00	2.289E+01	7.463E+00	1.669E+01	1.650E+01
269	1.205E+01	9.941E+00	8.213E+00	8.963E+00	8.111E+00	7.534E+00	6.705E+00	8.087E+00	5.127E+00	1.282E+01	8.943E+00	1.090E+01	7.446E+00
270	5.388E+00	4.145E+00	3.825E+00	2.952E+00	3.550E+00	3.791E+00	3.169E+00	2.920E+00	3.023E+00	3.728E+00	4.335E+00	4.346E+00	2.385E+00
271	1.018E+01	1.114E+01	1.175E+01	1.311E+01	9.848E+00	1.772E+01	1.222E+01	1.429E+01	1.358E+01	1.142E+01	1.248E+01	1.254E+01	1.494E+01
272	6.816E+01	6.121E+01	8.098E+01	8.168E+01	7.193E+01	1.006E+02	7.281E+01	9.624E+01	7.157E+01	8.162E+01	8.783E+01	7.164E+01	8.470E+01
273	7.639E+01	7.215E+01	8.695E+01	8.766E+01	7.480E+01	1.036E+02	7.630E+01	1.008E+02	7.411E+01	8.186E+01	8.850E+01	7.241E+01	8.790E+01
274	1.156E+01	1.124E+01	1.480E+01	1.324E+01	1.090E+01	1.614E+01	1.171E+01	1.504E+01	1.121E+01	1.373E+01	1.323E+01	1.093E+01	1.380E+01
275	4.108E-01	5.335E-01	1.091E+00	5.854E-01	6.300E-01	1.124E+00	5.800E-01	7.831E-01	4.066E-01	3.986E-01	7.365E-01	6.713E-01	6.147E-01
276	7.292E+00	7.104E+00	1.158E+01	7.673E+00	7.155E+00	1.026E+01	6.035E+00	1.002E+01	5.809E+00	7.031E+00	8.632E+00	7.971E+00	9.305E+00
277	1.936E+01	1.624E+01	3.336E+01	1.991E+01	2.034E+01	2.190E+01	1.729E+01	2.578E+01	1.261E+01	1.951E+01	2.483E+01	1.855E+01	2.256E+01
278	1.883E+01	1.663E+01	3.261E+01	1.979E+01	1.994E+01	2.092E+01	1.651E+01	2.468E+01	1.200E+01	1.802E+01	2.458E+01	1.777E+01	2.205E+01
279	7.749E+00	7.525E+00	9.655E+00	7.497E+00	4.764E+00	4.577E+00	6.200E+00	6.231E+00	4.552E+00	6.332E+00	6.625E+00	6.790E+00	6.279E+00
280	5.599E+00	5.432E+00	8.219E+00	5.009E+00	7.465E+00	7.194E+00	7.379E+00	6.405E+00	6.427E+00	3.929E+00	7.498E+00	6.783E+00	4.458E+00
281	1.229E+02	1.213E+02	1.129E+02	1.185E+02	1.350E+02	1.126E+02	1.288E+02	1.158E+02	1.382E+02	1.160E+02	1.280E+02	1.099E+02	1.221E+02
282	1.055E+02	1.058E+02	9.645E+01	1.031E+02	1.126E+02	9.802E+01	1.090E+02	1.020E+02	1.190E+02	1.007E+02	1.081E+02	9.528E+01	1.056E+02
283	5.863E+01	5.405E+01	3.939E+01	4.901E+01	3.856E+01	3.406E+01	4.107E+01	4.720E+01	4.768E+01	4.897E+01	4.709E+01	5.109E+01	4.031E+01
284	5.098E+00	5.328E+00	6.390E+00	6.614E+00	5.363E+00	7.077E+00	6.020E+00	6.119E+00	4.604E+00	4.983E+00	5.336E+00	7.376E+00	6.425E+00
285	7.716E+01	8.157E+01	8.277E+01	7.951E+01	9.028E+01	7.812E+01	7.564E+01	6.837E+01	7.891E+01	7.551E+01	8.262E+01	8.310E+01	8.018E+01
286	6.155E+01	6.177E+01	6.399E+01	6.220E+01	6.529E+01	6.319E+01	5.913E+01	5.562E+01	6.078E+01	5.784E+01	6.097E+01	6.229E+01	6.159E+01
287	1.110E+01	1.052E+01	1.022E+01	8.920E+00	9.794E+00	8.332E+00	9.164E+00	7.480E+00	8.220E+00	7.733E+00	1.036E+01	1.080E+01	7.052E+00

	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW
288	5.110E+01	4.690E+01	7.481E+01	6.166E+01	6.197E+01	6.871E+01	6.111E+01	6.145E+01	5.470E+01	6.067E+01	6.971E+01	5.712E+01	6.478E+01
289	4.143E+01	3.649E+01	5.806E+01	5.070E+01	4.707E+01	5.796E+01	4.933E+01	5.265E+01	4.518E+01	4.926E+01	5.423E+01	4.406E+01	5.318E+01
290	1.937E+01	1.593E+01	2.670E+01	2.226E+01	2.263E+01	2.572E+01	2.565E+01	2.075E+01	1.833E+01	1.857E+01	1.944E+01	1.998E+01	2.235E+01
291	1.557E+01	1.218E+01	2.082E+01	1.828E+01	1.731E+01	1.990E+01	1.943E+01	1.626E+01	1.420E+01	1.426E+01	1.467E+01	1.606E+01	1.790E+01
292	2.292E+00	1.801E+00	3.059E+00	1.826E+00	2.803E+00	2.579E+00	2.504E+00	1.731E+00	1.659E+00	1.401E+00	2.554E+00	2.106E+00	1.756E+00
293	1.663E+00	1.127E+00	3.006E+00	5.821E-01	1.811E+00	2.459E+00	1.896E+00	1.145E+00	9.893E-01	5.441E-01	3.251E+00	1.350E+00	7.182E-01
294	2.419E+00	2.825E+00	2.284E+00	2.131E+00	2.725E+00	2.972E+00	2.885E+00	2.530E+00	3.208E+00	1.373E+00	2.635E+00	1.432E+00	1.495E+00
295	2.339E+00	2.798E+00	2.314E+00	2.136E+00	2.695E+00	2.914E+00	2.831E+00	2.459E+00	3.174E+00	1.388E+00	2.607E+00	1.406E+00	1.446E+00
296	1.758E+00	2.058E+00	1.225E+00	1.534E+00	1.315E+00	1.600E+00	1.565E+00	1.721E+00	1.853E+00	1.053E+00	1.523E+00	1.004E+00	9.160E-01
297	1.948E-01	1.926E-01	3.598E-01	2.427E-01	2.732E-01	2.795E-01	2.853E-01	3.108E-01	2.237E-01	7.722E-01	3.747E-01	2.104E-01	2.451E-01
298	8.988E-03	1.549E-02	2.036E-02	1.156E-02	8.946E-03	1.006E-02	1.206E-02	1.289E-02	8.388E-03	1.602E-02	1.330E-02	9.997E-03	9.525E-03
299	7.680E-02	5.642E-02	2.566E-01	6.586E-02	9.182E-02	7.058E-02	7.036E-02	7.894E-02	3.947E-02	1.521E-01	1.693E-01	6.865E-02	6.543E-02
300	6.071E-03	4.526E-03	2.424E-02	3.282E-03	5.685E-03	4.569E-03	8.130E-03	5.427E-03	2.574E-03	4.441E-03	9.074E-03	5.213E-03	5.106E-03
301	6.650E-02	4.998E-02	1.433E-01	5.792E-02	5.899E-02	4.784E-02	6.650E-02	6.393E-02	5.191E-02	8.688E-02	9.074E-02	5.620E-02	4.569E-02
302	7.766E-03	5.170E-03	3.711E-02	9.289E-03	1.375E-02	1.098E-02	3.389E-02	1.628E-02	5.642E-03	1.304E-02	6.200E-03	1.015E-02	5.535E-03
303	2.595E-01	1.617E-01	3.938E-01	2.270E-01	2.188E-01	1.864E-01	2.473E-01	1.817E-01	1.871E-01	3.022E-01	2.209E-01	2.345E-01	2.040E-01
304	3.883E-03	4.848E-03	1.073E-02	2.574E-03	5.685E-03	2.917E-03	6.028E-03	2.210E-03	3.561E-03	3.711E-03	4.870E-03	2.746E-03	9.675E-04
305	3.595E-01	2.053E-01	5.878E-01	3.164E-01	3.799E-01	3.112E-01	3.637E-01	3.162E-01	2.449E-01	5.619E-01	4.649E-01	3.606E-01	3.395E-01
306	3.003E-02	2.360E-02	5.792E-02	2.057E-02	2.210E-02	1.995E-02	3.111E-02	2.036E-02	1.517E-02	3.368E-02	3.261E-02	2.810E-02	2.896E-02
307	2.019E+00	1.156E+00	1.837E+00	1.973E+00	1.465E+00	1.421E+00	2.186E+00	1.539E+00	1.429E+00	1.484E+00	8.214E-01	1.747E+00	1.735E+00
308	2.939E-02	2.424E-02	4.012E-02	3.218E-02	2.574E-02	2.703E-02	3.904E-02	2.360E-02	2.510E-02	2.660E-02	1.306E-02	3.068E-02	3.153E-02
309	3.389E-03	3.540E-03	6.071E-03	4.290E-03	4.140E-03	3.111E-03	7.594E-03	4.741E-03	1.937E-03	6.521E-03	5.985E-03	4.505E-03	3.861E-03
310	1.699E-03	9.031E-03	3.926E-03	1.999E-03	2.617E-03	1.830E-03	2.875E-03	1.866E-03	2.574E-03	3.861E-03	3.325E-03	1.740E-03	2.210E-03
311	4.848E-04	9.675E-04	3.583E-04	7.144E-04	6.543E-04	7.315E-04	7.873E-04	1.188E-03	4.848E-04	4.441E-04	6.650E-04	7.251E-04	4.140E-04
312	4.848E-04	9.675E-04	7.144E-04	1.429E-04	2.188E-04	3.668E-04	0.000E+00	8.474E-04	1.613E-04	2.960E-04	6.650E-04	5.792E-04	0.000E+00
313	1.294E-01	9.224E-02	1.948E-01	1.223E-01	1.210E-01	1.401E-01	1.688E-01	1.950E-01	1.169E-01	1.742E-01	1.242E-01	1.079E-01	1.259E-01
314	1.360E-02	2.066E-02	1.180E-02	2.853E-03	5.899E-03	4.398E-03	9.182E-03	6.607E-03	5.642E-03	5.642E-03	9.074E-03	5.663E-03	4.698E-03
315	2.767E-02	2.130E-02	3.861E-02	2.982E-02	2.553E-02	2.274E-02	2.617E-02	3.625E-02	1.341E-02	3.347E-02	2.017E-02	2.087E-02	2.574E-02
316	1.699E-03	3.540E-03	3.218E-03	1.285E-03	8.731E-04	7.315E-04	2.360E-03	1.697E-03	1.131E-03	1.038E-03	1.772E-03	4.355E-04	1.519E-03
317	2.660E-02	1.873E-02	2.896E-02	2.746E-02	2.210E-02	1.995E-02	2.381E-02	3.068E-02	2.188E-02	2.960E-02	1.883E-02	2.617E-02	2.145E-02
318	2.917E-03	4.205E-03	2.143E-03	1.999E-03	3.068E-03	2.381E-03	2.875E-03	2.036E-03	1.937E-03	1.630E-03	1.995E-03	1.304E-03	1.658E-03
319	2.040E-01	1.043E-01	2.634E-01	1.965E-01	2.219E-01	1.371E-01	2.344E-01	2.275E-01	1.836E-01	1.963E-01	1.317E-01	2.001E-01	1.639E-01
320	4.848E-04	6.457E-04	1.429E-03	2.853E-04	4.376E-04	3.668E-04	1.311E-03	1.358E-03	4.848E-04	4.441E-04	6.650E-04	1.450E-04	2.767E-04
321	1.643E-01	1.006E-01	2.887E-01	1.974E-01	2.197E-01	1.984E-01	2.462E-01	2.451E-01	1.652E-01	3.079E-01	1.727E-01	1.841E-01	1.720E-01
322	5.342E-03	3.540E-03	9.997E-03	7.723E-03	8.302E-03	6.586E-03	8.645E-03	7.637E-03	5.170E-03	7.701E-03	6.436E-03	6.521E-03	6.500E-03
323	2.318E-01	1.051E-01	3.563E-01	2.745E-01	2.756E-01	1.978E-01	3.204E-01	2.916E-01	2.390E-01	2.462E-01	1.500E-01	2.497E-01	1.989E-01
324	8.259E-03	5.814E-03	1.321E-02	8.152E-03	1.244E-02	8.967E-03	8.130E-03	7.465E-03	7.594E-03	9.353E-03	6.436E-03	6.672E-03	5.663E-03
325	9.718E-03	5.492E-03	1.287E-02	6.564E-03	8.946E-03	7.144E-03	1.154E-02	9.847E-03	7.744E-03	6.371E-03	1.064E-02	5.084E-03	8.431E-03
326	1.699E-03	9.675E-04	2.143E-03	7.144E-04	1.746E-03	1.098E-03	2.098E-03	1.527E-03	6.457E-04	1.334E-03	1.107E-03	5.792E-04	1.519E-03
327	1.068E-02	1.131E-02	2.403E-02	1.058E-02	6.993E-03	9.889E-03	1.180E-02	1.255E-02	9.847E-03	1.008E-02	1.197E-02	1.015E-02	1.049E-02
328	1.941E-03	3.540E-03	2.853E-03	7.144E-04	2.188E-03	7.315E-04	2.617E-03	2.210E-03	6.457E-04	8.903E-04	2.210E-03	1.740E-03	1.244E-03

	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW
329	2.991E-01	2.656E-01	5.210E-01	4.517E-01	4.817E-01	5.049E-01	5.572E-01	5.992E-01	3.474E-01	2.892E-01	2.674E-01	3.441E-01	4.858E-01
330	5.106E-03	3.218E-03	8.216E-03	5.706E-03	8.302E-03	6.586E-03	8.645E-03	5.599E-03	4.526E-03	3.261E-03	2.210E-03	4.784E-03	4.140E-03
331	2.274E-02	1.808E-02	5.942E-02	2.574E-02	3.668E-02	3.196E-02	3.625E-02	3.733E-02	2.295E-02	2.231E-02	2.939E-02	2.446E-02	2.338E-02
332	4.848E-04	9.675E-04	2.143E-03	2.853E-04	6.543E-04	9.139E-04	4.977E-03	8.474E-04	4.848E-04	7.422E-04	6.650E-04	7.251E-04	1.382E-03
333	1.360E-02	1.420E-02	3.068E-02	1.699E-02	2.096E-02	1.463E-02	2.403E-02	2.360E-02	1.469E-02	1.542E-02	1.596E-02	1.929E-02	1.864E-02
334	4.848E-04	0.000E+00	3.583E-04	1.429E-04	4.376E-04	0.000E+00	2.617E-04	1.697E-04	1.613E-04	0.000E+00	2.210E-04	4.355E-04	8.281E-04
335	3.111E-02	3.196E-02	5.470E-02	4.376E-02	4.741E-02	4.419E-02	5.814E-02	5.149E-02	2.703E-02	3.432E-02	2.446E-02	3.561E-02	3.218E-02
336	4.848E-03	3.218E-03	6.071E-03	1.570E-03	3.711E-03	2.188E-03	4.205E-03	1.697E-03	1.613E-03	2.381E-03	2.446E-03	2.167E-03	2.210E-03
337	5.749E-02	4.419E-02	1.287E-01	8.045E-02	1.060E-01	7.787E-02	1.375E-01	1.221E-01	6.114E-02	6.500E-02	4.719E-02	7.851E-02	7.680E-02
338	2.917E-03	9.675E-04	3.583E-03	1.429E-03	2.403E-03	1.648E-03	3.153E-03	4.076E-03	9.675E-04	4.441E-04	6.650E-04	2.029E-03	1.105E-03
339	3.368E-02	2.510E-02	5.942E-02	5.041E-02	5.363E-02	5.127E-02	5.749E-02	5.149E-02	3.947E-02	3.883E-02	2.295E-02	4.226E-02	3.325E-02
340	3.389E-03	4.205E-03	3.218E-03	2.574E-03	2.403E-03	1.648E-03	4.977E-03	2.381E-03	1.776E-03	2.660E-03	3.111E-03	2.029E-03	2.488E-03
341	5.106E-03	5.170E-03	8.924E-03	4.569E-03	6.993E-03	4.762E-03	8.388E-03	5.599E-03	3.711E-03	4.741E-03	6.436E-03	2.167E-03	4.977E-03
342	7.272E-04	6.457E-04	1.073E-03	4.290E-04	1.311E-03	1.098E-03	2.617E-04	5.084E-04	3.218E-04	2.960E-04	8.860E-04	4.355E-04	4.140E-04
343	6.071E-03	6.457E-03	9.289E-03	6.436E-03	5.020E-03	4.205E-03	6.822E-03	5.427E-03	4.355E-03	4.591E-03	1.040E-02	5.363E-03	6.221E-03
344	4.848E-04	0.000E+00	3.583E-04	0.000E+00	2.188E-04	3.668E-04	0.000E+00	6.779E-04	4.848E-04	0.000E+00	6.650E-04	0.000E+00	0.000E+00

	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ
1	**CA074**	**CA420**	**14657**	**13667**	**CA0035**	**CA110**	**13675**	**CA128**	**14663**	**CA206**	**13639**	**14633**	**CA060**
2	**Control**	**Control**	**Benign**	**Late Malignant**	**Control**	**Control**	**Benign**	**Control**	**Benign**	**Control**	**Early Malignant**	**Early Malignant**	**Control**
3	0	0	1	3	0	0	1	0	1	0	2	2	0
4	1	1	-1	-1	1	1	-1	1	-1	1	-1	-1	1
5	2.525E+00	1.785E+00	2.521E+00	1.067E+00	1.502E+00	1.949E+00	2.339E+00	1.888E+00	1.703E+00	9.049E-01	1.794E+00	1.426E+00	1.415E+00
6	1.165E+00	9.312E-01	4.539E-01	4.281E-01	1.416E+00	1.042E+00	1.180E+00	6.320E-01	6.159E-01	4.635E-01	3.906E-01	4.152E-01	4.024E-01
7	2.758E-01	2.253E-01	2.189E-01	1.084E-01	3.004E-01	3.670E-01	3.058E-01	3.079E-01	2.929E-01	1.212E-01	1.738E-01	1.867E-01	1.202E-01
8	1.674E+00	1.023E+00	2.741E+00	6.599E-01	9.152E-01	1.073E+00	1.757E+00	2.727E+00	1.024E+00	5.987E-01	2.368E+00	1.077E+00	2.412E+00
9	3.723E-02	2.918E-02	3.219E-02	1.620E-02	1.502E-02	3.863E-03	2.124E-02	3.809E-02	2.554E-02	2.521E-02	2.210E-02	1.899E-02	1.781E-02
10	2.124E-02	1.459E-02	1.352E-02	2.167E-02	2.403E-02	1.159E-02	4.249E-03	7.607E-03	8.498E-03	4.378E-03	5.515E-03	4.861E-03	5.097E-03
11	1.545E-02	9.431E-03	7.790E-03	0.000E+00	2.103E-02	2.318E-02	1.277E-02	3.809E-03	1.695E-02	8.208E-03	5.515E-03	6.320E-03	4.592E-03
12	1.170E-02	4.238E-03	4.152E-03	0.000E+00	6.009E-03	2.704E-02	2.124E-02	1.137E-02	1.277E-02	5.472E-03	5.515E-03	4.378E-03	3.573E-03
13	2.178E-02	9.903E-03	3.584E-02	2.167E-02	0.000E+00	1.545E-02	2.124E-02	3.047E-02	2.124E-02	1.148E-02	1.491E-02	1.363E-02	2.393E-02
14	4.517E-02	6.180E-02	4.206E-02	4.335E-02	5.708E-02	6.170E-02	3.391E-02	4.560E-02	4.667E-02	3.069E-02	3.144E-02	3.305E-02	3.616E-02
15	4.260E-03	8.959E-03	7.790E-03	1.084E-02	1.202E-02	1.159E-02	8.487E-03	3.809E-03	0.000E+00	4.378E-03	4.410E-03	3.895E-03	4.592E-03
16	1.599E-03	4.710E-04	5.193E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.189E-03	1.105E-03	4.861E-04	0.000E+00
17	2.124E-03	1.416E-03	1.038E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.277E-02	2.446E-01	6.341E-02	4.818E-02	3.058E-02
18	3.036E-02	2.264E-02	2.178E-02	3.788E-02	1.202E-02	3.863E-02	6.363E-02	5.708E-02	2.554E-02	7.571E-01	1.513E-01	1.545E-01	9.388E-02
19	1.384E-01	7.736E-02	1.277E-01	4.335E-02	9.603E-02	1.770E-01	1.996E-01	1.298E-01	1.062E-01	3.766E-01	1.706E-01	1.556E-01	9.077E-02
20	2.661E-03	2.361E-03	1.556E-03	0.000E+00	3.004E-03	3.863E-03	8.487E-03	0.000E+00	4.249E-03	1.094E-03	5.515E-04	9.732E-04	2.039E-03
21	3.036E-02	1.792E-02	8.820E-03	2.704E-02	9.002E-03	1.545E-02	4.249E-03	2.285E-02	2.124E-02	4.324E-02	2.092E-02	1.803E-02	1.738E-02
22	3.187E-03	0.000E+00	1.556E-03	5.408E-03	0.000E+00	0.000E+00	1.695E-02	3.809E-03	1.277E-02	1.094E-02	0.000E+00	3.401E-03	2.554E-03
23	5.687E-02	3.916E-02	2.436E-02	4.871E-02	6.309E-02	4.635E-02	9.764E-02	6.470E-02	6.373E-02	6.127E-02	4.850E-02	3.938E-02	3.777E-02
24	5.633E-02	4.292E-02	5.708E-02	5.955E-02	4.807E-02	6.170E-02	5.944E-02	3.423E-02	8.069E-02	7.850E-01	1.685E-01	1.738E-01	9.131E-02
25	3.348E-02	1.695E-02	9.861E-03	1.084E-02	2.403E-02	3.090E-02	2.972E-02	1.524E-02	1.695E-02	2.082E-02	1.652E-02	1.266E-02	2.350E-02
26	9.571E-03	1.652E-02	2.028E-02	1.084E-02	3.605E-02	2.318E-02	1.695E-02	1.899E-02	2.972E-02	1.094E-02	1.652E-02	1.170E-02	1.170E-02
27	3.187E-03	2.361E-03	3.637E-03	0.000E+00	6.009E-03	7.715E-03	1.695E-02	0.000E+00	0.000E+00	1.094E-03	4.410E-03	1.942E-03	3.058E-03
28	5.161E-02	2.833E-02	2.124E-02	1.620E-02	1.202E-02	4.249E-02	3.820E-02	2.661E-02	3.401E-02	5.805E-02	2.865E-02	2.436E-02	2.961E-02
29	5.633E-02	4.710E-02	2.704E-02	3.251E-02	5.708E-02	5.021E-02	5.944E-02	3.423E-02	2.972E-02	7.779E-02	3.036E-02	3.594E-02	3.927E-02
30	6.277E-02	5.376E-02	6.953E-02	2.704E-02	3.004E-02	3.476E-02	2.972E-02	3.809E-02	2.972E-02	3.594E-01	1.003E-01	1.180E-01	5.708E-02
31	3.723E-02	3.723E-02	3.637E-02	5.408E-02	3.605E-02	4.249E-02	2.972E-02	3.809E-02	1.277E-02	1.824E-01	5.461E-02	7.296E-02	5.665E-02
32	7.554E-02	2.124E-02	8.251E-02	4.335E-02	1.803E-02	3.863E-02	4.249E-02	9.506E-02	2.554E-02	4.324E-02	5.569E-02	4.721E-02	5.097E-02
33	8.509E-03	8.487E-03	1.094E-02	5.408E-03	1.202E-02	1.931E-02	8.487E-03	0.000E+00	1.277E-02	1.148E-02	8.820E-03	9.238E-03	1.170E-02
34	3.240E-01	2.350E-01	3.155E-01	2.328E-01	1.652E-01	1.888E-01	3.433E-01	3.155E-01	4.077E-01	2.350E-01	6.416E-01	3.755E-01	3.916E-01
35	5.848E-02	7.500E-02	8.358E-02	5.955E-02	4.506E-02	4.249E-02	5.097E-02	4.185E-02	3.820E-02	6.406E-02	3.970E-02	5.644E-02	8.058E-02
36	5.322E-03	6.127E-03	3.637E-03	5.408E-03	1.202E-02	7.715E-03	4.249E-03	7.607E-03	8.498E-03	6.567E-03	2.210E-03	5.354E-03	6.631E-03
37	9.045E-03	9.431E-03	9.861E-03	2.704E-02	3.004E-02	3.863E-02	2.124E-02	1.899E-02	2.554E-02	2.521E-02	1.438E-02	1.363E-02	9.689E-03
38	1.438E-02	1.127E-02	1.191E-02	1.084E-02	1.502E-02	1.931E-02	3.820E-02	2.661E-02	1.695E-02	1.588E-02	2.532E-02	1.556E-02	1.223E-02
39	6.491E-02	1.352E-01	7.210E-02	4.871E-02	1.470E-01	1.309E-01	1.695E-02	4.946E-02	3.401E-02	1.309E-01	2.918E-02	8.895E-02	6.835E-02
40	9.356E-02	1.459E-01	1.202E-01	8.659E-02	1.202E-01	6.942E-02	9.764E-02	7.607E-02	7.650E-02	1.577E-01	9.431E-02	1.298E-01	7.339E-02
41	2.017E-02	9.903E-03	1.609E-02	6.491E-02	1.502E-02	3.476E-02	5.097E-02	4.560E-02	5.097E-02	2.843E-02	2.264E-02	1.609E-02	2.650E-02

	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ
42	1.599E-03	2.361E-03	4.152E-03	0.000E+00	3.004E-03	3.863E-03	8.487E-03	7.607E-03	4.249E-03	2.189E-03	7.167E-03	1.459E-03	2.554E-03
43	5.993E-03	4.861E-03	5.221E-03	6.481E-03	7.201E-03	4.630E-03	7.124E-03	6.378E-03	8.153E-03	4.449E-03	2.598E-02	6.636E-03	9.156E-03
44	1.928E-01	1.551E-01	1.715E-01	3.724E-01	2.302E-01	2.675E-01	3.549E-01	2.778E-01	3.472E-01	2.667E-01	6.836E-01	3.438E-01	3.970E-01
45	1.036E-01	6.893E-02	4.990E-02	1.453E-01	1.404E-01	1.222E-01	1.566E-01	1.085E-01	1.294E-01	1.448E-01	2.694E-01	1.283E-01	2.112E-01
46	9.722E-02	7.253E-02	8.487E-02	1.181E-01	1.409E-01	1.564E-01	1.181E-01	1.469E-01	1.731E-01	9.645E-02	2.678E-01	1.168E-01	1.404E-01
47	1.319E-01	8.822E-02	1.157E-01	1.998E-01	1.361E-01	1.749E-01	2.320E-01	1.551E-01	2.312E-01	2.383E-01	5.355E-01	2.448E-01	3.496E-01
48	1.607E-02	1.831E-02	1.592E-02	1.816E-02	3.446E-02	3.781E-02	1.728E-02	2.554E-02	2.443E-02	2.322E-02	5.298E-02	1.934E-02	5.684E-02
49	5.221E-03	7.124E-03	7.973E-03	9.079E-03	1.008E-02	7.407E-03	2.034E-03	6.378E-03	1.834E-02	1.299E-02	1.692E-02	1.049E-02	1.785E-02
50	2.423E-03	3.832E-03	2.623E-03	6.481E-03	5.041E-03	5.555E-03	2.034E-03	7.304E-03	3.061E-03	3.292E-03	5.941E-03	4.089E-03	3.421E-03
51	1.175E-01	1.548E-01	1.890E-01	1.440E-01	1.440E-01	1.564E-01	1.057E-01	2.472E-01	2.220E-01	9.053E-02	2.321E-01	1.361E-01	1.016E-01
52	1.276E-03	1.129E-03	3.369E-03	6.481E-03	5.761E-03	5.555E-03	4.064E-03	1.733E-02	1.018E-02	4.064E-03	9.002E-03	3.858E-03	5.015E-03
53	4.475E-02	3.369E-02	4.861E-02	3.369E-02	2.014E-02	4.167E-02	5.298E-02	4.372E-02	7.844E-02	3.498E-02	1.011E-01	6.867E-02	6.198E-02
54	5.866E+00	5.430E+00	4.659E+00	5.234E+00	4.785E+00	4.427E+00	4.931E+00	4.271E+00	4.212E+00	5.934E+00	3.853E+00	5.820E+00	4.691E+00
55	4.820E-01	5.581E-01	6.504E-01	5.709E-01	5.311E-01	5.466E-01	3.876E-01	5.653E-01	5.559E-01	5.169E-01	6.078E-01	6.617E-01	3.953E-01
56	1.962E-01	1.736E-01	1.327E-01	1.842E-01	2.202E-01	1.849E-01	2.196E-01	1.888E-01	2.106E-01	1.849E-01	1.528E-01	1.827E-01	1.741E-01
57	2.682E+00	3.237E+00	4.397E+00	4.027E+00	3.447E+00	4.089E+00	2.883E+00	3.995E+00	4.170E+00	3.088E+00	3.360E+00	4.225E+00	2.237E+00
58	3.652E-02	3.189E-02	4.578E-02	6.867E-02	7.407E-02	1.157E-01	1.119E-01	1.157E-01	8.745E-02	4.424E-02	1.024E-01	5.838E-02	7.716E-02
59	4.887E-02	6.121E-02	8.102E-02	3.112E-02	3.601E-02	4.347E-02	3.266E-02	3.472E-02	4.990E-02	5.684E-02	4.578E-02	6.430E-02	4.244E-02
60	2.294E-02	1.481E-02	1.517E-02	1.039E-02	1.080E-02	9.259E-03	2.441E-02	1.824E-02	1.222E-02	2.454E-02	4.655E-02	2.855E-02	3.369E-02
61	1.120E+00	1.673E+00	2.470E+00	8.887E-01	1.398E+00	1.348E+00	4.334E-01	6.957E-01	1.192E+00	9.334E-01	1.083E+00	8.209E-01	1.351E+00
62	5.609E-01	4.417E-01	2.154E-01	8.784E-01	9.549E-01	8.204E-01	1.043E+00	7.778E-01	6.210E-01	4.668E-01	4.180E-01	3.368E-01	5.248E-01
63	1.186E-02	1.402E-02	1.903E-02	1.168E-02	1.942E-02	1.294E-02	1.119E-02	3.652E-03	1.119E-02	1.181E-02	1.824E-02	1.119E-02	2.567E-02
64	3.948E+00	3.315E+00	1.783E+00	1.370E+00	1.155E+00	1.147E+00	1.180E+00	8.744E-01	7.697E-01	2.767E+00	1.771E+00	1.892E+00	2.432E+00
65	1.471E-01	1.240E-01	8.024E-02	8.307E-02	8.050E-02	9.619E-02	9.053E-02	6.841E-02	6.713E-02	1.296E-01	1.911E-01	1.304E-01	2.033E-01
66	6.389E-01	6.037E-01	4.419E-01	5.268E-01	3.318E-01	3.729E-01	2.855E-01	5.170E-01	3.292E-01	5.124E-01	6.364E-01	4.815E-01	4.869E-01
67	4.604E-02	3.729E-02	5.607E-02	2.726E-02	4.527E-02	4.912E-02	4.269E-02	7.201E-02	5.401E-02	5.298E-02	1.697E-01	7.844E-02	1.186E-01
68	1.502E-01	7.381E-02	6.276E-02	1.065E-01	4.167E-02	7.767E-02	1.222E-01	7.304E-02	9.773E-02	8.359E-02	2.212E-01	9.233E-02	1.538E-01
69	5.889E-01	8.562E-01	1.032E+00	2.153E-01	2.906E-01	2.340E-01	1.036E-01	1.605E-01	1.903E-01	3.783E-01	4.652E-01	2.481E-01	6.217E-01
70	2.701E-02	3.086E-02	3.832E-02	1.947E-02	2.086E-02	2.958E-02	1.628E-02	2.096E-02	2.240E-02	2.623E-02	6.173E-02	3.189E-02	6.173E-02
71	3.832E-03	8.925E-03	9.079E-03	1.296E-03	4.321E-03	9.259E-04	1.018E-03	3.652E-03	4.064E-03	1.062E-02	1.561E-02	5.118E-03	1.003E-02
72	2.932E-03	1.808E-03	1.867E-03	0.000E+00	1.440E-03	1.849E-03	1.018E-03	5.478E-03	0.000E+00	2.752E-03	5.144E-03	1.983E-03	3.549E-03
73	1.119E-03	9.921E-04	0.000E+00	0.000E+00	3.160E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.465E-02	1.445E-02	1.941E-02	9.661E-03
74	0.000E+00	2.980E-03	4.368E-03	0.000E+00	1.580E-02	4.063E-03	8.928E-03	0.000E+00	0.000E+00	2.269E-01	3.420E-02	4.549E-02	1.614E-02
75	2.291E-02	3.521E-02	3.770E-02	1.196E-01	1.512E-01	1.015E-01	7.585E-02	4.007E-02	1.027E-01	5.711E-01	1.129E-01	1.456E-01	5.903E-02
76	3.804E-02	4.458E-02	5.406E-02	1.140E-01	2.246E-01	1.298E-01	1.388E-01	8.002E-02	1.614E-01	7.201E-02	3.070E-02	6.603E-02	4.831E-02
77	1.682E-03	4.955E-03	3.273E-03	0.000E+00	6.953E-02	4.063E-03	4.470E-03	1.196E-02	4.470E-03	5.181E-03	1.163E-03	3.578E-03	1.614E-03
78	1.119E-03	4.955E-04	5.463E-04	5.688E-03	3.160E-03	0.000E+00	4.470E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.113E-04	1.073E-03
79	3.352E-03	0.000E+00	5.463E-04	0.000E+00	3.160E-03	0.000E+00	4.470E-03	4.007E-03	0.000E+00	1.399E+00	1.919E-01	1.998E-01	7.077E-02
80	5.598E-04	0.000E+00	1.637E-03	1.140E-02	3.160E-03	0.000E+00	0.000E+00	1.196E-02	4.470E-03	1.287E-01	1.163E-02	2.348E-02	9.120E-03
81	2.799E-03	2.980E-03	6.546E-03	3.984E-02	3.160E-03	4.063E-03	4.470E-03	1.998E-02	2.235E-02	3.507E+00	4.424E-01	4.955E-01	1.986E-01
82	5.598E-03	2.483E-03	4.910E-03	0.000E+00	6.321E-03	4.063E-03	8.928E-03	4.007E-03	1.783E-02	1.760E+00	2.065E-01	2.178E-01	8.205E-02

	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ
83	3.352E-03	0.000E+00	5.463E-04	0.000E+00	0.000E+00	0.000E+00	4.470E-03	0.000E+00	0.000E+00	3.183E-01	2.607E-02	3.330E-02	1.343E-02
84	6.716E-03	6.941E-03	2.731E-03	1.140E-02	9.470E-03	4.063E-03	1.783E-02	8.002E-03	1.343E-02	1.670E-02	1.445E-02	1.535E-02	1.400E-02
85	2.799E-03	9.921E-04	3.273E-03	1.140E-02	3.160E-03	0.000E+00	4.470E-03	4.007E-03	1.343E-02	2.359E-02	6.964E-03	1.024E-02	4.831E-03
86	6.151E-03	4.458E-03	8.194E-03	3.420E-02	1.896E-02	0.000E+00	2.235E-02	8.002E-03	4.470E-03	1.208E-01	1.332E-02	3.014E-02	1.558E-02
87	8.397E-03	1.185E-02	1.851E-02	7.404E-02	7.585E-02	2.032E-02	1.343E-02	6.400E-02	3.126E-02	9.391E-02	8.126E-03	3.736E-02	2.302E-02
88	2.799E-03	2.483E-03	3.273E-03	1.140E-02	1.580E-02	4.063E-03	4.470E-03	1.603E-02	0.000E+00	1.501E-02	1.738E-03	7.167E-03	2.144E-03
89	5.034E-03	2.980E-03	6.546E-03	5.688E-03	3.160E-02	3.251E-02	1.783E-02	0.000E+00	3.126E-02	1.036E-02	6.964E-03	1.174E-02	1.343E-02
90	1.174E-02	1.840E-02	1.693E-02	6.828E-02	1.140E-01	7.302E-02	3.126E-02	2.404E-02	4.910E-02	3.341E-02	9.865E-03	3.939E-02	3.488E-02
91	2.799E-03	2.980E-03	4.910E-03	5.688E-03	0.000E+00	8.115E-03	1.343E-02	0.000E+00	2.235E-02	1.377E-02	1.738E-03	5.632E-03	2.686E-03
92	1.063E-02	2.980E-03	8.736E-03	1.140E-02	6.321E-03	4.063E-03	1.783E-02	8.002E-03	4.470E-03	2.359E-02	1.163E-02	1.591E-02	1.501E-02
93	2.235E-03	6.941E-03	6.005E-03	1.140E-02	3.160E-03	8.115E-03	2.675E-02	1.603E-02	8.939E-03	1.727E-02	3.476E-03	1.024E-02	7.506E-03
94	1.682E-03	4.955E-04	1.637E-03	0.000E+00	0.000E+00	0.000E+00	4.470E-03	8.002E-03	0.000E+00	8.634E-03	1.738E-03	1.024E-03	1.073E-03
95	5.598E-03	5.451E-03	1.309E-02	1.704E-02	9.470E-03	0.000E+00	0.000E+00	4.007E-03	8.939E-03	3.172E-02	8.126E-03	1.535E-02	1.287E-02
96	2.799E-03	2.483E-03	3.826E-03	1.140E-02	0.000E+00	1.219E-02	4.470E-03	0.000E+00	4.470E-03	3.047E-02	4.063E-03	9.210E-03	4.831E-03
97	0.000E+00	2.980E-03	2.178E-03	0.000E+00	1.896E-02	4.063E-03	4.470E-03	0.000E+00	8.939E-03	8.059E-03	6.964E-03	8.183E-03	7.506E-03
98	8.950E-03	2.980E-03	4.910E-03	1.704E-02	1.896E-02	0.000E+00	2.235E-02	2.799E-02	2.235E-02	1.501E-02	9.865E-03	1.275E-02	1.614E-02
99	8.081E-02	1.083E-01	5.996E-02	1.113E-01	1.717E-01	1.496E-01	1.790E-01	2.256E-01	1.312E-01	7.762E-02	9.074E-02	1.167E-01	1.101E-01
100	3.348E-02	2.636E-02	2.784E-02	1.852E-02	2.747E-02	4.856E-02	9.700E-03	6.524E-02	2.918E-02	2.624E-02	4.598E-02	3.507E-02	3.384E-02
101	1.533E-01	1.251E-01	1.557E-01	2.477E-01	1.852E-01	2.784E-01	2.575E-01	1.655E-01	2.477E-01	1.188E-01	1.373E-01	1.349E-01	1.101E-01
102	4.353E-01	3.470E-01	4.807E-01	9.773E-01	5.212E-01	6.573E-01	1.086E+00	1.156E+00	1.093E+00	4.390E-01	9.074E-01	7.737E-01	9.978E-01
103	1.680E-01	1.557E-01	2.587E-01	2.036E-01	2.612E-01	2.465E-01	3.004E-01	2.256E-01	2.330E-01	1.410E-01	1.410E-01	2.048E-01	1.166E-01
104	2.305E-01	1.729E-01	1.839E-01	4.083E-01	2.673E-01	3.004E-01	3.973E-01	3.777E-01	3.593E-01	2.085E-01	3.446E-01	3.237E-01	3.765E-01
105	6.683E-01	6.499E-01	6.364E-01	1.533E+00	6.965E-01	1.045E+00	1.300E+00	1.126E+00	1.349E+00	6.291E-01	1.300E+00	1.129E+00	1.193E+00
106	1.410E-01	1.471E-01	1.594E-01	1.668E-01	1.950E-01	1.582E-01	2.036E-01	2.256E-01	1.116E-01	1.263E-01	2.085E-01	2.085E-01	1.790E-01
107	1.131E-01	1.002E-01	8.719E-02	2.232E-01	1.508E-01	1.631E-01	1.643E-01	2.134E-01	1.754E-01	1.113E-01	1.962E-01	1.239E-01	1.300E-01
108	2.023E-01	1.741E-01	1.459E-01	3.458E-01	2.845E-01	2.735E-01	1.557E-01	1.778E-01	1.459E-01	1.145E-01	1.839E-01	1.422E-01	1.594E-01
109	1.275E-02	2.158E-03	3.556E-03	0.000E+00	3.433E-03	0.000E+00	4.856E-03	4.353E-03	9.712E-03	4.378E-03	6.303E-03	5.003E-03	5.825E-03
110	4.378E-02	2.968E-02	3.973E-02	6.180E-03	0.000E+00	8.817E-03	1.459E-02	0.000E+00	0.000E+00	1.570E-02	1.263E-02	1.950E-02	9.319E-03
111	3.532E-02	1.778E-02	1.606E-02	6.180E-03	3.433E-03	1.324E-02	9.700E-03	0.000E+00	0.000E+00	2.195E-02	1.386E-02	1.950E-02	6.990E-03
112	1.950E-02	1.186E-02	1.545E-02	0.000E+00	3.433E-03	1.766E-02	0.000E+00	4.353E-03	4.856E-03	6.254E-03	6.928E-03	1.496E-02	5.825E-03
113	6.683E-03	1.078E-03	3.556E-03	0.000E+00	3.433E-03	0.000E+00	0.000E+00	0.000E+00	4.856E-03	5.628E-03	1.888E-03	7.223E-03	3.495E-03
114	7.296E-03	6.462E-03	8.302E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.712E-03	7.505E-03	9.454E-03	8.890E-03	4.660E-03
115	1.704E-02	9.160E-03	1.127E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.459E-02	1.126E-02	2.526E-03	1.001E-02	1.754E-03
116	5.469E-03	6.462E-03	8.302E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.127E-03	3.777E-03	5.555E-03	4.083E-03
117	1.094E-02	1.398E-02	8.302E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.856E-03	1.251E-02	5.040E-03	1.275E-02	6.990E-03
118	9.123E-03	3.777E-03	4.746E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.856E-03	1.815E-02	6.303E-03	6.671E-03	9.908E-03
119	7.897E-03	4.316E-03	7.713E-03	6.180E-03	0.000E+00	4.414E-03	0.000E+00	0.000E+00	0.000E+00	8.755E-03	8.191E-03	9.454E-03	6.413E-03
120	9.724E-03	5.383E-03	3.556E-03	0.000E+00	3.433E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.755E-03	5.677E-03	1.056E-02	5.825E-03
121	1.140E-02	2.360E-02	3.713E-03	7.747E-02	2.146E-02	5.521E-02	6.073E-02	2.182E-01	3.037E-02	5.877E-02	1.184E-02	4.871E-02	5.476E-02
122	1.407E-01	1.318E-01	1.042E-01	2.324E-01	1.077E-01	2.484E-01	3.945E-01	4.354E-01	2.128E-01	8.620E-02	1.104E-01	1.318E-01	1.968E-01
123	3.090E+00	1.941E+00	3.143E+00	4.800E+00	4.443E+00	5.165E+00	5.895E+00	5.004E+00	4.167E+00	2.137E+00	1.033E+00	2.556E+00	2.021E+00

	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ
124	3.802E-02	3.037E-02	1.487E-02	1.549E-01	2.146E-02	5.521E-02	3.037E-02	2.182E-01	3.037E-02	4.310E-02	1.576E-02	3.134E-02	4.381E-02
125	3.802E-02	2.360E-02	2.226E-02	3.874E-02	6.447E-02	8.281E-02	9.083E-02	1.362E-01	1.211E-01	1.140E-01	3.945E-02	5.565E-02	9.528E-02
126	1.701E+00	1.042E+00	3.010E-01	4.648E-01	1.051E+00	1.158E+00	7.898E-01	1.256E+00	4.559E-01	7.088E-01	4.265E-01	8.005E-01	9.706E-01
127	3.874E+00	1.870E+00	1.122E+00	1.897E+00	3.544E+00	3.811E+00	3.063E+00	3.865E+00	2.004E+00	1.701E+00	9.795E-01	1.843E+00	1.674E+00
128	2.983E+00	1.523E+00	3.241E+00	3.909E+00	3.820E+00	4.800E+00	8.593E+00	4.114E+00	3.286E+00	1.790E+00	1.113E+00	1.558E+00	1.656E+00
129	6.474E-02	2.360E-02	2.600E-02	2.324E-01	8.593E-02	5.521E-02	1.211E-01	1.630E-01	1.211E-01	5.877E-02	5.129E-02	5.565E-02	7.293E-02
130	7.641E+00	1.512E+01	5.681E+00	5.378E+00	3.963E+01	2.656E+01	7.747E+00	1.407E+01	1.051E+01	6.580E+00	3.740E+00	7.996E+00	1.265E+01
131	3.927E+00	1.421E+01	7.159E+00	6.082E+00	2.799E+01	1.451E+01	2.431E+00	1.273E+01	7.533E+00	4.978E+00	2.565E+00	3.161E+00	5.530E+00
132	7.614E-02	5.396E-02	2.600E-02	3.874E-01	2.146E-02	8.281E-02	0.000E+00	8.166E-02	3.037E-02	2.743E-02	9.884E-02	9.439E-02	6.207E-02
133	1.906E-02	3.375E-02	2.226E-02	3.874E-02	4.292E-02	5.521E-02	3.037E-02	1.362E-01	6.073E-02	1.959E-02	2.369E-02	1.736E-02	1.825E-02
134	3.045E-02	1.015E-02	1.113E-02	7.747E-02	4.292E-02	2.760E-02	3.037E-02	2.725E-02	3.037E-02	1.567E-02	1.977E-02	2.440E-02	2.921E-02
135	1.140E-02	6.750E-03	1.861E-02	0.000E+00	0.000E+00	2.760E-02	3.037E-02	0.000E+00	9.083E-02	1.175E-02	7.890E-03	1.736E-02	1.460E-02
136	1.906E-02	1.015E-02	7.427E-03	1.549E-01	0.000E+00	5.521E-02	0.000E+00	2.725E-02	0.000E+00	1.959E-02	3.945E-03	1.736E-02	1.825E-02
137	6.848E-02	4.720E-02	4.452E-02	1.549E-01	8.593E-02	8.281E-02	1.825E-01	8.166E-02	9.083E-02	7.053E-02	8.281E-02	4.524E-02	4.381E-02
138	5.325E-02	1.683E-02	1.487E-02	3.874E-02	2.146E-02	1.104E-01	9.083E-02	2.725E-02	6.073E-02	5.485E-02	3.553E-02	2.440E-02	3.286E-02
139	2.930E-01	1.318E-01	2.084E-01	1.354E+00	6.011E-01	4.141E-01	6.679E-01	4.898E-01	2.734E-01	3.250E-01	1.024E-01	1.567E-01	2.119E-01
140	9.528E-02	1.042E-01	1.487E-01	3.099E-01	1.932E-01	2.208E-01	3.339E-01	2.182E-01	6.073E-02	1.371E-01	2.369E-02	1.077E-01	1.024E-01
141	4.185E-02	5.735E-02	1.113E-02	2.707E-01	1.719E-01	2.760E-02	1.211E-01	1.086E-01	6.073E-02	3.134E-02	7.890E-02	4.176E-02	4.381E-02
142	1.906E-02	6.750E-03	7.427E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.441E-02	6.073E-02	7.836E-03	3.945E-03	1.042E-02	1.460E-02
143	3.802E-03	6.750E-03	0.000E+00	3.874E-02	0.000E+00	2.760E-02	0.000E+00	5.441E-02	0.000E+00	2.351E-02	1.977E-02	1.042E-02	2.556E-02
144	6.474E-02	2.360E-02	3.713E-02	7.747E-02	6.447E-02	2.760E-02	1.211E-01	0.000E+00	3.037E-02	1.567E-02	2.369E-02	4.871E-02	1.095E-02
145	2.663E-02	2.360E-02	1.487E-02	1.932E-01	2.146E-02	2.760E-02	6.073E-02	0.000E+00	6.073E-02	2.351E-02	1.184E-02	1.736E-02	3.286E-02
146	1.674E-01	1.621E-01	3.865E-01	2.324E-01	2.796E-01	4.969E-01	2.734E-01	2.725E-01	1.211E-01	1.843E-01	1.345E-01	1.354E-01	2.734E-01
147	2.280E-01	1.247E-01	1.077E-01	5.031E-01	1.932E-01	3.865E-01	5.165E-01	2.992E-01	1.825E-01	1.843E-01	8.281E-02	1.354E-01	1.603E-01
148	7.231E-01	3.678E-01	3.562E-01	6.198E-01	6.224E-01	6.625E-01	1.425E+00	8.166E-01	1.523E-01	4.265E-01	2.369E-01	3.028E-01	5.183E-01
149	1.638E-01	1.282E-01	5.939E-02	3.099E-01	1.932E-01	1.380E-01	2.128E-01	8.166E-02	1.211E-01	7.836E-02	5.922E-02	9.083E-02	1.318E-01
150	2.280E-02	2.360E-02	1.861E-02	2.707E-01	4.292E-02	5.521E-02	6.073E-02	8.166E-02	3.037E-02	9.439E-02	1.977E-02	2.084E-02	2.556E-02
151	1.523E-02	2.021E-02	1.861E-02	0.000E+00	0.000E+00	8.281E-02	3.037E-02	2.725E-02	0.000E+00	4.310E-02	1.576E-02	2.440E-02	2.191E-02
152	1.906E-02	4.381E-02	7.427E-03	7.747E-02	1.291E-01	1.104E-01	3.037E-02	2.725E-02	3.037E-02	1.567E-02	1.977E-02	3.829E-02	4.746E-02
153	2.280E-02	3.037E-02	7.427E-03	1.932E-01	4.292E-02	5.521E-02	6.073E-02	2.725E-02	6.073E-02	1.175E-02	1.977E-02	2.084E-02	2.921E-02
154	2.280E-02	1.683E-02	7.427E-03	1.158E-01	0.000E+00	2.760E-02	3.037E-02	5.441E-02	3.037E-02	1.175E-02	1.184E-02	3.482E-03	3.651E-03
155	3.802E-02	1.683E-02	1.487E-02	0.000E+00	6.447E-02	5.521E-02	3.037E-02	0.000E+00	3.037E-02	1.959E-02	1.184E-02	2.787E-02	1.825E-02
156	1.906E-01	3.811E-01	8.023E-01	4.256E-01	1.095E+00	6.073E-01	2.431E-01	2.449E-01	2.431E-01	3.286E-01	8.682E-02	1.701E-01	3.758E-01
157	1.140E-01	1.656E-01	2.974E-01	2.324E-01	3.224E-01	4.693E-01	2.128E-01	1.630E-01	6.073E-02	8.994E-02	9.439E-02	3.134E-02	2.084E-01
158	2.858E-01	3.206E-01	8.388E-01	4.648E-01	8.593E-01	5.521E-01	6.073E-01	4.630E-01	3.954E-01	2.627E-01	2.012E-01	2.440E-01	5.797E-01
159	1.104E-01	8.771E-02	1.897E-01	2.324E-01	1.719E-01	1.656E-01	9.083E-02	2.182E-01	9.083E-02	1.060E-01	1.024E-01	1.042E-01	1.567E-01
160	6.091E-02	4.381E-02	4.826E-02	1.158E-01	4.292E-02	5.521E-02	3.037E-02	2.725E-02	0.000E+00	4.310E-02	1.576E-02	3.482E-02	5.476E-02
161	6.091E-02	1.354E-02	2.226E-02	2.707E-01	6.447E-02	5.521E-02	1.523E-01	2.725E-01	6.073E-02	1.567E-02	3.945E-02	4.871E-02	3.651E-02
162	2.280E-02	2.360E-02	2.226E-02	3.874E-02	2.146E-02	0.000E+00	3.037E-02	8.166E-02	3.037E-02	1.175E-02	3.945E-03	2.440E-02	3.286E-02
163	2.663E-02	1.683E-02	1.487E-02	3.874E-02	2.146E-02	0.000E+00	0.000E+00	5.441E-02	0.000E+00	1.175E-02	1.977E-02	0.000E+00	5.111E-02
164	7.614E-03	6.750E-03	2.600E-02	3.874E-02	0.000E+00	2.760E-02	3.037E-02	2.725E-02	0.000E+00	1.175E-02	1.576E-02	3.482E-02	1.825E-02

	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ
165	1.906E-02	2.698E-02	1.487E-02	1.158E-01	2.146E-02	2.760E-02	0.000E+00	0.000E+00	0.000E+00	2.743E-02	2.760E-02	3.829E-02	3.651E-03
166	4.951E-02	7.756E-02	8.540E-02	1.549E-01	6.447E-02	1.104E-01	9.083E-02	8.166E-02	3.037E-02	6.269E-02	3.152E-02	2.787E-02	9.528E-02
167	1.104E-01	2.226E-01	6.723E-01	9.261E-01	6.011E-01	4.693E-01	3.037E-02	1.906E-01	1.211E-01	1.487E-01	9.083E-02	5.913E-02	2.734E-01
168	6.091E-02	9.795E-02	1.861E-01	7.747E-02	2.146E-01	1.104E-01	1.211E-01	2.725E-01	2.431E-01	1.060E-01	9.439E-02	8.005E-02	1.603E-01
169	9.172E-02	4.052E-02	7.801E-02	1.158E-01	6.447E-02	1.380E-01	6.073E-02	5.441E-02	9.083E-02	3.134E-02	3.152E-02	5.218E-02	4.746E-02
170	1.140E-02	1.683E-02	5.200E-02	0.000E+00	2.146E-02	0.000E+00	1.825E-01	2.725E-02	6.073E-02	4.310E-02	1.977E-02	3.134E-02	4.746E-02
171	7.231E-02	1.683E-02	2.600E-02	1.932E-01	0.000E+00	8.281E-02	9.083E-02	2.725E-02	0.000E+00	1.567E-02	1.977E-02	2.440E-02	5.476E-02
172	7.603E-02	8.363E-02	9.099E-02	9.601E-02	1.925E-01	1.717E-01	1.337E-01	2.955E-01	1.717E-01	7.554E-02	1.337E-01	6.229E-02	6.131E-02
173	2.404E+00	2.099E+00	2.679E+00	4.735E+00	3.996E+00	4.284E+00	6.126E+00	6.075E+00	6.201E+00	1.745E+00	2.410E+00	2.113E+00	1.858E+00
174	3.569E+00	3.580E+00	3.385E+00	6.063E+00	5.717E+00	5.729E+00	7.540E+00	5.401E+00	8.130E+00	2.654E+00	3.953E+00	3.693E+00	3.421E+00
175	1.178E+00	9.476E-01	7.394E-01	1.685E+00	2.073E+00	2.159E+00	2.425E+00	1.999E+00	1.942E+00	8.274E-01	8.952E-01	1.002E+00	8.179E-01
176	3.306E+00	2.186E+00	3.378E+00	5.162E+00	4.605E+00	6.292E+00	9.656E+00	7.023E+00	7.218E+00	1.917E+00	2.388E+00	2.564E+00	2.090E+00
177	9.181E-01	1.694E+00	1.646E+00	1.386E+00	3.286E+00	2.551E+00	2.133E+00	1.778E+00	2.214E+00	8.468E-01	1.407E+00	8.078E-01	1.093E+00
178	2.011E-01	2.980E-01	1.987E-01	2.502E-01	5.261E-01	5.972E-01	4.353E-01	3.863E-01	3.642E-01	1.582E-01	2.955E-01	2.158E-01	2.146E-01
179	2.673E-02	3.250E-02	2.097E-02	6.928E-02	7.100E-02	5.702E-02	9.197E-02	4.120E-02	4.598E-02	2.698E-02	2.661E-02	4.893E-02	2.060E-02
180	4.145E-02	1.208E-02	1.023E-02	6.928E-02	2.367E-02	7.223E-02	1.422E-01	9.001E-02	4.598E-02	1.888E-02	1.521E-02	2.440E-02	1.205E-02
181	2.146E-02	1.582E-02	1.226E-02	5.334E-03	2.661E-02	1.140E-02	1.251E-02	5.996E-02	8.363E-03	1.025E-02	1.631E-02	1.484E-02	1.557E-02
182	1.032E-01	9.099E-02	8.952E-02	1.925E-01	1.124E-01	1.521E-01	2.587E-01	2.403E-01	2.600E-01	6.634E-02	2.048E-01	1.221E-01	2.072E-01
183	1.313E+00	1.282E+00	1.189E+00	1.594E+00	9.050E-01	1.182E+00	1.324E+00	1.815E+00	1.582E+00	1.566E+00	2.366E+00	2.238E+00	2.730E+00
184	1.243E+00	1.488E+00	1.267E+00	1.496E+00	9.933E-01	9.651E-01	1.398E+00	1.557E+00	1.668E+00	1.408E+00	3.164E+00	2.265E+00	3.354E+00
185	1.058E+00	9.402E-01	7.799E-01	1.067E+00	6.536E-01	5.739E-01	1.032E+00	1.068E+00	9.454E-01	1.039E+00	2.033E+00	1.654E+00	2.339E+00
186	2.283E+00	1.976E+00	1.951E+00	2.218E+00	1.337E+00	1.324E+00	1.953E+00	1.974E+00	1.979E+00	2.310E+00	3.535E+00	3.397E+00	4.381E+00
187	6.475E-01	5.064E-01	3.998E-01	5.653E-01	4.083E-01	3.765E-01	3.850E-01	6.634E-01	4.562E-01	7.259E-01	6.585E-01	9.104E-01	1.032E+00
188	6.131E-02	4.414E-02	4.598E-02	8.535E-02	6.806E-02	8.363E-02	7.112E-02	1.161E-01	6.695E-02	6.953E-02	7.603E-02	9.871E-02	8.645E-02
189	1.205E-02	1.582E-02	8.179E-03	5.334E-03	1.484E-02	1.521E-02	1.668E-02	1.496E-02	1.251E-02	1.079E-02	2.771E-02	1.582E-02	4.868E-02
190	2.612E-01	1.508E-01	1.398E-01	7.468E-02	1.035E-01	9.503E-02	2.134E-01	1.533E-01	1.214E-01	2.146E-01	3.274E-01	2.256E-01	2.955E-01
191	1.688E+00	3.167E+00	3.851E+00	1.410E+00	1.839E+00	1.275E+00	1.239E+00	1.349E+00	1.410E+00	2.181E+00	3.531E+00	2.461E+00	4.972E+00
192	5.310E-01	7.823E-01	8.535E-01	3.090E-01	4.611E-01	2.968E-01	4.010E-01	4.267E-01	3.728E-01	5.849E-01	1.037E+00	9.041E-01	1.370E+00
193	8.326E-02	6.830E-02	7.468E-02	1.174E-01	7.983E-02	1.102E-01	1.213E-01	1.913E-01	1.337E-01	9.552E-02	1.398E-01	1.803E-01	1.729E-01
194	9.540E-02	5.346E-02	5.469E-02	2.882E-01	4.733E-02	1.178E-01	2.170E-01	1.459E-01	1.925E-01	7.174E-02	1.064E-01	1.198E-01	1.186E-01
195	4.819E-02	2.882E-02	3.985E-02	1.655E-01	8.878E-03	6.842E-02	8.780E-02	5.616E-02	7.529E-02	3.397E-02	3.483E-02	4.500E-02	4.574E-02
196	7.860E-02	2.085E-01	1.766E-01	1.120E-01	1.275E-01	1.410E-01	2.931E-02	1.422E-01	7.946E-02	1.508E-01	1.055E-01	1.300E-01	1.717E-01
197	7.026E-02	1.557E-01	1.251E-01	4.267E-02	6.217E-02	3.801E-02	3.765E-02	3.752E-02	7.112E-02	1.079E-01	1.071E-01	9.442E-02	1.251E-01
198	4.660E-02	5.346E-02	5.015E-02	5.334E-02	8.878E-03	4.942E-02	6.278E-02	3.004E-02	1.668E-02	7.603E-02	9.234E-02	8.719E-02	1.015E-01
199	1.337E-01	1.901E-02	8.486E-02	1.337E-01	5.910E-03	4.942E-02	1.088E-01	8.240E-02	7.112E-02	1.373E-01	2.514E-01	2.391E-01	2.465E-01
200	7.443E-02	2.968E-02	4.500E-02	9.062E-02	2.955E-03	7.223E-02	8.780E-02	6.376E-02	7.112E-02	6.683E-02	1.386E-01	1.312E-01	1.226E-01
201	5.874E-02	3.581E-02	4.500E-02	1.386E-01	1.484E-02	4.562E-02	6.695E-02	4.500E-02	8.363E-02	3.397E-02	6.303E-02	4.746E-02	5.028E-02
202	2.256E-02	1.864E-03	6.646E-03	1.594E-02	0.000E+00	1.521E-02	2.097E-02	1.124E-02	8.363E-03	1.133E-02	7.063E-03	1.386E-02	1.055E-02
203	5.236E-04	1.398E-03	0.000E+00	5.334E-03	8.878E-03	0.000E+00	4.181E-03	0.000E+00	0.000E+00	2.158E-03	1.086E-03	4.795E-04	0.000E+00
204	1.410E-02	1.864E-03	8.694E-03	5.334E-03	5.910E-03	1.140E-02	1.668E-02	7.492E-03	4.181E-03	9.172E-03	9.234E-03	7.186E-03	9.540E-03
205	2.097E-03	1.398E-03	5.113E-04	5.334E-03	0.000E+00	0.000E+00	4.181E-03	3.752E-03	0.000E+00	5.395E-04	0.000E+00	0.000E+00	0.000E+00

	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ
206	3.875E-02	3.716E-03	1.741E-02	5.334E-03	2.955E-03	1.901E-02	1.251E-02	1.876E-02	2.514E-02	1.937E-02	1.741E-02	1.435E-02	1.655E-02
207	4.194E-03	4.647E-03	4.096E-03	1.067E-02	5.910E-03	0.000E+00	4.181E-03	1.124E-02	4.181E-03	0.000E+00	1.086E-03	9.577E-04	0.000E+00
208	4.194E-03	1.398E-03	2.563E-03	1.067E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.251E-02	1.619E-03	3.262E-03	4.316E-03	4.022E-03
209	1.048E-03	9.295E-04	1.023E-03	0.000E+00	2.955E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.079E-03	5.432E-04	0.000E+00	0.000E+00
210	0.000E+00	1.398E-03	0.000E+00	0.000E+00	5.910E-03	0.000E+00	0.000E+00	3.752E-03	8.363E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
211	5.236E-04	1.398E-03	5.113E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.363E-03	0.000E+00	0.000E+00	4.795E-04	1.004E-03
212	2.097E-03	1.864E-03	0.000E+00	0.000E+00	2.955E-03	0.000E+00	4.181E-03	7.492E-03	4.181E-03	1.079E-03	0.000E+00	0.000E+00	5.028E-04
213	5.763E-03	9.295E-04	0.000E+00	0.000E+00	2.955E-03	0.000E+00	8.363E-03	0.000E+00	0.000E+00	5.395E-03	2.722E-03	1.435E-03	2.011E-03
214	1.048E-03	2.784E-03	3.581E-03	5.334E-03	1.183E-02	3.801E-03	0.000E+00	0.000E+00	8.363E-03	3.237E-03	3.801E-03	2.391E-03	5.028E-04
215	5.236E-04	2.318E-03	0.000E+00	5.334E-03	2.955E-03	0.000E+00	8.363E-03	0.000E+00	8.363E-03	1.079E-03	1.086E-03	0.000E+00	5.028E-04
216	1.048E-03	9.295E-04	1.023E-03	0.000E+00	0.000E+00	0.000E+00	4.181E-03	0.000E+00	0.000E+00	0.000E+00	1.086E-03	4.795E-04	5.028E-04
217	2.097E-03	9.295E-04	1.533E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.181E-03	1.619E-03	2.722E-03	3.360E-03	5.028E-04
218	1.532E+00	1.463E+00	1.309E+00	2.320E+00	1.741E+00	2.452E+00	2.333E+00	3.943E+00	2.611E+00	2.202E+00	2.967E+00	2.756E+00	2.828E+00
219	1.839E-02	1.251E-02	1.023E-02	1.594E-02	1.183E-02	1.901E-02	3.348E-02	4.120E-02	2.514E-02	2.857E-02	2.882E-02	2.305E-02	2.869E-02
220	2.072E+00	1.985E+00	1.689E+00	1.456E+00	1.633E+00	1.600E+00	1.908E+00	2.260E+00	1.798E+00	1.140E+00	2.515E+00	1.349E+00	1.477E+00
221	7.604E+01	5.992E+01	5.837E+01	6.224E+01	5.344E+01	6.588E+01	7.724E+01	6.647E+01	6.941E+01	5.735E+01	5.531E+01	6.293E+01	5.066E+01
222	7.572E+01	6.100E+01	3.657E+01	5.764E+01	7.134E+01	6.301E+01	7.030E+01	4.409E+01	5.055E+01	5.200E+01	3.078E+01	3.651E+01	3.825E+01
223	3.159E+01	3.111E+01	2.842E+01	2.860E+01	3.350E+01	3.870E+01	3.381E+01	3.286E+01	3.140E+01	2.702E+01	2.479E+01	2.526E+01	1.800E+01
224	3.473E+01	2.320E+01	1.824E+01	2.681E+01	2.041E+01	2.394E+01	3.064E+01	2.470E+01	2.356E+01	2.207E+01	1.934E+01	1.594E+01	1.902E+01
225	1.801E+01	2.620E+01	2.836E+01	1.477E+01	2.807E+01	2.397E+01	9.746E+00	1.159E+01	2.008E+01	1.225E+01	1.208E+01	8.560E+00	1.640E+01
226	3.788E+00	1.415E+01	9.287E+00	5.758E+00	1.546E+01	9.178E+00	1.334E+00	5.450E+00	7.194E+00	5.896E+00	2.421E+00	2.215E+00	3.927E+00
227	2.038E+00	4.572E+00	2.724E+00	1.758E+00	4.303E+00	3.584E+00	1.359E+00	2.092E+00	2.183E+00	2.061E+00	1.755E+00	1.124E+00	1.674E+00
228	8.381E-01	3.334E-01	3.410E-01	4.528E-01	3.837E-01	5.122E-01	3.293E-01	6.231E-01	3.661E-01	3.672E-01	4.257E-01	3.119E-01	2.770E-01
229	8.916E-01	3.829E-01	3.769E-01	5.104E-01	4.322E-01	5.328E-01	3.734E-01	7.016E-01	4.134E-01	4.245E-01	4.336E-01	3.136E-01	2.779E-01
230	2.897E+01	3.265E+01	5.138E+01	3.612E+01	4.249E+01	4.163E+01	3.974E+01	3.000E+01	4.195E+01	3.740E+01	2.325E+01	3.864E+01	2.084E+01
231	5.289E+00	4.288E+00	6.845E+00	4.559E+00	5.348E+00	4.768E+00	3.566E+00	4.627E+00	4.726E+00	4.820E+00	3.525E+00	3.969E+00	3.105E+00
232	1.688E+00	1.735E+00	1.718E+00	2.278E+00	2.079E+00	2.174E+00	1.607E+00	1.785E+00	1.886E+00	1.673E+00	1.303E+00	1.610E+00	1.201E+00
233	5.099E+00	5.211E+00	5.220E+00	6.351E+00	5.293E+00	5.221E+00	6.313E+00	6.442E+00	5.473E+00	5.248E+00	5.979E+00	4.581E+00	4.385E+00
234	1.348E+01	1.570E+01	2.395E+01	2.000E+01	1.562E+01	1.572E+01	1.868E+01	2.161E+01	2.001E+01	1.275E+01	2.503E+01	1.512E+01	1.292E+01
235	9.635E+00	9.848E+00	1.752E+01	1.015E+01	8.300E+00	8.019E+00	7.561E+00	8.570E+00	1.198E+01	8.522E+00	8.909E+00	1.080E+01	8.224E+00
236	8.851E-01	7.452E-01	2.978E-01	6.628E-01	6.447E-01	6.205E-01	6.127E-01	9.900E-01	4.767E-01	1.068E+00	6.413E-01	9.140E-01	7.851E-01
237	4.688E+00	6.193E+00	1.698E+00	3.170E+00	5.000E+00	3.895E+00	3.103E+00	4.777E+00	2.806E+00	6.742E+00	3.695E+00	5.273E+00	6.476E+00
238	5.126E+00	6.486E+00	5.194E+00	5.739E+00	6.285E+00	5.943E+00	5.156E+00	5.805E+00	5.939E+00	6.289E+00	6.574E+00	6.595E+00	5.524E+00
239	1.193E+00	1.076E+00	1.216E+00	1.518E+00	1.157E+00	1.247E+00	9.341E-01	1.089E+00	1.141E+00	1.259E+00	1.158E+00	1.345E+00	1.252E+00
240	2.449E+01	5.658E+00	5.519E+00	1.749E+01	4.967E+00	1.009E+01	2.875E+01	1.684E+01	1.320E+01	1.562E+01	2.298E+01	2.102E+01	1.980E+01
241	2.362E+02	2.136E+02	1.800E+02	2.179E+02	2.163E+02	2.168E+02	2.643E+02	2.370E+02	2.246E+02	2.592E+02	2.402E+02	2.603E+02	2.608E+02
242	1.274E+02	1.446E+02	1.550E+02	1.395E+02	1.288E+02	1.494E+02	1.327E+02	1.954E+02	1.655E+02	1.444E+02	1.958E+02	1.918E+02	1.513E+02
243	1.202E+01	1.383E+01	1.622E+01	1.240E+01	1.158E+01	1.347E+01	1.148E+01	1.752E+01	1.517E+01	1.227E+01	1.846E+01	1.777E+01	1.326E+01
244	7.666E+00	1.327E+01	8.047E+00	5.038E+00	1.483E+01	1.123E+01	3.453E+00	6.479E+00	8.969E+00	9.647E+00	7.533E+00	9.638E+00	1.063E+01
245	4.738E+00	6.163E+00	2.644E+00	3.293E+00	5.606E+00	4.566E+00	3.750E+00	4.292E+00	3.425E+00	6.275E+00	4.958E+00	5.947E+00	5.886E+00
246	8.272E+00	5.937E+00	3.693E+00	7.301E+00	5.237E+00	5.824E+00	7.425E+00	6.668E+00	4.521E+00	8.240E+00	6.475E+00	7.118E+00	1.064E+01

	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ
247	4.808E+00	3.903E+00	4.273E+00	5.348E+00	4.101E+00	4.774E+00	3.174E+00	4.606E+00	3.479E+00	4.764E+00	4.597E+00	4.422E+00	6.433E+00
248	8.077E+01	9.786E+01	1.123E+02	4.973E+01	8.185E+01	7.731E+01	4.342E+01	6.519E+01	7.686E+01	6.441E+01	9.277E+01	5.738E+01	1.159E+02
249	7.643E+01	6.405E+01	5.071E+01	4.664E+01	5.525E+01	5.988E+01	6.100E+01	7.672E+01	5.058E+01	6.479E+01	8.280E+01	5.839E+01	9.113E+01
250	1.491E+02	1.289E+02	7.514E+01	1.233E+02	1.162E+02	1.141E+02	1.361E+02	1.326E+02	1.037E+02	1.393E+02	1.336E+02	1.098E+02	1.603E+02
251	5.863E+01	4.308E+01	3.563E+01	6.222E+01	3.960E+01	4.616E+01	5.926E+01	6.636E+01	4.782E+01	5.046E+01	6.617E+01	5.449E+01	5.787E+01
252	4.019E+00	2.721E+00	2.633E+00	4.219E+00	2.551E+00	2.943E+00	3.424E+00	4.265E+00	3.084E+00	3.571E+00	4.551E+00	3.771E+00	3.779E+00
253	2.825E+00	6.162E+00	2.772E+00	2.190E+00	5.164E+00	3.819E+00	1.398E+00	3.064E+00	3.123E+00	4.334E+00	2.381E+00	3.350E+00	3.304E+00
254	6.259E+00	1.240E+01	7.686E+00	4.642E+00	1.181E+01	8.143E+00	4.017E+00	5.091E+00	7.159E+00	8.231E+00	7.598E+00	7.988E+00	8.538E+00
255	6.576E+00	9.363E+00	7.401E+00	4.532E+00	9.204E+00	8.021E+00	3.725E+00	4.948E+00	6.302E+00	8.082E+00	7.837E+00	7.854E+00	9.439E+00
256	3.057E+00	2.576E+00	2.197E+00	2.465E+00	2.561E+00	2.791E+00	2.608E+00	3.014E+00	2.208E+00	3.495E+00	3.498E+00	3.454E+00	5.615E+00
257	5.556E+00	4.302E+00	4.917E+00	5.467E+00	5.063E+00	5.293E+00	4.038E+00	5.573E+00	4.361E+00	5.943E+00	4.420E+00	5.389E+00	5.101E+00
258	1.915E+01	4.370E+01	2.466E+01	1.421E+01	2.684E+01	2.174E+01	1.038E+01	2.390E+01	1.890E+01	2.075E+01	2.995E+01	1.396E+01	3.086E+01
259	4.176E+01	5.411E+01	5.412E+01	3.008E+01	4.321E+01	4.046E+01	2.273E+01	3.516E+01	3.808E+01	3.477E+01	5.734E+01	2.524E+01	6.912E+01
260	3.498E+01	3.307E+01	3.061E+01	3.256E+01	3.084E+01	3.239E+01	2.847E+01	3.874E+01	3.211E+01	3.237E+01	4.360E+01	3.378E+01	4.350E+01
261	2.679E+01	2.795E+01	4.035E+01	4.099E+01	3.394E+01	3.292E+01	3.672E+01	3.013E+01	3.621E+01	3.279E+01	2.811E+01	3.839E+01	2.442E+01
262	1.503E+01	9.758E+00	1.299E+01	1.815E+01	1.201E+01	1.339E+01	1.505E+01	1.283E+01	1.349E+01	1.358E+01	1.362E+01	1.367E+01	1.147E+01
263	1.888E+00	4.050E+00	2.326E+00	1.723E+00	3.466E+00	2.594E+00	1.068E+00	2.037E+00	1.904E+00	3.151E+00	1.888E+00	2.041E+00	2.998E+00
264	2.552E+00	3.378E+00	2.079E+00	2.253E+00	2.778E+00	2.631E+00	2.551E+00	2.809E+00	2.300E+00	3.251E+00	2.613E+00	2.629E+00	4.297E+00
265	2.037E+00	2.217E+00	1.816E+00	1.696E+00	1.870E+00	2.100E+00	1.503E+00	2.020E+00	1.812E+00	2.385E+00	2.663E+00	2.568E+00	3.242E+00
266	3.087E+00	9.203E-01	1.117E+00	2.903E+00	8.333E-01	1.689E+00	3.330E+00	2.223E+00	1.826E+00	2.181E+00	2.918E+00	2.940E+00	3.110E+00
267	2.685E+00	1.005E+00	1.671E+00	3.296E+00	1.082E+00	1.663E+00	2.365E+00	1.881E+00	1.634E+00	2.104E+00	2.319E+00	2.530E+00	2.486E+00
268	6.142E+00	2.095E+01	1.325E+01	7.325E+00	1.257E+01	8.937E+00	1.979E+00	1.068E+01	8.744E+00	1.098E+01	7.977E+00	4.352E+00	1.244E+01
269	6.834E+00	9.321E+00	6.753E+00	7.157E+00	5.204E+00	7.293E+00	4.816E+00	1.024E+01	7.408E+00	7.475E+00	9.645E+00	6.262E+00	9.829E+00
270	3.844E+00	2.770E+00	2.454E+00	3.284E+00	1.837E+00	2.967E+00	2.945E+00	4.975E+00	2.976E+00	3.098E+00	6.359E+00	3.607E+00	5.032E+00
271	1.138E+01	1.379E+01	1.521E+01	1.399E+01	1.493E+01	1.730E+01	1.327E+01	1.399E+01	1.744E+01	1.388E+01	1.049E+01	1.390E+01	7.605E+00
272	7.234E+01	7.977E+01	1.170E+02	1.005E+02	1.125E+02	1.104E+02	9.889E+01	7.717E+01	1.132E+02	8.946E+01	5.628E+01	9.411E+01	5.079E+01
273	7.631E+01	8.314E+01	1.235E+02	9.695E+01	1.098E+02	1.154E+02	9.669E+01	7.652E+01	1.156E+02	9.848E+01	6.327E+01	1.047E+02	5.886E+01
274	1.280E+01	1.247E+01	2.378E+01	1.583E+01	1.789E+01	1.681E+01	1.425E+01	1.083E+01	1.641E+01	1.471E+01	9.051E+00	1.430E+01	8.728E+00
275	5.941E-01	4.948E-01	5.437E-01	1.190E+00	5.843E-01	5.672E-01	9.052E-01	5.730E-01	7.139E-01	7.207E-01	7.096E-01	6.175E-01	5.757E-01
276	5.673E+00	8.223E+00	1.053E+01	1.308E+01	8.807E+00	9.708E+00	1.307E+01	9.867E+00	1.097E+01	8.105E+00	8.430E+00	8.045E+00	4.419E+00
277	1.615E+01	1.877E+01	3.864E+01	3.763E+01	2.458E+01	2.281E+01	3.549E+01	1.899E+01	2.821E+01	1.826E+01	1.720E+01	1.818E+01	1.220E+01
278	1.594E+01	1.868E+01	3.858E+01	3.467E+01	2.241E+01	2.228E+01	3.367E+01	1.812E+01	2.673E+01	1.828E+01	1.741E+01	1.852E+01	1.234E+01
279	5.219E+00	5.585E+00	1.318E+01	9.798E+00	5.558E+00	5.278E+00	6.737E+00	7.012E+00	8.099E+00	4.258E+00	9.086E+00	5.007E+00	4.895E+00
280	7.925E+00	4.543E+00	3.824E+00	7.699E+00	4.534E+00	5.482E+00	9.372E+00	7.069E+00	6.036E+00	6.753E+00	7.911E+00	7.518E+00	5.948E+00
281	1.312E+02	1.227E+02	9.701E+01	1.118E+02	1.099E+02	1.084E+02	1.229E+02	1.190E+02	1.102E+02	1.279E+02	1.240E+02	1.330E+02	1.387E+02
282	1.113E+02	1.052E+02	8.395E+01	9.493E+01	9.753E+01	9.607E+01	1.042E+02	1.051E+02	9.536E+01	1.092E+02	1.076E+02	1.140E+02	1.185E+02
283	3.633E+01	4.502E+01	4.946E+01	3.694E+01	3.575E+01	4.211E+01	3.598E+01	5.848E+01	4.814E+01	3.952E+01	6.169E+01	5.711E+01	4.290E+01
284	7.215E+00	5.700E+00	5.795E+00	6.666E+00	6.768E+00	6.882E+00	4.066E+00	5.772E+00	4.615E+00	6.591E+00	4.411E+00	5.436E+00	6.581E+00
285	9.346E+01	8.366E+01	6.247E+01	8.309E+01	7.536E+01	6.983E+01	7.471E+01	7.471E+01	6.359E+01	8.517E+01	7.826E+01	6.887E+01	8.484E+01
286	6.916E+01	6.162E+01	5.088E+01	6.752E+01	6.072E+01	5.911E+01	5.924E+01	5.853E+01	5.383E+01	6.609E+01	6.132E+01	5.319E+01	6.586E+01
287	1.063E+01	7.917E+00	7.318E+00	1.093E+01	7.253E+00	8.486E+00	1.051E+01	1.203E+01	8.613E+00	8.901E+00	1.275E+01	9.820E+00	1.021E+01

	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ
288	4.729E+01	5.982E+01	8.304E+01	7.870E+01	6.915E+01	6.263E+01	6.759E+01	5.237E+01	7.015E+01	5.893E+01	4.675E+01	6.836E+01	4.296E+01
289	3.683E+01	4.567E+01	6.724E+01	6.267E+01	5.966E+01	5.125E+01	5.377E+01	4.148E+01	5.659E+01	4.823E+01	3.806E+01	5.461E+01	3.402E+01
290	2.147E+01	2.152E+01	2.727E+01	2.550E+01	2.493E+01	2.219E+01	1.784E+01	1.726E+01	2.152E+01	2.409E+01	1.987E+01	2.242E+01	1.604E+01
291	1.711E+01	1.725E+01	2.233E+01	2.514E+01	2.571E+01	2.288E+01	1.854E+01	1.787E+01	2.215E+01	1.946E+01	1.668E+01	1.861E+01	1.340E+01
292	2.863E+00	1.674E+00	2.178E+00	3.570E+00	2.385E+00	2.716E+00	3.318E+00	2.808E+00	2.775E+00	2.528E+00	2.942E+00	2.623E+00	2.473E+00
293	2.543E+00	5.043E-01	1.155E+00	3.148E+00	5.819E-01	1.562E+00	3.719E+00	2.259E+00	2.095E+00	1.439E+00	2.322E+00	1.876E+00	1.976E+00
294	2.164E+00	1.396E+00	1.203E+00	2.677E+00	2.057E+00	2.536E+00	3.677E+00	3.428E+00	2.667E+00	1.948E+00	3.502E+00	2.516E+00	2.957E+00
295	2.133E+00	1.408E+00	1.237E+00	2.696E+00	2.207E+00	2.494E+00	3.873E+00	3.351E+00	2.674E+00	1.938E+00	3.565E+00	2.543E+00	2.910E+00
296	1.087E+00	9.250E-01	8.695E-01	1.480E+00	1.215E+00	1.655E+00	1.834E+00	2.322E+00	1.818E+00	1.141E+00	2.715E+00	1.797E+00	1.642E+00
297	2.602E-01	2.347E-01	5.121E-01	4.493E-01	4.476E-01	4.599E-01	4.654E-01	3.037E-01	4.897E-01	2.502E-01	1.347E-01	2.444E-01	1.163E-01
298	1.598E-02	1.255E-02	3.733E-02	2.746E-02	1.828E-02	2.360E-02	2.832E-02	1.186E-02	2.188E-02	1.045E-02	4.848E-03	5.642E-03	3.754E-03
299	5.921E-02	5.771E-02	2.998E-01	2.880E-01	9.761E-02	1.109E-01	2.748E-01	1.068E-01	1.521E-01	6.264E-02	3.711E-02	5.771E-02	2.875E-02
300	4.269E-03	4.441E-03	2.488E-02	1.330E-02	5.556E-03	3.583E-03	9.868E-03	3.068E-03	6.500E-03	3.304E-03	4.376E-03	4.269E-03	1.255E-03
301	4.977E-02	5.149E-02	1.255E-01	1.418E-01	7.101E-02	6.157E-02	1.334E-01	6.972E-02	7.809E-02	4.913E-02	3.153E-02	4.870E-02	2.100E-02
302	1.040E-02	6.414E-03	9.975E-03	9.739E-03	7.144E-03	3.583E-03	7.229E-03	3.818E-03	1.182E-03	9.546E-03	2.049E-02	1.349E-02	1.725E-02
303	2.641E-01	2.181E-01	4.340E-01	3.943E-01	2.570E-01	2.130E-01	2.465E-01	2.544E-01	2.502E-01	2.544E-01	1.238E-01	2.092E-01	1.131E-01
304	2.982E-03	2.596E-03	4.441E-03	9.739E-03	8.731E-03	6.157E-03	5.921E-03	3.432E-03	5.921E-03	3.861E-03	1.251E-02	7.165E-03	1.098E-02
305	2.377E-01	2.698E-01	7.631E-01	6.655E-01	4.623E-01	3.824E-01	5.726E-01	3.542E-01	5.743E-01	3.370E-01	1.141E-01	4.023E-01	1.530E-01
306	2.446E-02	1.834E-02	7.551E-02	4.870E-02	3.025E-02	2.053E-02	2.767E-02	1.684E-02	4.205E-02	1.705E-02	6.264E-03	2.145E-02	9.718E-03
307	2.066E+00	1.665E+00	2.723E+00	1.806E+00	2.017E+00	1.690E+00	1.319E+00	1.677E+00	1.652E+00	1.732E+00	7.168E-01	1.418E+00	8.309E-01
308	3.711E-02	2.896E-02	5.964E-02	3.282E-02	3.647E-02	2.832E-02	1.841E-02	2.682E-02	3.668E-02	2.274E-02	1.111E-02	2.446E-02	1.270E-02
309	4.462E-03	3.818E-03	1.135E-02	4.441E-03	5.556E-03	3.583E-03	9.203E-03	3.432E-03	4.140E-03	4.033E-03	1.407E-03	2.381E-03	1.098E-03
310	2.982E-03	2.295E-03	2.617E-03	3.540E-03	3.969E-04	2.053E-03	6.564E-04	1.148E-03	2.360E-03	2.019E-03	9.375E-04	1.025E-03	1.098E-03
311	2.789E-03	1.223E-03	9.203E-04	8.860E-04	0.000E+00	5.127E-04	0.000E+00	3.818E-04	5.921E-04	1.100E-03	4.698E-04	0.000E+00	3.132E-04
312	7.444E-04	0.000E+00	1.534E-04	1.772E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.834E-04	1.564E-04	0.000E+00	3.132E-04
313	1.058E-01	1.154E-01	1.823E-01	2.137E-01	1.740E-01	1.504E-01	1.118E-01	6.586E-02	1.757E-01	1.639E-01	4.870E-02	1.261E-01	4.290E-02
314	4.655E-03	4.441E-03	6.757E-03	5.320E-03	7.551E-03	7.701E-03	7.229E-03	3.432E-03	5.921E-03	6.243E-03	2.338E-03	4.441E-03	1.255E-03
315	1.952E-02	2.682E-02	3.089E-02	3.625E-02	4.569E-02	2.574E-02	3.818E-02	1.491E-02	3.540E-02	3.540E-02	1.079E-02	2.360E-02	7.680E-03
316	3.711E-04	1.070E-03	1.075E-03	3.540E-03	1.191E-03	5.127E-04	2.639E-03	3.818E-04	1.182E-03	1.285E-03	1.564E-04	1.708E-04	6.264E-04
317	1.746E-02	2.467E-02	2.703E-02	2.832E-02	3.690E-02	2.403E-02	3.025E-02	1.875E-02	3.132E-02	2.467E-02	1.251E-02	1.828E-02	7.680E-03
318	7.444E-04	1.377E-03	1.995E-03	2.660E-03	1.590E-03	3.089E-03	2.639E-03	3.818E-04	2.360E-03	1.652E-03	2.188E-03	5.127E-04	7.830E-04
319	1.609E-01	2.266E-01	1.984E-01	2.667E-01	2.765E-01	2.134E-01	1.570E-01	1.231E-01	2.330E-01	2.596E-01	1.058E-01	1.517E-01	7.079E-02
320	1.858E-04	7.637E-04	1.382E-03	1.772E-03	3.969E-04	1.540E-03	0.000E+00	0.000E+00	5.921E-04	1.467E-03	0.000E+00	8.538E-04	1.568E-04
321	1.075E-01	1.823E-01	2.167E-01	3.039E-01	2.109E-01	1.847E-01	1.643E-01	9.975E-02	2.077E-01	1.959E-01	6.114E-02	1.560E-01	5.814E-02
322	4.655E-03	7.337E-03	8.431E-03	4.441E-03	9.139E-03	6.672E-03	7.894E-03	4.591E-03	7.101E-03	4.762E-03	1.720E-03	4.784E-03	2.038E-03
323	1.963E-01	2.673E-01	2.556E-01	3.465E-01	3.086E-01	2.946E-01	1.538E-01	1.656E-01	3.052E-01	2.718E-01	1.077E-01	1.815E-01	1.004E-01
324	5.578E-03	9.332E-03	1.075E-02	1.330E-02	1.111E-02	7.186E-03	3.282E-03	4.977E-03	1.064E-02	7.701E-03	3.282E-03	6.500E-03	3.604E-03
325	8.924E-03	9.031E-03	1.043E-02	1.772E-02	5.170E-03	3.583E-03	7.229E-03	4.205E-03	3.540E-03	1.285E-02	3.432E-03	3.583E-03	4.548E-03
326	1.302E-03	1.377E-03	1.227E-03	2.660E-03	7.937E-04	5.127E-04	1.971E-03	7.658E-04	0.000E+00	1.834E-03	3.132E-04	1.025E-03	6.264E-04
327	6.693E-03	1.133E-02	1.718E-02	9.739E-03	9.932E-03	6.157E-03	9.868E-03	4.977E-03	6.500E-03	1.467E-02	5.320E-03	7.337E-03	5.492E-03
328	1.673E-03	1.223E-03	1.688E-03	6.200E-03	0.000E+00	2.574E-03	6.564E-04	3.818E-04	5.921E-04	1.652E-03	3.132E-04	6.822E-04	7.830E-04

	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ
329	4.028E-01	4.736E-01	5.931E-01	6.141E-01	6.522E-01	6.647E-01	4.188E-01	2.276E-01	4.832E-01	4.714E-01	1.705E-01	3.816E-01	1.369E-01
330	5.020E-03	5.191E-03	8.431E-03	6.200E-03	5.556E-03	5.642E-03	2.639E-03	2.295E-03	2.960E-03	4.762E-03	2.660E-03	5.985E-03	1.881E-03
331	3.218E-02	3.068E-02	4.462E-02	5.663E-02	3.540E-02	2.510E-02	1.971E-02	9.568E-03	3.025E-02	3.990E-02	1.032E-02	1.999E-02	1.238E-02
332	1.116E-03	6.114E-04	1.841E-03	8.860E-04	0.000E+00	5.127E-04	1.315E-03	0.000E+00	0.000E+00	5.513E-04	4.698E-04	5.127E-04	7.830E-04
333	1.914E-02	1.652E-02	3.518E-02	2.746E-02	1.787E-02	1.283E-02	2.038E-02	7.272E-03	1.242E-02	2.338E-02	9.224E-03	1.349E-02	8.152E-03
334	0.000E+00	0.000E+00	3.068E-04	2.660E-03	3.969E-04	0.000E+00	1.971E-03	3.818E-04	0.000E+00	3.668E-04	0.000E+00	5.127E-04	9.396E-04
335	4.462E-02	4.870E-02	5.620E-02	7.894E-02	5.728E-02	4.205E-02	3.818E-02	1.759E-02	3.840E-02	5.213E-02	2.111E-02	3.475E-02	1.317E-02
336	2.231E-03	2.295E-03	3.990E-03	4.441E-03	2.789E-03	4.612E-03	1.971E-03	7.658E-04	3.540E-03	3.861E-03	2.188E-03	4.269E-03	3.604E-03
337	7.337E-02	8.667E-02	1.058E-01	1.392E-01	1.302E-01	1.165E-01	8.881E-02	4.162E-02	8.388E-02	8.667E-02	3.261E-02	7.337E-02	2.467E-02
338	1.487E-03	9.182E-04	2.446E-03	2.660E-03	1.986E-03	1.540E-03	1.971E-03	1.148E-03	4.741E-03	2.019E-03	1.251E-03	5.127E-04	4.698E-04
339	5.170E-02	5.213E-02	6.436E-02	6.736E-02	6.350E-02	4.312E-02	2.488E-02	1.798E-02	2.960E-02	6.135E-02	1.969E-02	3.540E-02	1.772E-02
340	2.789E-03	2.446E-03	2.917E-03	6.200E-03	4.762E-03	2.574E-03	3.947E-03	2.295E-03	1.774E-03	3.304E-03	1.251E-03	1.708E-03	7.830E-04
341	3.904E-03	3.368E-03	6.757E-03	1.418E-02	2.381E-03	6.157E-03	1.971E-03	7.658E-04	4.140E-03	5.513E-03	2.034E-03	2.553E-03	2.982E-03
342	7.444E-04	7.637E-04	4.612E-04	0.000E+00	7.937E-04	1.028E-03	0.000E+00	7.658E-04	0.000E+00	1.467E-03	3.132E-04	1.708E-04	6.264E-04
343	5.020E-03	5.964E-03	1.043E-02	3.540E-03	3.969E-03	2.574E-03	3.947E-03	3.818E-03	7.101E-03	6.243E-03	3.282E-03	5.814E-03	2.360E-03
344	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.969E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.834E-04	0.000E+00	1.708E-04	1.568E-04

	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU
1	**14676**	**14641**	**13814**	**13821**	**14630**	**14195**	**13768**	**14629**	**14627**	**13800**	**13620**
2	**Late Malignant**	**Late Malignant**	**Benign**	**Benign**	**Early Malignant**	**Late Malignant**	**Benign**	**Late Malignant**	**Late Malignant**	**Benign**	**Late Malignant**
3	3	3	1	1	2	3	1	3	3	1	3
4	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
5	1.333E+00	8.104E-01	1.367E+00	2.164E+00	1.511E+00	1.507E+00	1.664E+00	1.305E+00	1.394E+00	1.973E+00	1.283E+00
6	3.315E-01	2.940E-01	2.972E-01	4.270E-01	4.989E-01	5.172E-01	4.592E-01	4.324E-01	4.217E-01	3.702E-01	2.446E-01
7	1.845E-01	1.212E-01	1.277E-01	1.749E-01	1.727E-01	1.631E-01	1.985E-01	1.685E-01	1.642E-01	1.524E-01	1.781E-01
8	6.813E-01	5.247E-01	1.582E+00	2.274E+00	1.855E+00	1.951E+00	6.459E-01	9.004E-01	1.216E+00	2.098E+00	6.789E-01
9	2.328E-02	1.180E-02	4.367E-02	3.197E-02	1.996E-02	1.674E-02	2.382E-02	1.298E-02	1.255E-02	1.996E-02	1.921E-02
10	1.116E-02	5.612E-03	7.532E-03	5.225E-03	3.219E-03	6.298E-03	8.927E-03	1.148E-02	7.994E-03	7.983E-03	7.822E-03
11	9.002E-03	3.369E-03	6.030E-03	3.262E-03	4.506E-03	5.590E-03	7.736E-03	8.616E-03	7.994E-03	7.189E-03	6.009E-03
12	4.764E-03	7.296E-03	1.055E-02	9.142E-03	3.863E-03	6.298E-03	2.972E-03	6.223E-03	1.137E-02	8.788E-03	5.408E-03
13	1.481E-02	1.010E-02	1.427E-02	2.092E-02	1.159E-02	2.446E-02	8.337E-03	6.706E-03	1.255E-02	2.082E-02	1.749E-02
14	4.131E-02	3.755E-02	5.880E-02	4.700E-02	6.695E-02	7.200E-02	5.837E-02	4.313E-02	4.624E-02	6.395E-02	4.270E-02
15	5.826E-03	3.369E-03	7.532E-04	1.309E-03	2.575E-03	1.116E-02	4.163E-03	2.393E-03	3.423E-03	7.983E-03	4.206E-03
16	0.000E+00	1.685E-03	3.015E-03	1.309E-03	0.000E+00	6.996E-04	1.191E-03	1.438E-03	5.708E-04	7.983E-04	2.403E-03
17	5.300E-02	7.350E-02	2.489E-02	1.309E-02	1.159E-02	1.395E-02	2.146E-02	1.298E-02	1.255E-02	1.277E-02	1.023E-02
18	1.620E-01	2.382E-01	8.659E-02	5.161E-02	3.090E-02	3.777E-02	6.545E-02	2.393E-02	4.742E-02	5.193E-02	3.970E-02
19	1.159E-01	1.384E-01	9.421E-02	1.277E-01	1.029E-01	8.112E-02	1.116E-01	6.652E-02	9.871E-02	1.039E-01	7.575E-02
20	0.000E+00	2.242E-03	0.000E+00	3.262E-03	6.438E-04	2.103E-03	1.781E-03	0.000E+00	0.000E+00	7.983E-04	0.000E+00
21	5.826E-03	1.738E-02	6.781E-03	2.092E-02	3.219E-03	1.049E-02	1.781E-02	3.348E-03	1.202E-02	1.202E-02	1.023E-02
22	3.712E-03	5.612E-04	5.279E-03	3.262E-03	1.931E-03	2.800E-03	2.382E-03	1.438E-03	1.137E-03	1.599E-03	1.803E-03
23	2.543E-02	2.747E-02	3.916E-02	3.069E-02	5.150E-02	4.056E-02	4.163E-02	2.103E-02	4.335E-02	4.238E-02	2.403E-02
24	1.513E-01	1.964E-01	8.358E-02	6.524E-02	5.794E-02	4.335E-02	8.927E-02	5.365E-02	8.616E-02	6.234E-02	7.275E-02
25	1.223E-02	7.854E-03	9.796E-03	1.170E-02	1.803E-02	8.391E-03	1.545E-02	1.298E-02	1.202E-02	1.277E-02	6.009E-03
26	1.749E-02	8.970E-03	2.940E-02	1.373E-02	2.189E-02	1.674E-02	1.727E-02	1.341E-02	1.481E-02	2.800E-02	1.084E-02
27	9.002E-03	1.685E-03	8.283E-03	6.524E-04	2.575E-03	2.800E-03	3.573E-03	3.348E-03	3.423E-03	3.991E-03	2.403E-03
28	2.017E-02	2.242E-02	2.414E-02	1.170E-02	2.382E-02	1.534E-02	2.564E-02	2.157E-02	2.167E-02	7.189E-03	2.103E-02
29	2.543E-02	3.026E-02	3.391E-02	3.455E-02	2.060E-02	3.079E-02	3.036E-02	1.964E-02	3.251E-02	2.639E-02	2.403E-02
30	1.127E-01	1.298E-01	7.682E-02	6.395E-02	5.086E-02	5.247E-02	6.964E-02	5.408E-02	7.768E-02	4.388E-02	9.378E-02
31	5.880E-02	8.133E-02	6.030E-02	4.174E-02	4.120E-02	5.590E-02	5.601E-02	2.779E-02	4.850E-02	5.193E-02	5.536E-02
32	4.238E-02	2.865E-02	5.655E-02	6.266E-02	4.635E-02	4.968E-02	2.972E-02	2.103E-02	6.223E-02	4.796E-02	2.951E-02
33	1.170E-02	7.296E-03	1.427E-02	1.695E-02	1.223E-02	1.191E-02	1.012E-02	9.582E-03	1.652E-02	6.395E-03	8.423E-03
34	3.047E-01	2.157E-01	7.350E-01	7.704E-01	4.592E-01	5.182E-01	3.938E-01	2.865E-01	3.938E-01	8.330E-01	4.292E-01
35	1.059E-01	5.268E-02	7.532E-02	4.378E-02	7.339E-02	8.530E-02	5.483E-02	7.039E-02	1.033E-01	8.788E-02	7.639E-02
36	4.238E-03	7.296E-03	8.283E-03	4.571E-03	4.506E-03	2.800E-03	3.573E-03	3.348E-03	3.423E-03	4.796E-03	1.202E-03
37	1.534E-02	1.127E-02	1.427E-02	1.567E-02	1.029E-02	1.674E-02	1.609E-02	7.661E-03	1.137E-02	1.513E-02	1.084E-02
38	1.481E-02	1.180E-02	3.015E-02	3.197E-02	1.352E-02	2.028E-02	2.972E-03	6.223E-03	1.888E-02	2.715E-02	1.867E-02
39	5.773E-02	4.313E-02	5.429E-02	4.378E-02	8.423E-02	7.618E-02	8.155E-02	8.476E-02	3.820E-02	3.991E-02	3.670E-02
40	1.620E-01	1.277E-01	1.127E-01	1.050E-01	6.953E-02	1.094E-01	1.481E-01	1.127E-01	1.631E-01	7.586E-02	1.459E-01
41	3.015E-02	1.631E-02	2.114E-02	2.876E-02	1.288E-02	1.888E-02	1.910E-02	1.005E-02	3.251E-02	1.996E-02	2.049E-02

	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU
42	1.588E-03	5.612E-04	4.517E-03	2.607E-03	1.931E-03	0.000E+00	5.955E-04	4.785E-04	1.137E-03	3.197E-03	0.000E+00
43	5.324E-03	4.707E-03	1.245E-02	1.690E-02	1.157E-02	1.577E-02	3.704E-03	6.198E-03	4.115E-03	1.111E-02	7.922E-03
44	2.573E-01	1.928E-01	6.882E-01	6.608E-01	5.373E-01	5.892E-01	3.094E-01	2.653E-01	3.341E-01	9.404E-01	3.521E-01
45	8.436E-02	8.899E-02	2.058E-01	2.081E-01	2.316E-01	2.301E-01	1.070E-01	1.062E-01	1.075E-01	2.510E-01	9.028E-02
46	9.953E-02	7.613E-02	2.252E-01	2.101E-01	2.219E-01	1.703E-01	7.896E-02	1.127E-01	9.696E-02	1.681E-01	1.114E-01
47	1.919E-01	1.608E-01	5.620E-01	5.130E-01	3.817E-01	4.987E-01	1.959E-01	1.877E-01	2.986E-01	7.850E-01	2.348E-01
48	3.112E-02	1.587E-02	4.475E-02	4.192E-02	7.793E-02	3.601E-02	2.572E-02	2.983E-02	2.135E-02	5.941E-02	1.700E-02
49	9.388E-03	8.333E-03	3.498E-02	2.623E-02	2.343E-02	2.549E-02	1.070E-02	1.217E-02	1.397E-02	3.524E-02	1.152E-02
50	2.675E-03	3.215E-03	1.011E-02	6.404E-03	8.024E-03	8.050E-03	2.701E-03	3.549E-03	3.421E-03	7.459E-03	2.726E-03
51	2.209E-01	2.129E-01	1.731E-01	1.319E-01	9.490E-02	1.404E-01	1.461E-01	1.371E-01	1.415E-01	6.173E-02	2.841E-01
52	3.292E-03	1.883E-03	5.967E-03	4.372E-03	1.852E-03	6.533E-03	1.713E-03	2.526E-03	1.641E-03	3.061E-03	2.726E-03
53	4.295E-02	3.601E-02	1.119E-01	1.109E-01	6.816E-02	6.944E-02	5.864E-02	3.961E-02	6.378E-02	1.237E-01	6.070E-02
54	4.764E+00	6.455E+00	4.073E+00	3.989E+00	4.304E+00	3.626E+00	6.014E+00	5.482E+00	5.407E+00	3.391E+00	4.299E+00
55	7.671E-01	7.104E-01	5.792E-01	4.645E-01	4.645E-01	4.569E-01	6.553E-01	6.070E-01	6.029E-01	3.448E-01	9.436E-01
56	1.476E-01	2.002E-01	1.430E-01	1.643E-01	1.685E-01	1.466E-01	2.146E-01	1.806E-01	1.849E-01	1.314E-01	1.287E-01
57	4.550E+00	4.408E+00	3.463E+00	2.715E+00	3.011E+00	2.471E+00	4.150E+00	3.716E+00	3.718E+00	2.040E+00	5.392E+00
58	5.993E-02	5.890E-02	1.024E-01	7.639E-02	8.436E-02	5.247E-02	4.707E-02	5.272E-02	4.784E-02	6.533E-02	5.272E-02
59	7.356E-02	6.584E-02	5.838E-02	4.578E-02	3.832E-02	3.446E-02	6.173E-02	5.915E-02	6.456E-02	3.472E-02	7.484E-02
60	2.045E-02	1.896E-02	4.630E-02	4.887E-02	3.112E-02	4.347E-02	2.454E-02	2.148E-02	3.292E-02	6.739E-02	2.675E-02
61	2.610E+00	1.206E+00	9.873E-01	8.681E-01	1.972E+00	8.052E-01	2.039E+00	2.486E+00	1.162E+00	7.664E-01	8.883E-01
62	2.203E-01	4.104E-01	2.696E-01	4.241E-01	3.450E-01	4.179E-01	3.862E-01	2.890E-01	3.849E-01	2.818E-01	3.360E-01
63	2.045E-02	1.209E-02	1.337E-02	1.268E-02	3.061E-02	1.124E-02	1.456E-02	1.790E-02	1.314E-02	1.800E-02	1.008E-02
64	1.656E+00	2.733E+00	1.509E+00	2.038E+00	1.403E+00	1.925E+00	2.012E+00	1.909E+00	2.602E+00	1.309E+00	1.791E+00
65	9.413E-02	1.317E-01	1.232E-01	1.571E-01	1.335E-01	1.512E-01	9.362E-02	1.034E-01	1.348E-01	1.551E-01	9.362E-02
66	5.362E-01	5.976E-01	4.269E-01	5.011E-01	3.402E-01	4.323E-01	3.987E-01	4.024E-01	6.077E-01	2.443E-01	6.669E-01
67	6.198E-02	5.967E-02	1.235E-01	1.237E-01	1.039E-01	1.034E-01	5.015E-02	5.195E-02	6.301E-02	9.156E-02	6.430E-02
68	6.944E-02	8.256E-02	2.042E-01	2.564E-01	1.160E-01	2.234E-01	9.388E-02	7.870E-02	1.554E-01	2.843E-01	1.340E-01
69	9.301E-01	4.399E-01	3.644E-01	4.075E-01	6.605E-01	3.703E-01	7.113E-01	9.011E-01	5.517E-01	3.157E-01	3.766E-01
70	5.401E-02	3.061E-02	4.115E-02	4.527E-02	7.742E-02	5.658E-02	3.421E-02	4.192E-02	3.678E-02	5.401E-02	2.451E-02
71	7.870E-03	8.616E-03	1.824E-02	1.878E-02	1.620E-02	1.759E-02	9.413E-03	6.996E-03	1.217E-02	1.973E-02	6.919E-03
72	3.163E-03	2.701E-03	3.421E-03	4.218E-03	4.167E-03	3.678E-03	3.421E-03	4.012E-03	2.464E-03	5.555E-03	1.875E-03
73	6.682E-03	1.354E-02	7.923E-03	4.120E-03	2.709E-03	2.946E-03	4.379E-03	1.008E-03	2.404E-03	2.517E-03	1.264E-03
74	3.115E-02	2.415E-02	7.133E-03	8.239E-03	1.151E-02	1.104E-02	1.321E-02	4.029E-03	8.409E-03	1.093E-02	1.012E-02
75	1.309E-01	1.433E-01	7.370E-02	3.984E-02	3.792E-02	7.133E-02	6.264E-02	6.242E-02	7.506E-02	6.637E-02	6.005E-02
76	6.072E-02	6.309E-02	9.752E-02	4.391E-02	3.657E-02	9.492E-02	6.196E-02	5.847E-02	1.433E-01	1.230E-01	1.219E-01
77	7.799E-03	3.544E-03	9.515E-03	2.054E-03	4.063E-03	1.467E-02	3.126E-03	5.542E-03	1.321E-02	8.397E-03	4.424E-03
78	5.576E-04	0.000E+00	0.000E+00	6.862E-04	2.032E-03	0.000E+00	0.000E+00	2.020E-03	1.196E-03	8.397E-04	1.896E-03
79	1.693E-01	1.749E-01	4.199E-02	1.716E-02	1.015E-02	9.560E-03	4.639E-02	1.411E-02	2.336E-02	1.591E-02	2.212E-02
80	1.614E-02	1.591E-02	4.752E-03	2.054E-03	1.354E-03	7.359E-04	4.379E-03	2.517E-03	4.808E-03	2.517E-03	6.321E-03
81	3.228E-01	3.442E-01	8.397E-02	5.835E-02	3.995E-02	3.600E-02	1.008E-01	4.131E-02	4.740E-02	4.537E-02	4.876E-02
82	1.693E-01	1.490E-01	5.305E-02	2.675E-02	1.082E-02	1.104E-02	5.135E-02	1.108E-02	2.460E-02	1.264E-02	1.840E-02

	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU
83	2.731E-02	3.420E-02	4.752E-03	4.808E-03	4.740E-03	2.946E-03	1.501E-02	6.546E-03	6.005E-03	3.363E-03	2.528E-03
84	1.727E-02	1.003E-02	1.907E-02	1.986E-02	1.625E-02	3.307E-02	6.264E-03	9.571E-03	1.020E-02	3.273E-02	1.648E-02
85	3.341E-03	7.077E-03	3.172E-03	3.431E-03	4.740E-03	2.946E-03	3.126E-03	1.008E-03	6.603E-03	5.880E-03	5.056E-03
86	1.558E-02	2.302E-02	8.713E-03	9.616E-03	1.219E-02	1.321E-02	8.770E-03	9.571E-03	1.738E-02	1.851E-02	1.388E-02
87	4.063E-02	3.657E-02	5.068E-02	2.540E-02	1.558E-02	3.386E-02	3.442E-02	1.512E-02	3.059E-02	3.273E-02	3.352E-02
88	7.246E-03	1.772E-03	7.133E-03	2.054E-03	4.063E-03	1.467E-03	1.253E-03	5.034E-03	4.808E-03	5.045E-03	8.860E-03
89	1.174E-02	1.411E-02	1.738E-02	1.377E-02	1.015E-02	2.506E-02	5.632E-03	1.456E-02	2.878E-02	2.438E-02	2.212E-02
90	2.788E-02	3.781E-02	4.752E-02	1.445E-02	3.521E-02	8.533E-02	1.749E-02	2.777E-02	7.506E-02	5.293E-02	3.420E-02
91	7.246E-03	8.262E-03	7.133E-03	2.743E-03	1.082E-02	8.826E-03	5.011E-03	3.521E-03	9.605E-03	7.562E-03	6.953E-03
92	1.332E-02	1.828E-02	1.907E-02	8.239E-03	1.693E-02	2.427E-02	1.185E-02	9.063E-03	1.682E-02	2.020E-02	1.772E-02
93	3.341E-03	1.003E-02	9.515E-03	2.054E-03	6.095E-03	9.560E-03	4.379E-03	4.029E-03	2.404E-03	7.562E-03	1.140E-02
94	5.576E-04	4.718E-03	7.923E-04	6.862E-04	2.032E-03	7.359E-04	6.264E-04	5.034E-04	4.808E-03	2.517E-03	6.321E-04
95	1.953E-02	1.003E-02	1.030E-02	9.616E-03	8.792E-03	1.840E-02	7.517E-03	1.366E-02	2.765E-02	8.397E-03	1.264E-02
96	1.174E-02	5.903E-03	6.343E-03	2.743E-03	4.740E-03	6.625E-03	8.138E-03	6.050E-03	1.501E-02	5.045E-03	6.953E-03
97	3.905E-03	5.305E-03	4.752E-03	6.862E-03	4.063E-03	1.104E-02	2.506E-03	4.537E-03	9.605E-03	9.244E-03	3.792E-03
98	1.558E-02	1.354E-02	1.986E-02	7.551E-03	1.354E-02	2.133E-02	1.625E-02	8.567E-03	1.862E-02	2.020E-02	1.456E-02
99	4.537E-02	5.960E-02	6.720E-02	1.655E-01	1.410E-01	1.349E-01	9.393E-02	7.995E-02	6.070E-02	1.484E-01	5.567E-02
100	3.814E-02	2.367E-02	2.673E-02	5.812E-02	3.532E-02	5.359E-02	2.587E-02	2.735E-02	3.458E-02	5.837E-02	4.402E-02
101	1.533E-01	1.198E-01	1.102E-01	1.643E-01	1.312E-01	1.300E-01	1.803E-01	1.508E-01	1.582E-01	1.606E-01	1.410E-01
102	7.382E-01	7.153E-01	1.347E+00	1.167E+00	1.120E+00	1.474E+00	6.352E-01	6.426E-01	9.290E-01	1.692E+00	8.748E-01
103	2.170E-01	1.754E-01	1.594E-01	1.741E-01	1.680E-01	1.410E-01	2.575E-01	2.367E-01	2.097E-01	2.097E-01	1.913E-01
104	2.416E-01	2.367E-01	4.059E-01	4.365E-01	3.679E-01	4.598E-01	2.342E-01	2.403E-01	2.906E-01	4.880E-01	2.489E-01
105	1.096E+00	1.017E+00	1.948E+00	1.502E+00	1.654E+00	2.051E+00	1.116E+00	9.781E-01	1.397E+00	2.486E+00	1.596E+00
106	8.596E-02	8.265E-02	1.471E-01	1.754E-01	1.937E-01	2.170E-01	1.177E-01	1.386E-01	1.057E-01	1.594E-01	1.410E-01
107	8.289E-02	1.212E-01	1.137E-01	1.778E-01	1.447E-01	1.386E-01	9.724E-02	7.885E-02	9.001E-02	1.717E-01	1.386E-01
108	1.373E-01	1.198E-01	1.337E-01	2.207E-01	1.754E-01	1.655E-01	1.386E-01	1.606E-01	1.422E-01	1.901E-01	1.386E-01
109	1.210E-02	3.850E-03	8.608E-03	8.204E-03	2.207E-03	7.198E-03	4.083E-03	3.826E-03	4.562E-03	6.389E-03	4.807E-03
110	2.121E-02	1.925E-02	8.608E-03	1.045E-02	4.414E-03	1.039E-02	1.839E-02	1.803E-02	1.631E-02	4.562E-03	2.477E-02
111	1.570E-02	1.218E-02	6.033E-03	7.456E-03	1.029E-02	7.198E-03	2.183E-02	1.373E-02	1.888E-02	7.308E-03	2.747E-02
112	1.508E-02	9.614E-03	3.446E-03	4.476E-03	4.414E-03	2.403E-03	1.225E-02	1.533E-02	1.109E-02	2.735E-03	2.195E-02
113	8.473E-03	1.925E-03	5.162E-03	3.728E-03	2.207E-03	7.995E-04	2.036E-03	1.643E-03	2.612E-03	3.654E-03	6.867E-03
114	8.473E-03	4.488E-03	9.467E-03	6.708E-03	2.207E-03	1.118E-02	1.020E-02	1.040E-02	3.262E-03	6.389E-03	8.240E-03
115	8.473E-03	5.126E-03	3.446E-03	8.204E-03	4.414E-03	2.403E-03	8.841E-03	6.021E-03	5.874E-03	1.827E-03	1.447E-02
116	3.630E-03	2.563E-03	3.446E-03	1.496E-03	7.357E-04	1.594E-03	1.361E-03	4.378E-03	2.612E-03	1.827E-03	6.180E-03
117	1.150E-02	7.051E-03	6.891E-03	5.972E-03	2.207E-03	5.592E-03	1.020E-02	1.040E-02	9.785E-03	9.123E-03	9.626E-03
118	3.630E-03	4.488E-03	5.162E-03	8.952E-03	1.471E-03	4.795E-03	7.480E-03	8.216E-03	5.874E-03	9.123E-04	8.939E-03
119	1.029E-02	3.200E-03	6.033E-03	1.496E-03	5.886E-03	3.200E-03	1.225E-02	6.021E-03	7.174E-03	2.735E-03	8.939E-03
120	9.687E-03	1.090E-02	9.467E-03	0.000E+00	2.943E-03	3.200E-03	7.480E-03	9.847E-03	7.174E-03	8.216E-03	1.582E-02
121	2.654E-02	4.016E-02	1.624E-02	5.138E-02	2.760E-02	5.503E-02	2.556E-02	2.395E-02	2.449E-02	3.428E-02	2.582E-02
122	9.083E-02	8.424E-02	1.184E-01	1.585E-01	1.149E-01	9.528E-02	8.094E-02	7.195E-02	9.350E-02	4.568E-02	1.291E-01
123	3.206E+00	2.627E+00	2.182E+00	2.930E+00	1.158E+00	1.309E+00	1.701E+00	1.754E+00	2.271E+00	1.612E+00	3.384E+00

	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU
124	3.411E-02	4.016E-02	3.232E-02	2.805E-02	3.224E-02	3.001E-02	3.411E-02	3.081E-02	3.268E-02	2.858E-02	1.719E-02
125	2.271E-02	1.603E-02	5.387E-02	5.138E-02	3.687E-02	1.104E-01	2.556E-02	4.800E-02	1.630E-02	8.575E-02	8.602E-03
126	2.012E-01	3.535E-01	2.369E-01	3.918E-01	3.544E-01	4.354E-01	2.600E-01	3.259E-01	2.289E-01	3.713E-01	1.674E-01
127	8.905E-01	1.033E+00	6.794E-01	1.184E+00	1.024E+00	1.077E+00	7.792E-01	9.528E-01	9.439E-01	7.996E-01	8.994E-01
128	2.725E+00	2.386E+00	1.799E+00	1.585E+00	9.083E-01	9.528E-01	9.261E-01	1.389E+00	1.683E+00	9.172E-01	2.663E+00
129	4.550E-02	6.821E-02	5.387E-02	3.268E-02	3.687E-02	3.998E-02	2.983E-02	5.824E-02	3.678E-02	3.428E-02	2.582E-02
130	3.330E+00	3.099E+00	2.600E+00	4.301E+00	8.648E+00	4.470E+00	4.381E+00	6.767E+00	2.431E+00	5.554E+00	2.137E+00
131	2.609E+00	2.760E+00	4.292E+00	4.479E+00	6.118E+00	4.069E+00	3.829E+00	5.761E+00	2.422E+00	3.767E+00	1.656E+00
132	1.095E-01	3.206E-02	7.542E-02	1.167E-01	5.984E-02	8.994E-02	4.256E-02	7.195E-02	8.575E-02	1.140E-01	6.456E-02
133	1.897E-02	2.404E-02	0.000E+00	2.333E-02	1.380E-02	2.502E-02	2.556E-02	1.710E-02	1.630E-02	3.998E-02	8.602E-03
134	4.924E-02	8.023E-03	1.621E-02	5.601E-02	1.380E-02	3.500E-02	2.983E-02	1.024E-02	4.898E-02	2.858E-02	3.010E-02
135	1.514E-02	8.023E-03	1.621E-02	3.268E-02	9.172E-03	9.973E-03	2.128E-02	1.371E-02	8.166E-03	2.289E-02	1.719E-02
136	1.514E-02	1.603E-02	1.077E-02	1.398E-02	1.380E-02	3.001E-02	8.522E-03	6.857E-03	2.449E-02	2.858E-02	2.155E-02
137	7.578E-02	8.825E-02	7.542E-02	6.536E-02	1.015E-01	7.507E-02	2.983E-02	7.195E-02	7.355E-02	8.575E-02	5.165E-02
138	2.654E-02	4.016E-02	1.077E-02	1.398E-02	1.843E-02	2.502E-02	1.701E-02	1.710E-02	1.229E-02	1.719E-02	1.380E-01
139	2.956E-01	4.337E-01	1.131E-01	9.350E-02	7.364E-02	1.247E-01	1.487E-01	1.710E-01	1.719E-01	1.033E-01	1.932E-01
140	2.235E-01	2.449E-01	1.131E-01	7.008E-02	3.687E-02	7.008E-02	8.522E-02	1.264E-01	1.549E-01	8.575E-02	2.191E-01
141	6.821E-02	4.016E-02	9.172E-02	7.471E-02	8.281E-02	7.008E-02	4.684E-02	5.485E-02	7.355E-02	5.147E-02	6.456E-02
142	1.140E-02	1.202E-02	0.000E+00	9.350E-03	9.172E-03	5.004E-03	1.282E-02	1.024E-02	2.449E-02	1.719E-02	4.728E-02
143	1.514E-02	4.016E-03	3.232E-02	1.870E-02	9.172E-03	3.001E-02	1.701E-02	1.710E-02	2.039E-02	3.998E-02	8.602E-03
144	2.654E-02	2.404E-02	2.155E-02	2.333E-02	2.297E-02	3.500E-02	0.000E+00	4.800E-02	7.355E-02	1.719E-02	3.874E-02
145	1.140E-02	3.615E-02	0.000E+00	2.333E-02	9.172E-03	3.500E-02	1.282E-02	1.710E-02	2.039E-02	2.289E-02	3.437E-02
146	4.889E-01	3.491E-01	1.345E-01	1.264E-01	2.075E-01	1.104E-01	1.532E-01	2.983E-01	2.618E-01	8.575E-02	1.852E-01
147	1.362E-01	1.327E-01	9.172E-02	7.008E-02	5.984E-02	7.008E-02	8.094E-02	1.264E-01	1.264E-01	4.568E-02	6.456E-02
148	2.654E-01	6.661E-01	2.155E-01	2.894E-01	1.469E-01	2.048E-01	2.769E-01	2.395E-01	3.108E-01	1.603E-01	3.571E-01
149	7.578E-02	1.327E-01	7.008E-02	6.536E-02	4.604E-02	9.973E-02	2.128E-02	4.452E-02	7.355E-02	2.289E-02	8.175E-02
150	4.550E-02	8.023E-02	5.387E-03	9.350E-03	2.297E-02	2.502E-02	2.556E-02	3.767E-02	4.898E-02	5.147E-02	3.874E-02
151	4.167E-02	3.206E-02	0.000E+00	1.870E-02	1.380E-02	1.505E-02	2.556E-02	2.395E-02	1.630E-02	6.287E-02	2.582E-02
152	1.514E-02	8.023E-03	2.155E-02	3.731E-02	4.604E-02	9.973E-03	3.838E-02	2.395E-02	3.678E-02	2.858E-02	8.602E-03
153	3.793E-03	2.404E-02	2.155E-02	1.398E-02	1.380E-02	1.505E-02	2.128E-02	1.371E-02	8.166E-03	3.428E-02	3.010E-02
154	1.897E-02	1.202E-02	3.776E-02	9.350E-03	4.604E-03	9.973E-03	1.282E-02	2.743E-02	2.449E-02	1.140E-02	1.291E-02
155	2.271E-02	3.206E-02	1.077E-02	4.203E-02	2.297E-02	3.998E-02	2.983E-02	2.395E-02	1.229E-02	1.140E-02	6.020E-02
156	4.702E-01	4.372E-01	3.615E-01	2.146E-01	3.179E-01	1.549E-01	2.467E-01	5.654E-01	3.188E-01	1.487E-01	2.413E-01
157	2.119E-01	1.728E-01	1.184E-01	4.666E-02	1.104E-01	8.504E-02	1.149E-01	2.155E-01	1.184E-01	7.427E-02	1.291E-01
158	7.961E-01	6.376E-01	2.476E-01	2.102E-01	2.760E-01	1.852E-01	3.321E-01	5.102E-01	4.372E-01	1.719E-01	3.526E-01
159	1.211E-01	1.443E-01	8.620E-02	7.008E-02	7.827E-02	5.004E-02	7.667E-02	8.905E-02	1.140E-01	6.287E-02	5.592E-02
160	2.654E-02	2.404E-02	3.232E-02	3.268E-02	1.380E-02	2.502E-02	1.701E-02	2.743E-02	4.087E-02	2.858E-02	3.437E-02
161	1.140E-02	8.424E-02	2.698E-02	3.731E-02	0.000E+00	2.004E-02	1.701E-02	1.710E-02	6.536E-02	1.719E-02	2.155E-02
162	3.793E-02	1.202E-02	1.077E-02	1.398E-02	9.172E-03	9.973E-03	0.000E+00	3.081E-02	1.229E-02	2.289E-02	2.582E-02
163	5.307E-02	1.603E-02	4.310E-02	1.398E-02	9.172E-03	2.004E-02	4.256E-03	2.057E-02	2.039E-02	2.858E-02	2.155E-02
164	2.654E-02	1.202E-02	1.621E-02	2.805E-02	1.380E-02	3.001E-02	8.522E-03	3.428E-02	8.166E-03	1.719E-02	2.582E-02

	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU
165	1.897E-02	1.202E-02	5.387E-03	2.805E-02	1.380E-02	0.000E+00	1.701E-02	2.743E-02	2.449E-02	3.998E-02	3.874E-02
166	4.167E-02	8.825E-02	3.776E-02	3.731E-02	5.067E-02	2.502E-02	3.411E-02	6.171E-02	3.268E-02	3.428E-02	8.602E-02
167	3.072E-01	3.330E-01	2.369E-01	1.354E-01	1.612E-01	1.149E-01	9.795E-02	2.814E-01	1.719E-01	1.318E-01	1.247E-01
168	1.362E-01	2.164E-01	1.077E-01	6.073E-02	7.364E-02	9.528E-02	8.094E-02	1.060E-01	1.469E-01	2.289E-02	1.033E-01
169	5.681E-02	8.023E-02	4.853E-02	6.536E-02	8.281E-02	5.503E-02	2.983E-02	4.452E-02	3.678E-02	5.717E-02	5.165E-02
170	7.961E-02	8.023E-02	4.853E-02	2.805E-02	4.141E-02	5.004E-02	2.983E-02	1.710E-02	6.536E-02	1.140E-02	9.439E-02
171	2.654E-02	6.020E-02	4.310E-02	4.203E-02	9.172E-03	5.503E-02	1.701E-02	2.395E-02	6.536E-02	2.289E-02	2.155E-02
172	6.781E-02	5.690E-02	8.093E-02	1.447E-01	7.738E-02	1.300E-01	6.340E-02	7.836E-02	6.131E-02	8.657E-02	6.573E-02
173	2.024E+00	1.807E+00	3.410E+00	3.339E+00	2.396E+00	3.973E+00	1.894E+00	1.915E+00	2.763E+00	5.191E+00	2.990E+00
174	3.307E+00	3.105E+00	6.005E+00	5.345E+00	4.300E+00	6.940E+00	3.480E+00	3.229E+00	4.927E+00	9.481E+00	5.279E+00
175	6.965E-01	6.462E-01	1.130E+00	1.313E+00	9.197E-01	1.478E+00	6.891E-01	7.382E-01	9.938E-01	1.685E+00	9.828E-01
176	1.991E+00	1.695E+00	2.484E+00	3.438E+00	1.791E+00	2.803E+00	2.168E+00	2.036E+00	2.115E+00	3.611E+00	3.219E+00
177	8.326E-01	5.579E-01	6.891E-01	1.008E+00	1.566E+00	1.086E+00	8.893E-01	1.308E+00	4.598E-01	1.105E+00	7.227E-01
178	9.086E-02	8.338E-02	1.218E-01	1.631E-01	1.594E-01	2.551E-01	1.275E-01	2.048E-01	6.070E-02	1.521E-01	1.072E-01
179	1.200E-02	1.275E-02	3.041E-02	3.017E-02	1.717E-02	3.716E-02	1.876E-02	2.121E-02	1.124E-02	2.514E-02	1.901E-02
180	1.096E-02	1.435E-02	2.600E-02	3.151E-02	1.398E-02	2.685E-02	1.174E-02	6.609E-03	2.649E-02	2.600E-02	2.367E-02
181	9.920E-03	1.050E-02	2.526E-02	1.925E-02	1.140E-02	2.416E-02	1.521E-02	1.133E-02	1.239E-02	3.151E-02	1.950E-02
182	9.651E-02	6.524E-02	2.636E-01	2.048E-01	2.465E-01	2.526E-01	8.155E-02	1.034E-01	1.091E-01	2.661E-01	1.042E-01
183	1.790E+00	1.746E+00	3.086E+00	3.003E+00	2.709E+00	3.690E+00	1.519E+00	1.702E+00	2.175E+00	3.500E+00	2.098E+00
184	2.072E+00	1.884E+00	3.631E+00	3.030E+00	3.378E+00	4.024E+00	1.649E+00	2.136E+00	2.328E+00	4.196E+00	2.605E+00
185	1.318E+00	1.390E+00	2.686E+00	2.186E+00	2.120E+00	2.909E+00	1.194E+00	1.247E+00	1.697E+00	2.909E+00	1.879E+00
186	2.484E+00	2.736E+00	4.819E+00	4.111E+00	4.038E+00	5.295E+00	2.664E+00	2.937E+00	3.481E+00	5.076E+00	3.246E+00
187	5.199E-01	5.408E-01	8.437E-01	9.921E-01	7.627E-01	1.077E+00	5.445E-01	5.788E-01	6.769E-01	9.946E-01	5.751E-01
188	4.120E-02	4.365E-02	8.461E-02	1.126E-01	7.922E-02	9.234E-02	4.574E-02	4.292E-02	5.395E-02	7.946E-02	5.690E-02
189	1.148E-02	5.530E-03	2.379E-02	1.668E-02	1.140E-02	3.519E-02	1.056E-02	8.964E-03	1.181E-02	1.570E-02	1.300E-02
190	1.754E-01	1.471E-01	1.422E-01	2.833E-01	2.060E-01	2.318E-01	1.704E-01	1.337E-01	1.655E-01	2.293E-01	2.085E-01
191	2.447E+00	1.692E+00	2.156E+00	2.805E+00	5.504E+00	3.058E+00	2.582E+00	4.029E+00	1.147E+00	2.494E+00	1.769E+00
192	4.807E-01	3.936E-01	6.229E-01	6.818E-01	1.034E+00	8.990E-01	6.340E-01	9.933E-01	2.698E-01	6.119E-01	4.096E-01
193	6.524E-02	6.413E-02	1.196E-01	1.164E-01	1.072E-01	1.680E-01	8.387E-02	1.075E-01	6.462E-02	1.459E-01	7.578E-02
194	7.051E-02	1.337E-01	1.135E-01	1.459E-01	7.860E-02	1.557E-01	9.381E-02	6.413E-02	1.398E-01	1.643E-01	1.888E-01
195	3.237E-02	5.248E-02	3.262E-02	6.499E-02	4.942E-02	6.401E-02	3.348E-02	2.882E-02	6.242E-02	7.787E-02	9.185E-02
196	1.018E-01	7.738E-02	2.379E-01	2.587E-01	2.563E-01	2.244E-01	1.203E-01	2.575E-01	1.091E-01	1.410E-01	6.401E-02
197	7.357E-02	6.744E-02	1.203E-01	1.533E-01	1.852E-01	1.508E-01	9.565E-02	1.373E-01	5.457E-02	1.094E-01	6.217E-02
198	4.807E-02	5.310E-02	7.492E-02	7.774E-02	7.799E-02	6.953E-02	5.395E-02	6.560E-02	3.765E-02	6.143E-02	6.340E-02
199	1.373E-01	2.072E-01	1.619E-01	1.754E-01	5.457E-02	1.459E-01	1.839E-01	6.082E-02	1.046E-01	1.447E-01	1.852E-01
200	5.371E-02	8.952E-02	1.471E-01	1.221E-01	6.720E-02	1.373E-01	9.086E-02	4.525E-02	8.044E-02	1.459E-01	1.191E-01
201	3.397E-02	6.744E-02	4.525E-02	7.272E-02	4.181E-02	6.757E-02	3.924E-02	4.341E-02	6.744E-02	8.179E-02	8.118E-02
202	6.266E-03	6.634E-03	1.113E-02	1.410E-02	1.263E-03	4.132E-03	8.804E-03	1.888E-03	4.500E-03	1.337E-02	1.126E-02
203	1.570E-03	1.105E-03	1.484E-03	0.000E+00	1.263E-03	0.000E+00	1.174E-03	0.000E+00	5.628E-04	2.367E-03	1.185E-03
204	8.351E-03	6.634E-03	8.167E-03	1.029E-02	1.263E-03	5.506E-03	1.115E-02	6.131E-03	7.308E-03	1.337E-02	1.067E-02
205	5.224E-04	1.105E-03	7.419E-04	0.000E+00	6.340E-04	6.891E-04	5.861E-04	1.410E-03	0.000E+00	2.367E-03	1.778E-03

	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU
206	1.361E-02	1.496E-02	1.631E-02	2.379E-02	1.901E-03	1.373E-02	1.349E-02	6.131E-03	3.372E-03	2.440E-02	2.305E-02
207	1.044E-03	5.530E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.342E-03	4.721E-04	1.124E-03	1.570E-03	5.923E-04
208	3.127E-03	7.738E-03	6.683E-03	7.075E-03	6.340E-04	2.759E-03	4.697E-03	1.888E-03	3.936E-03	5.506E-03	4.145E-03
209	0.000E+00	5.530E-04	7.419E-04	1.288E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.124E-03	1.570E-03	1.778E-03
210	5.224E-04	0.000E+00	7.419E-04	0.000E+00	0.000E+00	0.000E+00	1.174E-03	9.442E-04	0.000E+00	0.000E+00	0.000E+00
211	5.224E-04	5.530E-04	3.716E-03	1.288E-03	6.340E-04	6.891E-04	0.000E+00	4.721E-04	0.000E+00	2.367E-03	0.000E+00
212	0.000E+00	0.000E+00	7.419E-04	6.426E-04	0.000E+00	1.373E-03	0.000E+00	0.000E+00	5.628E-04	0.000E+00	5.923E-04
213	2.612E-03	4.414E-03	5.935E-03	3.863E-03	1.901E-03	2.072E-03	1.174E-03	1.888E-03	1.124E-03	3.151E-03	5.923E-03
214	1.570E-03	3.311E-03	1.484E-03	1.925E-03	1.901E-03	2.759E-03	5.861E-04	2.354E-03	1.692E-03	7.872E-04	6.511E-03
215	0.000E+00	0.000E+00	1.484E-03	1.288E-03	6.340E-04	0.000E+00	0.000E+00	9.442E-04	2.244E-03	2.367E-03	2.367E-03
216	5.224E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.891E-04	5.861E-04	0.000E+00	2.244E-03	3.151E-03	0.000E+00
217	5.224E-04	5.530E-04	1.484E-03	0.000E+00	1.901E-03	6.891E-04	0.000E+00	0.000E+00	1.124E-03	0.000E+00	1.185E-03
218	2.082E+00	1.915E+00	3.498E+00	3.515E+00	3.043E+00	3.764E+00	1.637E+00	2.004E+00	2.259E+00	4.079E+00	2.242E+00
219	2.036E-02	1.655E-02	2.747E-02	3.863E-02	2.784E-02	4.758E-02	1.704E-02	1.180E-02	2.244E-02	3.703E-02	1.839E-02
220	1.168E+00	1.223E+00	1.567E+00	1.912E+00	8.505E-01	1.812E+00	1.279E+00	9.872E-01	1.119E+00	1.206E+00	2.124E+00
221	4.858E+01	4.627E+01	6.095E+01	7.581E+01	3.876E+01	4.881E+01	6.549E+01	4.710E+01	5.468E+01	6.449E+01	6.448E+01
222	2.367E+01	3.660E+01	2.946E+01	3.438E+01	2.693E+01	3.778E+01	4.025E+01	3.302E+01	4.114E+01	3.499E+01	3.335E+01
223	2.217E+01	2.284E+01	2.338E+01	2.258E+01	1.691E+01	2.244E+01	2.419E+01	1.979E+01	2.474E+01	1.889E+01	3.372E+01
224	1.465E+01	1.597E+01	1.815E+01	2.573E+01	9.762E+00	1.803E+01	1.731E+01	1.337E+01	2.112E+01	1.992E+01	2.193E+01
225	1.889E+01	9.622E+00	1.185E+01	1.123E+01	1.876E+01	1.129E+01	1.799E+01	2.232E+01	1.270E+01	1.143E+01	1.011E+01
226	2.671E+00	2.930E+00	7.026E+00	6.209E+00	5.524E+00	5.142E+00	6.596E+00	7.300E+00	5.194E+00	5.112E+00	2.056E+00
227	1.187E+00	1.186E+00	2.172E+00	1.865E+00	2.377E+00	1.912E+00	2.204E+00	2.033E+00	1.709E+00	2.081E+00	1.006E+00
228	2.633E-01	2.931E-01	4.278E-01	6.723E-01	1.497E-01	3.378E-01	2.650E-01	2.167E-01	3.321E-01	3.311E-01	2.856E-01
229	2.669E-01	2.862E-01	4.197E-01	6.737E-01	1.476E-01	3.667E-01	3.144E-01	2.245E-01	3.458E-01	3.701E-01	2.653E-01
230	4.820E+01	3.321E+01	2.790E+01	3.076E+01	3.316E+01	2.891E+01	4.116E+01	4.041E+01	3.476E+01	3.597E+01	3.230E+01
231	5.915E+00	3.985E+00	4.143E+00	4.861E+00	3.889E+00	4.152E+00	4.415E+00	5.403E+00	3.879E+00	3.979E+00	3.447E+00
232	1.444E+00	1.088E+00	1.883E+00	1.713E+00	1.292E+00	1.694E+00	1.735E+00	1.354E+00	1.906E+00	1.984E+00	1.398E+00
233	6.194E+00	5.075E+00	5.121E+00	5.374E+00	5.326E+00	4.680E+00	5.882E+00	4.335E+00	4.406E+00	5.235E+00	6.011E+00
234	2.587E+01	2.251E+01	2.007E+01	1.768E+01	1.597E+01	1.827E+01	1.723E+01	1.812E+01	1.654E+01	1.507E+01	2.907E+01
235	1.882E+01	1.276E+01	1.329E+01	1.072E+01	1.250E+01	1.116E+01	1.133E+01	1.282E+01	1.308E+01	1.067E+01	1.745E+01
236	4.981E-01	4.674E-01	7.908E-01	8.850E-01	2.928E-01	7.331E-01	6.894E-01	3.579E-01	7.464E-01	8.547E-01	5.194E-01
237	1.895E+00	2.318E+00	3.467E+00	3.386E+00	3.172E+00	5.148E+00	3.120E+00	2.527E+00	3.186E+00	4.263E+00	2.077E+00
238	7.075E+00	5.299E+00	6.697E+00	5.883E+00	6.531E+00	7.314E+00	5.273E+00	5.948E+00	7.577E+00	5.938E+00	6.423E+00
239	1.507E+00	1.175E+00	1.351E+00	1.342E+00	1.233E+00	1.398E+00	1.127E+00	1.126E+00	1.727E+00	1.412E+00	1.419E+00
240	8.611E+00	2.131E+01	1.971E+01	1.972E+01	4.473E+00	1.592E+01	1.284E+01	5.463E+00	2.265E+01	1.612E+01	2.473E+01
241	1.974E+02	2.803E+02	2.581E+02	2.508E+02	2.514E+02	2.707E+02	2.381E+02	2.248E+02	2.541E+02	2.760E+02	2.422E+02
242	1.754E+02	1.898E+02	2.053E+02	1.719E+02	1.771E+02	1.758E+02	1.561E+02	1.553E+02	1.690E+02	1.571E+02	2.413E+02
243	1.688E+01	1.662E+01	1.912E+01	1.532E+01	1.589E+01	1.516E+01	1.397E+01	1.381E+01	1.479E+01	1.307E+01	2.157E+01
244	9.378E+00	5.402E+00	1.003E+01	8.495E+00	1.434E+01	1.149E+01	8.333E+00	1.107E+01	6.631E+00	8.639E+00	5.650E+00
245	3.276E+00	3.270E+00	5.063E+00	3.928E+00	4.794E+00	6.355E+00	4.155E+00	3.805E+00	4.375E+00	4.512E+00	2.954E+00
246	5.302E+00	5.387E+00	6.089E+00	6.735E+00	4.921E+00	7.627E+00	5.080E+00	3.965E+00	9.040E+00	7.416E+00	6.299E+00

	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU
247	3.787E+00	3.544E+00	5.424E+00	5.074E+00	3.500E+00	4.849E+00	4.158E+00	3.148E+00	5.565E+00	5.750E+00	4.163E+00
248	1.173E+02	6.463E+01	7.888E+01	7.099E+01	1.384E+02	7.232E+01	9.417E+01	1.232E+02	6.516E+01	7.366E+01	5.918E+01
249	4.841E+01	5.262E+01	6.934E+01	6.088E+01	6.159E+01	7.656E+01	5.538E+01	6.268E+01	5.138E+01	4.404E+01	4.683E+01
250	7.804E+01	1.245E+02	1.119E+02	1.362E+02	9.982E+01	1.484E+02	9.095E+01	9.276E+01	1.239E+02	1.142E+02	1.038E+02
251	3.729E+01	5.714E+01	5.244E+01	5.579E+01	3.189E+01	5.318E+01	4.253E+01	3.494E+01	5.318E+01	4.541E+01	5.707E+01
252	2.697E+00	3.943E+00	4.116E+00	4.254E+00	2.140E+00	3.698E+00	3.193E+00	2.491E+00	3.892E+00	3.285E+00	4.280E+00
253	2.615E+00	2.554E+00	4.895E+00	4.323E+00	3.230E+00	4.471E+00	3.360E+00	3.308E+00	3.401E+00	4.256E+00	2.910E+00
254	1.011E+01	5.959E+00	1.029E+01	7.735E+00	1.480E+01	1.135E+01	7.761E+00	1.080E+01	7.995E+00	8.323E+00	5.668E+00
255	9.584E+00	5.779E+00	9.141E+00	7.046E+00	1.220E+01	1.039E+01	7.543E+00	9.716E+00	7.749E+00	7.872E+00	5.007E+00
256	3.418E+00	2.311E+00	5.183E+00	3.232E+00	2.666E+00	4.477E+00	2.803E+00	2.595E+00	3.444E+00	3.513E+00	2.385E+00
257	3.900E+00	3.413E+00	5.168E+00	5.636E+00	3.521E+00	5.360E+00	5.252E+00	3.526E+00	6.011E+00	6.371E+00	4.161E+00
258	1.959E+01	1.641E+01	2.936E+01	2.701E+01	3.736E+01	2.626E+01	2.474E+01	2.554E+01	2.170E+01	2.664E+01	1.477E+01
259	5.878E+01	3.356E+01	4.472E+01	4.217E+01	6.925E+01	4.751E+01	4.453E+01	6.085E+01	4.097E+01	4.117E+01	3.152E+01
260	3.568E+01	2.958E+01	3.758E+01	3.412E+01	3.101E+01	3.992E+01	3.664E+01	3.595E+01	3.280E+01	3.033E+01	3.053E+01
261	4.065E+01	3.333E+01	3.144E+01	3.286E+01	2.994E+01	3.105E+01	3.917E+01	4.272E+01	3.835E+01	3.474E+01	3.854E+01
262	8.509E+00	1.217E+01	1.218E+01	1.333E+01	7.652E+00	1.130E+01	1.492E+01	1.104E+01	1.355E+01	1.409E+01	1.036E+01
263	1.857E+00	1.672E+00	4.023E+00	3.207E+00	3.287E+00	3.713E+00	2.584E+00	2.859E+00	2.876E+00	3.399E+00	1.510E+00
264	2.873E+00	2.236E+00	6.262E+00	3.524E+00	3.517E+00	4.735E+00	2.784E+00	2.807E+00	3.285E+00	3.899E+00	2.089E+00
265	2.458E+00	1.984E+00	3.771E+00	2.721E+00	2.468E+00	3.573E+00	2.337E+00	2.059E+00	2.522E+00	3.090E+00	2.032E+00
266	2.398E+00	2.290E+00	3.788E+00	3.302E+00	9.161E-01	2.721E+00	2.016E+00	1.218E+00	2.867E+00	3.520E+00	3.178E+00
267	2.098E+00	2.059E+00	3.150E+00	3.043E+00	9.519E-01	2.440E+00	1.937E+00	1.491E+00	3.094E+00	2.962E+00	2.869E+00
268	6.332E+00	8.228E+00	1.808E+01	1.770E+01	1.560E+01	1.207E+01	8.909E+00	1.444E+01	1.120E+01	1.066E+01	4.470E+00
269	5.163E+00	7.522E+00	1.248E+01	1.242E+01	8.006E+00	8.449E+00	8.705E+00	7.027E+00	8.319E+00	9.164E+00	5.124E+00
270	3.011E+00	3.801E+00	5.050E+00	4.790E+00	2.910E+00	4.018E+00	3.858E+00	2.661E+00	3.696E+00	4.120E+00	3.369E+00
271	1.739E+01	9.909E+00	1.104E+01	1.174E+01	1.273E+01	1.116E+01	1.537E+01	1.181E+01	1.120E+01	1.368E+01	1.165E+01
272	1.211E+02	8.130E+01	6.646E+01	7.021E+01	8.304E+01	7.019E+01	9.739E+01	9.383E+01	8.563E+01	8.794E+01	7.850E+01
273	1.342E+02	9.167E+01	7.562E+01	8.467E+01	9.650E+01	8.332E+01	1.105E+02	1.075E+02	9.959E+01	1.029E+02	9.026E+01
274	2.178E+01	1.422E+01	1.134E+01	1.255E+01	1.515E+01	1.166E+01	1.659E+01	1.914E+01	1.354E+01	1.368E+01	1.207E+01
275	6.650E-01	6.334E-01	6.038E-01	5.900E-01	6.687E-01	5.490E-01	6.661E-01	5.695E-01	7.700E-01	7.766E-01	7.206E-01
276	1.295E+01	9.246E+00	8.338E+00	7.330E+00	1.071E+01	6.691E+00	1.077E+01	8.050E+00	8.127E+00	9.462E+00	1.165E+01
277	4.254E+01	3.224E+01	2.137E+01	1.775E+01	2.539E+01	1.600E+01	2.707E+01	2.897E+01	2.455E+01	2.395E+01	3.680E+01
278	4.244E+01	3.229E+01	2.142E+01	1.841E+01	2.610E+01	1.620E+01	2.744E+01	2.951E+01	2.521E+01	2.378E+01	3.683E+01
279	1.175E+01	1.007E+01	8.045E+00	6.919E+00	7.633E+00	6.245E+00	6.908E+00	9.569E+00	6.027E+00	5.853E+00	1.055E+01
280	5.120E+00	7.097E+00	6.492E+00	7.119E+00	4.393E+00	5.949E+00	6.072E+00	3.748E+00	7.786E+00	6.625E+00	8.561E+00
281	1.008E+02	1.341E+02	1.223E+02	1.240E+02	1.317E+02	1.255E+02	1.178E+02	1.163E+02	1.230E+02	1.290E+02	1.106E+02
282	8.795E+01	1.179E+02	1.064E+02	1.078E+02	1.158E+02	1.082E+02	1.011E+02	1.018E+02	1.037E+02	1.082E+02	9.641E+01
283	5.523E+01	5.631E+01	6.415E+01	4.918E+01	5.721E+01	4.887E+01	4.393E+01	4.652E+01	4.803E+01	4.086E+01	7.067E+01
284	4.041E+00	3.915E+00	4.242E+00	5.365E+00	3.628E+00	5.055E+00	5.717E+00	3.777E+00	6.492E+00	7.373E+00	4.115E+00
285	5.402E+01	7.488E+01	6.304E+01	7.528E+01	5.958E+01	7.428E+01	6.358E+01	6.142E+01	6.967E+01	7.414E+01	6.442E+01
286	4.315E+01	5.734E+01	5.004E+01	5.871E+01	4.649E+01	5.827E+01	5.178E+01	5.091E+01	5.485E+01	5.720E+01	4.967E+01
287	7.424E+00	1.026E+01	9.811E+00	1.039E+01	6.423E+00	9.046E+00	7.342E+00	6.647E+00	9.378E+00	7.747E+00	1.056E+01

	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU
288	8.315E+01	6.470E+01	5.741E+01	5.956E+01	6.557E+01	5.568E+01	7.322E+01	8.363E+01	7.205E+01	6.509E+01	7.074E+01
289	6.830E+01	5.004E+01	4.559E+01	4.989E+01	5.283E+01	4.566E+01	6.001E+01	7.172E+01	5.915E+01	5.343E+01	5.715E+01
290	1.864E+01	1.831E+01	1.909E+01	2.003E+01	1.928E+01	1.837E+01	2.844E+01	2.506E+01	2.092E+01	2.605E+01	1.648E+01
291	1.531E+01	1.485E+01	1.554E+01	1.662E+01	1.600E+01	1.491E+01	2.369E+01	2.148E+01	1.691E+01	2.092E+01	1.286E+01
292	1.618E+00	2.370E+00	2.546E+00	2.886E+00	1.993E+00	2.271E+00	2.602E+00	2.174E+00	2.592E+00	2.566E+00	1.945E+00
293	1.806E+00	2.170E+00	2.162E+00	2.351E+00	9.344E-01	1.417E+00	1.865E+00	1.204E+00	1.962E+00	1.995E+00	2.197E+00
294	1.637E+00	2.092E+00	2.297E+00	3.197E+00	3.437E+00	2.677E+00	1.993E+00	2.063E+00	2.192E+00	3.094E+00	1.910E+00
295	1.601E+00	2.110E+00	2.260E+00	3.164E+00	3.424E+00	2.688E+00	2.021E+00	2.139E+00	2.156E+00	3.041E+00	1.934E+00
296	1.296E+00	1.290E+00	1.622E+00	2.337E+00	2.602E+00	1.805E+00	1.273E+00	1.498E+00	1.455E+00	2.042E+00	1.649E+00
297	3.897E-01	3.165E-01	2.205E-01	2.561E-01	2.985E-01	3.067E-01	3.496E-01	3.404E-01	3.740E-01	4.985E-01	3.895E-01
298	2.014E-02	1.768E-02	8.302E-03	7.766E-03	7.229E-03	9.074E-03	1.345E-02	1.467E-02	1.375E-02	1.210E-02	1.862E-02
299	2.589E-01	1.811E-01	8.281E-02	5.427E-02	7.851E-02	5.878E-02	8.774E-02	1.139E-01	1.789E-01	9.954E-02	3.187E-01
300	1.626E-02	1.126E-02	4.634E-03	2.789E-03	2.853E-03	2.960E-03	5.878E-03	6.607E-03	7.208E-03	3.411E-03	1.073E-02
301	1.223E-01	9.825E-02	4.462E-02	4.483E-02	3.540E-02	3.711E-02	4.998E-02	5.921E-02	9.289E-02	4.870E-02	1.705E-01
302	9.310E-03	1.171E-02	2.068E-02	2.231E-02	2.531E-02	3.540E-02	1.534E-02	6.307E-03	1.420E-02	6.135E-02	3.153E-02
303	2.503E-01	2.862E-01	1.416E-01	1.251E-01	1.032E-01	1.435E-01	2.377E-01	1.667E-01	2.406E-01	1.896E-01	3.449E-01
304	3.904E-03	5.749E-03	1.585E-02	1.532E-02	2.231E-02	2.639E-02	6.243E-03	4.977E-03	7.444E-03	6.221E-02	2.062E-02
305	6.456E-01	4.965E-01	2.945E-01	2.760E-01	2.328E-01	2.990E-01	3.964E-01	4.126E-01	5.470E-01	2.815E-01	6.972E-01
306	3.990E-02	3.003E-02	1.547E-02	2.070E-02	1.195E-02	1.658E-02	3.282E-02	2.639E-02	2.403E-02	1.952E-02	4.376E-02
307	8.402E-01	1.301E+00	6.967E-01	5.710E-01	3.836E-01	8.793E-01	1.928E+00	9.667E-01	9.532E-01	7.378E-01	9.811E-01
308	1.474E-02	2.295E-02	1.429E-02	1.294E-02	7.401E-03	1.635E-02	3.904E-02	1.525E-02	1.171E-02	1.023E-02	1.581E-02
309	7.272E-03	3.904E-03	1.547E-03	3.175E-03	2.019E-03	3.861E-03	5.878E-03	6.157E-03	3.389E-03	2.167E-03	3.668E-03
310	2.032E-03	6.436E-03	9.653E-04	1.195E-03	6.736E-04	1.135E-03	1.705E-03	1.467E-03	2.252E-03	3.711E-03	1.128E-03
311	0.000E+00	4.591E-04	7.723E-04	1.991E-04	3.368E-04	6.822E-04	1.894E-04	5.856E-04	4.505E-04	6.200E-04	1.412E-03
312	5.084E-04	2.295E-04	7.723E-04	3.990E-04	8.409E-04	4.548E-04	3.797E-04	1.467E-04	4.505E-04	0.000E+00	0.000E+00
313	1.888E-01	1.585E-01	7.487E-02	7.851E-02	6.543E-02	9.911E-02	2.034E-01	1.523E-01	2.019E-01	9.053E-02	1.929E-01
314	8.130E-03	5.964E-03	2.896E-03	3.776E-03	2.019E-03	3.175E-03	5.299E-03	6.157E-03	7.444E-03	5.578E-03	5.921E-03
315	3.776E-02	3.604E-02	1.469E-02	1.472E-02	1.397E-02	2.111E-02	4.119E-02	2.596E-02	3.497E-02	1.581E-02	3.239E-02
316	2.210E-03	1.148E-03	3.861E-04	7.959E-04	8.409E-04	6.822E-04	1.137E-03	8.795E-04	1.126E-03	3.111E-04	1.693E-03
317	2.210E-02	3.304E-02	1.216E-02	1.633E-02	1.530E-02	1.227E-02	3.325E-02	2.424E-02	3.583E-02	1.519E-02	2.145E-02
318	1.017E-03	2.982E-03	7.723E-04	1.991E-03	6.736E-04	1.362E-03	9.460E-04	5.856E-04	2.027E-03	3.111E-04	2.832E-03
319	1.540E-01	2.074E-01	9.160E-02	1.227E-01	1.066E-01	1.163E-01	2.981E-01	1.639E-01	2.577E-01	1.392E-01	1.521E-01
320	6.779E-04	9.182E-04	1.933E-04	0.000E+00	1.682E-04	6.822E-04	5.685E-04	8.795E-04	1.351E-03	3.111E-04	5.642E-04
321	2.143E-01	2.167E-01	1.023E-01	1.191E-01	1.201E-01	1.598E-01	2.720E-01	2.256E-01	3.557E-01	1.242E-01	3.000E-01
322	5.427E-03	9.182E-03	5.020E-03	3.175E-03	2.531E-03	4.762E-03	9.289E-03	6.457E-03	1.015E-02	8.366E-03	1.100E-02
323	1.431E-01	1.875E-01	1.249E-01	1.579E-01	1.304E-01	1.763E-01	3.570E-01	2.070E-01	3.062E-01	1.673E-01	2.092E-01
324	4.226E-03	7.809E-03	4.827E-03	3.583E-03	2.019E-03	4.998E-03	7.573E-03	6.007E-03	8.795E-03	3.711E-03	5.363E-03
325	1.100E-02	1.216E-02	6.564E-03	2.789E-03	4.376E-03	7.723E-03	6.436E-03	8.645E-03	1.105E-02	5.277E-03	8.752E-03
326	2.381E-03	1.607E-03	1.547E-03	5.964E-04	5.041E-04	2.044E-03	1.515E-03	4.398E-04	9.010E-04	9.310E-04	3.111E-03
327	2.381E-02	1.976E-02	5.020E-03	8.366E-03	6.050E-03	5.213E-03	1.060E-02	8.795E-03	1.757E-02	4.333E-03	1.270E-02
328	1.693E-03	2.295E-03	3.861E-04	9.954E-04	3.368E-04	9.074E-04	1.894E-04	1.613E-03	1.126E-03	6.200E-04	1.693E-03

	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU
329	5.451E-01	4.998E-01	2.821E-01	2.326E-01	1.989E-01	3.129E-01	6.845E-01	4.002E-01	4.959E-01	3.122E-01	4.773E-01
330	4.226E-03	6.436E-03	4.441E-03	2.188E-03	2.188E-03	6.822E-03	6.436E-03	4.248E-03	6.543E-03	3.111E-03	5.642E-03
331	4.376E-02	3.432E-02	1.663E-02	1.392E-02	1.227E-02	1.317E-02	3.990E-02	2.295E-02	4.033E-02	1.860E-02	3.604E-02
332	8.474E-04	1.607E-03	9.653E-04	1.195E-03	0.000E+00	3.625E-03	7.573E-04	8.795E-04	1.126E-03	9.310E-04	1.128E-03
333	2.510E-02	2.381E-02	9.460E-03	6.757E-03	9.074E-03	8.409E-03	2.660E-02	1.701E-02	2.510E-02	8.688E-03	2.062E-02
334	6.779E-04	4.591E-04	3.861E-04	1.991E-04	3.368E-04	4.548E-03	0.000E+00	0.000E+00	4.505E-04	9.310E-04	8.474E-04
335	4.419E-02	5.642E-02	1.971E-02	2.089E-02	2.360E-02	2.134E-02	6.650E-02	3.389E-02	5.213E-02	2.982E-02	3.282E-02
336	2.703E-03	4.591E-03	2.896E-03	3.175E-03	2.360E-03	1.817E-02	3.604E-03	2.338E-03	6.307E-03	4.333E-03	7.894E-03
337	1.154E-01	1.206E-01	5.663E-02	5.277E-02	4.805E-02	6.243E-02	1.358E-01	8.710E-02	1.120E-01	4.312E-02	1.210E-01
338	3.733E-03	2.295E-03	5.792E-04	7.959E-04	1.682E-04	1.135E-03	1.894E-03	8.795E-04	6.757E-04	1.860E-03	2.252E-03
339	4.290E-02	5.942E-02	2.810E-02	2.338E-02	2.001E-02	2.810E-02	7.701E-02	3.926E-02	5.599E-02	2.703E-02	4.205E-02
340	1.862E-03	2.746E-03	1.740E-03	2.381E-03	1.008E-03	2.044E-03	3.797E-03	1.907E-03	2.488E-03	1.551E-03	3.668E-03
341	5.921E-03	7.573E-03	3.089E-03	3.583E-03	2.019E-03	3.861E-03	4.355E-03	3.518E-03	5.406E-03	3.711E-03	6.779E-03
342	1.186E-03	4.591E-04	5.792E-04	3.990E-04	3.368E-04	4.548E-04	5.685E-04	4.398E-04	2.252E-04	0.000E+00	1.128E-03
343	7.272E-03	5.513E-03	5.985E-03	3.990E-03	5.213E-03	7.272E-03	7.015E-03	3.368E-03	6.757E-03	6.822E-03	7.058E-03
344	1.693E-04	6.886E-04	3.861E-04	3.990E-04	1.682E-04	1.135E-03	3.797E-04	2.939E-04	4.505E-04	9.310E-04	5.642E-04

	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG
1	**13896**	**13698**	**14654**	**13816**	**14550**	**13680**	**13818**	**14666**	**13868**	**13834**	**N4 G**	**N5 K**
2	**Benign**	**Early Malignant**	**Early Malignant**	**Benign**	**Early Malignant**	**Benign**	**Control**	**Early Malignant**	**Benign**	**Benign**	**Control**	**Control**
3	1	2	2	1	2	1	0	2	1	1	0	0
4	-1	-1	-1	-1	-1	-1	1	-1	-1	-1	1	1
5	1.139E+00	1.295E+00	9.052E-01	1.609E+00	1.336E+00	1.418E+00	1.293E+00	9.790E-01	1.121E+00	1.594E+00	1.771E+00	1.797E+00
6	7.961E-02	6.277E-01	4.742E-01	5.461E-01	2.886E-01	6.395E-01	4.227E-01	3.541E-01	4.238E-01	4.024E-01	7.843E-02	5.633E-02
7	3.809E-02	2.382E-01	1.395E-01	2.564E-01	1.599E-01	2.350E-01	1.642E-01	1.556E-01	1.384E-01	2.264E-01	2.468E-02	2.479E-02
8	2.824E+00	8.774E-01	5.075E-01	7.958E-01	8.995E-01	6.255E-01	7.270E-01	8.974E-01	7.883E-01	7.129E-01	5.836E+00	5.837E+00
9	3.026E-02	1.556E-02	1.996E-02	2.082E-02	2.511E-02	2.339E-02	2.350E-02	2.682E-02	2.371E-02	1.781E-02	4.034E-02	3.830E-02
10	8.648E-04	8.283E-03	8.187E-03	8.144E-03	1.255E-02	8.895E-03	7.693E-03	9.968E-03	1.159E-02	1.223E-02	0.000E+00	2.253E-03
11	8.648E-04	7.253E-03	7.157E-03	8.594E-03	1.255E-02	1.030E-02	9.056E-03	1.059E-02	9.914E-03	1.116E-02	4.485E-03	2.253E-03
12	5.193E-03	6.212E-03	8.691E-03	5.429E-03	6.921E-03	9.828E-03	4.528E-03	9.345E-03	6.052E-03	7.242E-03	4.485E-03	1.127E-02
13	3.112E-02	1.035E-02	7.157E-03	1.180E-02	1.006E-02	3.745E-03	5.880E-03	1.867E-02	1.159E-02	1.059E-02	5.601E-02	5.633E-02
14	2.253E-02	4.871E-02	4.603E-02	5.333E-02	5.912E-02	5.848E-02	5.751E-02	5.236E-02	4.185E-02	6.406E-02	6.727E-03	6.760E-03
15	5.193E-03	4.142E-03	2.049E-03	2.264E-03	7.543E-03	5.150E-03	5.429E-03	1.867E-03	1.652E-03	4.464E-03	0.000E+00	0.000E+00
16	0.000E+00	2.586E-03	1.534E-03	0.000E+00	2.511E-03	0.000E+00	0.000E+00	0.000E+00	5.504E-04	5.579E-04	2.242E-03	2.253E-03
17	6.921E-03	8.809E-03	1.223E-02	3.165E-03	9.431E-03	8.423E-03	8.144E-03	1.491E-02	7.157E-03	5.579E-03	2.242E-03	2.253E-03
18	1.556E-02	4.303E-02	3.884E-02	3.165E-02	3.841E-02	4.442E-02	3.573E-02	3.670E-02	2.972E-02	3.627E-02	2.693E-02	4.056E-02
19	7.006E-02	9.474E-02	6.084E-02	8.637E-02	8.112E-02	8.798E-02	8.144E-02	7.725E-02	6.717E-02	1.084E-01	3.809E-02	3.155E-02
20	1.727E-03	1.035E-03	2.049E-03	9.045E-04	1.888E-03	0.000E+00	9.056E-04	0.000E+00	3.305E-03	1.116E-03	8.970E-03	0.000E+00
21	4.324E-03	1.084E-02	1.588E-02	1.674E-02	1.070E-02	1.212E-02	1.180E-02	2.114E-02	9.914E-03	8.358E-03	2.468E-02	1.803E-02
22	2.597E-03	2.586E-03	5.118E-04	1.352E-03	5.665E-03	2.339E-03	1.813E-03	2.489E-03	1.652E-03	2.232E-03	0.000E+00	0.000E+00
23	3.541E-02	4.249E-02	2.865E-02	3.433E-02	2.961E-02	3.884E-02	2.489E-02	3.112E-02	2.865E-02	2.790E-02	6.727E-03	4.056E-02
24	4.925E-02	6.781E-02	6.341E-02	4.517E-02	5.783E-02	6.363E-02	4.936E-02	5.976E-02	5.504E-02	7.135E-02	1.567E-02	2.704E-02
25	1.470E-02	3.112E-02	1.588E-02	1.985E-02	1.006E-02	1.685E-02	1.084E-02	1.373E-02	1.266E-02	1.059E-02	1.341E-02	4.506E-03
26	2.511E-02	2.017E-02	7.672E-03	1.406E-02	1.137E-02	1.545E-02	1.491E-02	1.996E-02	1.545E-02	1.059E-02	2.242E-03	9.013E-03
27	6.921E-03	3.627E-03	2.554E-03	1.352E-03	5.665E-03	3.273E-03	2.715E-03	3.734E-03	1.652E-03	2.232E-03	4.485E-03	6.760E-03
28	2.597E-02	3.315E-02	2.049E-02	2.618E-02	2.071E-02	2.715E-02	2.307E-02	1.931E-02	1.652E-02	1.727E-02	1.341E-02	1.127E-02
29	2.253E-02	4.453E-02	4.345E-02	3.884E-02	3.584E-02	5.290E-02	3.391E-02	2.865E-02	3.852E-02	4.796E-02	3.584E-02	9.013E-03
30	4.839E-02	6.266E-02	6.448E-02	5.966E-02	6.545E-02	5.665E-02	6.470E-02	6.041E-02	5.837E-02	6.245E-02	1.567E-02	2.704E-02
31	4.152E-02	4.614E-02	2.511E-02	3.981E-02	4.399E-02	3.326E-02	4.528E-02	4.925E-02	3.852E-02	3.959E-02	2.371E-01	4.056E-02
32	6.663E-02	3.734E-02	1.792E-02	2.940E-02	3.015E-02	2.242E-02	1.770E-02	2.060E-02	2.307E-02	2.564E-02	1.459E-01	1.014E-01
33	2.071E-02	1.298E-02	1.277E-02	1.127E-02	8.176E-03	5.612E-03	7.693E-03	1.180E-02	1.105E-02	9.474E-03	6.727E-03	9.013E-03
34	2.693E-01	3.283E-01	2.446E-01	3.541E-01	3.509E-01	2.758E-01	3.069E-01	4.088E-01	2.961E-01	3.552E-01	1.588E-01	1.717E-01
35	5.880E-02	6.996E-02	4.914E-02	6.288E-02	8.047E-02	4.496E-02	6.931E-02	6.792E-02	4.238E-02	3.959E-02	2.940E-01	5.633E-02
36	5.193E-03	6.212E-03	3.069E-03	4.067E-03	4.399E-03	5.150E-03	1.534E-02	5.601E-03	6.609E-03	7.800E-03	1.116E-02	2.253E-03
37	8.648E-03	1.609E-02	1.996E-02	1.577E-02	1.448E-02	2.575E-02	7.242E-03	9.968E-03	1.652E-02	1.781E-02	2.017E-02	2.253E-02
38	9.517E-03	1.448E-02	1.023E-02	8.594E-03	1.760E-02	8.423E-03	8.605E-03	1.180E-02	1.427E-02	1.556E-02	6.727E-03	6.760E-03
39	7.436E-02	1.105E-01	5.933E-02	1.004E-01	1.320E-01	1.330E-01	8.197E-02	6.223E-02	8.369E-02	9.807E-02	1.116E-01	1.642E-01
40	1.330E-01	1.792E-01	1.567E-01	1.524E-01	1.416E-01	1.964E-01	1.059E-01	1.438E-01	1.255E-01	1.556E-01	9.185E-02	7.436E-02
41	2.682E-02	2.951E-02	1.685E-02	1.406E-02	1.760E-02	2.060E-02	1.770E-02	1.931E-02	2.092E-02	2.672E-02	3.809E-02	2.704E-02

	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG
42	8.648E-04	2.586E-03	1.023E-03	2.264E-03	2.511E-03	4.678E-04	1.813E-03	4.356E-03	5.504E-04	0.000E+00	0.000E+00	0.000E+00
43	1.286E-02	5.581E-03	4.784E-03	7.381E-03	6.327E-03	5.272E-03	6.070E-03	1.240E-02	6.198E-03	6.018E-03	1.183E-02	5.401E-03
44	1.139E-01	2.690E-01	1.899E-01	2.703E-01	3.240E-01	2.318E-01	2.392E-01	3.475E-01	2.568E-01	3.024E-01	1.944E-01	1.981E-01
45	5.555E-02	1.625E-01	1.062E-01	1.142E-01	9.285E-02	1.127E-01	9.568E-02	1.456E-01	1.188E-01	9.516E-02	1.337E-01	1.685E-01
46	1.319E-01	1.013E-01	6.841E-02	1.021E-01	1.039E-01	8.102E-02	9.105E-02	1.546E-01	9.542E-02	9.568E-02	2.369E-01	2.462E-01
47	9.285E-02	2.205E-01	1.358E-01	2.089E-01	2.833E-01	1.669E-01	1.807E-01	3.183E-01	2.076E-01	2.055E-01	1.175E-01	1.116E-01
48	1.160E-02	2.346E-02	1.361E-02	1.973E-02	3.549E-02	2.299E-02	2.420E-02	3.061E-02	2.428E-02	1.898E-02	1.826E-02	2.855E-02
49	6.636E-03	1.093E-02	6.867E-03	1.409E-02	1.613E-02	9.979E-03	9.979E-03	1.896E-02	1.294E-02	1.643E-02	6.996E-03	9.182E-03
50	2.281E-03	2.598E-03	1.103E-03	4.115E-03	2.564E-03	3.601E-03	3.678E-03	6.713E-03	1.054E-03	3.344E-03	6.996E-03	5.401E-03
51	1.427E-01	1.029E-01	1.828E-01	1.638E-01	1.160E-01	1.515E-01	1.878E-01	1.448E-01	1.917E-01	1.789E-01	1.119E-01	1.322E-01
52	4.964E-03	2.482E-03	1.595E-03	4.115E-03	2.261E-03	2.906E-03	3.138E-03	4.938E-03	3.421E-03	2.405E-03	3.215E-03	7.021E-03
53	5.067E-02	4.681E-02	3.987E-02	5.838E-02	5.864E-02	4.269E-02	4.861E-02	6.224E-02	4.475E-02	4.501E-02	1.934E-02	3.241E-02
54	2.916E+00	6.060E+00	6.041E+00	5.268E+00	4.131E+00	6.080E+00	5.703E+00	4.089E+00	5.764E+00	5.205E+00	4.217E+00	4.223E+00
55	4.532E-01	6.039E-01	5.906E-01	8.108E-01	6.655E-01	6.436E-01	6.685E-01	6.730E-01	6.746E-01	8.646E-01	4.427E-01	4.799E-01
56	9.182E-02	2.103E-01	2.130E-01	1.754E-01	1.314E-01	1.942E-01	1.702E-01	1.479E-01	1.941E-01	1.590E-01	1.757E-01	2.030E-01
57	2.795E+00	3.331E+00	3.223E+00	4.259E+00	3.594E+00	3.855E+00	3.697E+00	3.542E+00	3.623E+00	4.865E+00	2.815E+00	2.817E+00
58	8.076E-02	4.707E-02	4.167E-02	5.813E-02	4.655E-02	4.269E-02	4.424E-02	7.664E-02	4.604E-02	4.578E-02	9.465E-02	1.080E-01
59	4.141E-02	4.887E-02	5.453E-02	6.636E-02	5.787E-02	5.967E-02	5.967E-02	4.887E-02	5.350E-02	8.050E-02	3.163E-02	2.855E-02
60	1.597E-02	2.397E-02	1.950E-02	2.752E-02	3.781E-02	2.266E-02	2.675E-02	2.726E-02	2.361E-02	3.189E-02	1.075E-02	9.722E-03
61	1.633E+00	1.138E+00	1.195E+00	1.266E+00	1.677E+00	1.384E+00	1.868E+00	9.895E-01	1.387E+00	1.025E+00	1.372E+00	1.423E+00
62	3.184E-01	8.689E-01	6.273E-01	5.576E-01	4.464E-01	4.852E-01	4.982E-01	4.278E-01	5.004E-01	4.042E-01	8.231E-01	9.382E-01
63	1.265E-02	1.427E-02	8.822E-03	1.301E-02	1.553E-02	1.145E-02	1.541E-02	1.283E-02	1.003E-02	9.619E-03	1.183E-02	1.836E-02
64	9.856E-01	3.070E+00	3.626E+00	2.928E+00	2.469E+00	3.012E+00	2.590E+00	1.971E+00	2.836E+00	2.867E+00	1.093E+00	1.107E+00
65	7.047E-02	1.557E-01	1.425E-01	1.481E-01	1.137E-01	1.235E-01	1.286E-01	1.345E-01	1.384E-01	1.183E-01	6.867E-02	9.619E-02
66	4.306E-01	6.265E-01	6.116E-01	7.697E-01	6.845E-01	6.032E-01	5.696E-01	6.000E-01	5.788E-01	8.536E-01	3.519E-01	3.115E-01
67	4.810E-02	6.636E-02	5.144E-02	7.639E-02	7.304E-02	4.758E-02	5.633E-02	8.462E-02	5.504E-02	6.353E-02	3.704E-02	4.372E-02
68	7.021E-02	1.260E-01	1.206E-01	1.276E-01	1.871E-01	1.029E-01	1.098E-01	1.571E-01	1.157E-01	1.337E-01	3.112E-02	3.729E-02
69	5.656E-01	5.592E-01	5.873E-01	5.478E-01	9.544E-01	5.677E-01	7.549E-01	4.620E-01	6.345E-01	5.701E-01	2.488E-01	2.645E-01
70	4.321E-02	3.446E-02	2.906E-02	3.241E-02	4.578E-02	3.138E-02	3.498E-02	3.163E-02	3.498E-02	2.564E-02	1.559E-02	1.836E-02
71	3.318E-03	8.076E-03	8.462E-03	1.008E-02	1.085E-02	8.307E-03	8.256E-03	1.373E-02	7.510E-03	1.016E-02	5.375E-03	5.401E-04
72	2.073E-03	2.983E-03	2.829E-03	3.781E-03	3.472E-03	3.138E-03	2.387E-03	4.475E-03	3.292E-03	4.810E-03	2.150E-03	1.080E-03
73	3.634E-03	1.637E-03	2.156E-03	2.856E-03	2.641E-03	1.479E-03	1.433E-03	3.928E-03	1.738E-03	2.348E-03	0.000E+00	0.000E+00
74	7.280E-03	3.815E-03	5.384E-03	5.237E-03	5.293E-03	2.957E-03	5.711E-03	5.237E-03	6.366E-03	4.108E-03	7.077E-03	0.000E+00
75	2.912E-02	5.779E-02	2.957E-02	4.571E-02	3.047E-02	3.296E-02	4.097E-02	3.995E-02	2.720E-02	2.517E-02	8.657E-01	1.964E-01
76	2.551E-02	6.479E-02	2.901E-02	6.941E-02	7.348E-02	2.664E-02	7.381E-02	5.372E-02	3.826E-02	2.935E-02	1.099E+00	3.149E-01
77	8.183E-03	4.357E-03	2.156E-03	1.614E-02	3.307E-03	2.460E-03	5.711E-03	1.309E-03	1.738E-03	1.761E-03	1.411E-01	4.977E-02
78	9.097E-04	1.089E-03	1.076E-03	9.515E-04	6.614E-04	4.921E-04	4.763E-04	0.000E+00	5.790E-04	5.869E-04	0.000E+00	0.000E+00
79	8.183E-03	1.738E-02	2.099E-02	7.133E-03	1.059E-02	6.896E-03	1.095E-02	1.242E-02	1.275E-02	8.205E-03	2.359E-03	0.000E+00
80	2.731E-03	2.720E-03	3.770E-03	4.752E-04	5.959E-03	4.436E-03	4.763E-04	3.928E-03	2.314E-03	1.761E-03	2.359E-03	0.000E+00
81	3.826E-02	2.619E-02	3.228E-02	1.332E-02	2.178E-02	3.397E-02	1.953E-02	3.205E-02	2.427E-02	2.054E-02	9.436E-03	7.111E-03
82	9.097E-03	1.309E-02	1.828E-02	8.567E-03	8.600E-03	1.129E-02	1.047E-02	1.772E-02	1.100E-02	1.467E-02	5.655E-02	1.185E-02

	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG
83	3.634E-03	5.451E-04	5.914E-03	4.752E-04	1.321E-03	4.921E-03	4.763E-03	4.582E-03	3.476E-03	3.521E-03	7.077E-03	0.000E+00
84	2.460E-02	1.140E-02	1.828E-02	1.479E-02	1.716E-02	7.878E-03	8.093E-03	1.501E-02	1.625E-02	1.230E-02	7.077E-03	0.000E+00
85	6.366E-03	6.535E-03	1.614E-03	9.515E-04	3.307E-03	1.479E-03	3.815E-03	1.964E-03	3.476E-03	1.174E-03	7.077E-03	4.740E-03
86	1.185E-02	9.266E-03	3.770E-03	9.989E-03	1.524E-02	7.878E-03	1.242E-02	9.176E-03	6.366E-03	7.619E-03	1.275E-01	4.977E-02
87	3.273E-02	3.488E-02	1.023E-02	1.998E-02	3.239E-02	7.381E-03	3.002E-02	2.686E-02	2.032E-02	1.411E-02	6.479E-01	1.727E-01
88	2.731E-03	5.993E-03	2.686E-03	5.711E-03	2.641E-03	3.442E-03	4.763E-03	2.619E-03	1.163E-03	4.108E-03	7.314E-02	1.422E-02
89	2.088E-02	1.693E-02	1.185E-02	1.094E-02	1.716E-02	5.418E-03	1.047E-02	1.569E-02	9.266E-03	5.282E-03	1.208E-01	4.740E-02
90	3.454E-02	4.571E-02	1.343E-02	4.233E-02	2.844E-02	4.436E-03	2.957E-02	2.359E-02	1.388E-02	1.287E-02	9.714E-01	2.980E-01
91	1.001E-02	4.357E-03	3.770E-03	8.567E-03	4.628E-03	3.442E-03	9.526E-03	4.582E-03	2.314E-03	1.174E-03	1.037E-01	2.844E-02
92	2.178E-02	1.035E-02	9.142E-03	1.242E-02	2.178E-02	3.442E-03	1.242E-02	7.201E-03	7.528E-03	1.174E-02	1.321E-01	2.133E-02
93	3.634E-03	5.993E-03	3.770E-03	2.381E-03	5.959E-03	4.436E-03	8.567E-03	4.582E-03	6.953E-03	2.935E-03	8.014E-02	2.844E-02
94	3.634E-03	2.720E-03	2.156E-03	9.515E-04	1.321E-03	4.436E-03	2.856E-03	1.309E-03	5.790E-04	2.348E-03	3.070E-02	4.740E-03
95	1.907E-02	9.808E-03	5.384E-03	1.806E-02	7.280E-03	7.381E-03	1.185E-02	7.201E-03	7.528E-03	8.792E-03	5.892E-02	4.029E-02
96	6.366E-03	9.808E-03	3.770E-03	9.989E-03	1.321E-03	2.957E-03	5.711E-03	4.582E-03	1.738E-03	5.282E-03	6.366E-02	9.481E-03
97	5.463E-03	1.035E-02	4.300E-03	3.330E-03	4.628E-03	9.842E-04	7.619E-03	4.582E-03	2.314E-03	3.521E-03	7.314E-02	2.607E-02
98	2.280E-02	1.196E-02	1.185E-02	7.607E-03	1.059E-02	4.436E-03	1.095E-02	1.242E-02	8.691E-03	1.114E-02	2.359E-02	2.133E-02
99	1.619E-01	9.589E-02	7.247E-02	8.731E-02	7.186E-02	1.032E-01	6.205E-02	9.319E-02	8.682E-02	8.535E-02	3.200E-01	1.447E-01
100	6.622E-02	2.134E-02	3.274E-02	1.962E-02	2.440E-02	3.053E-02	2.330E-02	3.703E-02	2.955E-02	3.188E-02	2.048E-02	1.030E-02
101	1.557E-01	1.619E-01	1.692E-01	1.496E-01	2.342E-01	2.097E-01	1.324E-01	1.312E-01	2.256E-01	2.232E-01	1.435E-01	1.133E-01
102	2.510E+00	5.849E-01	6.033E-01	5.628E-01	8.209E-01	5.727E-01	5.739E-01	1.114E+00	8.091E-01	5.837E-01	2.514E-01	1.987E-01
103	1.508E-01	1.852E-01	1.925E-01	1.582E-01	2.452E-01	2.636E-01	1.521E-01	1.508E-01	2.575E-01	2.232E-01	1.178E-01	1.570E-01
104	7.885E-01	2.195E-01	2.170E-01	2.305E-01	2.735E-01	2.121E-01	2.134E-01	3.912E-01	2.673E-01	1.974E-01	2.538E-01	3.017E-01
105	2.912E+00	1.091E+00	1.108E+00	8.955E-01	1.389E+00	9.649E-01	1.009E+00	1.601E+00	1.313E+00	1.076E+00	1.508E-01	1.570E-01
106	4.047E-01	1.471E-01	1.312E-01	1.484E-01	1.373E-01	1.337E-01	1.545E-01	1.974E-01	1.398E-01	1.172E-01	2.465E-01	2.673E-01
107	3.605E-01	1.251E-01	8.878E-02	1.239E-01	1.078E-01	9.945E-02	8.277E-02	1.386E-01	1.075E-01	1.071E-01	1.178E-01	1.239E-01
108	2.367E-01	1.962E-01	1.827E-01	1.386E-01	2.060E-01	1.447E-01	1.337E-01	1.435E-01	1.324E-01	1.324E-01	1.741E-01	1.082E-01
109	6.916E-03	5.322E-03	4.672E-03	6.720E-03	1.078E-02	6.953E-03	4.660E-03	1.068E-02	4.402E-03	7.002E-03	0.000E+00	2.575E-03
110	0.000E+00	2.072E-02	2.219E-02	2.992E-02	1.937E-02	1.226E-02	1.447E-02	1.349E-02	1.324E-02	1.778E-02	2.563E-03	0.000E+00
111	4.942E-03	1.839E-02	1.876E-02	2.330E-02	2.158E-02	1.447E-02	1.913E-02	9.258E-03	1.950E-02	1.974E-02	2.563E-03	0.000E+00
112	3.948E-03	1.839E-02	1.459E-02	1.655E-02	1.078E-02	1.226E-02	1.086E-02	1.275E-02	1.263E-02	1.852E-02	5.126E-03	2.575E-03
113	1.974E-03	4.145E-03	5.261E-03	5.162E-03	2.158E-03	2.134E-03	4.145E-03	8.547E-03	4.402E-03	5.739E-03	2.563E-03	0.000E+00
114	5.935E-03	4.145E-03	7.014E-03	9.307E-03	9.344E-03	1.069E-02	6.720E-03	9.258E-03	6.291E-03	7.002E-03	0.000E+00	0.000E+00
115	1.974E-03	7.701E-03	7.603E-03	8.265E-03	1.078E-02	8.559E-03	7.247E-03	5.690E-03	5.665E-03	7.639E-03	0.000E+00	0.000E+00
116	2.968E-03	4.145E-03	1.754E-03	4.132E-03	1.435E-03	3.740E-03	2.587E-03	4.267E-03	1.888E-03	1.913E-03	0.000E+00	0.000E+00
117	2.968E-03	1.300E-02	5.261E-03	1.496E-02	1.007E-02	1.288E-02	6.205E-03	7.112E-03	6.916E-03	1.337E-02	0.000E+00	2.575E-03
118	1.974E-03	4.733E-03	2.918E-03	5.690E-03	4.316E-03	5.886E-03	5.175E-03	7.823E-03	3.777E-03	8.277E-03	0.000E+00	0.000E+00
119	5.935E-03	1.066E-02	4.096E-03	1.085E-02	5.751E-03	7.492E-03	5.690E-03	4.979E-03	8.179E-03	6.376E-03	2.563E-03	0.000E+00
120	1.974E-03	7.100E-03	5.849E-03	5.162E-03	1.223E-02	6.413E-03	8.792E-03	1.275E-02	9.442E-03	4.464E-03	0.000E+00	2.575E-03
121	3.713E-02	1.852E-02	7.320E-03	3.562E-02	5.850E-02	4.684E-02	9.706E-03	2.671E-02	4.337E-02	1.995E-02	1.122E-01	4.835E-02
122	9.261E-02	6.296E-02	8.050E-02	1.069E-01	8.994E-02	1.336E-01	1.291E-01	1.336E-01	7.088E-02	9.172E-02	4.328E-01	5.156E-01
123	1.024E+00	1.986E+00	1.558E+00	2.289E+00	2.182E+00	2.021E+00	2.262E+00	2.476E+00	1.638E+00	2.093E+00	6.002E+00	5.378E+00

	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG
124	4.951E-02	2.226E-02	2.199E-02	3.882E-02	2.698E-02	1.336E-02	1.941E-02	3.562E-02	7.881E-03	2.787E-02	3.206E-02	6.447E-02
125	6.189E-02	3.339E-02	2.565E-02	4.533E-02	9.884E-02	8.032E-02	1.941E-02	6.242E-02	3.936E-02	6.776E-02	8.014E-02	4.835E-02
126	2.912E-01	1.131E+00	5.966E-01	6.500E-01	2.476E-01	7.133E-01	3.882E-01	5.031E-01	4.292E-01	2.912E-01	2.164E+00	1.692E+00
127	1.069E+00	2.395E+00	9.261E-01	1.683E+00	1.238E+00	1.434E+00	1.104E+00	1.567E+00	1.095E+00	8.611E-01	7.373E+00	7.686E+00
128	4.452E-01	2.102E+00	1.345E+00	1.817E+00	1.906E+00	1.380E+00	1.888E+00	1.897E+00	1.701E+00	1.282E+00	4.363E+00	4.043E+00
129	1.852E-02	4.078E-02	3.660E-02	3.882E-02	5.396E-02	3.348E-02	3.562E-02	4.898E-02	6.696E-02	5.183E-02	4.809E-02	8.059E-02
130	6.118E+00	7.652E+00	5.067E+00	6.392E+00	7.056E+00	7.935E+00	6.572E+00	4.408E+00	4.898E+00	2.591E+00	7.391E+01	7.940E+01
131	5.521E+00	4.025E+00	4.764E+00	6.939E+00	3.927E+00	7.490E+00	4.515E+00	5.387E+00	3.767E+00	4.577E+00	4.166E+01	4.447E+01
132	4.951E-02	3.339E-02	3.295E-02	3.562E-02	2.253E-02	4.354E-02	3.562E-02	4.898E-02	4.728E-02	1.594E-02	1.603E-02	3.224E-02
133	1.238E-02	5.557E-02	1.825E-02	1.941E-02	1.354E-02	3.348E-03	1.941E-02	1.781E-02	1.576E-02	2.395E-02	1.603E-02	0.000E+00
134	1.238E-02	2.965E-02	1.460E-02	6.474E-03	8.994E-03	1.336E-02	1.291E-02	2.226E-02	7.881E-03	1.193E-02	3.206E-02	0.000E+00
135	6.189E-03	7.409E-03	1.095E-02	3.882E-02	4.497E-02	2.680E-02	1.941E-02	2.226E-02	2.360E-02	1.995E-02	1.603E-02	1.612E-02
136	3.090E-02	1.852E-02	1.095E-02	9.706E-03	1.354E-02	0.000E+00	2.271E-02	2.671E-02	3.152E-02	1.995E-02	0.000E+00	0.000E+00
137	2.476E-02	4.817E-02	7.685E-02	2.591E-02	6.305E-02	2.680E-02	2.912E-02	1.024E-01	7.881E-02	4.390E-02	0.000E+00	3.224E-02
138	1.852E-02	5.557E-02	2.565E-02	1.621E-02	2.698E-02	3.348E-02	3.241E-02	1.781E-02	2.360E-02	7.979E-03	3.206E-02	1.612E-02
139	9.884E-02	2.894E-01	2.707E-01	1.719E-01	1.398E-01	2.378E-01	1.817E-01	1.870E-01	2.244E-01	1.158E-01	5.931E-01	3.865E-01
140	4.951E-02	1.300E-01	6.955E-02	1.104E-01	1.033E-01	9.706E-02	1.487E-01	2.093E-01	1.104E-01	4.782E-02	1.923E-01	1.772E-01
141	2.351E-01	4.817E-02	4.390E-02	4.203E-02	5.396E-02	2.680E-02	3.562E-02	9.795E-02	1.184E-02	3.188E-02	1.603E-02	1.612E-02
142	2.476E-02	2.226E-02	2.199E-02	2.262E-02	8.994E-03	1.674E-02	1.621E-02	8.905E-03	1.184E-02	1.594E-02	4.809E-02	3.224E-02
143	1.852E-02	1.852E-02	2.930E-02	6.474E-03	2.698E-02	4.016E-02	1.621E-02	4.452E-02	7.881E-03	2.395E-02	3.206E-02	1.612E-02
144	6.189E-03	3.339E-02	2.199E-02	2.912E-02	5.850E-02	3.687E-02	2.271E-02	3.117E-02	5.120E-02	1.995E-02	3.206E-02	1.612E-02
145	0.000E+00	3.704E-02	2.199E-02	1.941E-02	4.497E-03	3.348E-03	2.591E-02	2.226E-02	1.968E-02	1.995E-02	0.000E+00	1.131E-01
146	2.102E-01	3.411E-01	1.647E-01	1.683E-01	2.297E-01	2.146E-01	2.529E-01	2.182E-01	2.440E-01	1.077E-01	6.411E-01	5.156E-01
147	1.549E-01	4.114E-01	1.576E-01	9.706E-02	9.439E-02	6.358E-02	1.291E-01	1.469E-01	1.104E-01	7.578E-02	2.885E-01	2.582E-01
148	1.362E-01	8.522E-01	3.553E-01	3.918E-01	3.108E-01	2.511E-01	4.310E-01	2.983E-01	3.268E-01	2.556E-01	5.610E-01	9.350E-01
149	1.300E-01	1.781E-01	6.955E-02	1.104E-01	4.951E-02	6.358E-02	8.424E-02	9.795E-02	8.272E-02	7.177E-02	1.603E-01	1.131E-01
150	6.189E-03	2.591E-02	2.199E-02	3.562E-02	4.497E-02	3.687E-02	3.241E-02	2.671E-02	2.760E-02	2.395E-02	8.014E-02	6.447E-02
151	1.238E-02	4.078E-02	1.095E-02	9.706E-03	4.052E-02	2.680E-02	1.291E-02	8.905E-03	1.576E-02	2.395E-02	4.809E-02	3.224E-02
152	2.476E-02	1.478E-02	2.199E-02	2.591E-02	2.253E-02	5.690E-02	2.591E-02	3.117E-02	3.152E-02	2.395E-02	3.206E-02	0.000E+00
153	6.189E-03	2.965E-02	1.460E-02	1.941E-02	1.354E-02	3.348E-02	2.271E-02	8.905E-03	1.576E-02	7.979E-03	3.206E-02	1.612E-02
154	0.000E+00	2.591E-02	3.660E-03	1.291E-02	4.497E-03	6.696E-03	9.706E-03	3.117E-02	1.184E-02	3.989E-03	1.603E-02	1.612E-02
155	4.328E-02	4.443E-02	2.565E-02	9.706E-03	4.052E-02	2.680E-02	1.941E-02	8.905E-03	7.881E-03	1.193E-02	1.603E-02	0.000E+00
156	3.402E-01	3.037E-01	3.108E-01	5.245E-01	3.241E-01	4.791E-01	5.316E-01	3.740E-01	2.048E-01	2.716E-01	1.238E+00	1.193E+00
157	1.736E-01	1.968E-01	1.612E-01	1.683E-01	1.665E-01	1.505E-01	1.621E-01	1.647E-01	1.104E-01	8.771E-02	6.892E-01	3.865E-01
158	4.390E-01	5.815E-01	3.143E-01	4.497E-01	5.396E-01	3.820E-01	5.859E-01	3.428E-01	3.188E-01	1.950E-01	1.362E+00	1.140E+00
159	1.113E-01	1.220E-01	1.247E-01	1.425E-01	1.122E-01	5.361E-02	1.291E-01	1.336E-01	1.024E-01	6.385E-02	3.206E-01	3.063E-01
160	2.476E-02	5.557E-02	2.565E-02	3.562E-02	3.598E-02	4.354E-02	3.882E-02	1.336E-02	3.544E-02	1.193E-02	4.809E-02	3.224E-02
161	4.328E-02	2.965E-02	2.199E-02	2.591E-02	4.052E-02	4.016E-02	3.241E-02	3.562E-02	6.305E-02	2.395E-02	1.603E-02	9.706E-02
162	3.713E-02	2.591E-02	5.120E-02	4.533E-02	2.698E-02	3.010E-02	2.912E-02	4.007E-02	1.184E-02	4.390E-02	1.603E-02	0.000E+00
163	1.852E-02	2.226E-02	2.565E-02	1.291E-02	1.799E-02	3.010E-02	1.291E-02	4.007E-02	1.968E-02	3.989E-03	1.603E-02	0.000E+00
164	1.852E-02	7.409E-03	1.825E-02	6.474E-03	4.052E-02	2.680E-02	9.706E-03	1.336E-02	1.576E-02	1.995E-02	1.603E-02	4.835E-02

	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG
165	6.189E-03	4.078E-02	5.850E-02	1.621E-02	1.354E-02	3.348E-02	1.291E-02	3.117E-02	1.576E-02	1.594E-02	0.000E+00	1.612E-02
166	6.803E-02	8.148E-02	4.025E-02	5.824E-02	5.396E-02	5.361E-02	9.350E-02	7.133E-02	3.936E-02	5.183E-02	9.617E-02	1.612E-01
167	2.413E-01	2.110E-01	1.719E-01	2.458E-01	2.609E-01	2.306E-01	3.045E-01	1.603E-01	2.600E-01	1.113E-01	5.129E-01	5.316E-01
168	1.612E-01	9.973E-02	8.780E-02	1.549E-01	1.754E-01	1.175E-01	1.558E-01	1.514E-01	1.060E-01	1.158E-01	1.763E-01	1.772E-01
169	7.427E-02	5.931E-02	6.589E-02	2.912E-02	6.305E-02	3.687E-02	6.803E-02	2.226E-02	3.544E-02	5.583E-02	4.809E-02	6.447E-02
170	2.476E-02	4.443E-02	3.660E-02	2.912E-02	4.951E-02	3.687E-02	3.882E-02	4.452E-02	5.120E-02	6.776E-02	6.411E-02	1.612E-02
171	1.238E-02	8.522E-02	2.199E-02	3.562E-02	3.598E-02	1.006E-02	4.533E-02	5.343E-02	1.968E-02	1.193E-02	3.206E-02	0.000E+00
172	8.694E-02	4.181E-02	5.849E-02	5.212E-02	5.212E-02	5.212E-02	8.964E-02	9.209E-02	9.270E-02	7.639E-02	1.435E-01	1.447E-01
173	1.295E+00	1.985E+00	2.284E+00	1.973E+00	2.725E+00	1.807E+00	1.883E+00	3.102E+00	2.279E+00	2.090E+00	1.100E+00	1.309E+00
174	1.621E+00	3.708E+00	4.126E+00	3.514E+00	4.744E+00	2.964E+00	2.929E+00	5.124E+00	3.649E+00	3.437E+00	1.033E+00	1.194E+00
175	4.697E-01	8.675E-01	8.434E-01	7.925E-01	9.364E-01	8.147E-01	7.386E-01	1.088E+00	8.499E-01	7.639E-01	1.084E+00	1.309E+00
176	1.502E+00	2.053E+00	2.310E+00	1.918E+00	3.046E+00	2.202E+00	2.103E+00	2.923E+00	1.980E+00	2.428E+00	3.913E+00	4.327E+00
177	5.935E-01	8.445E-01	8.943E-01	1.072E+00	1.085E+00	9.770E-01	1.020E+00	1.336E+00	6.658E-01	6.953E-01	3.926E+00	3.843E+00
178	1.410E-01	1.496E-01	2.367E-01	1.692E-01	1.987E-01	1.582E-01	3.188E-01	2.085E-01	1.704E-01	1.312E-01	4.880E-01	5.788E-01
179	1.704E-02	2.097E-02	2.820E-02	3.078E-02	2.477E-02	2.207E-02	4.954E-02	3.740E-02	2.440E-02	3.078E-02	7.284E-02	7.321E-02
180	1.193E-02	1.072E-02	1.815E-02	8.915E-03	1.987E-02	1.288E-02	1.251E-02	3.311E-02	1.193E-02	1.263E-02	1.104E-02	1.557E-02
181	1.704E-02	9.700E-03	2.060E-02	1.113E-02	1.606E-02	1.521E-02	1.115E-02	6.744E-03	9.221E-03	1.533E-02	1.324E-02	2.440E-02
182	6.156E-01	7.345E-02	9.368E-02	6.953E-02	1.066E-01	7.149E-02	8.694E-02	1.729E-01	9.651E-02	7.468E-02	3.090E-02	1.778E-02
183	5.457E+00	1.327E+00	1.525E+00	1.346E+00	2.020E+00	1.436E+00	1.740E+00	2.730E+00	2.052E+00	1.553E+00	6.708E-01	9.013E-01
184	6.608E+00	1.519E+00	1.751E+00	1.582E+00	2.213E+00	1.570E+00	1.929E+00	3.317E+00	2.049E+00	1.575E+00	7.247E-01	8.056E-01
185	4.269E+00	1.174E+00	1.315E+00	1.061E+00	1.577E+00	1.010E+00	1.346E+00	2.280E+00	1.463E+00	1.073E+00	3.115E-01	3.127E-01
186	6.914E+00	2.261E+00	2.726E+00	2.144E+00	2.941E+00	2.079E+00	2.344E+00	4.369E+00	2.866E+00	2.224E+00	1.301E+00	1.527E+00
187	1.554E+00	4.942E-01	4.954E-01	5.506E-01	6.266E-01	5.359E-01	5.763E-01	8.510E-01	6.769E-01	5.138E-01	3.605E-01	4.721E-01
188	1.754E-01	5.310E-02	3.826E-02	4.991E-02	5.886E-02	5.297E-02	4.733E-02	6.867E-02	7.161E-02	5.432E-02	4.856E-02	7.983E-02
189	8.007E-02	1.020E-02	1.263E-02	1.025E-02	9.920E-03	1.288E-02	1.386E-02	1.655E-02	1.085E-02	8.792E-03	1.987E-02	1.999E-02
190	6.033E-01	2.036E-01	1.974E-01	1.337E-01	2.195E-01	1.668E-01	1.827E-01	2.771E-01	1.557E-01	1.422E-01	2.269E-01	1.913E-01
191	7.121E+00	2.007E+00	2.206E+00	2.603E+00	3.059E+00	2.525E+00	2.962E+00	4.163E+00	1.952E+00	1.735E+00	4.061E+00	3.890E+00
192	2.137E+00	5.015E-01	6.830E-01	6.438E-01	8.471E-01	6.254E-01	1.208E+00	1.066E+00	6.266E-01	4.844E-01	8.056E-01	8.804E-01
193	3.139E-01	8.927E-02	1.023E-01	9.172E-02	1.349E-01	9.454E-02	1.754E-01	2.048E-01	1.036E-01	9.221E-02	1.459E-01	1.643E-01
194	1.631E-01	9.442E-02	9.822E-02	6.818E-02	1.471E-01	5.714E-02	8.069E-02	1.570E-01	1.161E-01	1.026E-01	1.766E-02	2.661E-02
195	6.818E-02	3.679E-02	4.733E-02	3.335E-02	6.757E-02	2.538E-02	3.078E-02	5.702E-02	6.070E-02	4.341E-02	4.414E-03	8.878E-03
196	4.034E-01	9.393E-02	1.058E-01	1.263E-01	1.570E-01	1.803E-01	1.619E-01	1.839E-01	1.422E-01	1.864E-01	2.587E-01	2.955E-01
197	3.335E-01	6.070E-02	7.357E-02	1.118E-01	1.251E-01	1.208E-01	1.324E-01	1.545E-01	9.540E-02	1.170E-01	1.148E-01	1.263E-01
198	1.925E-01	4.893E-02	4.733E-02	6.278E-02	7.308E-02	7.051E-02	8.473E-02	1.031E-01	7.161E-02	7.247E-02	4.635E-02	4.218E-02
199	1.606E-01	9.896E-02	1.361E-01	9.577E-02	2.440E-01	1.386E-01	1.459E-01	2.600E-01	1.692E-01	1.484E-01	8.829E-03	8.878E-03
200	1.643E-01	6.536E-02	7.860E-02	5.297E-02	1.183E-01	7.382E-02	9.773E-02	1.459E-01	1.128E-01	8.792E-02	6.622E-03	4.439E-03
201	6.303E-02	4.746E-02	5.641E-02	4.010E-02	6.879E-02	3.139E-02	3.654E-02	6.193E-02	5.530E-02	4.672E-02	6.622E-03	2.219E-02
202	1.193E-02	4.083E-03	8.559E-03	4.905E-03	1.422E-02	1.288E-02	6.695E-03	3.679E-03	9.761E-03	9.332E-03	2.207E-03	0.000E+00
203	3.409E-03	2.036E-03	5.040E-04	1.778E-03	1.864E-03	1.386E-03	4.464E-04	0.000E+00	0.000E+00	2.195E-03	2.207E-03	2.219E-03
204	1.193E-02	6.634E-03	1.410E-02	4.010E-03	1.545E-02	1.288E-02	1.071E-02	1.044E-02	9.221E-03	1.422E-02	4.414E-03	0.000E+00
205	8.522E-04	0.000E+00	1.508E-03	4.451E-04	6.193E-04	3.225E-03	4.464E-04	2.452E-03	1.631E-03	2.747E-03	0.000E+00	2.219E-03

	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG
206	5.960E-03	1.072E-02	1.109E-02	5.788E-03	1.545E-02	1.704E-02	1.557E-02	6.744E-03	1.361E-02	2.085E-02	0.000E+00	0.000E+00
207	8.522E-04	1.020E-03	0.000E+00	1.337E-03	2.477E-03	4.611E-04	8.915E-04	6.131E-04	5.420E-04	1.099E-03	0.000E+00	0.000E+00
208	7.664E-03	5.101E-03	2.011E-03	3.568E-03	3.102E-03	3.225E-03	4.464E-03	3.066E-03	2.170E-03	6.585E-03	0.000E+00	0.000E+00
209	0.000E+00	5.101E-04	1.008E-03	4.451E-04	6.193E-04	9.221E-04	0.000E+00	1.839E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
210	1.704E-03	1.020E-03	5.040E-04	1.337E-03	0.000E+00	4.611E-04	1.337E-03	6.131E-04	1.085E-03	0.000E+00	0.000E+00	0.000E+00
211	0.000E+00	5.101E-04	0.000E+00	4.451E-04	0.000E+00	9.221E-04	4.464E-04	1.226E-03	1.085E-03	5.494E-04	0.000E+00	0.000E+00
212	8.522E-04	5.101E-04	2.011E-03	1.337E-03	0.000E+00	9.221E-04	4.464E-04	6.131E-04	5.420E-04	0.000E+00	0.000E+00	0.000E+00
213	3.409E-03	3.066E-03	2.514E-03	2.232E-03	6.193E-04	5.996E-03	8.915E-04	2.452E-03	2.170E-03	3.299E-03	0.000E+00	2.219E-03
214	3.409E-03	1.020E-03	1.508E-03	8.915E-04	2.477E-03	1.386E-03	1.778E-03	1.839E-03	1.085E-03	1.099E-03	0.000E+00	0.000E+00
215	0.000E+00	1.020E-03	0.000E+00	4.451E-04	6.193E-04	1.839E-03	8.915E-04	0.000E+00	0.000E+00	2.195E-03	2.207E-03	0.000E+00
216	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.716E-03	0.000E+00	0.000E+00	6.131E-04	5.420E-04	5.494E-04	4.414E-03	2.219E-03
217	1.704E-03	1.020E-03	5.040E-04	1.337E-03	6.193E-04	0.000E+00	0.000E+00	1.226E-03	1.085E-03	5.494E-04	0.000E+00	0.000E+00
218	6.758E+00	1.488E+00	1.434E+00	1.558E+00	2.144E+00	1.708E+00	2.018E+00	3.341E+00	2.380E+00	1.785E+00	1.559E+00	1.864E+00
219	9.123E-02	1.680E-02	2.722E-02	1.203E-02	2.477E-02	1.251E-02	2.318E-02	2.698E-02	2.600E-02	1.974E-02	1.324E-02	6.658E-03
220	8.478E-01	1.334E+00	1.641E+00	2.222E+00	1.244E+00	1.388E+00	1.735E+00	1.861E+00	1.562E+00	1.395E+00	1.391E+00	1.479E+00
221	2.203E+01	5.131E+01	5.032E+01	6.808E+01	6.135E+01	5.426E+01	6.121E+01	5.247E+01	5.049E+01	6.726E+01	3.937E+01	3.468E+01
222	1.004E+01	5.639E+01	5.316E+01	5.194E+01	3.404E+01	4.994E+01	4.369E+01	4.221E+01	4.252E+01	3.946E+01	6.328E+01	6.023E+01
223	7.574E+00	2.902E+01	2.443E+01	3.537E+01	2.459E+01	2.632E+01	2.550E+01	2.911E+01	2.310E+01	3.020E+01	2.758E+01	2.473E+01
224	5.324E+00	2.061E+01	2.202E+01	2.603E+01	2.811E+01	1.958E+01	2.210E+01	2.008E+01	1.860E+01	2.871E+01	1.537E+01	1.284E+01
225	1.308E+01	1.449E+01	1.260E+01	1.617E+01	1.881E+01	1.614E+01	1.967E+01	1.503E+01	1.459E+01	1.197E+01	2.939E+01	2.780E+01
226	2.766E+00	4.730E+00	6.335E+00	9.547E+00	7.828E+00	8.226E+00	8.025E+00	9.009E+00	5.410E+00	1.003E+01	1.276E+01	1.054E+01
227	1.437E+00	2.105E+00	1.972E+00	3.638E+00	2.285E+00	2.297E+00	2.749E+00	3.492E+00	1.625E+00	3.175E+00	3.957E+00	3.366E+00
228	2.928E-01	2.312E-01	3.629E-01	2.778E-01	3.122E-01	3.793E-01	3.793E-01	2.389E-01	3.848E-01	5.720E-01	2.219E-01	3.129E-01
229	3.060E-01	2.606E-01	3.780E-01	2.834E-01	3.468E-01	4.175E-01	3.928E-01	2.505E-01	4.160E-01	5.780E-01	3.065E-01	3.573E-01
230	2.164E+01	3.818E+01	3.440E+01	2.937E+01	3.767E+01	3.796E+01	2.919E+01	3.201E+01	4.172E+01	4.425E+01	3.369E+01	3.323E+01
231	3.464E+00	3.803E+00	4.342E+00	3.660E+00	4.230E+00	4.685E+00	4.334E+00	3.823E+00	5.234E+00	5.503E+00	3.853E+00	4.292E+00
232	1.833E+00	1.683E+00	1.693E+00	1.800E+00	1.603E+00	1.790E+00	1.313E+00	1.814E+00	1.710E+00	2.620E+00	1.514E+00	1.506E+00
233	4.456E+00	6.466E+00	5.422E+00	5.853E+00	5.109E+00	6.443E+00	4.914E+00	5.780E+00	5.996E+00	5.919E+00	4.059E+00	4.358E+00
234	1.976E+01	1.385E+01	1.675E+01	1.668E+01	1.578E+01	1.605E+01	1.740E+01	1.919E+01	2.088E+01	1.996E+01	1.447E+01	1.467E+01
235	1.018E+01	8.974E+00	9.408E+00	9.400E+00	9.499E+00	9.522E+00	1.039E+01	1.145E+01	1.054E+01	1.068E+01	1.086E+01	1.009E+01
236	5.714E-01	6.733E-01	8.758E-01	9.882E-01	8.464E-01	1.033E+00	5.608E-01	4.902E-01	6.132E-01	1.182E+00	4.414E-01	5.238E-01
237	4.946E+00	5.046E+00	6.176E+00	6.100E+00	3.844E+00	6.047E+00	2.835E+00	3.729E+00	2.746E+00	4.129E+00	5.100E+00	5.517E+00
238	9.290E+00	6.526E+00	7.336E+00	6.453E+00	5.342E+00	6.440E+00	4.866E+00	7.184E+00	5.418E+00	6.365E+00	6.659E+00	6.522E+00
239	2.278E+00	1.343E+00	1.495E+00	1.238E+00	1.209E+00	1.237E+00	1.164E+00	1.307E+00	1.173E+00	1.393E+00	1.185E+00	1.291E+00
240	1.100E+01	1.651E+01	1.564E+01	1.230E+01	1.084E+01	1.159E+01	1.227E+01	1.442E+01	1.573E+01	1.321E+01	5.513E+00	6.601E+00
241	2.435E+02	2.556E+02	2.592E+02	2.360E+02	1.837E+02	2.333E+02	2.465E+02	2.428E+02	2.282E+02	1.988E+02	2.645E+02	2.597E+02
242	2.076E+02	1.427E+02	1.479E+02	1.769E+02	1.484E+02	1.474E+02	1.634E+02	1.843E+02	1.433E+02	1.678E+02	1.572E+02	1.534E+02
243	1.779E+01	1.178E+01	1.263E+01	1.632E+01	1.305E+01	1.315E+01	1.421E+01	1.689E+01	1.260E+01	1.540E+01	1.509E+01	1.380E+01
244	1.257E+01	1.040E+01	7.068E+00	9.751E+00	1.208E+01	1.023E+01	7.033E+00	8.391E+00	7.512E+00	7.447E+00	1.364E+01	1.487E+01
245	6.291E+00	5.719E+00	5.495E+00	5.115E+00	5.309E+00	5.790E+00	3.804E+00	4.837E+00	4.012E+00	4.220E+00	5.175E+00	5.915E+00
246	1.090E+01	7.622E+00	8.771E+00	7.648E+00	5.281E+00	7.143E+00	5.846E+00	6.756E+00	5.280E+00	6.717E+00	6.113E+00	7.330E+00

	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG
247	9.138E+00	4.391E+00	5.523E+00	5.274E+00	4.366E+00	4.859E+00	4.321E+00	4.682E+00	4.464E+00	5.475E+00	3.674E+00	4.488E+00
248	1.444E+02	6.709E+01	6.504E+01	7.288E+01	8.507E+01	6.843E+01	9.865E+01	7.329E+01	6.744E+01	5.029E+01	1.089E+02	1.085E+02
249	1.051E+02	7.199E+01	6.396E+01	5.835E+01	6.365E+01	5.164E+01	9.002E+01	5.971E+01	5.772E+01	4.418E+01	7.060E+01	7.367E+01
250	1.158E+02	1.395E+02	1.482E+02	1.328E+02	1.147E+02	1.199E+02	1.297E+02	1.331E+02	1.152E+02	1.123E+02	1.553E+02	1.522E+02
251	4.425E+01	4.934E+01	5.189E+01	5.188E+01	5.171E+01	4.760E+01	4.817E+01	5.416E+01	5.075E+01	5.663E+01	4.362E+01	4.187E+01
252	3.243E+00	3.411E+00	3.312E+00	3.821E+00	3.936E+00	3.510E+00	3.178E+00	3.736E+00	3.678E+00	4.511E+00	2.395E+00	2.330E+00
253	4.130E+00	3.663E+00	3.444E+00	4.201E+00	4.820E+00	4.469E+00	2.562E+00	3.767E+00	3.509E+00	4.836E+00	4.034E+00	4.308E+00
254	1.346E+01	9.661E+00	7.488E+00	9.265E+00	9.756E+00	8.795E+00	6.642E+00	1.006E+01	7.291E+00	6.999E+00	1.180E+01	1.266E+01
255	1.611E+01	8.660E+00	6.735E+00	8.110E+00	9.227E+00	8.121E+00	7.178E+00	8.200E+00	6.865E+00	6.720E+00	9.255E+00	1.040E+01
256	6.979E+00	2.937E+00	2.797E+00	2.699E+00	3.509E+00	3.019E+00	2.919E+00	3.449E+00	2.943E+00	2.940E+00	2.208E+00	2.816E+00
257	6.871E+00	5.485E+00	5.757E+00	5.139E+00	5.318E+00	6.202E+00	4.282E+00	4.678E+00	5.725E+00	5.759E+00	3.436E+00	4.018E+00
258	4.685E+01	2.245E+01	2.181E+01	2.948E+01	2.856E+01	2.454E+01	2.841E+01	3.244E+01	1.871E+01	2.736E+01	3.515E+01	3.207E+01
259	8.475E+01	4.146E+01	4.237E+01	4.233E+01	6.206E+01	3.735E+01	5.757E+01	4.842E+01	3.914E+01	3.545E+01	6.075E+01	5.761E+01
260	5.358E+01	3.251E+01	3.762E+01	2.998E+01	5.078E+01	3.300E+01	4.779E+01	3.586E+01	3.776E+01	3.404E+01	2.864E+01	2.895E+01
261	3.118E+01	3.131E+01	3.341E+01	2.794E+01	4.600E+01	3.813E+01	3.258E+01	3.223E+01	4.092E+01	3.773E+01	2.265E+01	2.274E+01
262	7.603E+00	1.132E+01	1.270E+01	9.842E+00	1.686E+01	1.569E+01	1.139E+01	1.086E+01	1.604E+01	1.612E+01	6.915E+00	6.699E+00
263	5.359E+00	2.597E+00	2.596E+00	3.400E+00	3.018E+00	3.068E+00	2.293E+00	3.898E+00	2.305E+00	3.693E+00	3.089E+00	3.547E+00
264	5.523E+00	2.649E+00	2.161E+00	2.885E+00	2.949E+00	3.031E+00	2.383E+00	4.559E+00	2.276E+00	3.173E+00	2.504E+00	2.617E+00
265	4.173E+00	2.196E+00	1.707E+00	2.104E+00	2.654E+00	2.329E+00	1.999E+00	3.305E+00	2.132E+00	2.438E+00	1.678E+00	1.764E+00
266	3.210E+00	2.034E+00	1.807E+00	1.447E+00	2.109E+00	2.098E+00	1.918E+00	2.358E+00	2.049E+00	2.468E+00	5.863E-01	6.819E-01
267	3.625E+00	2.065E+00	1.927E+00	1.595E+00	2.171E+00	2.036E+00	1.857E+00	2.101E+00	2.220E+00	2.368E+00	9.319E-01	1.016E+00
268	1.644E+01	7.869E+00	1.024E+01	1.572E+01	1.498E+01	1.214E+01	1.434E+01	2.021E+01	9.903E+00	1.728E+01	1.333E+01	1.367E+01
269	1.239E+01	6.057E+00	7.703E+00	9.992E+00	1.191E+01	8.574E+00	1.115E+01	1.450E+01	7.736E+00	1.367E+01	6.792E+00	6.045E+00
270	6.029E+00	3.168E+00	3.258E+00	3.800E+00	5.254E+00	3.516E+00	4.661E+00	5.783E+00	3.506E+00	5.022E+00	2.306E+00	2.161E+00
271	7.219E+00	1.499E+01	1.367E+01	1.185E+01	1.301E+01	1.711E+01	1.331E+01	1.133E+01	1.484E+01	1.362E+01	1.150E+01	1.012E+01
272	5.131E+01	9.237E+01	8.753E+01	7.171E+01	9.329E+01	9.101E+01	6.900E+01	7.727E+01	9.872E+01	9.823E+01	8.466E+01	8.508E+01
273	6.011E+01	1.031E+02	9.801E+01	8.454E+01	1.052E+02	1.013E+02	7.704E+01	8.497E+01	1.098E+02	1.129E+02	7.895E+01	8.416E+01
274	7.824E+00	1.445E+01	1.309E+01	1.237E+01	1.548E+01	1.576E+01	1.146E+01	1.195E+01	1.785E+01	1.706E+01	1.272E+01	1.218E+01
275	6.831E-01	1.327E+00	6.823E-01	5.070E-01	5.091E-01	7.159E-01	5.068E-01	6.600E-01	8.054E-01	5.995E-01	4.733E-01	4.670E-01
276	6.673E+00	1.245E+01	7.972E+00	9.654E+00	9.090E+00	1.099E+01	7.747E+00	9.941E+00	1.080E+01	1.135E+01	6.241E+00	7.067E+00
277	1.775E+01	2.315E+01	1.976E+01	2.109E+01	2.521E+01	2.350E+01	1.905E+01	2.176E+01	3.229E+01	3.069E+01	1.706E+01	1.789E+01
278	1.794E+01	2.296E+01	1.972E+01	2.148E+01	2.554E+01	2.342E+01	1.924E+01	2.260E+01	3.217E+01	3.039E+01	1.669E+01	1.694E+01
279	6.551E+00	4.888E+00	5.396E+00	6.271E+00	6.390E+00	6.036E+00	6.614E+00	6.941E+00	1.074E+01	7.957E+00	4.982E+00	5.323E+00
280	5.091E+00	7.564E+00	6.323E+00	6.213E+00	5.190E+00	6.407E+00	5.427E+00	6.211E+00	6.667E+00	6.297E+00	3.712E+00	4.281E+00
281	1.129E+02	1.223E+02	1.267E+02	1.234E+02	9.032E+01	1.179E+02	1.222E+02	1.175E+02	1.108E+02	9.880E+01	1.152E+02	1.292E+02
282	9.269E+01	1.042E+02	1.068E+02	1.050E+02	7.697E+01	1.009E+02	1.036E+02	1.002E+02	9.431E+01	8.501E+01	1.128E+02	1.094E+02
283	5.817E+01	3.863E+01	3.690E+01	5.476E+01	4.019E+01	4.259E+01	4.539E+01	5.485E+01	3.975E+01	4.925E+01	4.501E+01	4.592E+01
284	8.479E+00	5.826E+00	8.054E+00	6.536E+00	5.214E+00	7.109E+00	5.697E+00	4.982E+00	6.471E+00	6.837E+00	4.435E+00	5.419E+00
285	6.248E+01	8.169E+01	8.192E+01	8.039E+01	7.301E+01	7.781E+01	7.321E+01	7.232E+01	7.686E+01	7.732E+01	7.653E+01	7.824E+01
286	4.592E+01	6.095E+01	6.423E+01	6.049E+01	5.940E+01	6.142E+01	5.523E+01	5.383E+01	6.145E+01	6.076E+01	6.316E+01	6.095E+01
287	8.001E+00	8.603E+00	7.781E+00	9.981E+00	8.903E+00	8.844E+00	8.228E+00	9.975E+00	9.488E+00	1.064E+01	7.476E+00	7.640E+00

	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG
288	5.954E+01	6.065E+01	6.008E+01	5.491E+01	8.616E+01	7.442E+01	6.002E+01	6.037E+01	7.835E+01	7.309E+01	4.588E+01	4.978E+01
289	4.470E+01	4.742E+01	4.880E+01	4.352E+01	6.885E+01	5.715E+01	4.620E+01	4.777E+01	6.303E+01	5.678E+01	3.863E+01	3.885E+01
290	1.578E+01	2.013E+01	2.196E+01	2.018E+01	3.122E+01	3.013E+01	2.071E+01	1.783E+01	2.896E+01	2.810E+01	1.407E+01	1.471E+01
291	1.184E+01	1.657E+01	1.756E+01	1.615E+01	2.565E+01	2.496E+01	1.685E+01	1.411E+01	2.423E+01	2.328E+01	1.595E+01	1.612E+01
292	2.170E+00	2.230E+00	2.177E+00	2.119E+00	2.796E+00	2.884E+00	2.099E+00	2.159E+00	2.978E+00	2.905E+00	1.553E+00	1.788E+00
293	1.916E+00	1.365E+00	1.567E+00	1.143E+00	2.295E+00	1.613E+00	1.701E+00	1.553E+00	1.979E+00	1.955E+00	5.260E-01	5.441E-01
294	6.600E+00	1.929E+00	1.917E+00	1.970E+00	1.833E+00	1.906E+00	2.108E+00	1.522E+00	2.048E+00	1.775E+00	3.524E+00	3.407E+00
295	6.469E+00	1.945E+00	1.912E+00	1.919E+00	1.795E+00	2.043E+00	2.142E+00	1.508E+00	2.032E+00	1.804E+00	3.466E+00	3.381E+00
296	5.929E+00	1.240E+00	1.136E+00	1.517E+00	1.167E+00	1.258E+00	1.290E+00	1.091E+00	1.087E+00	1.267E+00	2.325E+00	2.181E+00
297	2.012E-01	3.454E-01	2.689E-01	2.759E-01	2.850E-01	2.245E-01	1.924E-01	2.712E-01	2.965E-01	3.409E-01	6.366E-01	7.204E-01
298	4.054E-03	1.384E-02	1.452E-02	1.141E-02	1.461E-02	1.244E-02	8.195E-03	1.358E-02	1.463E-02	1.545E-02	1.420E-02	2.145E-02
299	4.483E-02	8.474E-02	6.908E-02	1.141E-01	9.611E-02	5.749E-02	6.693E-02	8.045E-02	1.049E-01	1.146E-01	1.124E-01	1.705E-01
300	1.266E-03	3.668E-03	3.840E-03	5.792E-03	7.937E-03	3.282E-03	4.698E-03	4.784E-03	9.696E-03	1.064E-02	8.281E-03	8.495E-03
301	2.832E-02	6.521E-02	5.084E-02	7.830E-02	6.436E-02	4.998E-02	4.677E-02	5.363E-02	5.728E-02	7.401E-02	9.417E-02	1.045E-01
302	9.396E-02	1.493E-02	1.472E-02	9.611E-03	1.667E-02	1.122E-02	9.932E-03	2.210E-02	1.045E-02	1.886E-02	1.006E-02	1.959E-02
303	7.251E-02	2.652E-01	2.221E-01	2.314E-01	2.248E-01	1.525E-01	1.542E-01	1.448E-01	1.982E-01	2.829E-01	2.432E-01	2.809E-01
304	7.101E-02	7.573E-03	6.457E-03	5.620E-03	7.680E-03	4.998E-03	2.789E-03	1.109E-02	6.457E-03	6.028E-03	1.184E-02	1.371E-02
305	1.540E-01	3.393E-01	3.386E-01	3.870E-01	4.158E-01	2.483E-01	3.018E-01	2.993E-01	3.660E-01	4.524E-01	3.822E-01	4.768E-01
306	7.101E-03	2.381E-02	2.617E-02	2.252E-02	3.025E-02	1.950E-02	2.510E-02	1.645E-02	2.982E-02	3.733E-02	2.012E-02	2.553E-02
307	2.373E-01	1.486E+00	1.838E+00	1.680E+00	1.655E+00	1.358E+00	1.115E+00	8.268E-01	1.429E+00	2.262E+00	1.098E+00	1.052E+00
308	4.312E-03	2.403E-02	2.660E-02	3.196E-02	2.617E-02	2.939E-02	2.210E-02	1.148E-02	3.754E-02	4.591E-02	1.774E-02	1.568E-02
309	3.282E-03	4.762E-03	4.441E-03	3.797E-03	4.097E-03	2.596E-03	2.789E-03	3.625E-03	5.878E-03	3.218E-03	2.360E-03	2.617E-03
310	1.774E-03	2.167E-03	1.815E-03	1.268E-03	1.793E-03	1.208E-03	1.394E-03	1.339E-03	1.330E-03	2.006E-04	7.701E-03	3.261E-03
311	1.266E-03	8.645E-04	6.050E-04	9.053E-04	1.025E-03	3.454E-04	3.475E-04	1.914E-04	5.706E-04	4.012E-04	1.774E-03	0.000E+00
312	0.000E+00	2.167E-04	4.033E-04	0.000E+00	1.281E-03	1.727E-04	1.742E-04	0.000E+00	3.797E-04	2.006E-04	0.000E+00	6.521E-04
313	2.051E-02	1.881E-01	1.671E-01	1.403E-01	1.727E-01	1.705E-01	1.233E-01	1.257E-01	1.903E-01	2.203E-01	1.178E-01	1.124E-01
314	7.594E-04	4.333E-03	7.658E-03	4.719E-03	8.452E-03	4.312E-03	3.840E-03	4.977E-03	7.208E-03	7.015E-03	1.774E-03	3.261E-03
315	5.063E-03	3.733E-02	2.960E-02	3.046E-02	3.411E-02	3.089E-02	1.847E-02	3.411E-02	2.896E-02	3.711E-02	1.598E-02	2.360E-02
316	5.063E-04	1.946E-03	2.210E-03	9.053E-04	2.553E-03	8.624E-04	8.710E-04	1.148E-03	9.503E-04	2.006E-03	5.921E-04	0.000E+00
317	6.843E-03	2.467E-02	2.789E-02	2.746E-02	3.411E-02	3.025E-02	2.274E-02	2.917E-02	2.403E-02	4.162E-02	2.188E-02	1.633E-02
318	1.013E-03	1.298E-03	1.210E-03	7.251E-04	7.680E-04	2.072E-03	1.394E-03	2.104E-03	1.899E-03	2.210E-03	1.774E-03	3.261E-03
319	4.012E-02	2.602E-01	2.598E-01	2.089E-01	2.433E-01	2.428E-01	1.873E-01	1.978E-01	1.750E-01	3.098E-01	1.454E-01	1.392E-01
320	0.000E+00	4.333E-04	1.210E-03	1.813E-04	5.127E-04	1.036E-03	8.710E-04	5.728E-04	1.330E-03	4.012E-04	0.000E+00	0.000E+00
321	3.368E-02	2.351E-01	2.014E-01	2.010E-01	2.615E-01	2.188E-01	1.789E-01	2.886E-01	2.502E-01	2.518E-01	1.480E-01	1.326E-01
322	2.274E-03	8.431E-03	7.658E-03	7.980E-03	5.384E-03	8.109E-03	4.526E-03	9.375E-03	7.980E-03	9.439E-03	3.540E-03	5.234E-03
323	4.054E-02	2.745E-01	3.112E-01	2.741E-01	2.935E-01	3.022E-01	2.322E-01	2.394E-01	2.409E-01	3.517E-01	1.798E-01	1.738E-01
324	2.531E-03	6.479E-03	1.068E-02	6.521E-03	1.051E-02	8.109E-03	7.487E-03	6.500E-03	7.594E-03	9.224E-03	1.184E-03	4.569E-03
325	4.054E-03	6.929E-03	8.259E-03	8.345E-03	8.967E-03	7.079E-03	6.436E-03	4.205E-03	8.924E-03	1.103E-02	8.281E-03	6.521E-03
326	7.594E-04	8.645E-04	8.066E-04	9.053E-04	1.538E-03	1.036E-03	1.916E-03	3.818E-04	1.519E-03	1.605E-03	5.921E-04	6.521E-04
327	4.054E-03	9.525E-03	1.291E-02	9.975E-03	1.461E-02	1.002E-02	9.932E-03	6.500E-03	1.197E-02	1.304E-02	7.101E-03	4.569E-03
328	1.519E-03	2.167E-03	0.000E+00	1.268E-03	1.281E-03	8.624E-04	1.742E-03	1.339E-03	1.139E-03	2.810E-03	1.774E-03	0.000E+00

	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG
329	1.025E-01	5.351E-01	4.542E-01	5.178E-01	6.108E-01	4.715E-01	3.226E-01	5.850E-01	6.263E-01	9.959E-01	3.426E-01	3.370E-01
330	2.789E-03	7.787E-03	4.033E-03	3.625E-03	1.103E-02	5.170E-03	3.647E-03	5.363E-03	5.878E-03	6.221E-03	2.360E-03	1.306E-03
331	4.805E-03	4.398E-02	3.904E-02	3.754E-02	4.076E-02	3.368E-02	2.446E-02	3.089E-02	3.218E-02	4.398E-02	1.774E-02	1.306E-02
332	2.531E-03	1.081E-03	8.066E-04	7.251E-04	2.317E-03	6.908E-04	6.972E-04	1.914E-04	1.139E-03	2.006E-04	5.921E-04	0.000E+00
333	4.805E-03	2.660E-02	2.167E-02	2.360E-02	3.282E-02	2.360E-02	1.585E-02	1.549E-02	1.995E-02	2.917E-02	1.184E-02	5.878E-03
334	7.594E-04	2.167E-04	6.050E-04	7.251E-04	7.680E-04	1.727E-04	0.000E+00	1.148E-03	1.899E-04	4.012E-04	0.000E+00	0.000E+00
335	1.291E-02	7.229E-02	6.328E-02	5.642E-02	7.744E-02	6.157E-02	3.754E-02	4.076E-02	4.977E-02	8.130E-02	3.904E-02	2.145E-02
336	7.337E-03	6.050E-03	4.848E-03	3.797E-03	6.672E-03	3.797E-03	2.446E-03	3.432E-03	3.604E-03	4.012E-03	1.184E-03	3.926E-03
337	1.875E-02	1.272E-01	1.150E-01	1.298E-01	1.422E-01	1.058E-01	4.698E-02	9.889E-02	1.036E-01	1.791E-01	6.393E-02	4.441E-02
338	5.063E-04	4.119E-03	2.424E-03	1.088E-03	2.553E-03	2.252E-03	3.475E-04	1.720E-03	2.089E-03	3.411E-03	5.921E-04	1.306E-03
339	6.328E-03	6.908E-02	7.144E-02	6.929E-02	8.860E-02	5.556E-02	3.840E-02	5.127E-02	5.191E-02	8.045E-02	2.012E-02	2.360E-02
340	1.266E-03	2.810E-03	3.025E-03	2.531E-03	2.553E-03	2.939E-03	2.446E-03	1.720E-03	4.183E-03	3.411E-03	5.921E-04	1.959E-03
341	2.027E-03	7.787E-03	4.441E-03	3.261E-03	6.157E-03	2.939E-03	3.132E-03	2.875E-03	3.797E-03	5.020E-03	5.921E-03	4.569E-03
342	0.000E+00	8.645E-04	6.050E-04	1.813E-04	0.000E+00	1.036E-03	0.000E+00	3.818E-04	1.139E-03	4.012E-04	1.774E-03	6.521E-04
343	2.531E-03	6.929E-03	3.432E-03	2.896E-03	6.929E-03	3.625E-03	4.183E-03	5.363E-03	7.980E-03	7.422E-03	4.140E-03	8.495E-03
344	5.063E-04	4.333E-04	4.033E-04	5.427E-04	0.000E+00	1.727E-04	0.000E+00	1.914E-04	5.706E-04	1.004E-03	5.921E-04	6.521E-04

	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU
1	**13637**	**13654**	**13681**	**13690**	**13692**	**13695**	**13713**	**13785**	**13789**	**13804**	**13810**	**13815**	**13817**	**13822**
2	**Benign**	**Benign**	**Benign**	**Benign**	**Benign**	**Benign**	**Benign**	**Early Malignant**	**Benign**	**Benign**	**Benign**	**Benign**	**Benign**	**Benign**
3	1	1	1	1	1	1	1	2	1	1	1	1	1	1
4	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
5	4.624E-01	1.966E+00	1.822E+00	1.321E+00	1.547E+00	1.603E+00	2.682E-01	9.673E-01	2.156E+00	1.786E+00	1.002E+00	2.285E+00	1.878E+00	1.726E+00
6	1.878E-01	8.454E-01	7.486E-01	8.282E-01	5.483E-01	9.608E-01	7.779E-02	7.454E-01	9.010E-01	9.812E-01	5.011E-01	9.001E-01	9.106E-01	9.793E-01
7	6.556E-02	2.886E-01	2.672E-01	1.781E-01	2.629E-01	2.693E-01	4.957E-02	2.285E-01	3.798E-01	2.908E-01	1.502E-01	3.670E-01	3.165E-01	3.798E-01
8	1.524E-01	5.998E-01	7.190E-01	4.807E-01	5.805E-01	5.912E-01	9.195E-02	3.562E-01	7.804E-01	5.826E-01	3.208E-01	6.685E-01	5.461E-01	6.341E-01
9	2.918E-02	2.006E-02	1.845E-02	2.178E-02	3.026E-02	2.650E-02	3.380E-02	3.562E-02	2.210E-02	1.695E-02	3.208E-02	2.232E-02	1.459E-02	1.288E-02
10	4.163E-03	9.528E-03	1.105E-02	1.685E-02	7.124E-03	1.749E-02	3.144E-03	5.472E-03	2.157E-02	1.341E-02	1.137E-02	1.760E-02	1.363E-02	1.609E-02
11	7.285E-03	1.059E-02	1.953E-02	8.895E-03	1.427E-02	1.330E-02	6.288E-03	8.766E-03	1.556E-02	1.588E-02	1.191E-02	1.427E-02	1.320E-02	1.985E-02
12	1.041E-03	1.170E-02	4.753E-03	6.427E-03	1.069E-02	8.498E-03	5.504E-03	4.925E-03	5.923E-03	8.455E-03	4.410E-03	1.045E-02	1.170E-02	4.818E-03
13	9.367E-03	8.466E-03	8.970E-03	3.466E-03	7.124E-03	9.560E-03	3.927E-03	8.219E-03	5.923E-03	5.966E-03	6.921E-03	4.281E-03	5.848E-03	2.146E-03
14	1.878E-02	9.582E-02	5.225E-02	5.494E-02	5.343E-02	8.015E-02	1.105E-02	6.191E-02	9.367E-02	9.045E-02	5.976E-02	5.225E-02	6.384E-02	6.845E-02
15	3.122E-03	1.373E-02	6.330E-03	2.961E-03	4.753E-03	3.187E-03	5.504E-03	8.766E-03	6.459E-03	1.044E-02	5.665E-03	3.326E-03	1.073E-02	6.427E-03
16	0.000E+00	1.059E-03	1.588E-03	0.000E+00	1.191E-03	2.124E-03	7.865E-04	5.472E-04	5.386E-04	0.000E+00	6.288E-04	4.753E-04	1.459E-03	1.071E-03
17	3.122E-03	5.290E-03	5.805E-03	3.466E-03	4.753E-03	4.249E-03	7.865E-04	1.202E-02	3.230E-03	1.985E-03	3.144E-03	5.225E-03	2.436E-03	6.427E-03
18	3.959E-02	4.024E-02	2.425E-02	1.534E-02	3.627E-02	2.071E-02	1.964E-02	2.790E-02	2.961E-02	2.639E-02	2.521E-02	5.279E-02	1.953E-02	2.886E-02
19	4.582E-02	1.054E-01	1.170E-01	7.017E-02	1.212E-01	9.710E-02	2.597E-02	7.178E-02	1.320E-01	8.895E-02	7.049E-02	1.609E-01	1.004E-01	1.044E-01
20	2.082E-03	5.290E-04	2.639E-03	4.946E-04	1.781E-03	2.124E-03	0.000E+00	3.830E-03	5.386E-04	3.981E-03	3.144E-03	1.899E-03	3.412E-03	2.146E-03
21	6.245E-03	9.002E-03	9.506E-03	1.438E-02	1.191E-02	6.899E-03	9.431E-03	1.974E-02	1.234E-02	1.288E-02	8.176E-03	1.663E-02	1.556E-02	1.556E-02
22	0.000E+00	1.588E-03	1.588E-03	2.961E-03	3.562E-03	1.062E-03	2.361E-03	1.642E-03	1.073E-03	3.476E-03	1.255E-03	9.506E-04	4.882E-04	2.672E-03
23	4.367E-02	6.084E-02	5.440E-02	5.343E-02	4.989E-02	4.721E-02	3.305E-02	5.150E-02	7.210E-02	6.159E-02	6.545E-02	6.888E-02	5.558E-02	6.212E-02
24	3.852E-02	6.406E-02	6.073E-02	4.056E-02	7.006E-02	4.828E-02	5.107E-02	5.536E-02	7.318E-02	4.667E-02	6.352E-02	8.509E-02	5.311E-02	8.240E-02
25	8.326E-03	2.650E-02	2.221E-02	1.931E-02	1.964E-02	2.650E-02	6.288E-03	2.790E-02	2.479E-02	2.929E-02	2.082E-02	3.090E-02	3.165E-02	4.174E-02
26	8.326E-03	1.749E-02	2.371E-02	1.931E-02	2.318E-02	1.009E-02	1.255E-02	2.135E-02	4.356E-02	1.191E-02	2.457E-02	1.620E-02	1.760E-02	1.878E-02
27	2.082E-03	2.650E-03	6.330E-03	3.959E-03	4.753E-03	2.124E-03	4.721E-03	3.283E-03	8.616E-03	6.964E-03	4.410E-03	7.124E-03	7.318E-03	5.354E-03
28	1.770E-02	3.122E-02	4.013E-02	2.028E-02	2.436E-02	2.017E-02	8.648E-03	3.455E-02	3.873E-02	2.779E-02	3.337E-02	3.562E-02	1.803E-02	4.013E-02
29	2.285E-02	4.710E-02	4.539E-02	3.509E-02	3.562E-02	3.873E-02	2.436E-02	3.948E-02	3.659E-02	3.326E-02	2.768E-02	4.131E-02	3.755E-02	5.354E-02
30	6.663E-02	6.513E-02	6.127E-02	4.206E-02	7.843E-02	5.472E-02	8.723E-02	5.097E-02	5.333E-02	4.775E-02	7.232E-02	7.275E-02	7.167E-02	7.650E-02
31	5.311E-02	5.665E-02	5.333E-02	4.453E-02	6.534E-02	3.348E-02	4.560E-02	4.818E-02	4.088E-02	3.380E-02	3.959E-02	4.088E-02	5.461E-02	6.105E-02
32	7.285E-03	6.352E-03	1.534E-02	5.933E-03	1.309E-02	1.588E-02	8.648E-03	7.672E-03	1.395E-02	1.044E-02	8.809E-03	1.045E-02	1.127E-02	1.071E-02
33	6.245E-03	1.266E-02	1.212E-02	1.931E-02	1.309E-02	1.384E-02	7.865E-03	1.148E-02	1.395E-02	1.191E-02	1.255E-02	9.506E-03	2.049E-02	1.663E-02
34	9.367E-02	6.513E-02	5.279E-02	6.330E-02	7.071E-02	5.204E-02	9.828E-02	4.378E-02	7.318E-02	5.762E-02	5.730E-02	5.655E-02	6.094E-02	5.139E-02
35	5.097E-02	6.567E-02	9.979E-02	7.371E-02	6.652E-02	6.052E-02	7.629E-02	6.352E-02	8.283E-02	5.021E-02	6.545E-02	7.124E-02	6.631E-02	8.616E-02
36	5.204E-03	8.466E-03	6.330E-03	5.440E-03	8.315E-03	1.009E-02	1.180E-02	2.189E-03	1.556E-02	9.442E-03	6.921E-03	7.124E-03	7.318E-03	9.635E-03
37	1.148E-02	1.588E-02	8.970E-03	1.534E-02	1.363E-02	1.009E-02	1.964E-02	2.908E-02	8.616E-03	1.395E-02	1.006E-02	1.234E-02	1.025E-02	9.635E-03
38	9.367E-03	2.650E-03	7.393E-03	1.974E-03	2.972E-03	4.775E-03	7.865E-03	1.695E-02	4.839E-03	2.489E-03	4.410E-03	5.225E-03	4.388E-03	5.891E-03
39	8.841E-02	2.039E-01	1.067E-01	1.054E-01	9.678E-02	1.202E-01	1.127E-01	1.931E-01	1.309E-01	1.159E-01	5.976E-02	6.985E-02	1.094E-01	9.206E-02
40	1.888E-01	1.309E-01	1.384E-01	7.167E-02	1.770E-01	1.202E-01	1.631E-01	1.481E-01	1.033E-01	9.936E-02	9.185E-02	9.839E-02	1.094E-01	1.060E-01
41	2.704E-02	1.588E-02	1.685E-02	1.234E-02	2.672E-02	1.438E-02	7.071E-03	1.373E-02	1.609E-02	1.835E-02	1.448E-02	1.706E-02	1.609E-02	1.234E-02

	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU
42	6.245E-03	2.650E-03	2.114E-03	1.974E-03	2.371E-03	2.650E-03	7.865E-04	2.189E-03	2.693E-03	1.491E-03	2.521E-03	1.427E-03	2.929E-03	2.146E-03
43	2.294E-02	4.810E-03	7.201E-03	6.996E-03	8.693E-03	7.639E-03	1.168E-02	3.806E-03	8.513E-03	1.109E-02	8.436E-03	1.070E-02	9.465E-03	6.661E-03
44	3.677E-01	1.008E-01	1.000E-01	1.147E-01	1.124E-01	1.003E-01	1.656E-01	9.876E-02	1.304E-01	1.057E-01	1.605E-01	1.109E-01	1.242E-01	8.230E-02
45	1.325E-01	5.993E-02	6.996E-02	9.130E-02	9.953E-02	9.259E-02	8.256E-02	7.716E-02	9.851E-02	9.285E-02	1.003E-01	7.201E-02	8.050E-02	5.272E-02
46	3.365E-01	8.205E-02	1.070E-01	9.825E-02	1.830E-01	9.876E-02	2.538E-01	1.075E-01	1.667E-01	1.178E-01	1.837E-01	1.399E-01	1.577E-01	9.259E-02
47	2.849E-01	2.932E-02	4.321E-02	5.298E-02	6.301E-02	4.244E-02	1.394E-01	6.790E-02	4.655E-02	3.704E-02	7.793E-02	4.115E-02	5.195E-02	2.855E-02
48	1.672E-02	8.256E-03	1.114E-02	1.150E-02	9.105E-03	8.513E-03	1.433E-02	1.391E-02	1.690E-02	8.925E-03	1.147E-02	8.436E-03	8.642E-03	6.919E-03
49	8.976E-03	4.810E-03	4.038E-03	7.587E-03	8.539E-03	7.510E-03	5.838E-03	7.742E-03	8.256E-03	8.333E-03	8.899E-03	6.378E-03	8.179E-03	3.344E-03
50	1.996E-03	2.803E-03	2.279E-03	2.253E-03	3.704E-03	2.418E-03	3.009E-03	3.163E-03	1.677E-03	1.430E-03	1.057E-03	2.726E-03	1.286E-03	2.181E-03
51	2.672E-01	8.050E-02	1.098E-01	1.080E-01	1.607E-01	1.047E-01	1.741E-01	8.616E-02	1.065E-01	1.137E-01	1.201E-01	2.831E-01	2.343E-01	1.751E-01
52	5.735E-03	1.268E-03	3.806E-03	3.678E-03	3.704E-03	2.292E-03	2.649E-03	2.232E-03	1.806E-03	3.575E-03	4.527E-03	5.350E-03	4.552E-03	2.567E-03
53	1.348E-02	1.168E-02	1.049E-02	8.770E-03	1.510E-02	9.285E-03	1.263E-02	9.310E-03	1.253E-02	1.013E-02	1.296E-02	9.799E-03	1.065E-02	6.018E-03
54	6.484E+00	6.100E+00	4.585E+00	5.110E+00	4.065E+00	5.113E+00	6.223E+00	6.045E+00	4.166E+00	6.026E+00	5.791E+00	4.894E+00	5.439E+00	5.473E+00
55	8.954E-01	5.884E-01	5.202E-01	4.536E-01	6.982E-01	5.402E-01	9.008E-01	5.728E-01	5.010E-01	4.883E-01	4.976E-01	6.937E-01	6.127E-01	6.202E-01
56	1.908E-01	1.762E-01	1.476E-01	1.826E-01	1.355E-01	1.790E-01	1.769E-01	1.793E-01	1.368E-01	1.800E-01	1.707E-01	1.597E-01	1.590E-01	1.643E-01
57	4.914E+00	3.368E+00	2.868E+00	2.172E+00	3.856E+00	2.669E+00	5.070E+00	3.014E+00	2.739E+00	2.753E+00	3.056E+00	3.743E+00	3.625E+00	3.772E+00
58	7.870E-02	3.884E-02	4.681E-02	6.018E-02	5.941E-02	4.501E-02	7.304E-02	3.884E-02	4.578E-02	5.144E-02	8.873E-02	5.787E-02	6.353E-02	4.218E-02
59	7.073E-02	5.504E-02	4.398E-02	3.601E-02	5.941E-02	4.990E-02	7.176E-02	5.067E-02	4.604E-02	4.707E-02	4.449E-02	5.607E-02	5.375E-02	5.375E-02
60	6.481E-03	7.356E-03	6.327E-03	4.732E-03	6.276E-03	5.735E-03	6.018E-03	4.604E-03	6.070E-03	6.070E-03	5.118E-03	3.884E-03	5.504E-03	5.504E-03
61	2.596E+00	1.752E+00	1.654E+00	1.983E+00	1.023E+00	1.368E+00	2.290E+00	1.417E+00	1.870E+00	1.257E+00	1.596E+00	1.112E+00	1.242E+00	1.131E+00
62	5.855E-01	3.998E-01	5.777E-01	5.875E-01	3.983E-01	5.990E-01	5.291E-01	6.490E-01	4.785E-01	5.736E-01	3.465E-01	4.955E-01	4.404E-01	5.903E-01
63	1.497E-02	9.773E-03	8.848E-03	1.054E-02	7.819E-03	6.096E-03	1.245E-02	6.970E-03	1.018E-02	9.285E-03	9.208E-03	7.510E-03	8.770E-03	8.462E-03
64	2.142E+00	2.495E+00	2.742E+00	2.833E+00	2.311E+00	3.159E+00	2.212E+00	3.117E+00	2.278E+00	2.561E+00	1.941E+00	2.245E+00	2.141E+00	2.768E+00
65	7.793E-02	8.770E-02	1.013E-01	1.260E-01	9.002E-02	1.062E-01	8.256E-02	1.006E-01	7.947E-02	9.671E-02	9.568E-02	7.896E-02	8.410E-02	9.542E-02
66	6.145E-01	4.643E-01	6.231E-01	4.257E-01	8.609E-01	6.263E-01	6.644E-01	5.740E-01	5.291E-01	4.430E-01	4.056E-01	7.175E-01	5.877E-01	6.863E-01
67	3.601E-02	2.196E-02	4.630E-02	4.912E-02	5.427E-02	3.524E-02	4.810E-02	3.215E-02	4.141E-02	3.421E-02	7.947E-02	5.067E-02	5.195E-02	2.906E-02
68	1.620E-02	1.636E-02	1.543E-02	1.186E-02	1.510E-02	1.170E-02	1.150E-02	1.273E-02	1.134E-02	1.571E-02	1.358E-02	7.176E-03	1.250E-02	1.129E-02
69	7.858E-01	7.294E-01	7.418E-01	7.921E-01	4.862E-01	6.815E-01	8.081E-01	6.295E-01	9.770E-01	4.915E-01	5.607E-01	3.944E-01	4.528E-01	4.501E-01
70	2.420E-02	1.865E-02	2.392E-02	2.829E-02	1.821E-02	2.150E-02	2.204E-02	1.890E-02	2.052E-02	1.775E-02	2.248E-02	1.584E-02	1.543E-02	1.219E-02
71	3.498E-03	5.581E-03	3.678E-03	5.221E-03	4.835E-03	3.678E-03	4.707E-03	1.708E-03	4.398E-03	4.167E-03	4.372E-03	3.421E-03	3.858E-03	3.344E-03
72	1.996E-03	2.410E-03	3.292E-03	1.186E-03	1.849E-03	2.546E-03	3.215E-03	1.181E-03	2.194E-03	2.263E-03	1.960E-03	3.189E-03	2.803E-03	2.052E-03
73	1.095E-03	1.114E-03	3.330E-03	2.077E-03	6.242E-03	2.235E-03	2.483E-03	5.756E-04	1.129E-03	1.569E-03	1.321E-03	1.501E-03	5.135E-04	5.632E-04
74	5.474E-03	5.011E-03	8.330E-03	3.646E-03	6.242E-03	8.375E-03	1.659E-03	5.756E-03	8.488E-03	5.226E-03	3.307E-03	5.000E-03	2.054E-03	2.810E-03
75	3.939E-02	6.072E-02	7.607E-02	6.445E-02	5.745E-02	4.244E-02	3.973E-02	5.824E-02	4.357E-02	3.871E-02	5.361E-02	4.898E-02	5.542E-02	7.257E-02
76	6.783E-02	7.404E-02	1.129E-01	1.051E-01	8.251E-02	3.792E-02	5.214E-02	5.474E-02	4.018E-02	4.763E-02	6.095E-02	6.196E-02	9.233E-02	9.740E-02
77	8.758E-03	1.058E-02	6.659E-03	8.837E-03	5.000E-03	4.470E-03	4.966E-03	6.919E-03	5.666E-03	7.325E-03	8.600E-03	8.002E-03	7.698E-03	1.126E-02
78	0.000E+00	0.000E+00	2.777E-03	3.115E-03	1.253E-03	5.587E-04	0.000E+00	2.878E-03	5.666E-04	1.569E-03	0.000E+00	1.501E-03	0.000E+00	0.000E+00
79	7.664E-03	6.682E-03	6.106E-03	3.646E-03	6.874E-03	6.704E-03	4.966E-03	1.670E-02	1.129E-03	5.756E-03	2.652E-03	1.501E-03	2.562E-03	6.761E-03
80	2.190E-03	1.670E-03	5.000E-03	1.558E-03	6.242E-04	2.235E-03	1.659E-03	4.029E-03	1.129E-03	5.226E-04	1.321E-03	1.000E-03	2.054E-03	0.000E+00
81	2.630E-02	1.558E-02	1.670E-02	1.512E-02	2.754E-02	1.569E-02	1.321E-02	2.935E-02	1.467E-02	1.098E-02	2.246E-02	8.995E-03	1.185E-02	1.242E-02
82	1.208E-02	8.905E-03	4.447E-03	5.722E-03	2.494E-03	3.905E-03	5.790E-03	1.558E-02	2.833E-03	5.226E-03	5.959E-03	3.995E-03	6.670E-03	2.810E-03

	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU
83	5.474E-03	1.670E-03	1.670E-03	3.646E-03	3.126E-03	2.235E-03	8.273E-04	3.454E-03	3.397E-03	2.619E-03	1.986E-03	5.000E-04	1.026E-03	2.257E-03
84	1.095E-03	1.230E-02	1.219E-02	1.093E-02	1.806E-02	1.569E-02	8.273E-03	9.797E-03	1.298E-02	1.253E-02	2.246E-02	1.151E-02	1.287E-02	7.314E-03
85	4.379E-03	1.670E-03	1.111E-03	2.077E-03	4.368E-03	1.117E-03	2.483E-03	1.151E-03	1.693E-03	3.138E-03	3.973E-03	1.000E-03	1.026E-03	5.632E-04
86	2.404E-02	6.129E-03	1.275E-02	1.253E-02	1.309E-02	5.023E-03	8.273E-03	9.221E-03	6.230E-03	7.325E-03	1.716E-02	7.494E-03	1.490E-02	1.467E-02
87	3.725E-02	3.567E-02	4.108E-02	3.228E-02	3.059E-02	1.117E-02	3.555E-02	2.302E-02	1.129E-02	2.923E-02	3.646E-02	1.795E-02	3.950E-02	3.713E-02
88	6.569E-03	6.129E-03	7.223E-03	7.799E-03	5.000E-03	2.788E-03	7.438E-03	7.494E-03	1.693E-03	3.657E-03	4.639E-03	3.002E-03	7.178E-03	3.939E-03
89	1.862E-02	1.230E-02	2.280E-02	2.596E-02	1.433E-02	8.375E-03	7.438E-03	1.037E-02	1.298E-02	9.932E-03	1.524E-02	1.298E-02	1.129E-02	1.014E-02
90	6.896E-02	3.341E-02	5.113E-02	6.140E-02	2.810E-02	1.343E-02	4.966E-02	3.510E-02	1.761E-02	2.777E-02	3.375E-02	3.950E-02	5.135E-02	6.648E-02
91	4.379E-03	7.235E-03	1.275E-02	1.558E-02	7.494E-03	5.587E-03	3.307E-03	2.302E-03	3.962E-03	7.844E-03	4.639E-03	1.151E-02	1.026E-02	9.571E-03
92	7.664E-03	1.783E-02	8.330E-03	1.093E-02	1.501E-02	1.343E-02	1.321E-02	1.501E-02	8.488E-03	1.151E-02	1.524E-02	8.002E-03	1.693E-02	2.032E-02
93	9.853E-03	6.682E-03	4.447E-03	8.837E-03	7.494E-03	3.352E-03	4.131E-03	7.494E-03	3.962E-03	5.226E-04	1.196E-02	3.995E-03	5.643E-03	7.314E-03
94	3.284E-03	2.788E-03	1.111E-03	1.041E-03	1.874E-03	5.587E-04	2.483E-03	2.302E-03	1.693E-03	2.088E-03	1.321E-03	5.000E-04	4.108E-03	1.126E-03
95	3.070E-02	5.011E-03	1.111E-02	1.512E-02	1.998E-02	1.230E-02	1.163E-02	8.070E-03	1.467E-02	9.932E-03	9.932E-03	1.196E-02	1.185E-02	6.196E-03
96	3.284E-03	7.235E-03	9.436E-03	7.799E-03	5.621E-03	4.470E-03	1.163E-02	6.343E-03	7.359E-03	7.325E-03	9.266E-03	3.499E-03	8.205E-03	5.632E-03
97	4.379E-03	5.011E-03	7.777E-03	6.242E-03	4.368E-03	7.257E-03	4.966E-03	4.605E-03	2.833E-03	3.657E-03	3.307E-03	7.494E-03	8.725E-03	3.939E-03
98	6.569E-03	7.799E-03	1.111E-02	8.837E-03	1.433E-02	1.006E-02	4.131E-03	1.151E-02	9.063E-03	5.756E-03	1.388E-02	3.995E-03	8.725E-03	1.126E-02
99	1.312E-01	1.216E-01	1.471E-01	1.135E-01	9.025E-02	1.422E-01	1.042E-01	1.002E-01	8.240E-02	1.312E-01	1.079E-01	7.872E-02	1.082E-01	1.071E-01
100	4.525E-02	3.090E-02	5.248E-02	3.384E-02	3.532E-02	3.642E-02	4.132E-02	2.624E-02	3.323E-02	3.176E-02	4.819E-02	6.352E-02	3.397E-02	3.666E-02
101	1.729E-01	2.121E-01	1.545E-01	1.142E-01	1.631E-01	1.545E-01	1.398E-01	1.151E-01	1.508E-01	1.324E-01	1.275E-01	1.337E-01	1.132E-01	1.162E-01
102	1.888E-01	5.910E-01	8.115E-01	7.799E-01	1.074E+00	8.412E-01	1.754E-01	6.156E-01	7.235E-01	7.456E-01	1.394E+00	6.891E-01	7.100E-01	6.622E-01
103	1.925E-01	2.857E-01	1.815E-01	1.198E-01	1.594E-01	1.925E-01	1.901E-01	1.631E-01	1.251E-01	1.839E-01	1.717E-01	1.337E-01	1.619E-01	1.288E-01
104	1.803E-01	2.575E-01	3.323E-01	3.728E-01	3.691E-01	3.237E-01	1.766E-01	2.649E-01	3.409E-01	3.250E-01	4.525E-01	3.360E-01	3.004E-01	2.968E-01
105	1.386E-01	8.670E-01	1.004E+00	9.804E-01	1.327E+00	1.083E+00	1.221E-01	8.338E-01	8.608E-01	8.759E-01	1.704E+00	7.357E-01	8.272E-01	8.191E-01
106	1.582E-01	2.158E-01	2.256E-01	1.790E-01	1.398E-01	1.655E-01	2.330E-01	1.754E-01	2.281E-01	2.232E-01	1.790E-01	2.146E-01	1.704E-01	2.072E-01
107	7.971E-02	1.410E-01	1.349E-01	1.029E-01	1.106E-01	1.251E-01	9.160E-02	1.158E-01	1.071E-01	1.312E-01	9.135E-02	1.239E-01	7.909E-02	1.181E-01
108	1.471E-01	1.803E-01	1.876E-01	1.631E-01	1.508E-01	1.619E-01	1.557E-01	1.778E-01	1.717E-01	1.729E-01	1.471E-01	1.373E-01	1.386E-01	2.342E-01
109	9.516E-03	4.231E-03	4.831E-03	2.820E-03	9.503E-03	7.284E-03	1.435E-02	1.189E-02	3.691E-03	6.254E-03	2.882E-03	4.341E-03	3.899E-03	2.452E-03
110	8.326E-03	1.149E-02	8.449E-03	6.217E-03	1.361E-02	6.671E-03	6.291E-03	1.570E-02	7.382E-03	9.086E-03	2.882E-03	1.741E-02	1.059E-02	1.471E-02
111	7.137E-03	1.029E-02	9.651E-03	7.909E-03	1.221E-02	9.099E-03	7.186E-03	1.373E-02	7.382E-03	5.677E-03	2.158E-03	1.251E-02	1.288E-02	1.101E-02
112	8.326E-03	1.210E-02	1.086E-02	1.074E-02	1.288E-02	9.099E-03	4.488E-03	5.628E-03	9.221E-03	7.958E-03	4.316E-03	1.361E-02	1.508E-02	1.349E-02
113	1.189E-03	5.445E-03	1.207E-03	3.384E-03	4.746E-03	2.428E-03	1.803E-03	4.378E-03	1.226E-03	3.973E-03	7.186E-04	3.262E-03	3.899E-03	4.280E-03
114	2.379E-03	6.045E-03	5.432E-03	1.131E-03	5.432E-03	3.029E-03	5.395E-03	6.254E-03	2.465E-03	3.973E-03	3.593E-03	3.801E-03	2.784E-03	1.839E-03
115	2.379E-03	4.231E-03	3.017E-03	4.525E-03	5.432E-03	4.856E-03	8.988E-03	5.003E-03	2.465E-03	3.973E-03	2.158E-03	3.801E-03	4.464E-03	3.053E-03
116	0.000E+00	4.231E-03	4.218E-03	2.820E-03	4.071E-03	1.815E-03	3.593E-03	1.251E-03	2.465E-03	2.845E-03	1.435E-03	1.631E-03	0.000E+00	2.452E-03
117	3.568E-03	4.231E-03	2.416E-03	4.525E-03	4.071E-03	5.457E-03	5.395E-03	6.254E-03	7.995E-03	6.254E-03	4.316E-03	9.234E-03	4.464E-03	4.280E-03
118	3.568E-03	3.630E-03	3.017E-03	3.384E-03	6.107E-03	4.856E-03	7.186E-03	4.378E-03	1.839E-03	1.135E-03	3.593E-03	2.710E-03	3.899E-03	4.280E-03
119	5.947E-03	1.210E-03	1.815E-03	2.256E-03	6.107E-03	1.214E-03	8.988E-04	9.393E-03	4.304E-03	1.135E-03	7.186E-04	1.631E-03	2.784E-03	2.452E-03
120	2.379E-03	1.815E-03	3.017E-03	3.384E-03	4.071E-03	4.856E-03	3.593E-03	2.502E-03	4.917E-03	2.269E-03	1.435E-03	3.801E-03	5.015E-03	1.839E-03
121	1.193E-01	1.514E-01	1.211E-01	9.884E-02	9.350E-02	1.104E-01	9.528E-02	1.763E-01	1.692E-01	8.531E-02	8.557E-02	1.086E-01	1.149E-01	1.451E-01
122	1.861E-01	1.362E-01	1.469E-01	1.202E-01	8.905E-02	7.979E-02	8.433E-02	1.407E-01	1.736E-01	1.211E-01	9.439E-02	2.004E-01	1.817E-01	2.262E-01
123	3.045E+00	2.698E+00	2.663E+00	2.912E+00	2.894E+00	2.012E+00	2.297E+00	1.852E+00	1.995E+00	2.155E+00	2.191E+00	2.529E+00	2.110E+00	1.336E+00

	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU
124	7.444E-02	6.438E-02	3.402E-02	4.951E-02	6.794E-02	4.933E-02	9.528E-02	7.444E-02	6.545E-02	4.265E-02	4.951E-02	5.102E-02	7.329E-02	6.509E-02
125	5.209E-02	1.060E-01	1.247E-01	8.139E-02	1.193E-01	9.528E-02	1.015E-01	1.728E-01	9.617E-02	6.759E-02	6.305E-02	9.884E-02	4.185E-02	1.380E-01
126	4.096E-01	7.275E-01	6.153E-01	5.663E-01	2.378E-01	8.085E-01	4.443E-01	9.795E-01	7.159E-01	8.887E-01	2.609E-01	7.204E-01	5.548E-01	9.083E-01
127	1.701E+00	1.719E+00	1.745E+00	1.229E+00	1.496E+00	1.398E+00	1.514E+00	2.119E+00	1.549E+00	1.683E+00	7.293E-01	1.647E+00	1.594E+00	1.772E+00
128	1.852E+00	1.790E+00	1.977E+00	2.289E+00	2.093E+00	1.549E+00	1.211E+00	1.443E+00	1.879E+00	1.523E+00	1.451E+00	1.665E+00	1.523E+00	1.282E+00
129	9.706E-02	5.681E-02	8.308E-02	2.119E-02	3.820E-02	5.699E-02	6.750E-02	3.526E-02	2.698E-02	2.841E-02	4.052E-02	5.441E-02	4.889E-02	3.829E-02
130	1.608E+01	1.514E+01	1.117E+01	1.007E+01	7.201E+00	1.245E+01	1.266E+01	1.873E+01	1.664E+01	1.220E+01	4.105E+00	7.439E+00	7.139E+00	1.261E+01
131	1.408E+01	1.579E+01	8.015E+00	9.176E+00	5.806E+00	9.191E+00	9.611E+00	1.051E+01	1.283E+01	1.188E+01	6.406E+00	6.283E+00	7.820E+00	9.656E+00
132	5.957E-02	6.064E-02	1.514E-02	4.248E-02	7.222E-02	4.559E-02	3.375E-02	3.918E-02	4.239E-02	3.553E-02	3.152E-02	3.740E-02	4.889E-02	3.829E-02
133	2.974E-02	1.140E-02	1.888E-02	1.772E-02	1.273E-02	7.596E-03	1.122E-02	1.567E-02	2.306E-02	1.069E-02	1.354E-02	1.701E-02	6.981E-03	7.658E-03
134	2.235E-02	3.028E-02	1.514E-02	2.832E-02	1.273E-02	3.802E-03	1.683E-02	1.567E-02	2.698E-02	2.137E-02	3.598E-02	0.000E+00	4.185E-02	7.658E-03
135	2.235E-02	2.271E-02	1.888E-02	1.060E-02	3.402E-02	3.037E-02	1.122E-02	3.134E-02	3.081E-02	1.781E-02	1.799E-02	6.803E-03	1.398E-02	7.658E-03
136	2.235E-02	1.897E-02	7.551E-03	1.416E-02	2.974E-02	1.140E-02	0.000E+00	2.743E-02	3.847E-03	3.197E-02	4.506E-03	1.701E-02	0.000E+00	1.149E-02
137	2.235E-02	6.438E-02	1.888E-02	3.535E-02	8.905E-02	3.419E-02	5.628E-03	3.918E-02	4.239E-02	3.197E-02	3.152E-02	3.063E-02	1.745E-02	4.212E-02
138	1.487E-02	1.514E-02	1.888E-02	2.832E-02	1.273E-02	1.140E-02	1.683E-02	3.134E-02	1.158E-02	2.137E-02	1.354E-02	2.378E-02	1.745E-02	2.297E-02
139	2.235E-01	1.398E-01	1.736E-01	3.045E-01	1.995E-01	1.897E-01	1.630E-01	1.451E-01	1.389E-01	2.493E-01	2.030E-01	2.110E-01	2.235E-01	1.451E-01
140	7.444E-02	4.541E-02	9.795E-02	1.024E-01	1.193E-01	9.528E-02	9.528E-02	8.620E-02	3.464E-02	6.759E-02	1.077E-01	1.594E-01	9.795E-02	6.126E-02
141	3.722E-02	4.924E-02	8.691E-02	1.024E-01	8.068E-02	6.839E-02	2.814E-02	3.134E-02	3.464E-02	5.334E-02	1.710E-01	5.779E-02	6.278E-02	6.509E-02
142	7.444E-03	1.140E-02	1.514E-02	7.079E-03	4.248E-03	1.523E-02	1.122E-02	1.175E-02	1.158E-02	1.781E-02	0.000E+00	2.039E-02	1.051E-02	7.658E-03
143	1.487E-02	7.578E-03	7.551E-03	1.772E-02	1.273E-02	2.280E-02	2.253E-02	1.959E-02	1.158E-02	7.115E-03	0.000E+00	1.701E-02	6.981E-03	1.915E-02
144	4.470E-02	3.411E-02	2.262E-02	3.188E-02	5.102E-02	1.523E-02	1.683E-02	3.134E-02	1.541E-02	2.841E-02	8.994E-03	3.063E-02	3.143E-02	1.915E-02
145	2.235E-02	1.897E-02	1.131E-02	2.119E-02	2.128E-02	2.280E-02	5.628E-03	1.175E-02	7.703E-03	3.197E-02	2.698E-02	1.024E-02	1.745E-02	1.532E-02
146	5.289E-01	2.760E-01	2.609E-01	4.069E-01	2.208E-01	2.199E-01	2.137E-01	2.707E-01	2.351E-01	2.422E-01	2.297E-01	2.208E-01	2.128E-01	2.832E-01
147	1.416E-01	8.335E-02	1.434E-01	1.915E-01	9.795E-02	1.175E-01	4.497E-02	9.795E-02	9.617E-02	7.827E-02	7.649E-02	1.630E-01	1.077E-01	1.416E-01
148	3.500E-01	2.351E-01	4.007E-01	6.153E-01	2.547E-01	4.595E-01	2.306E-01	2.547E-01	2.582E-01	4.301E-01	3.019E-01	4.212E-01	4.114E-01	2.947E-01
149	6.705E-02	6.821E-02	9.795E-02	6.367E-02	9.350E-02	6.073E-02	3.936E-02	6.661E-02	5.387E-02	5.334E-02	6.305E-02	1.024E-01	6.634E-02	5.361E-02
150	4.470E-02	1.140E-02	1.888E-02	1.772E-02	1.701E-02	1.140E-02	5.628E-03	1.175E-02	1.158E-02	1.425E-02	4.506E-03	2.716E-02	2.440E-02	7.658E-03
151	4.470E-02	2.271E-02	1.888E-02	2.476E-02	1.701E-02	1.897E-02	5.628E-03	4.310E-02	3.464E-02	2.137E-02	3.152E-02	2.039E-02	1.745E-02	2.297E-02
152	1.487E-02	5.681E-02	3.019E-02	2.119E-02	2.974E-02	3.802E-02	5.628E-03	1.175E-02	3.081E-02	5.334E-02	2.253E-02	1.701E-02	2.440E-02	3.063E-02
153	1.487E-02	2.271E-02	1.514E-02	3.535E-02	3.402E-02	2.663E-02	5.628E-03	1.567E-02	1.158E-02	2.841E-02	2.253E-02	3.402E-03	1.051E-02	1.149E-02
154	2.235E-02	1.514E-02	3.019E-02	2.119E-02	2.128E-02	1.523E-02	1.122E-02	3.918E-03	2.698E-02	1.069E-02	8.994E-03	6.803E-03	3.491E-03	1.532E-02
155	8.192E-02	1.514E-02	1.514E-02	2.119E-02	1.273E-02	1.523E-02	1.122E-02	7.836E-03	7.703E-03	1.069E-02	2.698E-02	2.716E-02	6.981E-03	1.532E-02
156	9.795E-01	5.530E-01	4.951E-01	1.033E+00	4.292E-01	4.595E-01	5.512E-01	3.802E-01	5.619E-01	5.548E-01	8.415E-01	5.102E-01	3.072E-01	3.713E-01
157	3.722E-01	1.549E-01	2.075E-01	3.010E-01	1.532E-01	1.523E-01	1.407E-01	1.728E-01	1.772E-01	2.102E-01	2.030E-01	2.146E-01	1.567E-01	1.149E-01
158	7.747E-01	5.111E-01	5.361E-01	9.261E-01	3.865E-01	4.061E-01	4.221E-01	4.506E-01	5.316E-01	4.301E-01	4.230E-01	3.295E-01	3.838E-01	3.713E-01
159	1.416E-01	1.211E-01	1.469E-01	1.879E-01	1.149E-01	1.211E-01	1.407E-01	7.444E-02	1.736E-01	1.069E-01	1.167E-01	8.157E-02	8.023E-02	1.683E-01
160	3.722E-02	1.897E-02	4.907E-02	3.535E-02	2.974E-02	3.419E-02	2.814E-02	2.351E-02	3.464E-02	2.137E-02	1.354E-02	2.716E-02	2.093E-02	4.978E-02
161	2.974E-02	2.654E-02	1.131E-02	3.535E-02	8.495E-03	7.596E-03	1.122E-02	3.134E-02	2.306E-02	3.553E-03	2.698E-02	3.063E-02	3.838E-02	2.297E-02
162	2.235E-02	4.541E-02	1.131E-02	3.894E-02	4.675E-02	1.897E-02	2.253E-02	1.175E-02	3.464E-02	2.137E-02	3.598E-02	1.701E-02	1.051E-02	2.297E-02
163	2.235E-02	3.028E-02	3.019E-02	1.416E-02	2.974E-02	1.523E-02	3.936E-02	7.836E-03	1.158E-02	2.137E-02	2.253E-02	1.362E-02	1.051E-02	1.915E-02
164	7.444E-03	1.514E-02	1.514E-02	1.416E-02	2.128E-02	7.596E-03	7.872E-02	1.959E-02	2.306E-02	1.781E-02	8.994E-03	6.803E-03	1.051E-02	1.532E-02

	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU
165	4.470E-02	3.411E-02	3.402E-02	1.416E-02	3.402E-02	2.280E-02	2.253E-02	1.567E-02	3.847E-02	3.553E-02	1.354E-02	2.716E-02	4.185E-02	1.915E-02
166	6.705E-02	5.298E-02	9.795E-02	1.238E-01	5.948E-02	6.839E-02	0.000E+00	4.310E-02	5.387E-02	3.197E-02	9.439E-02	3.740E-02	9.083E-02	2.680E-02
167	4.915E-01	2.992E-01	3.553E-01	6.866E-01	3.615E-01	2.850E-01	2.591E-01	1.799E-01	2.769E-01	2.351E-01	4.550E-01	2.787E-01	2.271E-01	2.333E-01
168	2.235E-01	1.594E-01	1.167E-01	2.226E-01	1.701E-01	1.024E-01	1.576E-01	6.269E-02	1.505E-01	9.973E-02	1.576E-01	1.398E-01	8.370E-02	6.509E-02
169	1.264E-01	8.709E-02	7.551E-02	7.427E-02	6.794E-02	5.316E-02	5.628E-02	3.918E-02	8.085E-02	4.978E-02	5.405E-02	4.764E-02	4.185E-02	4.595E-02
170	5.209E-02	3.411E-02	6.046E-02	3.188E-02	3.402E-02	3.802E-02	6.189E-02	2.351E-02	3.081E-02	1.781E-02	3.598E-02	3.063E-02	2.093E-02	1.915E-02
171	2.235E-02	2.654E-02	2.645E-02	1.060E-02	3.402E-02	4.176E-02	5.628E-02	1.959E-02	7.703E-03	3.197E-02	4.506E-02	3.740E-02	1.051E-02	1.149E-02
172	1.128E-01	5.788E-02	1.170E-01	1.557E-01	1.193E-01	9.148E-02	4.022E-02	6.475E-02	1.803E-01	1.097E-01	9.356E-02	3.985E-01	2.649E-01	1.324E-01
173	3.078E-01	2.228E+00	2.673E+00	2.995E+00	3.353E+00	2.910E+00	3.323E-01	2.340E+00	2.693E+00	2.529E+00	3.006E+00	3.078E+00	3.110E+00	2.591E+00
174	4.635E-01	4.072E+00	4.353E+00	5.506E+00	5.599E+00	5.160E+00	1.950E-01	4.104E+00	4.685E+00	4.671E+00	5.143E+00	4.481E+00	4.936E+00	4.416E+00
175	2.673E-01	8.228E-01	1.282E+00	1.358E+00	1.353E+00	1.241E+00	1.655E-01	1.254E+00	1.234E+00	1.141E+00	1.011E+00	1.608E+00	1.361E+00	1.202E+00
176	9.598E-01	2.590E+00	2.997E+00	2.888E+00	3.201E+00	2.540E+00	1.104E+00	1.880E+00	3.365E+00	2.630E+00	2.047E+00	2.766E+00	3.039E+00	2.179E+00
177	6.168E-01	1.765E+00	1.889E+00	1.890E+00	1.439E+00	1.598E+00	4.868E-01	1.421E+00	2.727E+00	1.790E+00	1.011E+00	1.666E+00	2.125E+00	1.597E+00
178	6.462E-02	2.158E-01	3.151E-01	3.519E-01	2.048E-01	2.072E-01	9.908E-02	1.754E-01	6.732E-01	4.169E-01	2.072E-01	5.150E-01	3.998E-01	3.470E-01
179	9.234E-03	2.551E-02	3.801E-02	4.623E-02	2.808E-02	2.882E-02	2.403E-02	2.747E-02	1.008E-01	5.530E-02	2.354E-02	5.898E-02	5.910E-02	5.162E-02
180	9.234E-03	1.361E-02	2.551E-02	1.606E-02	3.164E-02	1.203E-02	1.007E-02	1.349E-02	2.281E-02	1.717E-02	1.925E-02	3.605E-02	1.631E-02	1.213E-02
181	4.513E-02	1.827E-02	1.766E-02	1.263E-02	2.403E-02	2.305E-02	3.483E-02	1.888E-02	9.540E-03	1.126E-02	2.600E-02	1.876E-02	2.109E-02	1.471E-02
182	1.533E-02	8.976E-02	1.361E-01	1.422E-01	1.766E-01	1.324E-01	5.420E-03	1.095E-01	1.129E-01	1.097E-01	2.673E-01	1.044E-01	1.095E-01	9.651E-02
183	7.003E-01	1.351E+00	2.073E+00	2.148E+00	2.480E+00	2.045E+00	8.666E-01	1.755E+00	1.862E+00	1.904E+00	3.081E+00	2.847E+00	2.168E+00	1.883E+00
184	2.943E-01	1.625E+00	2.596E+00	2.374E+00	2.663E+00	2.534E+00	9.347E-01	1.901E+00	2.152E+00	2.111E+00	3.529E+00	2.230E+00	2.238E+00	1.920E+00
185	1.349E-01	1.014E+00	1.648E+00	1.562E+00	1.783E+00	1.750E+00	3.863E-01	1.419E+00	1.399E+00	1.454E+00	2.387E+00	1.549E+00	1.288E+00	1.355E+00
186	1.037E+00	2.382E+00	3.516E+00	4.329E+00	3.908E+00	3.572E+00	1.537E+00	2.784E+00	3.458E+00	3.747E+00	4.448E+00	3.222E+00	3.132E+00	3.033E+00
187	3.446E-01	4.464E-01	8.546E-01	9.129E-01	8.746E-01	7.676E-01	4.929E-01	7.676E-01	7.578E-01	7.836E-01	7.911E-01	1.113E+00	7.703E-01	6.941E-01
188	3.483E-02	3.912E-02	7.026E-02	6.671E-02	7.664E-02	6.585E-02	7.431E-02	5.445E-02	7.738E-02	6.119E-02	7.382E-02	1.223E-01	6.683E-02	6.278E-02
189	7.174E-03	7.296E-03	2.759E-02	1.754E-02	1.170E-02	2.673E-02	2.636E-02	1.025E-02	1.913E-02	2.011E-02	1.987E-02	1.729E-02	7.689E-03	2.060E-02
190	1.169E-01	1.606E-01	4.316E-01	3.078E-01	2.612E-01	2.808E-01	2.269E-01	1.852E-01	3.102E-01	2.428E-01	1.766E-01	2.992E-01	2.551E-01	1.729E-01
191	1.681E+00	3.594E+00	4.553E+00	4.129E+00	3.176E+00	3.399E+00	4.803E+00	3.300E+00	5.422E+00	4.247E+00	3.303E+00	3.196E+00	3.699E+00	3.215E+00
192	3.164E-01	7.161E-01	1.114E+00	1.044E+00	7.210E-01	7.652E-01	1.362E+00	6.180E-01	1.714E+00	1.246E+00	8.531E-01	1.178E+00	9.577E-01	9.079E-01
193	2.354E-02	6.573E-02	1.324E-01	1.155E-01	1.035E-01	8.314E-02	1.422E-01	9.503E-02	2.391E-01	1.937E-01	1.300E-01	1.778E-01	1.349E-01	1.275E-01
194	3.899E-02	5.788E-02	9.834E-02	4.819E-02	1.373E-01	7.063E-02	5.040E-02	5.714E-02	6.573E-02	5.236E-02	1.147E-01	9.405E-02	7.492E-02	6.376E-02
195	1.435E-02	3.176E-02	3.642E-02	2.342E-02	4.096E-02	3.446E-02	1.778E-02	3.507E-02	2.551E-02	2.845E-02	4.157E-02	3.985E-02	3.262E-02	3.323E-02
196	2.735E-01	1.692E-01	2.882E-01	3.409E-01	2.183E-01	2.354E-01	3.899E-01	1.913E-01	4.034E-01	4.316E-01	3.115E-01	2.968E-01	3.593E-01	2.428E-01
197	7.590E-02	1.422E-01	1.435E-01	2.232E-01	1.275E-01	1.312E-01	2.428E-01	1.176E-01	2.281E-01	2.281E-01	1.263E-01	1.741E-01	2.109E-01	1.251E-01
198	2.465E-02	5.947E-02	9.418E-02	6.376E-02	8.363E-02	4.709E-02	1.216E-01	5.015E-02	9.969E-02	8.032E-02	6.327E-02	1.151E-01	7.259E-02	5.592E-02
199	3.483E-02	6.315E-02	1.410E-01	2.538E-02	1.386E-01	7.063E-02	2.305E-01	1.888E-02	5.886E-02	2.600E-02	8.179E-02	7.590E-02	5.714E-02	2.477E-02
200	1.533E-02	4.795E-02	7.124E-02	3.850E-02	8.952E-02	6.009E-02	7.284E-02	2.477E-02	5.089E-02	3.728E-02	7.566E-02	5.567E-02	4.611E-02	4.329E-02
201	1.128E-02	3.544E-02	3.384E-02	3.164E-02	6.021E-02	3.765E-02	1.545E-02	1.729E-02	3.556E-02	4.353E-02	5.518E-02	3.507E-02	3.654E-02	3.581E-02
202	2.048E-03	5.212E-03	6.757E-03	4.868E-04	5.849E-03	2.097E-03	6.193E-03	2.698E-03	3.176E-03	1.471E-03	1.864E-03	7.026E-03	9.614E-04	1.055E-03
203	2.048E-03	5.212E-04	1.040E-03	4.868E-04	5.849E-04	0.000E+00	0.000E+00	1.079E-03	5.297E-04	4.893E-04	0.000E+00	0.000E+00	1.447E-03	5.273E-04
204	4.096E-03	4.697E-03	3.642E-03	3.409E-03	1.349E-02	3.139E-03	6.193E-03	1.619E-03	1.594E-03	2.452E-03	2.477E-03	2.808E-03	1.447E-03	1.582E-03
205	1.025E-03	1.044E-03	5.199E-04	4.868E-04	1.170E-03	1.570E-03	2.318E-03	1.079E-03	0.000E+00	1.962E-03	6.205E-04	9.368E-04	1.447E-03	1.055E-03

	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU
206	1.025E-03	2.085E-03	5.199E-03	1.459E-03	1.226E-02	4.181E-03	8.522E-03	2.158E-03	2.649E-03	4.893E-03	3.102E-03	5.616E-03	1.925E-03	2.636E-03
207	1.025E-03	5.212E-04	1.040E-03	0.000E+00	5.849E-04	0.000E+00	0.000E+00	5.395E-04	2.121E-03	0.000E+00	0.000E+00	0.000E+00	4.807E-04	5.273E-04
208	1.025E-03	3.654E-03	1.557E-03	1.950E-03	5.261E-03	1.570E-03	2.318E-03	3.237E-03	2.649E-03	3.912E-03	3.716E-03	4.218E-03	1.925E-03	3.164E-03
209	7.174E-03	1.044E-03	1.557E-03	1.950E-03	1.170E-03	5.236E-04	0.000E+00	0.000E+00	0.000E+00	4.893E-04	0.000E+00	1.876E-03	4.807E-04	5.273E-04
210	2.048E-03	0.000E+00	5.199E-04	0.000E+00	1.170E-03	0.000E+00	7.750E-04	5.395E-04	1.061E-03	1.471E-03	0.000E+00	0.000E+00	4.807E-04	5.273E-04
211	1.025E-03	0.000E+00	5.199E-04	9.749E-04	0.000E+00	0.000E+00	7.750E-04	1.079E-03	1.061E-03	4.893E-04	0.000E+00	4.684E-04	0.000E+00	5.273E-04
212	1.025E-03	5.212E-04	5.199E-04	0.000E+00	1.170E-03	5.236E-04	0.000E+00	0.000E+00	0.000E+00	4.893E-04	6.205E-04	0.000E+00	4.807E-04	0.000E+00
213	2.048E-03	1.570E-03	4.157E-03	2.918E-03	1.754E-03	1.046E-03	7.750E-04	1.619E-03	5.297E-04	1.962E-03	3.102E-03	4.684E-03	1.925E-03	1.055E-03
214	0.000E+00	1.044E-03	4.157E-03	4.868E-04	1.170E-03	2.097E-03	7.750E-04	1.619E-03	1.594E-03	4.893E-04	6.205E-04	0.000E+00	4.807E-04	5.273E-04
215	1.025E-03	1.044E-03	1.040E-03	0.000E+00	1.170E-03	5.236E-04	0.000E+00	1.079E-03	1.061E-03	0.000E+00	0.000E+00	0.000E+00	1.925E-03	0.000E+00
216	1.025E-03	5.212E-04	1.557E-03	0.000E+00	0.000E+00	1.046E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.205E-04	1.410E-03	0.000E+00	4.218E-03
217	1.025E-03	5.212E-04	1.040E-03	4.868E-04	1.754E-03	5.236E-04	0.000E+00	0.000E+00	1.061E-03	1.962E-03	2.477E-03	9.368E-04	0.000E+00	5.273E-04
218	9.331E-01	1.597E+00	2.609E+00	2.204E+00	3.089E+00	2.231E+00	1.369E+00	2.223E+00	2.316E+00	2.227E+00	3.502E+00	3.158E+00	2.592E+00	2.285E+00
219	1.128E-02	1.570E-02	2.649E-02	2.489E-02	2.747E-02	2.305E-02	1.398E-02	2.269E-02	1.962E-02	2.256E-02	2.477E-02	2.440E-02	2.685E-02	2.109E-02
220	1.349E+00	1.077E+00	2.177E+00	1.943E+00	1.681E+00	1.570E+00	9.502E-01	1.462E+00	2.265E+00	1.723E+00	1.002E+00	3.593E+00	2.765E+00	2.046E+00
221	4.666E+01	6.906E+01	7.760E+01	6.051E+01	6.647E+01	5.849E+01	5.175E+01	6.029E+01	6.662E+01	5.865E+01	4.702E+01	7.128E+01	6.450E+01	5.446E+01
222	2.895E+01	5.209E+01	5.007E+01	5.896E+01	4.045E+01	5.390E+01	1.479E+01	6.061E+01	4.881E+01	5.842E+01	3.606E+01	5.353E+01	5.744E+01	5.862E+01
223	2.032E+01	2.691E+01	2.912E+01	2.254E+01	3.219E+01	2.598E+01	1.312E+01	2.886E+01	2.804E+01	2.531E+01	1.730E+01	3.518E+01	3.418E+01	3.296E+01
224	1.236E+01	2.215E+01	3.058E+01	2.324E+01	2.483E+01	2.368E+01	1.316E+01	2.258E+01	2.625E+01	1.827E+01	1.285E+01	2.326E+01	1.966E+01	2.008E+01
225	1.701E+01	2.287E+01	2.323E+01	2.671E+01	1.679E+01	2.010E+01	1.289E+01	2.096E+01	2.926E+01	1.849E+01	1.491E+01	1.626E+01	1.903E+01	1.685E+01
226	7.018E+00	1.505E+01	1.047E+01	1.161E+01	7.730E+00	1.038E+01	4.287E+00	8.803E+00	1.564E+01	1.341E+01	7.905E+00	9.644E+00	1.246E+01	9.214E+00
227	1.858E+00	4.384E+00	3.036E+00	3.599E+00	2.718E+00	2.427E+00	1.743E+00	3.447E+00	5.055E+00	3.825E+00	1.843E+00	3.613E+00	3.505E+00	2.980E+00
228	2.579E-01	1.695E-01	3.809E-01	2.476E-01	2.621E-01	2.581E-01	2.630E-01	2.430E-01	1.493E-01	3.219E-01	2.145E-01	3.678E-01	2.700E-01	1.965E-01
229	3.126E-01	1.903E-01	4.140E-01	2.790E-01	2.578E-01	2.674E-01	2.985E-01	2.618E-01	1.787E-01	3.294E-01	2.066E-01	3.932E-01	3.068E-01	2.085E-01
230	3.332E+01	3.834E+01	2.579E+01	2.009E+01	3.727E+01	3.674E+01	2.826E+01	3.195E+01	2.754E+01	3.334E+01	2.476E+01	2.267E+01	2.754E+01	2.918E+01
231	3.335E+00	3.675E+00	3.784E+00	3.239E+00	3.878E+00	4.008E+00	3.088E+00	4.132E+00	2.865E+00	4.619E+00	2.714E+00	3.555E+00	4.170E+00	3.270E+00
232	1.689E+00	1.671E+00	1.445E+00	1.251E+00	1.810E+00	1.411E+00	1.467E+00	1.476E+00	1.322E+00	1.754E+00	1.488E+00	1.098E+00	1.459E+00	1.474E+00
233	5.205E+00	6.964E+00	5.569E+00	5.781E+00	4.839E+00	6.339E+00	3.918E+00	5.148E+00	5.862E+00	4.343E+00	4.297E+00	5.531E+00	4.572E+00	4.839E+00
234	2.038E+01	1.529E+01	1.451E+01	1.424E+01	1.858E+01	1.555E+01	1.396E+01	1.211E+01	1.367E+01	1.368E+01	1.399E+01	2.354E+01	2.087E+01	1.646E+01
235	1.220E+01	7.821E+00	7.525E+00	7.134E+00	1.592E+01	9.315E+00	1.214E+01	8.435E+00	8.031E+00	9.546E+00	1.044E+01	8.046E+00	1.019E+01	7.566E+00
236	5.074E-01	1.088E+00	9.731E-01	5.660E-01	7.464E-01	6.843E-01	4.756E-01	5.228E-01	5.908E-01	6.488E-01	5.099E-01	6.144E-01	7.126E-01	5.316E-01
237	3.414E+00	4.177E+00	5.198E+00	5.216E+00	4.958E+00	5.175E+00	4.001E+00	6.896E+00	3.648E+00	5.753E+00	3.443E+00	4.613E+00	4.326E+00	5.490E+00
238	7.699E+00	5.059E+00	6.313E+00	4.950E+00	1.014E+01	6.078E+00	7.142E+00	6.864E+00	4.900E+00	6.660E+00	5.698E+00	5.544E+00	6.276E+00	6.867E+00
239	1.469E+00	1.062E+00	1.324E+00	1.012E+00	1.793E+00	1.195E+00	1.286E+00	1.300E+00	1.087E+00	1.234E+00	1.172E+00	9.166E-01	1.295E+00	1.171E+00
240	1.026E+01	7.297E+00	1.590E+01	1.119E+01	1.458E+01	1.046E+01	9.295E+00	6.234E+00	8.231E+00	8.833E+00	1.024E+01	1.545E+01	1.091E+01	6.900E+00
241	2.673E+02	2.208E+02	2.244E+02	2.614E+02	2.140E+02	2.279E+02	2.721E+02	2.513E+02	2.106E+02	2.587E+02	3.117E+02	2.465E+02	2.580E+02	2.480E+02
242	1.946E+02	1.346E+02	1.442E+02	1.322E+02	1.868E+02	1.305E+02	2.086E+02	1.436E+02	1.358E+02	1.416E+02	1.775E+02	1.877E+02	1.786E+02	1.772E+02
243	1.562E+01	1.146E+01	1.282E+01	1.086E+01	1.710E+01	1.143E+01	1.719E+01	1.233E+01	1.232E+01	1.196E+01	1.406E+01	1.734E+01	1.599E+01	1.588E+01
244	1.269E+01	1.146E+01	1.351E+01	1.090E+01	1.643E+01	1.285E+01	1.456E+01	1.405E+01	1.423E+01	1.321E+01	9.337E+00	8.642E+00	1.153E+01	1.165E+01
245	4.775E+00	4.954E+00	6.135E+00	5.253E+00	6.734E+00	5.700E+00	5.827E+00	6.967E+00	6.038E+00	6.443E+00	4.428E+00	5.632E+00	5.738E+00	6.168E+00
246	6.006E+00	5.873E+00	8.059E+00	8.546E+00	6.297E+00	6.465E+00	6.041E+00	7.724E+00	7.115E+00	7.567E+00	6.189E+00	5.644E+00	5.904E+00	6.673E+00

	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU
247	4.721E+00	4.112E+00	5.508E+00	4.855E+00	4.250E+00	4.140E+00	4.567E+00	3.877E+00	4.495E+00	4.296E+00	4.578E+00	3.652E+00	4.085E+00	4.339E+00
248	1.154E+02	8.169E+01	9.850E+01	1.199E+02	6.334E+01	8.095E+01	1.110E+02	8.927E+01	1.123E+02	7.814E+01	1.003E+02	7.918E+01	8.043E+01	7.316E+01
249	5.542E+01	4.102E+01	7.956E+01	9.014E+01	5.276E+01	6.892E+01	7.643E+01	6.751E+01	8.028E+01	7.152E+01	7.050E+01	8.626E+01	7.066E+01	7.415E+01
250	1.030E+02	1.023E+02	1.400E+02	1.516E+02	1.282E+02	1.397E+02	1.182E+02	1.450E+02	1.279E+02	1.323E+02	1.231E+02	1.342E+02	1.237E+02	1.434E+02
251	4.153E+01	3.967E+01	5.192E+01	4.125E+01	6.023E+01	4.631E+01	4.687E+01	4.419E+01	4.406E+01	3.796E+01	4.290E+01	5.644E+01	4.400E+01	4.751E+01
252	2.818E+00	3.073E+00	3.612E+00	2.386E+00	4.440E+00	3.013E+00	3.102E+00	2.577E+00	2.932E+00	2.508E+00	2.679E+00	3.741E+00	3.290E+00	3.042E+00
253	5.010E+00	5.290E+00	5.333E+00	3.900E+00	6.533E+00	5.525E+00	5.200E+00	4.345E+00	5.424E+00	6.210E+00	4.089E+00	3.363E+00	5.581E+00	4.154E+00
254	1.314E+01	1.106E+01	1.347E+01	1.019E+01	1.634E+01	1.270E+01	1.394E+01	1.420E+01	1.442E+01	1.221E+01	8.859E+00	8.277E+00	1.220E+01	1.106E+01
255	1.041E+01	1.017E+01	1.138E+01	9.886E+00	1.227E+01	9.669E+00	1.161E+01	1.202E+01	1.206E+01	1.053E+01	8.772E+00	7.420E+00	9.755E+00	9.583E+00
256	3.199E+00	2.889E+00	3.955E+00	3.278E+00	3.576E+00	3.156E+00	4.125E+00	2.882E+00	3.512E+00	3.062E+00	3.600E+00	2.781E+00	2.839E+00	2.761E+00
257	4.680E+00	5.467E+00	5.234E+00	4.716E+00	4.078E+00	5.153E+00	4.678E+00	4.234E+00	4.459E+00	4.467E+00	4.539E+00	3.993E+00	3.634E+00	4.097E+00
258	3.110E+01	3.108E+01	3.569E+01	3.868E+01	2.285E+01	2.599E+01	3.746E+01	3.007E+01	4.702E+01	3.445E+01	2.967E+01	3.147E+01	3.026E+01	2.497E+01
259	5.446E+01	4.657E+01	6.212E+01	7.261E+01	4.403E+01	5.165E+01	6.392E+01	5.166E+01	7.967E+01	4.596E+01	5.371E+01	4.442E+01	4.335E+01	4.170E+01
260	3.142E+01	3.029E+01	4.163E+01	4.147E+01	3.502E+01	3.923E+01	4.771E+01	2.779E+01	4.580E+01	3.249E+01	3.695E+01	3.829E+01	3.290E+01	3.469E+01
261	3.172E+01	3.751E+01	2.951E+01	2.184E+01	3.485E+01	3.361E+01	3.371E+01	2.851E+01	2.785E+01	2.875E+01	2.793E+01	2.539E+01	2.835E+01	2.726E+01
262	8.670E+00	1.268E+01	1.149E+01	7.456E+00	1.152E+01	9.966E+00	9.681E+00	8.741E+00	8.531E+00	1.007E+01	1.042E+01	9.974E+00	9.744E+00	8.213E+00
263	3.895E+00	4.634E+00	4.482E+00	3.663E+00	4.399E+00	4.052E+00	4.346E+00	4.024E+00	5.004E+00	5.272E+00	3.690E+00	2.621E+00	4.249E+00	3.344E+00
264	3.873E+00	3.505E+00	4.050E+00	2.564E+00	4.193E+00	3.343E+00	4.477E+00	3.135E+00	3.407E+00	3.228E+00	3.730E+00	2.443E+00	3.567E+00	2.383E+00
265	2.665E+00	2.387E+00	2.898E+00	1.721E+00	3.187E+00	2.235E+00	3.672E+00	2.099E+00	2.159E+00	2.481E+00	2.409E+00	1.790E+00	2.255E+00	1.782E+00
266	1.510E+00	1.210E+00	1.730E+00	7.683E-01	2.144E+00	1.246E+00	2.232E+00	8.611E-01	9.954E-01	1.131E+00	1.680E+00	1.249E+00	1.020E+00	7.813E-01
267	1.685E+00	1.390E+00	1.740E+00	1.081E+00	1.872E+00	1.422E+00	1.856E+00	1.137E+00	1.046E+00	1.399E+00	1.700E+00	1.104E+00	1.104E+00	9.628E-01
268	1.455E+01	1.609E+01	1.814E+01	1.774E+01	1.550E+01	1.812E+01	1.823E+01	1.288E+01	2.276E+01	1.949E+01	1.940E+01	1.656E+01	2.052E+01	1.543E+01
269	7.450E+00	8.205E+00	1.018E+01	8.247E+00	9.546E+00	7.775E+00	1.477E+01	6.525E+00	1.188E+01	8.060E+00	8.760E+00	1.022E+01	9.040E+00	6.709E+00
270	2.662E+00	2.653E+00	4.087E+00	2.689E+00	3.965E+00	2.738E+00	6.140E+00	2.356E+00	4.196E+00	2.466E+00	2.870E+00	4.277E+00	2.960E+00	2.260E+00
271	1.179E+01	1.471E+01	1.042E+01	9.522E+00	1.286E+01	1.422E+01	1.104E+01	1.139E+01	1.409E+01	1.037E+01	9.286E+00	9.731E+00	9.455E+00	1.123E+01
272	8.165E+01	9.185E+01	6.189E+01	5.096E+01	8.612E+01	8.677E+01	6.842E+01	8.002E+01	7.047E+01	7.796E+01	6.082E+01	5.232E+01	6.298E+01	7.045E+01
273	9.636E+01	1.082E+02	7.032E+01	5.894E+01	9.919E+01	9.885E+01	7.442E+01	9.079E+01	7.985E+01	8.990E+01	7.011E+01	6.201E+01	7.355E+01	8.226E+01
274	1.232E+01	1.542E+01	9.838E+00	8.410E+00	1.338E+01	1.371E+01	9.604E+00	1.242E+01	1.077E+01	1.414E+01	8.941E+00	8.863E+00	1.110E+01	1.120E+01
275	7.254E-01	6.258E-01	5.602E-01	7.770E-01	4.442E-01	8.543E-01	3.583E-01	7.451E-01	9.734E-01	4.622E-01	5.488E-01	4.715E-01	4.183E-01	5.187E-01
276	9.978E+00	1.358E+01	7.022E+00	7.159E+00	9.210E+00	9.820E+00	7.157E+00	7.911E+00	1.080E+01	5.574E+00	7.693E+00	6.152E+00	5.945E+00	7.574E+00
277	2.628E+01	3.078E+01	1.703E+01	1.624E+01	2.403E+01	2.436E+01	1.529E+01	1.733E+01	1.973E+01	1.626E+01	1.811E+01	1.456E+01	1.623E+01	1.747E+01
278	2.640E+01	3.171E+01	1.716E+01	1.664E+01	2.460E+01	2.498E+01	1.511E+01	1.755E+01	2.010E+01	1.691E+01	1.898E+01	1.492E+01	1.699E+01	1.825E+01
279	7.101E+00	6.396E+00	4.781E+00	5.043E+00	6.558E+00	5.208E+00	4.750E+00	4.117E+00	5.047E+00	5.302E+00	5.156E+00	8.216E+00	7.793E+00	5.928E+00
280	5.831E+00	5.776E+00	6.471E+00	5.155E+00	5.770E+00	6.100E+00	4.200E+00	4.330E+00	5.637E+00	4.494E+00	4.671E+00	6.433E+00	4.323E+00	4.385E+00
281	1.225E+02	1.165E+02	1.122E+02	1.367E+02	1.023E+02	1.165E+02	1.202E+02	1.301E+02	1.070E+02	1.316E+02	1.457E+02	1.309E+02	1.294E+02	1.295E+02
282	9.839E+01	1.018E+02	9.504E+01	1.174E+02	8.763E+01	9.971E+01	9.212E+01	1.131E+02	9.347E+01	1.191E+02	1.235E+02	1.145E+02	1.111E+02	1.131E+02
283	5.067E+01	3.879E+01	4.052E+01	3.429E+01	5.527E+01	3.493E+01	5.305E+01	3.960E+01	3.973E+01	4.004E+01	4.697E+01	5.958E+01	5.623E+01	5.392E+01
284	5.115E+00	5.795E+00	6.594E+00	7.725E+00	3.868E+00	5.575E+00	4.458E+00	5.073E+00	5.586E+00	6.217E+00	5.348E+00	4.497E+00	4.590E+00	5.387E+00
285	6.311E+01	7.348E+01	8.096E+01	8.176E+01	7.310E+01	7.958E+01	6.396E+01	8.046E+01	7.634E+01	7.816E+01	7.172E+01	7.694E+01	7.405E+01	8.259E+01
286	4.592E+01	5.912E+01	6.230E+01	6.426E+01	5.487E+01	6.154E+01	4.265E+01	6.211E+01	6.043E+01	6.013E+01	5.378E+01	6.061E+01	5.595E+01	6.449E+01
287	7.015E+00	7.500E+00	9.352E+00	6.599E+00	1.101E+01	7.923E+00	7.665E+00	7.125E+00	7.819E+00	6.875E+00	7.424E+00	1.065E+01	8.784E+00	8.952E+00

	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU
288	6.317E+01	7.483E+01	5.501E+01	4.560E+01	6.425E+01	6.622E+01	6.275E+01	5.519E+01	5.489E+01	5.733E+01	5.492E+01	4.672E+01	5.605E+01	5.496E+01
289	5.019E+01	6.456E+01	4.324E+01	3.628E+01	4.996E+01	5.323E+01	4.406E+01	4.593E+01	4.482E+01	4.629E+01	4.254E+01	3.682E+01	4.418E+01	4.508E+01
290	1.756E+01	2.688E+01	1.921E+01	1.712E+01	1.743E+01	2.064E+01	1.673E+01	2.042E+01	1.849E+01	2.255E+01	1.982E+01	1.790E+01	1.965E+01	1.918E+01
291	1.407E+01	2.302E+01	1.557E+01	1.351E+01	1.386E+01	1.664E+01	1.249E+01	1.601E+01	1.478E+01	1.847E+01	1.560E+01	1.471E+01	1.592E+01	1.596E+01
292	2.079E+00	2.538E+00	2.429E+00	1.769E+00	2.377E+00	2.039E+00	2.544E+00	2.059E+00	1.985E+00	2.368E+00	2.992E+00	2.651E+00	2.663E+00	2.152E+00
293	1.356E+00	1.073E+00	1.441E+00	7.295E-01	1.620E+00	1.010E+00	2.039E+00	7.514E-01	1.020E+00	7.754E-01	1.292E+00	1.101E+00	9.609E-01	6.336E-01
294	6.702E+00	3.033E+00	2.954E+00	3.407E+00	2.663E+00	2.667E+00	9.516E+00	2.028E+00	2.611E+00	3.206E+00	6.080E+00	3.522E+00	3.576E+00	3.264E+00
295	6.567E+00	2.971E+00	2.990E+00	3.469E+00	2.665E+00	2.703E+00	9.473E+00	2.016E+00	2.650E+00	3.219E+00	6.041E+00	3.514E+00	3.673E+00	3.327E+00
296	5.275E+00	1.997E+00	2.073E+00	1.952E+00	2.316E+00	1.715E+00	7.816E+00	1.511E+00	2.007E+00	2.033E+00	3.933E+00	2.883E+00	2.793E+00	2.668E+00
297	1.650E-01	3.965E-01	2.756E-01	2.254E-01	3.519E-01	3.726E-01	1.596E-01	3.301E-01	3.171E-01	3.510E-01	3.196E-01	2.479E-01	3.247E-01	3.535E-01
298	5.084E-03	9.224E-03	4.097E-03	5.427E-03	1.021E-02	8.817E-03	4.119E-03	8.602E-03	5.921E-03	8.538E-03	5.706E-03	5.492E-03	8.581E-03	6.779E-03
299	5.513E-02	1.173E-01	5.342E-02	5.492E-02	1.034E-01	1.013E-01	3.389E-02	5.663E-02	7.680E-02	5.320E-02	6.564E-02	5.642E-02	6.800E-02	8.002E-02
300	2.122E-03	6.264E-03	2.134E-03	1.315E-03	2.317E-03	2.832E-03	2.982E-03	1.579E-03	3.111E-03	2.338E-03	1.238E-03	1.828E-03	2.810E-03	2.810E-03
301	3.432E-02	6.414E-02	3.861E-02	3.196E-02	6.564E-02	6.092E-02	1.570E-02	4.162E-02	4.312E-02	3.690E-02	3.711E-02	4.784E-02	4.162E-02	4.977E-02
302	4.248E-04	3.304E-03	3.025E-03	2.137E-03	2.317E-03	1.163E-03	7.465E-04	2.467E-03	2.960E-03	1.673E-03	1.982E-03	1.828E-03	2.639E-03	2.639E-03
303	7.294E-02	2.014E-01	1.309E-01	1.197E-01	1.452E-01	1.553E-01	5.685E-02	1.165E-01	1.733E-01	1.276E-01	1.182E-01	1.356E-01	1.484E-01	1.532E-01
304	0.000E+00	8.238E-04	1.778E-04	8.216E-04	1.733E-03	1.163E-03	3.733E-04	1.053E-03	1.478E-03	8.366E-04	9.911E-04	7.616E-04	1.753E-04	1.158E-03
305	1.723E-01	2.925E-01	1.909E-01	1.446E-01	2.686E-01	2.710E-01	1.296E-01	2.102E-01	1.984E-01	2.111E-01	1.746E-01	1.515E-01	2.332E-01	2.371E-01
306	8.903E-03	1.746E-02	1.173E-02	8.881E-03	1.002E-02	1.246E-02	8.216E-03	1.193E-02	9.353E-03	1.388E-02	6.200E-03	7.916E-03	1.401E-02	1.240E-02
307	3.780E-01	1.058E+00	6.559E-01	5.032E-01	3.731E-01	6.296E-01	2.642E-01	5.635E-01	5.871E-01	7.259E-01	3.942E-01	5.675E-01	5.483E-01	6.991E-01
308	6.371E-03	2.143E-02	7.830E-03	7.229E-03	5.771E-03	8.967E-03	6.736E-03	1.036E-02	1.068E-02	1.203E-02	5.213E-03	7.315E-03	8.581E-03	1.158E-02
309	2.553E-03	3.797E-03	1.600E-03	1.974E-03	2.119E-03	2.660E-03	1.495E-03	3.153E-03	4.934E-04	4.183E-03	7.422E-04	2.274E-03	2.274E-03	2.982E-03
310	8.066E-03	1.648E-03	1.246E-03	2.467E-03	1.926E-03	9.975E-04	4.483E-03	7.015E-04	4.934E-04	8.366E-04	3.218E-03	1.218E-03	1.401E-03	1.158E-03
311	2.122E-03	4.934E-04	1.778E-04	4.934E-04	1.926E-04	1.663E-04	7.465E-04	1.755E-04	1.641E-04	5.020E-04	1.238E-03	0.000E+00	7.015E-04	4.955E-04
312	0.000E+00	4.934E-04	3.561E-04	1.150E-03	3.861E-04	1.663E-04	3.733E-04	7.015E-04	0.000E+00	1.673E-04	9.911E-04	6.092E-04	0.000E+00	1.654E-04
313	7.551E-02	1.118E-01	6.285E-02	5.106E-02	1.633E-01	9.031E-02	3.818E-02	7.680E-02	5.964E-02	1.077E-01	3.625E-02	6.028E-02	6.371E-02	7.723E-02
314	5.513E-03	2.960E-03	3.025E-03	2.639E-03	6.350E-03	3.153E-03	4.848E-03	2.274E-03	2.134E-03	3.668E-03	2.231E-03	1.371E-03	2.274E-03	2.639E-03
315	1.697E-02	2.875E-02	1.085E-02	9.868E-03	1.984E-02	1.663E-02	8.967E-03	1.474E-02	1.083E-02	2.107E-02	7.422E-03	1.294E-02	1.210E-02	1.223E-02
316	4.248E-04	1.154E-03	8.903E-04	3.282E-04	1.156E-03	6.650E-04	3.733E-04	8.774E-04	6.564E-04	8.366E-04	1.733E-03	7.616E-04	1.753E-04	0.000E+00
317	1.358E-02	2.274E-02	1.334E-02	6.414E-03	2.042E-02	1.596E-02	7.465E-03	1.491E-02	1.150E-02	1.590E-02	6.436E-03	1.828E-02	9.804E-03	1.058E-02
318	8.495E-04	1.317E-03	7.122E-04	3.282E-04	1.156E-03	0.000E+00	7.465E-04	1.403E-03	9.847E-04	1.506E-03	1.733E-03	6.092E-04	5.256E-04	6.607E-04
319	1.073E-01	1.937E-01	1.193E-01	1.051E-01	1.564E-01	1.100E-01	6.586E-02	1.474E-01	1.064E-01	1.658E-01	6.393E-02	1.313E-01	1.113E-01	1.088E-01
320	0.000E+00	9.889E-04	5.342E-04	1.643E-04	1.926E-04	3.325E-04	0.000E+00	5.256E-04	0.000E+00	1.171E-03	4.955E-04	6.092E-04	1.753E-04	3.304E-04
321	1.163E-01	1.744E-01	1.013E-01	6.865E-02	1.830E-01	1.079E-01	8.452E-02	1.309E-01	7.337E-02	1.502E-01	5.234E-02	8.002E-02	8.946E-02	1.049E-01
322	5.084E-03	8.066E-03	4.634E-03	2.639E-03	5.964E-03	4.162E-03	3.368E-03	1.264E-02	2.960E-03	7.358E-03	2.982E-03	3.797E-03	3.497E-03	2.145E-03
323	1.064E-01	2.205E-01	1.298E-01	1.049E-01	1.714E-01	1.386E-01	9.417E-02	1.746E-01	8.238E-02	2.074E-01	6.135E-02	1.328E-01	1.287E-01	1.375E-01
324	4.677E-03	9.718E-03	3.904E-03	3.776E-03	5.406E-03	3.153E-03	4.848E-03	7.723E-03	2.467E-03	3.840E-03	2.724E-03	2.596E-03	3.497E-03	4.955E-03
325	5.513E-03	7.573E-03	6.414E-03	5.427E-03	5.020E-03	6.479E-03	6.350E-03	7.186E-03	5.256E-03	6.521E-03	5.449E-03	5.942E-03	7.015E-03	4.290E-03
326	4.248E-04	6.586E-04	8.903E-04	6.586E-04	5.771E-04	4.977E-04	7.465E-04	1.931E-03	3.282E-04	3.347E-04	9.911E-04	4.569E-04	1.753E-04	3.304E-04
327	8.903E-03	8.903E-03	7.658E-03	5.921E-03	1.311E-02	1.113E-02	8.216E-03	8.774E-03	9.203E-03	1.137E-02	4.955E-03	5.642E-03	6.135E-03	6.950E-03
328	1.697E-03	6.586E-04	1.068E-03	1.643E-04	9.632E-04	1.330E-03	7.465E-04	3.518E-04	1.313E-03	1.171E-03	1.487E-03	4.569E-04	5.256E-04	3.304E-04

	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU
329	3.084E-01	2.806E-01	2.546E-01	1.557E-01	3.559E-01	3.111E-01	1.532E-01	1.937E-01	1.699E-01	3.462E-01	1.667E-01	1.622E-01	1.963E-01	2.032E-01
330	2.960E-03	2.960E-03	3.389E-03	1.643E-03	3.475E-03	2.167E-03	4.119E-03	1.229E-03	1.806E-03	3.175E-03	2.724E-03	1.371E-03	1.929E-03	2.488E-03
331	1.783E-02	3.368E-02	2.064E-02	1.446E-02	2.167E-02	1.811E-02	9.718E-03	1.491E-02	1.690E-02	2.167E-02	7.422E-03	1.006E-02	8.946E-03	1.735E-02
332	8.495E-04	6.586E-04	1.778E-04	1.643E-04	0.000E+00	4.977E-04	3.733E-04	3.518E-04	4.934E-04	5.020E-04	4.955E-04	3.046E-04	1.753E-04	1.654E-04
333	1.019E-02	1.879E-02	1.761E-02	9.031E-03	1.427E-02	1.279E-02	4.119E-03	1.124E-02	1.264E-02	1.388E-02	8.173E-03	8.838E-03	7.894E-03	1.191E-02
334	1.272E-03	1.648E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.755E-04	0.000E+00	3.347E-04	0.000E+00	0.000E+00	3.497E-04	3.304E-04
335	2.767E-02	4.762E-02	2.939E-02	1.924E-02	3.454E-02	3.304E-02	2.381E-02	2.274E-02	2.832E-02	3.518E-02	1.536E-02	2.025E-02	2.381E-02	2.424E-02
336	8.495E-04	1.482E-03	2.488E-03	1.150E-03	1.349E-03	2.488E-03	1.495E-03	1.755E-03	1.313E-03	1.171E-03	1.487E-03	7.616E-04	1.227E-03	8.259E-04
337	6.822E-02	6.736E-02	4.870E-02	3.432E-02	8.559E-02	8.002E-02	3.540E-02	4.741E-02	4.870E-02	7.701E-02	2.338E-02	3.025E-02	4.097E-02	4.248E-02
338	8.495E-04	1.317E-03	5.342E-04	9.868E-04	1.926E-03	8.302E-04	3.733E-04	2.467E-03	8.216E-04	1.004E-03	1.238E-03	1.066E-03	3.497E-04	8.259E-04
339	2.252E-02	4.548E-02	3.347E-02	1.628E-02	3.561E-02	3.068E-02	1.643E-02	2.274E-02	2.553E-02	4.741E-02	1.214E-02	2.010E-02	2.102E-02	2.274E-02
340	1.697E-03	1.813E-03	1.600E-03	9.868E-04	2.510E-03	1.995E-03	1.868E-03	1.053E-03	1.478E-03	1.673E-03	2.231E-03	1.218E-03	1.401E-03	1.158E-03
341	6.779E-03	2.810E-03	2.853E-03	2.960E-03	4.054E-03	2.488E-03	4.119E-03	4.205E-03	2.295E-03	1.673E-03	2.982E-03	1.523E-03	2.446E-03	2.317E-03
342	4.248E-04	8.238E-04	8.903E-04	1.643E-04	7.701E-04	4.977E-04	1.122E-03	5.256E-04	4.934E-04	3.347E-04	0.000E+00	0.000E+00	1.753E-04	1.654E-04
343	2.960E-03	4.441E-03	7.830E-03	2.639E-03	5.406E-03	2.488E-03	4.483E-03	2.982E-03	1.969E-03	4.848E-03	3.475E-03	4.870E-03	3.325E-03	3.304E-03
344	0.000E+00	1.648E-04	1.778E-04	1.643E-04	1.926E-04	0.000E+00	3.733E-04	1.755E-04	0.000E+00	0.000E+00	2.467E-04	1.523E-04	5.256E-04	1.654E-04

	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG	EH
1	13825	13832	13840	13865	13879	13892	13897	13920	13989	14027	14080	14100	14202
2	Benign	Benign	Benign	Early Malignant	Benign	Benign	Benign	Benign	Late Malignant	Benign	Benign	Benign	Benign
3	1	1	1	2	1	1	1	1	3	1	1	1	1
4	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
5	1.311E+00	1.922E+00	1.382E+00	1.927E+00	1.945E+00	1.874E+00	3.742E+00	7.352E-01	7.263E-01	8.948E-01	1.126E+00	9.734E-01	5.504E-02
6	7.055E-01	6.416E-01	9.632E-01	2.457E-01	7.553E-01	9.300E-01	2.116E+00	3.959E-01	2.597E-01	3.240E-01	5.420E-01	6.655E-01	4.957E-02
7	2.532E-01	3.144E-01	2.672E-01	1.888E-01	2.983E-01	2.843E-01	7.457E-01	9.968E-02	9.571E-02	1.030E-01	1.760E-01	1.854E-01	4.410E-02
8	5.107E-01	6.406E-01	5.268E-01	5.290E-01	7.633E-01	7.039E-01	1.190E+00	2.414E-01	2.135E-01	3.369E-01	3.054E-01	3.278E-01	7.715E-02
9	1.170E-02	1.642E-02	1.073E-02	3.766E-02	1.695E-02	9.067E-03	2.221E-02	9.882E-03	9.013E-03	1.631E-02	5.633E-02	3.311E-02	6.609E-02
10	1.067E-02	1.277E-02	8.691E-03	5.644E-03	1.749E-02	2.189E-02	3.391E-02	2.242E-03	8.155E-03	7.833E-03	3.122E-03	0.000E+00	0.000E+00
11	8.530E-03	1.588E-02	1.223E-02	1.223E-02	1.749E-02	1.599E-02	2.800E-02	4.496E-03	6.438E-03	5.418E-03	1.663E-02	2.650E-02	1.105E-02
12	5.333E-03	1.094E-02	6.137E-03	1.320E-02	9.549E-03	4.796E-03	1.044E-02	3.594E-03	4.721E-03	3.015E-03	9.378E-03	0.000E+00	5.504E-03
13	2.661E-03	6.695E-03	1.534E-03	1.320E-02	8.498E-03	5.869E-03	7.833E-03	5.386E-03	2.575E-03	6.019E-03	4.174E-03	3.315E-03	1.652E-02
14	4.270E-02	6.212E-02	5.773E-02	2.725E-02	8.863E-02	9.914E-02	2.178E-01	1.395E-02	1.073E-02	3.251E-02	3.444E-02	2.650E-02	2.758E-02
15	7.468E-03	4.871E-03	5.118E-03	1.223E-02	4.249E-03	5.333E-03	9.785E-03	4.045E-03	4.292E-04	4.818E-03	7.296E-03	0.000E+00	1.105E-02
16	0.000E+00	0.000E+00	0.000E+00	9.399E-04	5.311E-04	5.333E-04	0.000E+00	0.000E+00	1.288E-03	0.000E+00	3.122E-03	6.620E-03	0.000E+00
17	1.599E-03	5.483E-03	5.118E-03	5.644E-03	5.837E-03	3.734E-03	8.476E-03	4.045E-03	2.146E-03	4.818E-03	3.122E-03	1.652E-02	0.000E+00
18	2.082E-02	3.230E-02	2.758E-02	3.766E-02	4.249E-02	1.921E-02	4.303E-02	1.845E-02	1.459E-02	1.148E-02	5.311E-02	2.318E-02	4.410E-02
19	6.985E-02	1.363E-01	7.725E-02	9.496E-02	1.073E-01	9.549E-02	2.554E-01	3.187E-02	3.004E-02	3.498E-02	6.363E-02	8.939E-02	1.652E-02
20	1.599E-03	3.047E-03	2.554E-03	1.878E-03	3.712E-03	6.395E-03	2.607E-03	4.045E-03	1.717E-03	0.000E+00	2.082E-03	3.315E-03	5.504E-03
21	8.530E-03	1.094E-02	1.277E-02	6.588E-03	1.330E-02	8.530E-03	1.631E-02	8.530E-03	8.155E-03	6.620E-03	1.663E-02	4.966E-02	5.504E-03
22	1.599E-03	3.047E-03	1.023E-03	5.644E-03	3.187E-03	3.734E-03	2.607E-03	2.242E-03	4.292E-04	1.202E-03	1.042E-03	0.000E+00	5.504E-03
23	4.109E-02	5.118E-02	6.341E-02	6.964E-02	3.981E-02	4.217E-02	1.309E-01	2.607E-02	2.790E-02	2.833E-02	5.633E-02	8.939E-02	2.758E-02
24	3.412E-02	6.878E-02	5.730E-02	9.592E-02	6.427E-02	4.002E-02	1.191E-01	3.144E-02	3.519E-02	2.833E-02	9.796E-02	4.304E-02	4.957E-02
25	2.028E-02	1.824E-02	3.122E-02	1.127E-02	2.393E-02	1.706E-02	7.049E-02	1.073E-02	9.013E-03	1.084E-02	1.459E-02	3.973E-02	0.000E+00
26	2.028E-02	2.682E-02	1.277E-02	1.223E-02	1.749E-02	2.403E-02	5.086E-02	3.144E-03	7.725E-03	1.148E-02	1.148E-02	1.320E-02	1.105E-02
27	2.135E-03	3.648E-03	3.584E-03	4.700E-03	4.775E-03	1.170E-02	1.373E-02	8.981E-04	3.433E-03	1.803E-03	8.337E-03	9.936E-03	0.000E+00
28	3.305E-02	2.983E-02	4.034E-02	3.852E-02	2.704E-02	2.457E-02	5.740E-02	2.157E-02	1.760E-02	1.685E-02	3.755E-02	2.983E-02	5.504E-03
29	3.948E-02	2.800E-02	4.807E-02	3.391E-02	5.150E-02	4.163E-02	6.459E-02	3.594E-02	1.803E-02	2.951E-02	5.633E-02	3.642E-02	1.652E-02
30	5.011E-02	5.966E-02	5.418E-02	1.062E-01	6.792E-02	5.923E-02	8.412E-02	4.850E-02	4.893E-02	5.966E-02	9.796E-02	2.983E-02	2.758E-02
31	3.358E-02	5.354E-02	4.034E-02	4.700E-02	5.569E-02	4.270E-02	8.090E-02	4.624E-02	3.305E-02	4.582E-02	4.796E-02	3.311E-02	5.504E-03
32	6.931E-03	2.071E-02	6.642E-03	9.399E-03	1.223E-02	9.603E-03	2.157E-02	4.045E-03	2.575E-03	1.266E-02	1.770E-02	0.000E+00	5.504E-03
33	1.330E-02	1.524E-02	1.180E-02	6.588E-03	9.024E-03	8.530E-03	1.760E-02	4.936E-03	5.579E-03	1.084E-02	1.459E-02	9.936E-03	5.504E-03
34	5.279E-02	9.077E-02	3.830E-02	1.706E-01	7.586E-02	6.770E-02	7.307E-02	5.343E-02	5.279E-02	7.285E-02	1.545E-01	8.939E-02	3.305E-02
35	4.528E-02	7.006E-02	4.957E-02	5.644E-02	5.783E-02	9.174E-02	1.373E-01	8.401E-02	6.738E-02	8.433E-02	1.180E-01	1.985E-02	4.957E-02
36	4.270E-03	5.483E-03	6.137E-03	9.399E-04	4.775E-03	1.067E-02	9.131E-03	5.386E-03	8.155E-03	9.635E-03	4.174E-03	0.000E+00	0.000E+00
37	2.350E-02	1.770E-02	1.738E-02	2.446E-02	1.534E-02	1.223E-02	2.414E-02	2.017E-02	6.009E-03	1.024E-02	3.648E-02	3.311E-02	2.200E-02
38	3.197E-03	1.094E-02	9.206E-03	9.399E-03	6.373E-03	4.796E-03	1.044E-02	2.242E-03	5.579E-03	1.803E-03	6.255E-03	9.936E-03	5.504E-03
39	1.159E-01	8.219E-02	1.008E-01	9.871E-02	8.391E-02	1.018E-01	1.835E-01	1.770E-01	4.421E-02	1.459E-01	1.491E-01	6.622E-02	1.760E-01
40	1.438E-01	1.438E-01	1.202E-01	1.148E-01	1.685E-01	9.174E-02	1.470E-01	1.642E-01	4.378E-02	8.251E-02	1.717E-01	1.324E-01	9.914E-02
41	1.921E-02	2.189E-02	1.534E-02	2.071E-02	1.438E-02	8.530E-03	2.607E-02	1.212E-02	9.442E-03	1.320E-02	2.189E-02	3.311E-02	3.852E-02

	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG	EH
42	3.734E-03	7.307E-03	2.049E-03	1.878E-03	2.650E-03	1.067E-03	5.869E-03	1.352E-03	8.584E-04	1.803E-03	5.215E-03	1.985E-02	5.504E-03
43	5.504E-03	7.742E-03	6.121E-03	1.780E-02	1.006E-02	8.950E-03	6.713E-03	4.964E-03	5.761E-03	5.041E-03	3.935E-02	9.524E-03	5.272E-03
44	8.667E-02	1.093E-01	7.484E-02	2.092E-01	9.182E-02	1.168E-01	1.553E-01	3.935E-02	5.915E-02	5.838E-02	2.401E-01	1.159E-01	7.124E-02
45	5.427E-02	5.993E-02	7.124E-02	1.155E-01	6.456E-02	7.459E-02	8.950E-02	5.015E-02	5.144E-02	5.401E-02	1.664E-01	9.921E-02	6.070E-02
46	9.208E-02	1.379E-01	9.233E-02	2.879E-01	9.413E-02	1.337E-01	1.150E-01	6.018E-02	8.873E-02	8.693E-02	3.510E-01	8.730E-02	9.362E-02
47	4.244E-02	4.321E-02	4.167E-02	9.799E-02	4.192E-02	5.838E-02	5.092E-02	1.700E-02	3.498E-02	3.858E-02	9.394E-02	3.809E-02	1.849E-02
48	7.021E-03	1.021E-02	7.716E-03	2.052E-02	6.353E-03	8.436E-03	1.641E-02	4.295E-03	3.806E-03	6.636E-03	1.875E-02	9.524E-03	5.272E-03
49	7.150E-03	6.867E-03	5.761E-03	5.195E-03	7.381E-03	1.163E-02	8.127E-03	3.344E-03	2.263E-03	3.601E-03	1.325E-02	4.758E-03	2.649E-03
50	1.533E-03	2.906E-03	3.421E-03	5.195E-03	4.321E-03	2.803E-03	3.446E-03	1.831E-03	1.852E-03	2.598E-03	9.002E-03	6.353E-03	2.649E-03
51	1.330E-01	2.001E-01	1.193E-01	1.502E-01	1.723E-01	1.811E-01	1.263E-01	1.391E-01	3.290E-01	1.703E-01	4.232E-01	1.040E-01	1.728E-01
52	3.575E-03	2.778E-03	2.701E-03	5.633E-03	2.932E-03	2.173E-03	2.803E-03	2.572E-03	5.658E-03	2.752E-03	3.086E-02	2.382E-03	2.649E-03
53	9.336E-03	1.649E-02	8.693E-03	2.855E-02	1.145E-02	1.175E-02	8.745E-03	7.433E-03	1.008E-02	1.343E-02	2.598E-02	7.150E-03	1.319E-02
54	5.063E+00	4.501E+00	5.778E+00	5.642E+00	4.931E+00	4.751E+00	4.227E+00	6.169E+00	5.643E+00	6.195E+00	7.107E+00	7.164E+00	5.888E+00
55	5.283E-01	7.007E-01	4.690E-01	7.797E-01	6.237E-01	5.623E-01	6.061E-01	6.240E-01	6.963E-01	6.119E-01	9.349E-01	6.960E-01	5.875E-01
56	1.574E-01	1.386E-01	1.749E-01	1.919E-01	1.553E-01	1.605E-01	1.574E-01	2.130E-01	2.182E-01	1.867E-01	2.808E-01	2.706E-01	2.324E-01
57	2.959E+00	4.110E+00	2.716E+00	4.680E+00	3.631E+00	3.262E+00	3.257E+00	3.110E+00	3.841E+00	3.453E+00	4.785E+00	4.126E+00	4.234E+00
58	4.321E-02	6.250E-02	3.729E-02	1.294E-01	4.372E-02	5.761E-02	3.832E-02	3.472E-02	7.690E-02	6.224E-02	1.919E-01	8.889E-02	9.773E-02
59	5.427E-02	6.558E-02	4.089E-02	7.099E-02	5.993E-02	5.504E-02	5.350E-02	5.195E-02	5.272E-02	5.684E-02	6.446E-02	3.175E-02	3.035E-02
60	5.375E-03	8.307E-03	5.761E-03	8.127E-03	7.896E-03	6.507E-03	7.510E-03	6.996E-03	4.527E-03	1.054E-02	9.490E-03	4.758E-03	6.610E-03
61	1.179E+00	2.115E+00	1.104E+00	2.416E+00	1.110E+00	1.541E+00	1.689E+00	1.948E+00	2.302E+00	3.158E+00	2.192E+00	1.667E+00	1.916E+00
62	6.120E-01	3.691E-01	7.891E-01	4.477E-01	5.121E-01	4.239E-01	4.291E-01	6.925E-01	4.847E-01	4.905E-01	7.430E-01	1.160E+00	1.106E+00
63	5.761E-03	1.371E-02	8.333E-03	1.579E-02	6.224E-03	7.793E-03	9.696E-03	8.513E-03	1.327E-02	1.602E-02	1.924E-02	1.111E-02	1.453E-02
64	2.813E+00	1.937E+00	3.047E+00	1.881E+00	2.811E+00	2.616E+00	2.133E+00	3.725E+00	2.748E+00	2.564E+00	2.780E+00	1.552E+00	1.480E+00
65	9.953E-02	7.742E-02	1.029E-01	1.057E-01	9.516E-02	1.024E-01	6.764E-02	1.124E-01	1.286E-01	1.214E-01	1.167E-01	8.016E-02	5.813E-02
66	7.356E-01	5.762E-01	6.176E-01	5.748E-01	8.205E-01	5.723E-01	4.558E-01	6.198E-01	6.794E-01	6.299E-01	6.596E-01	3.778E-01	3.419E-01
67	4.089E-02	4.527E-02	2.881E-02	9.619E-02	4.784E-02	6.764E-02	2.881E-02	3.009E-02	1.034E-01	7.253E-02	1.099E-01	2.619E-02	1.319E-02
68	1.317E-02	1.474E-02	1.335E-02	1.533E-02	1.577E-02	2.238E-02	1.721E-02	1.561E-02	1.070E-02	1.343E-02	1.998E-02	1.190E-02	1.319E-02
69	5.289E-01	9.183E-01	4.948E-01	9.294E-01	5.870E-01	7.331E-01	6.388E-01	9.259E-01	8.215E-01	1.323E+00	5.574E-01	3.333E-01	3.855E-01
70	1.343E-02	2.451E-02	1.543E-02	3.704E-02	1.502E-02	2.019E-02	2.065E-02	1.970E-02	2.253E-02	3.266E-02	1.373E-02	1.429E-02	1.319E-02
71	3.061E-03	5.993E-03	1.715E-03	5.633E-03	7.124E-03	6.764E-03	4.835E-03	4.089E-03	3.909E-03	4.038E-03	7.253E-03	1.587E-03	0.000E+00
72	3.832E-03	3.498E-03	2.207E-03	8.565E-03	2.544E-03	2.428E-03	2.503E-03	3.884E-03	3.292E-03	5.195E-03	3.498E-03	4.758E-03	2.649E-03
73	1.682E-03	0.000E+00	5.384E-04	3.962E-03	2.235E-03	0.000E+00	6.862E-04	4.729E-04	4.515E-04	2.528E-03	2.190E-03	0.000E+00	0.000E+00
74	3.363E-03	1.089E-02	4.300E-03	4.944E-03	3.352E-03	6.174E-03	1.230E-02	1.885E-03	3.612E-03	1.264E-03	5.485E-03	1.045E-02	1.163E-02
75	3.646E-02	5.056E-02	4.300E-02	1.783E-02	6.196E-02	6.117E-02	2.077E-01	4.391E-02	2.664E-02	4.368E-02	1.086E-01	8.359E-02	4.052E-02
76	3.194E-02	7.427E-02	4.413E-02	5.147E-02	7.540E-02	1.065E-01	3.826E-01	4.492E-02	3.521E-02	5.632E-02	1.648E-01	9.055E-02	5.790E-02
77	3.363E-03	5.767E-03	4.300E-03	4.944E-03	1.230E-02	1.682E-02	4.594E-02	8.036E-03	4.063E-03	5.700E-03	2.415E-02	6.964E-03	5.790E-03
78	0.000E+00	0.000E+00	1.076E-03	2.968E-03	5.587E-04	1.122E-03	6.862E-04	1.422E-03	4.515E-04	6.332E-04	0.000E+00	3.488E-03	0.000E+00
79	3.363E-03	1.919E-03	4.842E-03	2.968E-03	2.235E-03	2.246E-03	2.054E-03	4.255E-03	1.806E-03	2.528E-03	4.391E-03	0.000E+00	0.000E+00
80	1.122E-03	1.275E-03	5.384E-04	0.000E+00	1.116E-03	0.000E+00	2.054E-03	9.447E-04	4.515E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00
81	8.973E-03	1.025E-02	1.021E-02	1.388E-02	1.343E-02	1.230E-02	9.605E-03	7.088E-03	3.160E-03	7.596E-03	1.208E-02	1.388E-02	0.000E+00
82	2.799E-03	5.124E-03	1.076E-03	4.944E-03	4.470E-03	5.609E-04	7.551E-03	4.729E-03	3.612E-03	5.700E-03	8.770E-03	3.488E-03	5.790E-03

	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG	EH
83	5.609E-04	6.400E-04	1.076E-03	1.975E-03	1.670E-03	0.000E+00	4.808E-03	3.307E-03	4.515E-04	0.000E+00	1.096E-03	3.488E-03	0.000E+00
84	9.537E-03	1.479E-02	1.287E-02	3.962E-03	7.822E-03	1.851E-02	1.377E-02	1.422E-03	1.354E-03	6.332E-04	1.422E-02	1.388E-02	1.163E-02
85	2.799E-03	2.562E-03	1.614E-03	9.887E-04	0.000E+00	3.928E-03	2.743E-03	9.447E-04	4.515E-04	1.896E-03	2.190E-03	3.488E-03	0.000E+00
86	2.799E-03	1.089E-02	4.842E-03	8.905E-03	6.140E-03	8.973E-03	1.512E-02	1.087E-02	2.257E-03	6.964E-03	3.070E-02	1.388E-02	0.000E+00
87	1.230E-02	5.192E-02	2.370E-02	1.885E-02	3.409E-02	2.912E-02	6.998E-02	3.544E-02	1.761E-02	3.612E-02	9.865E-02	2.438E-02	5.790E-03
88	1.122E-03	1.275E-02	2.686E-03	0.000E+00	8.939E-03	7.291E-03	1.163E-02	5.666E-03	3.160E-03	6.332E-03	1.535E-02	1.045E-02	0.000E+00
89	7.291E-03	1.727E-02	9.142E-03	2.968E-03	1.456E-02	1.065E-02	2.743E-02	9.921E-03	7.223E-03	8.871E-03	3.950E-02	6.964E-03	5.790E-03
90	1.010E-02	4.481E-02	2.201E-02	2.472E-02	4.582E-02	5.214E-02	1.761E-01	5.293E-02	4.289E-02	6.456E-02	2.039E-01	4.528E-02	3.476E-02
91	3.363E-03	7.686E-03	3.228E-03	1.975E-03	6.704E-03	1.456E-02	1.919E-02	6.614E-03	1.084E-02	8.871E-03	1.535E-02	3.488E-03	5.790E-03
92	2.799E-03	1.411E-02	6.456E-03	6.930E-03	7.822E-03	9.537E-03	1.919E-02	1.129E-02	5.869E-03	3.172E-03	3.397E-02	2.088E-02	5.790E-03
93	2.246E-03	8.962E-03	7.528E-03	1.975E-03	3.905E-03	5.609E-03	1.512E-02	5.666E-03	2.257E-03	6.332E-03	1.648E-02	3.488E-03	5.790E-03
94	1.682E-03	6.400E-04	1.076E-03	9.887E-04	1.670E-03	0.000E+00	2.054E-03	4.729E-04	9.029E-04	6.332E-04	4.391E-03	0.000E+00	5.790E-03
95	6.727E-03	2.246E-02	1.185E-02	1.388E-02	1.343E-02	2.528E-02	3.499E-02	6.614E-03	6.321E-03	1.014E-02	4.165E-02	1.388E-02	0.000E+00
96	6.727E-03	7.686E-03	9.142E-03	5.937E-03	3.905E-03	1.065E-02	2.336E-02	7.088E-03	6.772E-03	4.436E-03	1.862E-02	3.488E-03	0.000E+00
97	2.799E-03	4.481E-03	4.842E-03	4.944E-03	5.587E-03	7.856E-03	1.163E-02	4.729E-03	9.029E-03	6.964E-03	1.648E-02	0.000E+00	5.790E-03
98	5.609E-03	1.603E-02	6.986E-03	4.944E-03	7.822E-03	1.010E-02	1.445E-02	2.833E-03	1.354E-03	5.700E-03	1.975E-02	0.000E+00	0.000E+00
99	1.582E-01	9.810E-02	1.209E-01	9.454E-02	1.097E-01	8.535E-02	1.913E-01	2.146E-01	4.414E-02	8.056E-02	1.459E-01	8.325E-02	1.133E-01
100	3.899E-02	4.316E-02	3.617E-02	5.261E-02	4.795E-02	3.102E-02	4.329E-02	2.771E-02	3.483E-02	3.029E-02	5.714E-02	3.029E-02	2.514E-02
101	1.219E-01	1.422E-01	1.582E-01	1.471E-01	1.815E-01	1.582E-01	1.766E-01	1.435E-01	9.712E-02	1.312E-01	1.754E-01	1.854E-01	1.196E-01
102	6.622E-01	7.922E-01	7.676E-01	1.901E-01	5.960E-01	6.732E-01	5.101E-01	1.643E-01	2.109E-01	1.212E-01	3.240E-01	5.146E-01	1.631E-01
103	1.508E-01	1.974E-01	1.913E-01	1.987E-01	2.023E-01	1.913E-01	2.575E-01	1.766E-01	8.191E-02	1.496E-01	2.228E-01	2.043E-01	2.207E-01
104	3.213E-01	2.869E-01	3.286E-01	3.176E-01	3.213E-01	2.416E-01	2.489E-01	2.636E-01	2.575E-01	1.790E-01	3.955E-01	2.800E-01	2.330E-01
105	7.456E-01	1.009E+00	8.449E-01	1.925E-01	7.750E-01	8.459E-01	8.194E-01	1.803E-01	1.324E-01	1.999E-01	1.876E-01	8.173E-01	2.514E-01
106	2.403E-01	1.668E-01	2.354E-01	2.134E-01	1.606E-01	2.048E-01	2.428E-01	2.980E-01	2.882E-01	2.060E-01	3.776E-01	1.627E-01	2.391E-01
107	1.545E-01	9.528E-02	1.582E-01	1.275E-01	1.324E-01	1.042E-01	1.324E-01	1.766E-01	9.172E-02	9.565E-02	1.631E-01	1.173E-01	9.442E-02
108	1.643E-01	1.619E-01	1.839E-01	2.085E-01	2.023E-01	1.839E-01	1.962E-01	2.256E-01	1.508E-01	1.668E-01	1.766E-01	1.627E-01	2.072E-01
109	6.094E-03	9.050E-03	4.096E-03	7.529E-03	7.284E-03	1.827E-03	6.708E-03	5.138E-04	6.867E-03	7.566E-03	3.568E-03	7.566E-03	0.000E+00
110	1.398E-02	1.741E-02	1.459E-02	5.371E-03	2.060E-02	1.219E-02	1.717E-02	5.641E-03	1.177E-02	8.952E-03	7.149E-03	0.000E+00	0.000E+00
111	1.582E-02	1.183E-02	1.052E-02	8.596E-03	2.489E-02	1.521E-02	1.422E-02	1.337E-02	4.905E-03	1.239E-02	1.312E-02	0.000E+00	0.000E+00
112	9.749E-03	8.351E-03	9.933E-03	1.182E-02	1.876E-02	9.749E-03	1.118E-02	9.749E-03	6.376E-03	1.101E-02	2.379E-03	3.789E-03	0.000E+00
113	3.041E-03	2.085E-03	1.754E-03	7.529E-03	4.243E-03	3.053E-03	2.980E-03	4.108E-03	1.471E-03	0.000E+00	1.191E-03	0.000E+00	0.000E+00
114	3.041E-03	2.784E-03	2.342E-03	4.304E-03	7.885E-03	2.440E-03	9.687E-03	3.593E-03	2.452E-03	2.060E-03	3.568E-03	0.000E+00	0.000E+00
115	4.267E-03	6.953E-03	3.507E-03	3.225E-03	3.029E-03	5.481E-03	7.456E-03	2.048E-03	2.943E-03	4.132E-03	4.770E-03	0.000E+00	0.000E+00
116	1.219E-03	1.386E-03	2.342E-03	1.074E-03	4.243E-03	2.440E-03	2.232E-03	2.048E-03	1.471E-03	1.373E-03	4.770E-03	0.000E+00	0.000E+00
117	6.094E-03	1.044E-02	7.590E-03	9.675E-03	1.091E-02	4.880E-03	1.193E-02	7.186E-03	5.395E-03	4.819E-03	4.770E-03	3.789E-03	6.291E-03
118	6.094E-04	2.085E-03	2.342E-03	5.371E-03	3.642E-03	1.827E-03	8.952E-03	1.545E-03	3.433E-03	2.747E-03	0.000E+00	0.000E+00	0.000E+00
119	3.041E-03	4.169E-03	1.169E-03	6.450E-03	6.671E-03	4.880E-03	3.728E-03	3.078E-03	1.962E-03	2.747E-03	0.000E+00	0.000E+00	6.291E-03
120	5.481E-03	4.169E-03	1.754E-03	2.146E-03	7.885E-03	5.481E-03	4.476E-03	0.000E+00	1.962E-03	6.879E-04	2.379E-03	3.789E-03	0.000E+00
121	3.473E-01	1.220E-01	2.306E-01	1.549E-01	1.175E-01	1.523E-01	1.122E-01	9.617E-02	3.375E-02	1.728E-01	4.622E-01	3.553E-01	4.337E-01
122	2.289E-01	7.845E-02	1.282E-01	1.683E-01	1.175E-01	1.371E-01	9.795E-02	1.318E-01	1.719E-01	1.291E-01	1.941E-01	2.843E-01	4.728E-01
123	2.262E+00	2.618E+00	1.808E+00	5.076E+00	1.879E+00	2.858E+00	3.598E+00	1.719E+00	2.199E+00	2.280E+00	1.655E+00	5.780E+00	3.348E+00

	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG	EH
124	1.870E-01	3.918E-02	9.528E-02	8.077E-02	6.073E-02	4.960E-02	6.064E-02	6.109E-02	3.072E-02	6.465E-02	4.550E-01	3.079E-01	3.152E-01
125	2.636E-01	7.409E-02	1.541E-01	8.077E-02	5.699E-02	9.528E-02	1.211E-01	9.350E-02	4.301E-02	1.077E-01	5.966E-01	4.264E-01	3.544E-01
126	1.051E+00	3.874E-01	1.238E+00	2.084E-01	6.118E-01	7.017E-01	8.264E-01	9.350E-01	5.316E-01	5.984E-01	3.954E-01	6.396E-01	1.264E+00
127	2.395E+00	1.398E+00	1.915E+00	1.291E+00	1.291E+00	1.122E+00	2.244E+00	1.443E+00	1.077E+00	1.487E+00	1.309E+00	1.848E+00	4.533E+00
128	1.710E+00	2.271E+00	1.380E+00	2.654E+00	1.478E+00	2.315E+00	2.413E+00	1.273E+00	1.986E+00	2.012E+00	1.443E+00	4.738E+00	3.704E+00
129	5.343E-02	5.227E-02	2.191E-02	3.366E-02	4.176E-02	4.960E-02	8.869E-02	5.138E-02	5.218E-02	5.174E-02	2.458E-01	3.553E-01	7.881E-01
130	1.371E+01	8.651E+00	1.026E+01	6.821E+00	6.782E+00	9.638E+00	1.483E+01	1.657E+01	8.310E+00	1.846E+01	8.688E+00	1.653E+01	6.517E+01
131	1.238E+01	6.682E+00	9.873E+00	9.056E+00	1.040E+01	1.280E+01	1.152E+01	1.149E+01	6.606E+00	1.193E+01	1.014E+01	1.353E+01	3.901E+01
132	6.109E-02	7.845E-02	3.660E-02	1.345E-01	1.897E-02	4.577E-02	4.203E-02	4.176E-02	5.218E-02	4.310E-02	5.966E-02	1.656E-01	1.576E-01
133	3.811E-03	8.709E-03	1.460E-02	2.021E-02	1.523E-02	2.289E-02	2.796E-02	1.603E-02	1.843E-02	8.620E-03	3.731E-02	2.369E-02	7.881E-02
134	7.631E-03	4.354E-03	7.320E-03	0.000E+00	7.596E-03	3.811E-03	2.796E-02	9.617E-03	0.000E+00	1.291E-02	8.905E-02	4.737E-02	1.184E-01
135	2.289E-02	8.709E-03	1.825E-02	1.345E-02	1.140E-02	1.906E-02	3.268E-02	6.429E-03	3.072E-03	1.728E-02	6.714E-02	2.369E-02	7.881E-02
136	7.631E-03	2.618E-02	1.460E-02	3.366E-02	7.596E-03	2.671E-02	4.203E-02	1.282E-02	3.072E-03	8.620E-03	5.966E-02	7.106E-02	7.881E-02
137	3.437E-02	2.618E-02	4.025E-02	6.055E-02	5.316E-02	4.960E-02	6.999E-02	1.282E-02	1.843E-02	3.874E-02	2.983E-02	4.027E-01	7.881E-02
138	4.194E-02	1.309E-02	4.025E-02	6.732E-03	3.037E-02	2.671E-02	2.333E-02	6.109E-02	2.760E-02	4.310E-02	5.218E-02	1.184E-01	1.576E-01
139	1.603E-01	2.137E-01	1.167E-01	1.888E-01	1.060E-01	2.173E-01	1.496E-01	1.354E-01	3.874E-01	2.716E-01	3.206E-01	1.113E+00	7.097E-01
140	1.069E-01	1.478E-01	4.025E-02	1.817E-01	1.024E-01	9.172E-02	1.585E-01	5.459E-02	2.395E-01	1.202E-01	2.012E-01	4.738E-01	4.728E-01
141	6.483E-02	9.617E-02	8.050E-02	6.055E-02	1.523E-02	3.437E-02	6.064E-02	1.282E-02	2.458E-02	3.019E-02	1.042E-01	7.106E-02	3.152E-01
142	1.906E-02	8.709E-03	3.660E-03	2.021E-02	2.663E-02	1.523E-02	4.666E-03	6.429E-03	9.172E-03	1.728E-02	2.235E-02	7.106E-02	3.945E-02
143	2.289E-02	1.745E-02	3.295E-02	2.021E-02	7.596E-03	7.631E-03	3.731E-02	1.932E-02	9.172E-03	4.310E-03	7.453E-03	1.425E-01	0.000E+00
144	2.289E-02	4.791E-02	5.850E-02	4.711E-02	3.037E-02	3.811E-02	3.268E-02	2.573E-02	3.072E-03	2.155E-02	7.453E-02	0.000E+00	7.881E-02
145	1.906E-02	1.309E-02	1.460E-02	6.732E-03	2.280E-02	7.631E-03	2.796E-02	1.603E-02	2.760E-02	3.446E-02	4.470E-02	7.106E-02	7.881E-02
146	2.556E-01	2.876E-01	1.906E-01	3.028E-01	1.104E-01	2.671E-01	3.918E-01	2.155E-01	4.978E-01	3.793E-01	2.760E-01	7.817E-01	6.696E-01
147	1.451E-01	1.131E-01	1.496E-01	7.400E-02	9.528E-02	1.300E-01	1.309E-01	9.350E-02	2.030E-01	1.380E-01	1.719E-01	4.501E-01	1.184E-01
148	3.508E-01	3.793E-01	3.918E-01	3.900E-01	2.048E-01	3.891E-01	4.061E-01	3.054E-01	8.014E-01	4.052E-01	4.105E-01	1.184E+00	9.439E-01
149	6.866E-02	7.845E-02	5.850E-02	6.055E-02	3.419E-02	9.528E-02	7.934E-02	3.856E-02	1.354E-01	1.460E-01	6.714E-02	5.448E-01	2.760E-01
150	1.906E-02	2.618E-02	2.565E-02	2.689E-02	2.663E-02	3.811E-03	1.398E-02	1.932E-02	2.760E-02	2.582E-02	7.453E-02	6.396E-01	3.544E-01
151	7.631E-03	1.309E-02	3.295E-02	2.021E-02	1.523E-02	3.054E-02	4.666E-03	2.253E-02	1.532E-02	1.291E-02	7.453E-02	2.128E-01	1.576E-01
152	2.671E-02	3.918E-02	2.930E-02	2.689E-02	4.933E-02	2.671E-02	5.138E-02	1.932E-02	1.229E-02	1.728E-02	5.966E-02	9.439E-02	3.945E-02
153	2.671E-02	4.791E-02	2.930E-02	2.689E-02	1.523E-02	1.523E-02	1.398E-02	9.617E-03	1.532E-02	3.019E-02	4.470E-02	2.369E-02	3.945E-02
154	2.289E-02	1.309E-02	1.095E-02	2.021E-02	2.280E-02	3.811E-03	9.350E-03	9.617E-03	1.843E-02	1.291E-02	4.470E-02	0.000E+00	7.881E-02
155	1.523E-02	2.182E-02	3.295E-02	2.689E-02	1.523E-02	2.671E-02	2.333E-02	3.535E-02	6.144E-03	3.019E-02	7.453E-02	0.000E+00	1.184E-01
156	4.123E-01	7.275E-01	4.390E-01	7.471E-01	4.256E-01	1.069E+00	6.251E-01	5.013E-01	8.602E-01	8.139E-01	9.439E-01	1.919E+00	1.380E+00
157	1.256E-01	2.093E-01	1.941E-01	1.950E-01	1.478E-01	2.636E-01	1.024E-01	1.318E-01	3.651E-01	2.582E-01	2.609E-01	7.343E-01	3.152E-01
158	2.974E-01	6.189E-01	2.965E-01	4.034E-01	2.164E-01	5.378E-01	4.337E-01	4.372E-01	1.140E+00	8.744E-01	3.651E-01	1.113E+00	1.336E+00
159	8.771E-02	1.825E-01	6.946E-02	1.345E-01	1.211E-01	1.683E-01	1.915E-01	8.994E-02	2.885E-01	1.941E-01	1.487E-01	4.027E-01	5.913E-01
160	3.054E-02	2.182E-02	3.660E-02	4.711E-02	3.037E-02	1.906E-02	3.731E-02	2.894E-02	4.301E-02	2.582E-02	5.966E-02	4.737E-02	1.576E-01
161	1.906E-02	5.227E-02	2.565E-02	2.689E-02	1.897E-02	2.671E-02	2.796E-02	1.932E-02	1.532E-02	1.728E-02	2.983E-02	2.369E-02	1.184E-01
162	3.811E-02	4.354E-02	3.660E-02	6.732E-03	3.793E-02	3.811E-02	2.333E-02	2.253E-02	9.172E-03	2.582E-02	7.453E-03	0.000E+00	1.184E-01
163	3.437E-02	4.354E-02	3.660E-03	3.366E-02	2.663E-02	3.811E-03	1.870E-02	2.573E-02	2.458E-02	1.728E-02	2.983E-02	0.000E+00	0.000E+00
164	3.437E-02	1.309E-02	3.295E-02	2.021E-02	1.897E-02	0.000E+00	3.268E-02	6.429E-03	9.172E-03	8.620E-03	2.983E-02	2.369E-02	0.000E+00

	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG	EH
165	4.194E-02	3.045E-02	2.930E-02	4.034E-02	4.176E-02	4.194E-02	1.398E-02	2.894E-02	1.843E-02	2.155E-02	3.731E-02	4.737E-02	3.945E-02
166	4.960E-02	8.272E-02	3.660E-02	8.744E-02	1.523E-02	8.771E-02	6.536E-02	4.817E-02	7.373E-02	6.028E-02	1.122E-01	9.439E-02	3.945E-02
167	2.636E-01	3.224E-01	2.191E-01	4.167E-01	3.954E-01	6.144E-01	3.037E-01	1.959E-01	6.937E-01	6.981E-01	3.428E-01	4.027E-01	5.913E-01
168	1.149E-01	1.701E-01	1.131E-01	2.627E-01	1.140E-01	2.137E-01	1.630E-01	1.024E-01	2.796E-01	2.671E-01	1.567E-01	2.843E-01	4.728E-01
169	3.811E-02	1.086E-01	5.850E-02	8.077E-02	6.456E-02	6.483E-02	4.666E-02	9.350E-02	1.202E-01	1.167E-01	5.218E-02	1.184E-01	1.576E-01
170	3.437E-02	3.918E-02	2.191E-02	6.732E-02	3.419E-02	1.523E-02	4.203E-02	1.603E-02	2.146E-02	4.310E-02	5.218E-02	0.000E+00	3.945E-02
171	2.289E-02	1.745E-02	2.565E-02	5.378E-02	4.176E-02	3.054E-02	1.870E-02	6.429E-03	2.146E-02	3.019E-02	4.470E-02	4.737E-02	3.945E-02
172	1.113E-01	1.324E-01	9.516E-02	1.102E-01	2.256E-01	1.435E-01	1.398E-01	5.445E-02	1.790E-01	9.614E-02	1.337E-02	8.807E-02	1.194E-01
173	2.694E+00	2.681E+00	2.521E+00	6.205E-01	2.886E+00	2.690E+00	3.950E+00	3.433E-01	6.107E-01	3.666E-01	1.398E-01	2.469E+00	3.801E-01
174	4.267E+00	4.593E+00	4.414E+00	4.746E-01	4.399E+00	4.776E+00	6.432E+00	6.107E-01	7.892E-01	5.800E-01	9.246E-02	3.445E+00	3.311E-01
175	1.482E+00	1.032E+00	1.420E+00	3.936E-01	1.527E+00	1.101E+00	1.683E+00	4.549E-01	4.022E-01	2.808E-01	1.078E-01	1.047E+00	2.980E-01
176	3.204E+00	2.666E+00	2.626E+00	2.590E+00	3.276E+00	3.140E+00	3.387E+00	1.574E+00	1.876E+00	1.696E+00	4.375E-01	3.073E+00	1.243E+00
177	1.822E+00	1.443E+00	1.981E+00	1.196E+00	1.729E+00	2.419E+00	2.460E+00	1.424E+00	1.823E+00	1.674E+00	2.783E-01	2.075E+00	8.682E-01
178	3.274E-01	2.477E-01	3.299E-01	1.901E-01	3.433E-01	5.334E-01	4.255E-01	2.219E-01	4.966E-01	3.703E-01	3.691E-02	2.740E-01	2.330E-01
179	5.040E-02	3.654E-02	5.334E-02	2.869E-02	4.132E-02	6.781E-02	4.623E-02	2.833E-02	3.384E-02	3.262E-02	9.246E-03	3.914E-02	3.262E-02
180	3.151E-02	2.698E-02	1.962E-02	2.502E-02	3.188E-02	1.422E-02	1.668E-02	9.295E-03	3.801E-03	5.334E-03	2.048E-03	1.631E-02	1.085E-02
181	2.367E-02	2.636E-02	1.864E-02	2.134E-02	2.244E-02	2.367E-02	1.349E-02	2.256E-02	7.186E-03	1.300E-02	2.048E-03	1.962E-02	0.000E+00
182	1.140E-01	1.263E-01	8.719E-02	2.685E-02	7.787E-02	9.148E-02	8.351E-02	1.062E-02	1.778E-02	1.839E-02	1.026E-03	8.807E-02	1.085E-02
183	2.352E+00	1.813E+00	1.939E+00	7.750E-01	1.944E+00	1.596E+00	1.292E+00	9.076E-01	1.350E+00	5.236E-01	2.085E-01	6.426E-01	9.116E-01
184	2.154E+00	1.999E+00	2.018E+00	7.468E-01	1.692E+00	1.983E+00	1.456E+00	8.062E-01	1.495E+00	9.062E-01	2.228E-01	6.654E-01	1.031E+00
185	1.433E+00	1.416E+00	1.549E+00	2.575E-01	1.160E+00	1.204E+00	9.062E-01	4.525E-01	6.916E-01	3.409E-01	8.118E-02	4.567E-01	4.611E-01
186	3.198E+00	2.816E+00	3.251E+00	1.606E+00	2.923E+00	2.834E+00	1.681E+00	2.363E+00	2.655E+00	1.497E+00	3.758E-01	1.054E+00	1.194E+00
187	1.003E+00	6.045E-01	9.248E-01	4.414E-01	8.832E-01	5.947E-01	4.194E-01	8.155E-01	7.002E-01	3.311E-01	1.017E-01	2.022E-01	5.910E-01
188	9.773E-02	6.904E-02	8.719E-02	5.285E-02	9.307E-02	4.255E-02	4.047E-02	7.345E-02	7.787E-02	3.740E-02	1.852E-02	2.931E-02	1.085E-01
189	2.624E-02	1.803E-02	1.459E-02	2.502E-02	1.729E-02	1.888E-02	1.093E-02	1.288E-02	2.833E-02	2.735E-02	3.078E-03	3.262E-03	3.801E-02
190	3.789E-01	1.987E-01	3.213E-01	2.918E-01	3.102E-01	1.803E-01	1.086E-01	3.421E-01	2.526E-01	1.876E-01	7.701E-02	1.044E-01	1.901E-01
191	4.335E+00	3.180E+00	4.207E+00	4.754E+00	3.028E+00	4.765E+00	2.352E+00	6.898E+00	7.266E+00	5.709E+00	9.673E-01	1.638E+00	5.291E+00
192	9.825E-01	7.419E-01	1.036E+00	1.134E+00	9.131E-01	1.447E+00	5.677E-01	1.539E+00	2.452E+00	1.607E+00	2.228E-01	3.295E-01	1.248E+00
193	1.361E-01	9.834E-02	1.741E-01	1.121E-01	1.224E-01	1.790E-01	7.774E-02	1.435E-01	2.489E-01	1.533E-01	4.206E-02	7.829E-02	1.680E-01
194	7.934E-02	9.001E-02	6.646E-02	7.689E-02	8.473E-02	5.776E-02	4.623E-02	2.121E-02	1.729E-02	1.484E-02	1.643E-02	4.241E-02	3.262E-02
195	3.311E-02	4.145E-02	2.918E-02	2.685E-02	3.139E-02	2.256E-02	3.151E-02	8.853E-03	9.724E-03	6.524E-03	7.186E-03	3.262E-03	4.341E-02
196	4.390E-01	2.170E-01	3.078E-01	2.452E-01	3.863E-01	3.532E-01	1.803E-01	3.544E-01	3.225E-01	3.053E-01	1.398E-01	1.109E-01	4.231E-01
197	2.759E-01	1.188E-01	1.913E-01	1.987E-01	2.036E-01	2.379E-01	9.638E-02	2.109E-01	2.636E-01	2.146E-01	2.869E-02	3.914E-02	1.139E-01
198	1.093E-01	7.014E-02	8.768E-02	1.019E-01	8.633E-02	1.003E-01	4.047E-02	9.822E-02	1.324E-01	8.964E-02	2.256E-02	1.631E-02	3.801E-02
199	9.822E-02	9.540E-02	4.378E-02	1.839E-01	6.646E-02	2.465E-02	1.545E-02	1.901E-02	3.041E-02	1.361E-02	7.186E-03	1.962E-02	2.710E-02
200	5.359E-02	6.597E-02	4.635E-02	7.039E-02	6.646E-02	2.833E-02	2.502E-02	9.295E-03	1.015E-02	4.157E-03	7.186E-03	1.631E-02	0.000E+00
201	3.630E-02	4.917E-02	3.176E-02	3.433E-02	4.083E-02	2.207E-02	1.484E-02	2.207E-02	1.950E-02	1.655E-02	1.435E-02	1.300E-02	2.710E-02
202	3.679E-03	3.004E-03	1.008E-03	9.270E-03	4.709E-03	1.051E-03	6.426E-04	2.207E-03	8.461E-04	1.778E-03	2.048E-03	6.524E-03	1.631E-02
203	0.000E+00	5.996E-04	1.008E-03	3.703E-03	1.046E-03	1.051E-03	6.426E-04	1.324E-03	8.461E-04	0.000E+00	1.026E-03	0.000E+00	0.000E+00
204	3.679E-03	4.795E-03	2.514E-03	1.204E-02	3.666E-03	3.679E-03	1.288E-03	1.324E-03	1.692E-03	2.379E-03	1.026E-03	0.000E+00	0.000E+00
205	5.248E-04	0.000E+00	2.514E-03	9.270E-04	0.000E+00	1.582E-03	6.426E-04	8.853E-04	1.263E-03	0.000E+00	0.000E+00	3.262E-03	0.000E+00

	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG	EH
206	6.830E-03	9.001E-03	3.017E-03	1.570E-02	5.751E-03	4.206E-03	1.288E-03	1.324E-03	2.538E-03	4.746E-03	0.000E+00	0.000E+00	0.000E+00
207	5.248E-04	1.199E-03	0.000E+00	1.852E-03	0.000E+00	1.051E-03	1.288E-03	0.000E+00	4.231E-04	1.187E-03	0.000E+00	0.000E+00	0.000E+00
208	1.582E-03	5.395E-03	2.011E-03	3.703E-03	2.097E-03	3.151E-03	3.850E-03	3.544E-03	8.461E-04	5.935E-04	0.000E+00	3.262E-03	0.000E+00
209	0.000E+00	0.000E+00	5.040E-04	1.852E-03	0.000E+00	0.000E+00	1.288E-03	0.000E+00	1.263E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
210	0.000E+00	5.996E-04	0.000E+00	0.000E+00	1.570E-03	0.000E+00	0.000E+00	4.427E-04	0.000E+00	1.187E-03	0.000E+00	0.000E+00	0.000E+00
211	0.000E+00	5.996E-04	1.508E-03	0.000E+00	0.000E+00	1.051E-03	0.000E+00	8.853E-04	4.231E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00
212	0.000E+00	1.803E-03	0.000E+00	1.852E-03	5.224E-04	5.248E-04	6.426E-04	0.000E+00	4.231E-04	0.000E+00	0.000E+00	0.000E+00	5.432E-03
213	2.624E-03	2.403E-03	2.011E-03	1.852E-03	5.751E-03	2.624E-03	2.575E-03	4.427E-03	2.955E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
214	3.151E-03	4.194E-03	1.008E-03	1.852E-03	4.181E-03	1.051E-03	6.426E-04	1.766E-03	4.231E-04	1.187E-03	0.000E+00	0.000E+00	1.085E-02
215	1.051E-03	1.803E-03	1.008E-03	0.000E+00	5.224E-04	1.051E-03	6.426E-04	0.000E+00	8.461E-04	5.935E-04	0.000E+00	0.000E+00	0.000E+00
216	5.248E-04	0.000E+00	5.040E-04	9.270E-04	2.612E-03	5.248E-04	6.426E-04	4.427E-04	8.461E-04	5.935E-04	1.026E-03	3.262E-03	0.000E+00
217	0.000E+00	1.803E-03	1.008E-03	1.852E-03	2.612E-03	5.248E-04	1.288E-03	0.000E+00	4.231E-04	1.778E-03	0.000E+00	0.000E+00	0.000E+00
218	3.020E+00	2.377E+00	2.331E+00	1.198E+00	2.580E+00	1.746E+00	1.544E+00	1.127E+00	1.738E+00	6.585E-01	4.816E-01	1.288E+00	2.024E+00
219	3.887E-02	2.943E-02	3.985E-02	9.270E-03	2.661E-02	2.048E-02	1.803E-02	1.106E-02	9.307E-03	1.300E-02	4.108E-03	3.262E-03	3.262E-02
220	1.759E+00	2.054E+00	1.840E+00	1.761E+00	2.131E+00	2.009E+00	2.040E+00	1.613E+00	2.233E+00	1.533E+00	1.722E+00	1.267E+00	9.582E-01
221	6.223E+01	6.281E+01	5.432E+01	1.030E+02	6.659E+01	6.377E+01	8.020E+01	4.832E+01	5.834E+01	5.626E+01	4.300E+01	9.256E+01	3.645E+01
222	5.582E+01	3.805E+01	6.251E+01	2.134E+01	5.362E+01	5.345E+01	6.824E+01	3.789E+01	3.488E+01	3.406E+01	2.840E+01	9.111E+01	2.251E+01
223	3.126E+01	3.006E+01	2.748E+01	1.958E+01	3.219E+01	2.769E+01	4.287E+01	1.766E+01	1.951E+01	1.711E+01	1.983E+01	4.503E+01	1.252E+01
224	2.484E+01	2.157E+01	2.178E+01	2.647E+01	2.766E+01	2.331E+01	2.686E+01	1.771E+01	1.802E+01	1.914E+01	1.359E+01	3.088E+01	1.201E+01
225	1.723E+01	2.636E+01	1.716E+01	1.655E+01	1.708E+01	2.174E+01	3.000E+01	1.698E+01	1.964E+01	2.653E+01	1.356E+01	3.015E+01	1.612E+01
226	1.029E+01	9.839E+00	9.997E+00	6.307E+00	1.914E+01	1.749E+01	1.784E+01	6.248E+00	6.178E+00	1.026E+01	8.423E+00	1.604E+01	5.026E+00
227	3.497E+00	2.645E+00	3.406E+00	2.454E+00	5.574E+00	5.398E+00	4.985E+00	2.209E+00	2.471E+00	3.351E+00	2.778E+00	3.801E+00	1.800E+00
228	5.893E-01	3.413E-01	3.954E-01	3.262E-01	3.711E-01	2.255E-01	1.731E-01	2.762E-01	2.053E-01	2.473E-01	4.745E-01	3.620E-01	3.469E-01
229	6.215E-01	3.450E-01	4.638E-01	3.480E-01	3.779E-01	2.564E-01	1.860E-01	3.081E-01	2.006E-01	2.661E-01	4.745E-01	3.982E-01	4.156E-01
230	2.733E+01	3.203E+01	2.935E+01	2.444E+01	3.142E+01	3.389E+01	4.121E+01	3.042E+01	1.479E+01	2.339E+01	3.160E+01	3.942E+01	3.093E+01
231	5.083E+00	4.141E+00	4.274E+00	3.748E+00	4.268E+00	4.732E+00	4.640E+00	4.729E+00	2.579E+00	3.539E+00	5.249E+00	3.222E+00	4.334E+00
232	1.933E+00	2.119E+00	1.623E+00	1.409E+00	1.511E+00	1.553E+00	1.715E+00	1.820E+00	6.410E-01	1.352E+00	1.585E+00	1.267E+00	1.242E+00
233	5.705E+00	6.428E+00	5.067E+00	4.164E+00	5.317E+00	4.462E+00	5.367E+00	6.430E+00	4.545E+00	5.937E+00	4.268E+00	4.452E+00	5.153E+00
234	1.552E+01	1.990E+01	1.359E+01	1.467E+01	1.575E+01	1.733E+01	1.509E+01	1.529E+01	2.197E+01	1.606E+01	2.000E+01	1.057E+01	1.684E+01
235	8.787E+00	1.386E+01	7.849E+00	1.308E+01	9.236E+00	1.104E+01	8.200E+00	1.009E+01	8.784E+00	8.484E+00	1.156E+01	7.891E+00	9.519E+00
236	9.024E-01	6.990E-01	6.303E-01	4.736E-01	1.097E+00	9.119E-01	7.007E-01	6.458E-01	2.145E-01	6.066E-01	4.731E-01	3.258E-01	2.062E-01
237	5.885E+00	3.231E+00	6.803E+00	2.844E+00	5.255E+00	3.937E+00	4.429E+00	7.235E+00	2.362E+00	4.081E+00	4.133E+00	3.366E+00	4.379E+00
238	7.190E+00	7.247E+00	6.742E+00	6.483E+00	6.101E+00	5.421E+00	6.696E+00	7.061E+00	3.258E+00	4.245E+00	6.987E+00	4.959E+00	4.865E+00
239	1.645E+00	1.776E+00	1.460E+00	1.325E+00	1.194E+00	1.158E+00	1.157E+00	1.430E+00	6.334E-01	9.630E-01	1.334E+00	1.050E+00	7.315E-01
240	1.311E+01	1.281E+01	9.229E+00	1.273E+01	1.108E+01	5.339E+00	3.450E+00	9.701E+00	1.039E+01	7.346E+00	8.549E+00	5.068E+00	7.187E+00
241	2.471E+02	2.120E+02	2.568E+02	2.485E+02	2.140E+02	2.262E+02	2.023E+02	2.552E+02	2.716E+02	2.419E+02	2.643E+02	2.333E+02	3.144E+02
242	1.535E+02	1.749E+02	1.365E+02	1.848E+02	1.507E+02	1.496E+02	1.404E+02	1.433E+02	1.919E+02	1.442E+02	1.939E+02	1.294E+02	1.753E+02
243	1.358E+01	1.619E+01	1.185E+01	1.604E+01	1.366E+01	1.330E+01	1.170E+01	1.290E+01	1.746E+01	1.269E+01	1.689E+01	1.057E+01	1.470E+01
244	1.115E+01	1.298E+01	1.140E+01	1.572E+01	9.512E+00	1.332E+01	1.513E+01	1.242E+01	7.729E+00	1.354E+01	1.066E+01	7.493E+00	1.048E+01
245	5.975E+00	5.219E+00	6.600E+00	5.480E+00	5.744E+00	5.800E+00	6.320E+00	6.301E+00	3.186E+00	5.067E+00	4.695E+00	3.149E+00	4.781E+00
246	8.893E+00	6.555E+00	1.023E+01	5.547E+00	6.296E+00	5.303E+00	4.879E+00	8.304E+00	3.926E+00	5.621E+00	5.975E+00	4.452E+00	5.560E+00

	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG	EH
247	5.732E+00	5.477E+00	6.207E+00	4.978E+00	4.394E+00	3.891E+00	3.561E+00	4.956E+00	2.798E+00	3.583E+00	4.112E+00	3.330E+00	3.630E+00
248	7.840E+01	1.092E+02	7.566E+01	1.159E+02	6.310E+01	8.556E+01	8.203E+01	1.015E+02	1.349E+02	1.470E+02	9.220E+01	7.620E+01	1.324E+02
249	7.080E+01	7.035E+01	7.782E+01	7.605E+01	7.054E+01	7.097E+01	5.560E+01	6.872E+01	1.159E+02	8.913E+01	7.244E+01	5.687E+01	8.726E+01
250	1.515E+02	1.067E+02	1.505E+02	1.041E+02	1.274E+02	1.234E+02	9.756E+01	1.459E+02	1.477E+02	1.262E+02	1.288E+02	1.261E+02	1.636E+02
251	5.542E+01	4.496E+01	4.862E+01	4.378E+01	5.333E+01	4.060E+01	3.503E+01	4.232E+01	4.794E+01	3.991E+01	4.446E+01	3.700E+01	4.403E+01
252	3.926E+00	3.407E+00	3.203E+00	3.313E+00	3.927E+00	3.058E+00	2.304E+00	2.715E+00	3.009E+00	2.878E+00	2.465E+00	1.738E+00	2.102E+00
253	5.596E+00	4.827E+00	4.646E+00	6.235E+00	6.325E+00	7.466E+00	5.348E+00	4.336E+00	2.224E+00	4.734E+00	5.038E+00	3.294E+00	3.563E+00
254	1.186E+01	1.184E+01	1.086E+01	1.470E+01	1.001E+01	1.295E+01	1.454E+01	1.253E+01	6.204E+00	1.098E+01	1.144E+01	7.276E+00	9.357E+00
255	1.043E+01	1.204E+01	1.114E+01	1.361E+01	7.887E+00	9.848E+00	1.219E+01	1.070E+01	6.055E+00	1.030E+01	7.978E+00	8.326E+00	8.117E+00
256	3.346E+00	4.138E+00	3.494E+00	5.334E+00	3.042E+00	2.843E+00	2.924E+00	2.963E+00	1.879E+00	2.817E+00	2.696E+00	2.281E+00	2.383E+00
257	5.029E+00	5.563E+00	5.314E+00	4.499E+00	5.680E+00	3.816E+00	4.972E+00	4.897E+00	2.224E+00	3.353E+00	4.117E+00	3.656E+00	3.567E+00
258	3.466E+01	3.162E+01	3.032E+01	3.925E+01	4.066E+01	4.361E+01	2.656E+01	3.215E+01	3.835E+01	4.808E+01	3.883E+01	2.241E+01	3.598E+01
259	4.711E+01	6.729E+01	4.404E+01	6.937E+01	4.492E+01	5.598E+01	4.406E+01	6.115E+01	7.857E+01	9.200E+01	4.620E+01	3.790E+01	6.773E+01
260	2.961E+01	4.364E+01	2.786E+01	4.460E+01	4.124E+01	4.071E+01	3.483E+01	3.355E+01	5.336E+01	4.803E+01	2.788E+01	2.519E+01	3.520E+01
261	2.601E+01	3.015E+01	2.569E+01	3.036E+01	3.379E+01	2.930E+01	3.872E+01	2.834E+01	1.684E+01	2.271E+01	2.360E+01	2.519E+01	2.366E+01
262	9.566E+00	1.047E+01	1.111E+01	1.090E+01	1.237E+01	9.511E+00	1.119E+01	7.790E+00	5.595E+00	7.753E+00	7.540E+00	8.362E+00	7.664E+00
263	4.967E+00	4.016E+00	4.882E+00	4.955E+00	4.436E+00	5.030E+00	4.291E+00	4.088E+00	1.951E+00	4.009E+00	4.244E+00	2.498E+00	2.842E+00
264	3.948E+00	3.686E+00	3.640E+00	5.828E+00	3.222E+00	2.987E+00	3.295E+00	3.126E+00	1.528E+00	2.762E+00	3.341E+00	1.810E+00	2.100E+00
265	2.537E+00	3.148E+00	2.445E+00	4.590E+00	2.174E+00	1.762E+00	2.444E+00	2.195E+00	1.125E+00	1.882E+00	2.386E+00	1.701E+00	1.458E+00
266	1.554E+00	2.274E+00	1.091E+00	3.014E+00	1.548E+00	7.356E-01	1.028E+00	9.522E-01	4.428E-01	6.932E-01	1.889E+00	1.629E+00	8.225E-01
267	1.578E+00	2.149E+00	1.597E+00	2.434E+00	1.563E+00	1.036E+00	1.067E+00	1.352E+00	4.872E-01	8.862E-01	3.225E+00	3.873E+00	1.212E+00
268	1.895E+01	1.878E+01	1.618E+01	2.149E+01	2.999E+01	2.576E+01	1.458E+01	1.671E+01	2.022E+01	2.510E+01	2.404E+01	9.556E+00	1.273E+01
269	9.672E+00	9.618E+00	7.667E+00	1.698E+01	1.424E+01	1.136E+01	5.848E+00	7.493E+00	1.114E+01	1.125E+01	1.014E+01	4.887E+00	6.445E+00
270	3.362E+00	3.847E+00	2.688E+00	7.515E+00	4.237E+00	2.805E+00	1.871E+00	2.423E+00	4.854E+00	3.270E+00	3.018E+00	1.738E+00	2.363E+00
271	9.073E+00	1.404E+01	1.066E+01	7.810E+00	1.347E+01	1.166E+01	1.434E+01	1.127E+01	7.293E+00	1.037E+01	1.213E+01	1.730E+01	1.083E+01
272	6.470E+01	7.490E+01	6.972E+01	5.786E+01	7.680E+01	8.703E+01	1.001E+02	7.512E+01	3.602E+01	5.909E+01	9.778E+01	1.233E+02	7.727E+01
273	7.863E+01	8.940E+01	8.019E+01	6.648E+01	8.901E+01	1.007E+02	1.172E+02	8.670E+01	4.126E+01	6.860E+01	8.377E+01	1.113E+02	6.802E+01
274	1.115E+01	1.268E+01	1.163E+01	1.058E+01	1.267E+01	1.452E+01	1.762E+01	1.330E+01	5.801E+00	1.027E+01	1.240E+01	1.433E+01	1.040E+01
275	7.120E-01	9.464E-01	7.187E-01	5.424E-01	8.705E-01	3.933E-01	5.118E-01	6.739E-01	3.963E-01	5.262E-01	3.291E-01	3.982E-01	6.199E-01
276	7.380E+00	1.211E+01	6.502E+00	7.023E+00	7.871E+00	6.347E+00	9.518E+00	8.063E+00	5.466E+00	9.384E+00	6.156E+00	1.017E+01	7.676E+00
277	1.745E+01	2.406E+01	1.618E+01	1.828E+01	1.762E+01	1.991E+01	2.376E+01	2.015E+01	1.187E+01	2.076E+01	1.682E+01	2.281E+01	1.890E+01
278	1.849E+01	2.433E+01	1.630E+01	1.841E+01	1.786E+01	2.030E+01	2.471E+01	2.036E+01	1.164E+01	2.115E+01	1.396E+01	2.060E+01	1.885E+01
279	5.452E+00	7.418E+00	4.499E+00	6.779E+00	5.598E+00	6.992E+00	5.450E+00	5.487E+00	8.558E+00	6.757E+00	7.012E+00	4.090E+00	4.952E+00
280	5.479E+00	6.339E+00	4.698E+00	4.827E+00	5.435E+00	3.396E+00	4.476E+00	5.263E+00	4.024E+00	4.512E+00	4.716E+00	4.054E+00	4.118E+00
281	1.265E+02	1.025E+02	1.330E+02	1.124E+02	1.075E+02	1.118E+02	9.743E+01	1.338E+02	1.419E+02	1.221E+02	1.352E+02	1.306E+02	1.232E+02
282	1.095E+02	8.956E+01	1.149E+02	9.435E+01	9.300E+01	9.577E+01	8.699E+01	1.164E+02	1.235E+02	1.047E+02	1.087E+02	1.058E+02	1.129E+02
283	4.475E+01	5.351E+01	3.803E+01	5.077E+01	4.349E+01	4.130E+01	3.908E+01	3.911E+01	6.009E+01	4.104E+01	5.443E+01	3.964E+01	3.666E+01
284	6.562E+00	5.977E+00	8.711E+00	4.333E+00	5.898E+00	4.813E+00	4.931E+00	6.648E+00	3.280E+00	4.764E+00	5.102E+00	5.140E+00	4.230E+00
285	8.180E+01	6.374E+01	9.280E+01	5.885E+01	7.788E+01	7.084E+01	6.604E+01	8.167E+01	7.713E+01	7.394E+01	7.675E+01	6.947E+01	7.569E+01
286	6.232E+01	4.945E+01	6.963E+01	4.342E+01	6.253E+01	5.686E+01	5.387E+01	6.352E+01	5.652E+01	5.549E+01	5.121E+01	4.898E+01	4.492E+01
287	1.029E+01	8.483E+00	8.737E+00	7.961E+00	9.703E+00	7.031E+00	6.314E+00	7.236E+00	8.656E+00	7.358E+00	7.400E+00	6.552E+00	7.046E+00

	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG	EH
288	4.909E+01	5.989E+01	4.960E+01	5.473E+01	6.364E+01	5.757E+01	7.879E+01	5.612E+01	3.710E+01	4.996E+01	5.516E+01	5.003E+01	4.568E+01
289	4.030E+01	4.615E+01	3.915E+01	4.122E+01	5.194E+01	4.749E+01	6.535E+01	4.677E+01	2.608E+01	3.878E+01	3.975E+01	3.685E+01	3.861E+01
290	1.599E+01	1.847E+01	2.262E+01	1.771E+01	2.463E+01	2.158E+01	2.629E+01	1.839E+01	1.236E+01	1.782E+01	1.620E+01	1.484E+01	1.338E+01
291	1.319E+01	1.510E+01	1.851E+01	1.398E+01	1.954E+01	1.777E+01	2.168E+01	1.499E+01	9.848E+00	1.446E+01	1.501E+01	1.879E+01	1.710E+01
292	2.527E+00	2.395E+00	2.634E+00	2.667E+00	2.505E+00	2.076E+00	2.124E+00	2.003E+00	2.019E+00	2.016E+00	1.720E+00	1.810E+00	1.649E+00
293	1.114E+00	1.773E+00	7.834E-01	2.570E+00	1.147E+00	6.846E-01	6.861E-01	8.254E-01	7.730E-01	8.052E-01	8.139E-01	1.014E+00	5.323E-01
294	3.529E+00	2.775E+00	3.368E+00	5.291E+00	2.603E+00	2.515E+00	2.019E+00	3.374E+00	4.033E+00	3.261E+00	2.518E+00	3.041E+00	2.821E+00
295	3.493E+00	2.842E+00	3.397E+00	5.338E+00	2.549E+00	2.521E+00	1.923E+00	3.440E+00	3.932E+00	3.238E+00	2.624E+00	2.679E+00	2.289E+00
296	2.548E+00	2.380E+00	2.083E+00	4.041E+00	2.018E+00	1.983E+00	1.579E+00	2.258E+00	3.102E+00	2.312E+00	1.954E+00	2.063E+00	1.776E+00
297	3.608E-01	3.350E-01	3.713E-01	1.420E-01	3.942E-01	4.516E-01	3.725E-01	1.317E-01	6.779E-02	1.128E-01	3.835E-01	1.014E+00	3.228E-01
298	6.114E-03	7.873E-03	8.988E-03	3.604E-03	1.013E-02	1.116E-02	1.300E-02	2.917E-03	1.843E-03	4.891E-03	1.615E-02	3.625E-02	1.373E-02
299	7.058E-02	9.224E-02	5.427E-02	4.655E-02	7.873E-02	9.889E-02	8.323E-02	3.239E-02	3.046E-02	3.990E-02	7.487E-02	1.448E-01	1.253E-01
300	8.988E-04	4.033E-03	1.635E-03	2.574E-03	4.012E-03	5.492E-03	4.097E-03	1.298E-03	2.295E-03	2.789E-03	1.176E-02	3.625E-02	5.149E-03
301	4.183E-02	4.655E-02	3.604E-02	2.488E-02	4.934E-02	5.256E-02	5.792E-02	2.188E-02	2.167E-02	2.446E-02	7.787E-02	2.167E-01	6.521E-02
302	8.988E-04	2.295E-03	1.143E-03	1.798E-03	4.183E-03	1.064E-03	4.569E-03	1.622E-03	7.680E-04	1.049E-03	0.000E+00	0.000E+00	1.716E-03
303	1.304E-01	1.291E-01	1.547E-01	7.894E-02	1.714E-01	1.993E-01	1.909E-01	7.573E-02	8.495E-02	8.045E-02	1.793E-01	7.602E-01	2.456E-01
304	5.406E-04	1.536E-03	9.804E-04	2.574E-04	6.993E-04	1.064E-03	1.139E-03	3.239E-04	4.612E-04	3.497E-04	0.000E+00	0.000E+00	0.000E+00
305	1.971E-01	2.213E-01	1.534E-01	1.300E-01	2.521E-01	2.872E-01	3.832E-01	1.276E-01	7.530E-02	8.817E-02	4.202E-01	6.878E-01	3.829E-01
306	5.213E-03	1.594E-02	7.851E-03	1.105E-02	1.066E-02	1.665E-02	1.847E-02	1.070E-02	7.830E-03	8.388E-03	2.360E-02	1.085E-01	2.574E-02
307	4.275E-01	5.701E-01	7.108E-01	3.870E-01	8.595E-01	9.292E-01	1.182E+00	4.685E-01	5.690E-01	5.333E-01	1.462E+00	3.185E+00	1.698E+00
308	7.551E-03	9.804E-03	1.193E-02	1.131E-02	1.118E-02	1.469E-02	1.847E-02	9.568E-03	1.197E-02	1.049E-02	2.939E-02	1.085E-01	2.403E-02
309	1.980E-03	2.682E-03	1.143E-03	2.832E-03	2.274E-03	4.248E-03	3.647E-03	1.948E-03	1.227E-03	1.399E-03	5.878E-03	0.000E+00	3.432E-03
310	8.988E-04	9.611E-04	1.306E-03	1.798E-03	5.234E-04	1.594E-03	1.139E-03	9.739E-04	0.000E+00	1.748E-03	4.398E-03	3.625E-02	8.581E-03
311	0.000E+00	0.000E+00	3.261E-04	0.000E+00	5.234E-04	7.079E-04	6.843E-04	3.239E-04	4.612E-04	3.497E-04	0.000E+00	0.000E+00	0.000E+00
312	1.800E-04	1.920E-04	4.891E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.085E-01	0.000E+00
313	6.007E-02	7.680E-02	4.612E-02	5.771E-02	8.688E-02	1.133E-01	1.673E-01	5.728E-02	2.510E-02	5.041E-02	3.820E-01	9.412E-01	1.493E-01
314	2.875E-03	2.875E-03	2.939E-03	3.604E-03	4.548E-03	5.320E-03	5.020E-03	3.411E-03	1.382E-03	1.225E-03	1.469E-02	7.229E-02	3.432E-03
315	1.296E-02	1.113E-02	1.143E-02	8.216E-03	9.096E-03	1.718E-02	3.518E-02	1.444E-02	3.540E-03	7.873E-03	5.427E-02	3.625E-02	2.403E-02
316	5.406E-04	5.771E-04	1.635E-04	2.574E-04	6.993E-04	8.860E-04	9.117E-04	3.239E-04	4.612E-04	0.000E+00	2.939E-03	0.000E+00	3.432E-03
317	1.098E-02	8.645E-03	8.817E-03	1.002E-02	1.678E-02	1.701E-02	2.553E-02	1.542E-02	4.762E-03	1.137E-02	7.337E-02	7.229E-02	3.432E-02
318	1.800E-04	7.680E-04	1.635E-04	1.540E-03	1.049E-03	7.079E-04	1.596E-03	8.109E-04	1.534E-04	1.748E-04	8.817E-03	0.000E+00	6.865E-03
319	1.360E-01	9.267E-02	1.096E-01	1.085E-01	1.173E-01	1.530E-01	2.268E-01	1.137E-01	5.449E-02	9.353E-02	4.980E-01	7.602E-01	3.074E-01
320	7.208E-04	5.771E-04	4.891E-04	0.000E+00	5.234E-04	3.540E-04	4.569E-04	4.870E-04	0.000E+00	3.497E-04	2.939E-03	0.000E+00	0.000E+00
321	1.055E-01	8.474E-02	5.106E-02	9.889E-02	1.002E-01	1.349E-01	2.708E-01	9.954E-02	2.789E-02	5.685E-02	5.833E-01	7.602E-01	1.787E-01
322	5.406E-03	3.261E-03	2.124E-03	3.861E-03	4.012E-03	5.320E-03	7.980E-03	5.835E-03	1.534E-03	3.325E-03	1.763E-02	3.625E-02	1.373E-02
323	1.358E-01	8.710E-02	1.028E-01	1.367E-01	1.360E-01	1.834E-01	2.863E-01	1.407E-01	5.728E-02	1.118E-01	7.889E-01	1.122E+00	3.194E-01
324	3.239E-03	3.261E-03	1.635E-03	3.861E-03	3.668E-03	5.856E-03	7.980E-03	4.548E-03	1.534E-03	3.153E-03	1.615E-02	3.625E-02	5.149E-03
325	4.848E-03	8.066E-03	4.419E-03	6.672E-03	6.993E-03	8.152E-03	1.163E-02	6.007E-03	3.840E-03	5.771E-03	1.028E-02	3.625E-02	1.716E-02
326	7.208E-04	5.771E-04	4.891E-04	1.540E-03	5.234E-04	7.079E-04	9.117E-04	1.622E-04	1.075E-03	8.752E-04	2.939E-03	0.000E+00	0.000E+00
327	5.578E-03	7.680E-03	7.508E-03	5.384E-03	1.013E-02	1.135E-02	1.504E-02	3.411E-03	1.843E-03	5.063E-03	8.817E-03	0.000E+00	6.865E-03
328	3.604E-04	1.536E-03	1.143E-03	2.574E-04	8.731E-04	8.860E-04	2.051E-03	1.622E-04	4.612E-04	5.256E-04	1.469E-03	0.000E+00	0.000E+00

	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG	EH
329	1.776E-01	2.724E-01	1.532E-01	2.019E-01	2.329E-01	2.204E-01	4.869E-01	1.630E-01	8.581E-02	1.369E-01	9.359E-01	1.376E+00	5.735E-01
330	1.439E-03	3.454E-03	2.295E-03	2.832E-03	2.096E-03	2.660E-03	5.234E-03	2.767E-03	1.075E-03	1.924E-03	1.176E-02	0.000E+00	1.201E-02
331	8.087E-03	2.210E-02	1.079E-02	8.216E-03	1.660E-02	2.019E-02	3.368E-02	1.249E-02	8.602E-03	1.225E-02	5.878E-02	1.811E-01	2.917E-02
332	1.800E-04	1.152E-03	3.261E-04	0.000E+00	6.993E-04	5.320E-04	2.274E-04	1.298E-03	9.203E-04	6.993E-04	0.000E+00	0.000E+00	1.716E-03
333	8.645E-03	1.364E-02	9.310E-03	7.701E-03	1.100E-02	1.630E-02	2.660E-02	8.281E-03	8.452E-03	8.388E-03	4.548E-02	3.625E-02	1.030E-02
334	0.000E+00	1.920E-04	0.000E+00	2.574E-04	1.746E-04	3.540E-04	0.000E+00	4.870E-04	3.068E-04	8.752E-04	1.469E-03	0.000E+00	1.716E-03
335	1.800E-02	2.252E-02	2.042E-02	1.412E-02	3.089E-02	3.668E-02	6.050E-02	1.461E-02	9.825E-03	2.167E-02	1.088E-01	1.448E-01	5.835E-02
336	7.208E-04	9.611E-04	4.891E-04	1.285E-03	1.746E-03	1.240E-03	1.369E-03	2.424E-03	2.617E-03	1.399E-03	8.817E-03	0.000E+00	0.000E+00
337	4.290E-02	5.106E-02	3.046E-02	4.784E-02	4.805E-02	6.243E-02	1.141E-01	3.239E-02	1.028E-02	2.510E-02	1.954E-01	1.811E-01	9.096E-02
338	1.079E-03	3.840E-04	3.261E-04	1.285E-03	8.731E-04	1.418E-03	1.369E-03	6.500E-04	3.068E-04	1.748E-04	1.469E-03	0.000E+00	0.000E+00
339	2.210E-02	2.295E-02	2.446E-02	2.132E-02	2.789E-02	3.111E-02	6.908E-02	1.866E-02	9.675E-03	1.592E-02	8.967E-02	2.167E-01	3.261E-02
340	1.259E-03	1.536E-03	1.143E-03	1.028E-03	1.572E-03	1.594E-03	2.274E-03	1.298E-03	9.203E-04	1.575E-03	1.469E-03	0.000E+00	6.865E-03
341	3.068E-03	2.488E-03	1.635E-03	3.347E-03	3.153E-03	3.540E-03	6.157E-03	1.298E-03	1.534E-03	1.225E-03	5.878E-03	0.000E+00	3.432E-03
342	1.259E-03	9.611E-04	6.543E-04	5.127E-04	1.223E-03	0.000E+00	2.274E-04	9.739E-04	7.680E-04	8.752E-04	0.000E+00	0.000E+00	0.000E+00
343	4.312E-03	2.682E-03	2.446E-03	3.347E-03	2.960E-03	5.149E-03	4.569E-03	2.109E-03	1.688E-03	2.274E-03	7.337E-03	0.000E+00	3.432E-03
344	1.800E-04	1.920E-04	1.635E-04	5.127E-04	0.000E+00	0.000E+00	2.274E-04	3.239E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

	EI
1	14245
2	Benign
3	1
4	-1
5	8.884E-01
6	6.803E-01
7	2.564E-01
8	3.916E-01
9	4.002E-02
10	1.599E-02
11	2.800E-02
12	1.202E-02
13	1.202E-02
14	5.601E-02
15	4.002E-03
16	4.002E-03
17	4.002E-03
18	4.002E-02
19	1.245E-01
20	4.002E-03
21	2.403E-02
22	4.002E-03
23	4.796E-02
24	4.002E-02
25	1.599E-02
26	5.204E-02
27	4.002E-03
28	3.605E-02
29	1.599E-02
30	3.605E-02
31	2.800E-02
32	1.996E-02
33	1.599E-02
34	4.796E-02
35	5.601E-02
36	0.000E+00
37	1.202E-02
38	8.004E-03
39	1.599E-01
40	7.200E-02
41	6.406E-02

	EI
42	0.000E+00
43	6.713E-03
44	1.150E-01
45	8.822E-02
46	1.304E-01
47	3.832E-02
48	2.598E-02
49	4.784E-03
50	1.150E-02
51	1.044E-01
52	1.919E-03
53	4.784E-03
54	5.543E+00
55	4.095E-01
56	2.214E-01
57	3.116E+00
58	5.555E-02
59	2.983E-02
60	1.919E-03
61	1.328E+00
62	1.056E+00
63	6.713E-03
64	1.211E+00
65	6.327E-02
66	3.203E-01
67	1.919E-02
68	1.535E-02
69	2.762E-01
70	1.054E-02
71	2.881E-03
72	3.832E-03
73	4.210E-03
74	1.264E-02
75	8.420E-02
76	1.140E-01
77	1.264E-02
78	0.000E+00
79	0.000E+00
80	4.210E-03
81	0.000E+00
82	4.210E-03

	EI
83	0.000E+00
84	8.420E-03
85	4.210E-03
86	1.264E-02
87	2.099E-02
88	4.210E-03
89	2.099E-02
90	3.363E-02
91	4.210E-03
92	8.420E-03
93	4.210E-03
94	0.000E+00
95	0.000E+00
96	4.210E-03
97	4.210E-03
98	2.099E-02
99	1.692E-01
100	3.200E-02
101	1.741E-01
102	8.412E-01
103	2.244E-01
104	3.200E-01
105	9.552E-01
106	1.876E-01
107	1.925E-01
108	2.146E-01
109	4.574E-03
110	0.000E+00
111	4.574E-03
112	4.574E-03
113	0.000E+00
114	0.000E+00
115	4.574E-03
116	0.000E+00
117	0.000E+00
118	0.000E+00
119	4.574E-03
120	0.000E+00
121	4.292E-01
122	2.858E-01
123	3.606E+00

	EI
124	1.719E-01
125	2.858E-01
126	8.299E-01
127	3.375E+00
128	3.090E+00
129	1.434E-01
130	3.773E+01
131	2.599E+01
132	1.149E-01
133	5.726E-02
134	5.726E-02
135	5.726E-02
136	0.000E+00
137	2.289E-01
138	1.434E-01
139	4.577E-01
140	5.726E-02
141	3.152E-01
142	0.000E+00
143	0.000E+00
144	8.584E-02
145	5.726E-02
146	3.722E-01
147	2.004E-01
148	8.299E-01
149	2.289E-01
150	2.289E-01
151	5.726E-02
152	8.584E-02
153	5.726E-02
154	0.000E+00
155	2.858E-02
156	3.722E-01
157	1.719E-01
158	4.862E-01
159	2.289E-01
160	5.726E-02
161	0.000E+00
162	2.858E-02
163	2.858E-02
164	0.000E+00

	EI
165	2.858E-02
166	8.584E-02
167	4.292E-01
168	2.004E-01
169	8.584E-02
170	2.858E-02
171	5.726E-02
172	1.064E-01
173	4.577E+00
174	6.090E+00
175	2.003E+00
176	4.801E+00
177	2.866E+00
178	4.181E-01
179	4.733E-02
180	4.341E-02
181	1.582E-02
182	1.422E-01
183	1.596E+00
184	1.340E+00
185	8.363E-01
186	1.770E+00
187	5.322E-01
188	5.910E-02
189	2.367E-02
190	1.223E-01
191	2.184E+00
192	4.733E-01
193	9.859E-02
194	8.670E-02
195	4.341E-02
196	1.337E-01
197	5.518E-02
198	2.367E-02
199	2.759E-02
200	4.733E-02
201	5.126E-02
202	0.000E+00
203	0.000E+00
204	0.000E+00
205	0.000E+00

	EI
206	3.936E-03
207	0.000E+00
208	0.000E+00
209	0.000E+00
210	0.000E+00
211	0.000E+00
212	0.000E+00
213	0.000E+00
214	0.000E+00
215	3.936E-03
216	0.000E+00
217	0.000E+00
218	2.700E+00
219	3.936E-03
220	1.432E+00
221	6.488E+01
222	6.460E+01
223	2.977E+01
224	2.632E+01
225	2.571E+01
226	1.015E+01
227	3.596E+00
228	3.086E-01
229	3.894E-01
230	3.674E+01
231	4.012E+00
232	1.453E+00
233	5.905E+00
234	1.429E+01
235	7.213E+00
236	5.732E-01
237	4.894E+00
238	5.176E+00
239	9.996E-01
240	7.489E+00
241	2.487E+02
242	1.317E+02
243	1.131E+01
244	1.454E+01
245	5.608E+00
246	5.881E+00

	EI
247	3.630E+00
248	8.866E+01
249	6.523E+01
250	1.388E+02
251	4.150E+01
252	2.366E+00
253	4.204E+00
254	1.151E+01
255	9.636E+00
256	2.778E+00
257	4.572E+00
258	2.513E+01
259	4.736E+01
260	2.991E+01
261	2.870E+01
262	9.846E+00
263	3.201E+00
264	2.409E+00
265	1.795E+00
266	9.466E-01
267	1.114E+00
268	1.027E+01
269	5.590E+00
270	2.103E+00
271	1.516E+01
272	9.989E+01
273	1.057E+02
274	1.417E+01
275	6.940E-01
276	1.132E+01
277	2.280E+01
278	2.126E+01
279	4.340E+00
280	5.313E+00
281	1.083E+02
282	1.107E+02
283	3.565E+01
284	5.581E+00
285	7.249E+01
286	6.256E+01
287	6.911E+00

	EI
288	5.847E+01
289	4.031E+01
290	1.780E+01
291	2.022E+01
292	2.174E+00
293	8.518E-01
294	2.974E+00
295	2.959E+00
296	1.521E+00
297	5.742E-01
298	1.598E-02
299	1.607E-01
300	6.993E-03
301	1.008E-01
302	6.993E-03
303	2.377E-01
304	9.975E-04
305	4.284E-01
306	1.798E-02
307	1.235E+00
308	1.798E-02
309	0.000E+00
310	9.975E-03
311	9.975E-04
312	0.000E+00
313	1.757E-01
314	3.003E-03
315	3.690E-02
316	3.003E-03
317	3.797E-02
318	9.975E-04
319	2.536E-01
320	0.000E+00
321	2.087E-01
322	4.998E-03
323	2.726E-01
324	7.980E-03
325	1.199E-02
326	9.975E-04
327	5.985E-03
328	0.000E+00

	EI
329	6.151E-01
330	4.998E-03
331	2.098E-02
332	0.000E+00
333	1.298E-02
334	0.000E+00
335	4.998E-02
336	1.997E-03
337	9.096E-02
338	1.997E-03
339	4.483E-02
340	3.003E-03
341	0.000E+00
342	1.997E-03
343	3.990E-03
344	0.000E+00

Appendix E1

Cumulative Performance of Model versus Number of Principal Components Selected (Normal vs Diseased; 340 Lipids)

No.	Sensitivity	Specificity	PPV	NPV	Accuracy	TN	FN	FP	TP
1	100	0	71.73913	NaN	71.73913	0	39	0	99
2	100	0	71.73913	NaN	71.73913	0	39	0	99
3	100	2.564103	72.262774	100	72.463768	1	38	0	99
4	100	12.820513	74.43609	100	75.362319	5	34	0	99
5	96.969697	43.589744	81.355932	85	81.884058	17	22	3	96
6	96.969697	53.846154	84.210526	87.5	84.782609	21	18	3	96
7	95.959596	56.410256	84.821429	84.615385	84.782609	22	17	4	95
8	96.969697	53.846154	84.210526	87.5	84.782609	21	18	3	96
9	96.969697	51.282051	83.478261	86.956522	84.057971	20	19	3	96
10	**97.979798**	**51.282051**	**83.62069**	**90.909091**	**84.782609**	**20**	**19**	**2**	**97**
11	94.949495	61.538462	86.238532	82.758621	85.507246	24	15	5	94
12	95.959596	61.538462	86.363636	85.714286	86.231884	24	15	4	95
13	97.979798	58.974359	85.840708	92	86.956522	23	16	2	97
14	94.949495	58.974359	85.454545	82.142857	84.782609	23	16	5	94
15	94.949495	58.974359	85.454545	82.142857	84.782609	23	16	5	94
16	98.989899	61.538462	86.725664	96	88.405797	24	15	1	98
17	96.969697	66.666667	88.073394	89.655172	88.405797	26	13	3	96
18	97.979798	66.666667	88.181818	92.857143	89.130435	26	13	2	97
19	97.979798	66.666667	88.181818	92.857143	89.130435	26	13	2	97
20	96.969697	71.794872	89.719626	90.322581	89.855072	28	11	3	96
21	96.969697	71.794872	89.719626	90.322581	89.855072	28	11	3	96
22	96.969697	76.923077	91.428571	90.909091	91.304348	30	9	3	96
23	96.969697	76.923077	91.428571	90.909091	91.304348	30	9	3	96
24	98.989899	79.487179	92.45283	96.875	93.478261	31	8	1	98
25	98.989899	79.487179	92.45283	96.875	93.478261	31	8	1	98
26	98.989899	79.487179	92.45283	96.875	93.478261	31	8	1	98
27	98.989899	79.487179	92.45283	96.875	93.478261	31	8	1	98
28	98.989899	79.487179	92.45283	96.875	93.478261	31	8	1	98
29	98.989899	79.487179	92.45283	96.875	93.478261	31	8	1	98
30	98.989899	79.487179	92.45283	96.875	93.478261	31	8	1	98
31	98.989899	79.487179	92.45283	96.875	93.478261	31	8	1	98
32	98.989899	76.923077	91.588785	96.774194	92.753623	30	9	1	98
33	98.989899	74.358974	90.740741	96.666667	92.028986	29	10	1	98
34	98.989899	79.487179	92.45283	96.875	93.478261	31	8	1	98
35	98.989899	79.487179	92.45283	96.875	93.478261	31	8	1	98
36	98.989899	79.487179	92.45283	96.875	93.478261	31	8	1	98
37	98.989899	82.051282	93.333333	96.969697	94.202899	32	7	1	98
38	98.989899	79.487179	92.45283	96.875	93.478261	31	8	1	98
39	98.989899	82.051282	93.333333	96.969697	94.202899	32	7	1	98
40	98.989899	79.487179	92.45283	96.875	93.478261	31	8	1	98
41	98.989899	82.051282	93.333333	96.969697	94.202899	32	7	1	98
42	98.989899	82.051282	93.333333	96.969697	94.202899	32	7	1	98
43	98.989899	87.179487	95.145631	97.142857	95.652174	34	5	1	98
44	98.989899	87.179487	95.145631	97.142857	95.652174	34	5	1	98
45	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
46	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
47	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
48	98.989899	84.615385	94.230769	97.058824	94.927536	33	6	1	98
49	98.989899	84.615385	94.230769	97.058824	94.927536	33	6	1	98
50	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98

51	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
52	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
53	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
54	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
55	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
56	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
57	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
58	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
59	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
60	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
61	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
62	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
63	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
64	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
65	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
66	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
67	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
68	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
69	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
70	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
71	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
72	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
73	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
74	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
75	98.989899	92.307692	97.029703	97.297297	97.101449	36	3	1	98
76	98.989899	92.307692	97.029703	97.297297	97.101449	36	3	1	98
77	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
78	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
79	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
80	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
81	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
82	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
83	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
84	98.989899	89.74359	96.078431	97.222222	96.376812	35	4	1	98
85	*98.989899*	*92.307692*	*97.029703*	*97.297297*	*97.101449*	*36*	*3*	*1*	*98*
86	98.989899	92.307692	97.029703	97.297297	97.101449	36	3	1	98
87	98.989899	92.307692	97.029703	97.297297	97.101449	36	3	1	98
88	98.989899	92.307692	97.029703	97.297297	97.101449	36	3	1	98
89	98.989899	92.307692	97.029703	97.297297	97.101449	36	3	1	98
90	98.989899	92.307692	97.029703	97.297297	97.101449	36	3	1	98
91	98.989899	92.307692	97.029703	97.297297	97.101449	36	3	1	98
92	98.989899	92.307692	97.029703	97.297297	97.101449	36	3	1	98
93	98.989899	92.307692	97.029703	97.297297	97.101449	36	3	1	98
94	98.989899	92.307692	97.029703	97.297297	97.101449	36	3	1	98
95	98.989899	92.307692	97.029703	97.297297	97.101449	36	3	1	98
96	98.989899	92.307692	97.029703	97.297297	97.101449	36	3	1	98
97	98.989899	92.307692	97.029703	97.297297	97.101449	36	3	1	98
98	98.989899	92.307692	97.029703	97.297297	97.101449	36	3	1	98
99	98.989899	92.307692	97.029703	97.297297	97.101449	36	3	1	98
100	98.989899	92.307692	97.029703	97.297297	97.101449	36	3	1	98

Appendix E2

Cumulative Performance of Model versus Number of Principal Components Selected (Benign vs Malignant; 340 Lipids)

No	Sensitivity	Specificity	PPV	NPV	Accuracy	TN	FN	FP	TP
1	79.661017	65	77.04918	68.421053	73.737374	26	14	12	47
2	84.745763	67.5	79.365079	75	77.777778	27	13	9	50
3	84.745763	67.5	79.365079	75	77.777778	27	13	9	50
4	88.135593	70	81.25	80	80.808081	28	12	7	52
5	88.135593	70	81.25	80	80.808081	28	12	7	52
6	86.440678	67.5	79.6875	77.142857	78.787879	27	13	8	51
7	88.135593	67.5	80	79.411765	79.79798	27	13	7	52
8	88.135593	67.5	80	79.411765	79.79798	27	13	7	52
9	88.135593	70	81.25	80	80.808081	28	12	7	52
10	89.830508	72.5	82.8125	82.857143	82.828283	29	11	6	53
11	91.525424	72.5	83.076923	85.294118	83.838384	29	11	5	54
12	94.915254	72.5	83.58209	90.625	85.858586	29	11	3	56
13	96.610169	75	85.074627	93.75	87.878788	30	10	2	57
14	96.610169	72.5	83.823529	93.548387	86.868687	29	11	2	57
15	94.915254	75	84.848485	90.909091	86.868687	30	10	3	56
16	94.915254	75	84.848485	90.909091	86.868687	30	10	3	56
17	94.915254	75	84.848485	90.909091	86.868687	30	10	3	56
18	94.915254	77.5	86.153846	91.176471	87.878788	31	9	3	56
19	94.915254	77.5	86.153846	91.176471	87.878788	31	9	3	56
20	94.915254	77.5	86.153846	91.176471	87.878788	31	9	3	56
21	94.915254	77.5	86.153846	91.176471	87.878788	31	9	3	56
22	94.915254	77.5	86.153846	91.176471	87.878788	31	9	3	56
23	94.915254	75	84.848485	90.909091	86.868687	30	10	3	56
24	94.915254	75	84.848485	90.909091	86.868687	30	10	3	56
25	94.915254	75	84.848485	90.909091	86.868687	30	10	3	56
26	94.915254	75	84.848485	90.909091	86.868687	30	10	3	56
27	94.915254	77.5	86.153846	91.176471	87.878788	31	9	3	56
28	94.915254	75	84.848485	90.909091	86.868687	30	10	3	56
29	**94.915254**	**77.5**	**86.153846**	**91.176471**	**87.878788**	**31**	**9**	**3**	**56**
30	94.915254	77.5	86.153846	91.176471	87.878788	31	9	3	56
31	94.915254	77.5	86.153846	91.176471	87.878788	31	9	3	56
32	94.915254	77.5	86.153846	91.176471	87.878788	31	9	3	56
33	94.915254	77.5	86.153846	91.176471	87.878788	31	9	3	56
34	94.915254	77.5	86.153846	91.176471	87.878788	31	9	3	56
35	94.915254	77.5	86.153846	91.176471	87.878788	31	9	3	56
36	94.915254	80	87.5	91.428571	88.888889	32	8	3	56
37	94.915254	77.5	86.153846	91.176471	87.878788	31	9	3	56
38	94.915254	77.5	86.153846	91.176471	87.878788	31	9	3	56
39	94.915254	80	87.5	91.428571	88.888889	32	8	3	56
40	94.915254	77.5	86.153846	91.176471	87.878788	31	9	3	56
41	94.915254	80	87.5	91.428571	88.888889	32	8	3	56
42	94.915254	80	87.5	91.428571	88.888889	32	8	3	56
43	94.915254	80	87.5	91.428571	88.888889	32	8	3	56
44	94.915254	80	87.5	91.428571	88.888889	32	8	3	56
45	94.915254	80	87.5	91.428571	88.888889	32	8	3	56
46	94.915254	80	87.5	91.428571	88.888889	32	8	3	56
47	94.915254	80	87.5	91.428571	88.888889	32	8	3	56
48	94.915254	80	87.5	91.428571	88.888889	32	8	3	56
49	94.915254	80	87.5	91.428571	88.888889	32	8	3	56
50	94.915254	80	87.5	91.428571	88.888889	32	8	3	56

51	94.915254	80	87.5	91.428571	88.888889	32	8	3	56
52	94.915254	80	87.5	91.428571	88.888889	32	8	3	56
53	94.915254	80	87.5	91.428571	88.888889	32	8	3	56
54	94.915254	80	87.5	91.428571	88.888889	32	8	3	56
55	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
56	94.915254	80	87.5	91.428571	88.888889	32	8	3	56
57	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
58	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
59	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
60	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
61	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
62	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
63	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
64	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
65	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
66	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
67	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
68	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
69	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
70	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
71	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
72	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
73	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
74	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
75	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
76	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
77	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
78	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
79	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
80	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
81	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
82	94.915254	80	87.5	91.428571	88.888889	32	8	3	56
83	94.915254	80	87.5	91.428571	88.888889	32	8	3	56
84	94.915254	80	87.5	91.428571	88.888889	32	8	3	56
85	94.915254	80	87.5	91.428571	88.888889	32	8	3	56
86	94.915254	80	87.5	91.428571	88.888889	32	8	3	56
87	*94.915254*	*82.5*	*88.888889*	*91.666667*	*89.89899*	*33*	*7*	*3*	*56*
88	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
89	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
90	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
91	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
92	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
93	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
94	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
95	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
96	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
97	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
98	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
99	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56
100	94.915254	82.5	88.888889	91.666667	89.89899	33	7	3	56

Appendix E3

Cumulative Performance of Model versus Number of Principal Components Selected (Early vs Late; 340 Lipids)

No	Sensitivity	Specificity	PPV	NPV	Accuracy	TN	FN	FP	TP
1	100	0	62.711864	NaN	62.711864	0	22	0	37
2	100	0	62.711864	NaN	62.711864	0	22	0	37
3	100	0	62.711864	NaN	62.711864	0	22	0	37
4	86.486486	22.727273	65.306122	50	62.711864	5	17	5	32
5	91.891892	40.909091	72.340426	75	72.881356	9	13	3	34
6	91.891892	27.272727	68	66.666667	67.79661	6	16	3	34
7	86.486486	59.090909	78.04878	72.222222	76.271186	13	9	5	32
8	89.189189	63.636364	80.487805	77.777778	79.661017	14	8	4	33
9	**91.891892**	**68.181818**	**82.926829**	**83.333333**	**83.050847**	**15**	**7**	**3**	**34**
10	100	68.181818	84.090909	100	88.135593	15	7	0	37
11	100	68.181818	84.090909	100	88.135593	15	7	0	37
12	100	63.636364	82.222222	100	86.440678	14	8	0	37
13	100	63.636364	82.222222	100	86.440678	14	8	0	37
14	100	63.636364	82.222222	100	86.440678	14	8	0	37
15	100	63.636364	82.222222	100	86.440678	14	8	0	37
16	100	59.090909	80.434783	100	84.745763	13	9	0	37
17	97.297297	63.636364	81.818182	93.333333	84.745763	14	8	1	36
18	100	59.090909	80.434783	100	84.745763	13	9	0	37
19	100	59.090909	80.434783	100	84.745763	13	9	0	37
20	100	72.727273	86.046512	100	89.830508	16	6	0	37
21	100	72.727273	86.046512	100	89.830508	16	6	0	37
22	100	72.727273	86.046512	100	89.830508	16	6	0	37
23	100	68.181818	84.090909	100	88.135593	15	7	0	37
24	100	72.727273	86.046512	100	89.830508	16	6	0	37
25	100	72.727273	86.046512	100	89.830508	16	6	0	37
26	100	72.727273	86.046512	100	89.830508	16	6	0	37
27	100	63.636364	82.222222	100	86.440678	14	8	0	37
28	100	63.636364	82.222222	100	86.440678	14	8	0	37
29	100	63.636364	82.222222	100	86.440678	14	8	0	37
30	100	63.636364	82.222222	100	86.440678	14	8	0	37
31	100	68.181818	84.090909	100	88.135593	15	7	0	37
32	100	68.181818	84.090909	100	88.135593	15	7	0	37
33	100	68.181818	84.090909	100	88.135593	15	7	0	37
34	100	68.181818	84.090909	100	88.135593	15	7	0	37
35	100	68.181818	84.090909	100	88.135593	15	7	0	37
36	100	68.181818	84.090909	100	88.135593	15	7	0	37
37	100	63.636364	82.222222	100	86.440678	14	8	0	37
38	100	63.636364	82.222222	100	86.440678	14	8	0	37
39	100	63.636364	82.222222	100	86.440678	14	8	0	37
40	100	63.636364	82.222222	100	86.440678	14	8	0	37
41	100	63.636364	82.222222	100	86.440678	14	8	0	37
42	100	63.636364	82.222222	100	86.440678	14	8	0	37
43	100	68.181818	84.090909	100	88.135593	15	7	0	37
44	*100*	*72.727273*	*86.046512*	*100*	*89.830508*	*16*	*6*	*0*	*37*
45	100	72.727273	86.046512	100	89.830508	16	6	0	37
46	100	72.727273	86.046512	100	89.830508	16	6	0	37
47	100	72.727273	86.046512	100	89.830508	16	6	0	37
48	100	72.727273	86.046512	100	89.830508	16	6	0	37

49	100	72.727273	86.046512	100	89.830508	16	6	0	37
50	100	72.727273	86.046512	100	89.830508	16	6	0	37
51	100	72.727273	86.046512	100	89.830508	16	6	0	37
52	100	72.727273	86.046512	100	89.830508	16	6	0	37
53	100	72.727273	86.046512	100	89.830508	16	6	0	37
54	100	72.727273	86.046512	100	89.830508	16	6	0	37
55	100	72.727273	86.046512	100	89.830508	16	6	0	37
56	100	72.727273	86.046512	100	89.830508	16	6	0	37
57	100	72.727273	86.046512	100	89.830508	16	6	0	37
58	100	72.727273	86.046512	100	89.830508	16	6	0	37
59	100	72.727273	86.046512	100	89.830508	16	6	0	37
60	100	72.727273	86.046512	100	89.830508	16	6	0	37
61	100	72.727273	86.046512	100	89.830508	16	6	0	37
62	100	72.727273	86.046512	100	89.830508	16	6	0	37
63	100	72.727273	86.046512	100	89.830508	16	6	0	37
64	100	72.727273	86.046512	100	89.830508	16	6	0	37
65	100	72.727273	86.046512	100	89.830508	16	6	0	37
66	100	72.727273	86.046512	100	89.830508	16	6	0	37
67	100	72.727273	86.046512	100	89.830508	16	6	0	37
68	100	72.727273	86.046512	100	89.830508	16	6	0	37
69	100	72.727273	86.046512	100	89.830508	16	6	0	37
70	100	72.727273	86.046512	100	89.830508	16	6	0	37
71	100	72.727273	86.046512	100	89.830508	16	6	0	37
72	100	72.727273	86.046512	100	89.830508	16	6	0	37
73	100	72.727273	86.046512	100	89.830508	16	6	0	37
74	100	72.727273	86.046512	100	89.830508	16	6	0	37
75	100	72.727273	86.046512	100	89.830508	16	6	0	37
76	100	72.727273	86.046512	100	89.830508	16	6	0	37
77	100	72.727273	86.046512	100	89.830508	16	6	0	37
78	100	72.727273	86.046512	100	89.830508	16	6	0	37
79	100	72.727273	86.046512	100	89.830508	16	6	0	37
80	100	72.727273	86.046512	100	89.830508	16	6	0	37
81	100	72.727273	86.046512	100	89.830508	16	6	0	37
82	100	72.727273	86.046512	100	89.830508	16	6	0	37
83	100	72.727273	86.046512	100	89.830508	16	6	0	37
84	100	72.727273	86.046512	100	89.830508	16	6	0	37
85	100	72.727273	86.046512	100	89.830508	16	6	0	37
86	100	72.727273	86.046512	100	89.830508	16	6	0	37
87	100	72.727273	86.046512	100	89.830508	16	6	0	37
88	100	72.727273	86.046512	100	89.830508	16	6	0	37
89	100	72.727273	86.046512	100	89.830508	16	6	0	37
90	100	72.727273	86.046512	100	89.830508	16	6	0	37
91	100	72.727273	86.046512	100	89.830508	16	6	0	37
92	100	72.727273	86.046512	100	89.830508	16	6	0	37
93	100	72.727273	86.046512	100	89.830508	16	6	0	37
94	100	72.727273	86.046512	100	89.830508	16	6	0	37
95	100	72.727273	86.046512	100	89.830508	16	6	0	37
96	100	72.727273	86.046512	100	89.830508	16	6	0	37
97	100	72.727273	86.046512	100	89.830508	16	6	0	37
98	100	72.727273	86.046512	100	89.830508	16	6	0	37
99	100	72.727273	86.046512	100	89.830508	16	6	0	37
100	100	72.727273	86.046512	100	89.830508	16	6	0	37

CLAIMS

1. A method of generating a classification model capable of distinguishing between two biological states, the method comprising the steps of:

(a) providing a training dataset, *X*, comprising concentrations of a plurality of lipids in a biological sample in a first state and a biological sample in a second state;

(b) subjecting the training dataset *X* to Principal Components Analysis (PCA), in which the PCA analysis generates a transformation matrix, *C*, and a transformed dataset, Y_l;

(c) subjecting the transformed dataset Y_l to Support Vector Machines (SVM) analysis, in which the SVM analysis generates a SVM model, *S*;

(d) forming a classification model comprising (i) the transformation matrix *C*, and (ii) the corresponding SVM model *S*.

2. A method according to Claim 1, in which the plurality of lipids includes a plurality of choline lipids, such as phosphatidylcholine (GPCho) or sphingomyelin (SM) or both, and further optionally comprises phosphatidic acid (GPA), phosphatidylglycerol (GPGro), phosphatidylserine acid (GPSer), sulfatides, cardiolipin, phosphatidylethanolamine (GPEtn), phosphatidylinositol (GPIns), phosphatidylinositol phosphates (GPInsPs), ceramide (Cer), mono hexosyl ceramide (MonoHexCer) and di hexosyl ceramide (DiHexCer).

3. A method according to Claim 1 or 2, in which the plurality of lipids comprises the lipids set out in Table D1, Table D2, Table D3, Table E4 or Table E6.

4. A method according to Claim 1, 2 or 3, in which the two biological states comprise a normal state and a diseased state, such as a cancerous or tumour state, for example ovarian cancer.

5. A method according to Claim 4, in which the classification model is capable of achieving one or more, such as all, of the following: a sensitivity of 98.99% or more, a specificity of 92.31% or more, a PPV of 97.03% or more, a NPV of 97.30% or more or an accuracy of 97.10% or more.

6. A method according to any of Claims 1, 2 or 3, in which the two biological states comprise a benign state and a malignant state, such as of ovarian cancer.

7. A method according to Claim 6, in which the classification model is capable of achieving one or more, such as all, of the following: a sensitivity of 94.92% or more, a specificity of 82.50% or more, a PPV of 88.89% or more, a NPV of 91.67% or more or an accuracy of 89.90% or more.

8. A method according to any of Claims 1, 2 or 3, in which the two biological states comprise an early tumour stage and a late tumour stage, such as of ovarian cancer.

9. A method according to Claim 8, in which the classification model is capable of achieving one or more, such as all, of the following: a sensitivity of 100%, a specificity of 81.82% or more, a PPV of 90.24% or more, a NPV of 100% or an accuracy of 93.22% or more.

10. A method according to any preceding claim, which further comprises a step (c1) between step (c) and step (d), comprising repeating steps (b) and (c) and selecting principal components which enable optimal classification in step (c).

11. A method according to Claim 10, in which optimal classification in step (c1) is determined by assessing the output of the SVM for sensitivity, specificity and accuracy at each iteration.

12. A method according to Claim 10 or 11, in which the classification model further comprises (iii) the number of selected principal components enabling optimal classification in step (c).

13. A method according to Claim 10, 11 or 12, in which step (c1) comprises any one or more of the following:

(a) retaining principal components that perform at least 55%, 65%, 75%, 85%, 90%, 95%, 96%, 97%, 98%, 99%, 99.5%, 99.6%, 99.7%, 99.8%, 99.9% or 100% as well as the full dataset, after step (e), as assessed by any combination of sensitivity, specificity, PPV, NPV, accuracy, true negatives (TN), false negatives (FN), false positives (FP) and true positives (TP);

(b) removing factors which do not significantly affect the performance of the SVM model;

(c) retaining principal components whose eigenvalues are greater than or equal to 1;

(d) retaining principal components that explain at least 55%, 65%, 75%, 85%, 90%, 95%, 96%, 97%, 98%, 99%, 99.5%, 99.6%, 99.7%, 99.8% or 99.9% of the variance in the dataset;

(e) retaining principal components that in a scree plot of eigenvalues show a smooth decrease of eigenvalues or which are to the left of a levelling off or significant decrease in gradient or elbow in the plot (scree test).

14. A method according to any preceding claim, in which SVM is implemented using a default linear kernel, such as using SVM_{light}.

15. A method according to any preceding claim, in which the biological sample comprises a serum sample of or from an individual.

16. A method according to any preceding claim, in which the lipids are identified by mass spectroscopy, such as electrospray ionization mass spectrometry (ESI-MS), or quantified by multiple reaction monitoring (MRM), or both.

17. A method according to any preceding claim, in which the concentration of each lipid is normalized by obtaining $Lipid_i = \frac{x_i}{[Std].\sum_{i=1}^{n} x_i}$, where x_i is the intensity of a $lipid_i$ and Std is the ratio of the intensity to the amount in pmoles of a lipid standard.

18. A classification model obtained by a method according to any preceding claim.

19. A classification model capable of distinguishing between a normal sample and an ovarian cancer sample, the classification model comprising:

(a) a 340 x 340 transformation matrix as shown in Appendix B1 and an SVM model as shown in Appendix C1;

(b) a 340 x 85 transformation matrix comprising the first 85 columns of the matrix as shown in Appendix B1 and an SVM model as shown in Appendix C4;

(c) a 340 x 10 transformation matrix comprising the first 10 columns of the matrix as shown in Appendix B1 and an SVM model as shown in Appendix C7;

(d) a 82 x 82 transformation matrix as shown in Appendix B4 and an SVM model as shown in Appendix C10; or

(e) a 77 x 77 transformation matrix as shown in Appendix B7 and an SVM model as shown in Appendix C13.

20. A classification model capable of distinguishing between a benign cancer sample and an malignant cancer sample, the classification model comprising:

(a) a 340 x 340 transformation matrix as shown in Appendix B2 and an SVM model as shown in Appendix C2;

(b) a 340 x 87 transformation matrix comprising the first 87 columns of the matrix as shown in Appendix B2 and an SVM model as shown in Appendix C5;

(c) a 340 x 29 transformation matrix comprising the first 29 columns of the matrix as shown in Appendix B2 and an SVM model as shown in Appendix C8;

(d) a 82 x 82 transformation matrix as shown in Appendix B5 and an SVM model as shown in Appendix C11; or

(e) a 77 x 77 transformation matrix as shown in Appendix B8 and an SVM model as shown in Appendix C14.

21. A classification model capable of distinguishing between an early stage cancer sample and a late stage cancer sample, the classification model comprising:

(a) a 340 x 340 transformation matrix as shown in Appendix B3 and an SVM model as shown in Appendix C3;

(b) a 340 x 44 transformation matrix comprising the first 44 columns of the matrix as shown in Appendix B3 and an SVM model as shown in Appendix C6;

(c) a 340 x 9 transformation matrix comprising the first 9 columns of the matrix as shown in Appendix B3 and an SVM model as shown in Appendix C9;

(d) a 82 x 82 transformation matrix as shown in Appendix B6 and an SVM model as shown in Appendix C12; or

(e) a 77 x 77 transformation matrix as shown in Appendix B9 and an SVM model as shown in Appendix C15.

22. A computer readable medium comprising a classification model according to any of Claims 18 to 21.

23. A method of determining the status of a sample, the method comprising (i) providing a dataset comprising concentrations of a plurality of lipids in the sample and (ii) applying a classification model according to any of Claims 18 to 21.

24. A method according to Claim 23, in which the plurality of lipids includes a plurality of choline lipids, such as phosphatidylcholine (GPCho) or sphingomyelin (SM) or both, and further optionally comprises phosphatidic acid (GPA), phosphatidylglycerol (GPGro), phosphatidylserine acid (GPSer), sulfatides, cardiolipin, phosphatidylethanolamine (GPEtn), phosphatidylinositol (GPIns), phosphatidylinositol phosphates (GPInsPs), ceramide (Cer), mono hexosyl ceramide (MonoHexCer) and di hexosyl ceramide (DiHexCer).

25. A method according to Claim 23 or 24, in which the plurality of lipids comprises the lipids set out in Table D1, Table D2, Table D3, Table E4 or Table E6.

26. A method according to Claim 23, 24 or 25 for determining whether a sample is a normal sample or an ovarian cancer sample, the method comprising (i) transforming the dataset with a transformation matrix of a classification model according to Claim 19 to generate a transformed dataset, and (ii) subjecting the transformed dataset to Support Vector Machines (SVM) analysis with an SVM model of the classification model, in which an output of > 0 indicates a normal sample and an output of < 0 indicates an ovarian cancer sample.

27. A method of obtaining an indication useful in the diagnosis of ovarian cancer in an individual, the method comprising conducting a method according to Claim 26 on a sample of

or from a patient, in which an output of < 0 indicates that the individual is suffering from ovarian cancer.

28. A method according to Claim 23, 24 or 25 for determining whether a sample is a benign or malignant ovarian cancer sample, the method comprising (i) transforming the dataset with a transformation matrix of a classification model according to Claim 20 to generate a transformed dataset, and (ii) subjecting the transformed dataset to Support Vector Machines (SVM) analysis with an SVM model of the classification model, in which an output of > 0 indicates a benign sample and an output of < 0 indicates a malignant sample.

29. A method of obtaining an indication useful in the diagnosis of an individual suffering from a malignant ovarian cancer, the method comprising conducting a method according to Claim 28 on a sample of or from a patient, in which an output of > 0 indicates that the individual is suffering from a benign ovarian cancer and an output of < 0 indicates that the individual is suffering from a malignant ovarian cancer.

30. A method according to Claim 23, 24 or 25 for determining whether a sample is an early stage cancer or a late stage ovarian cancer sample, the method comprising (i) transforming the dataset with a transformation matrix of a classification model according to Claim 21 to generate a transformed dataset, and (ii) subjecting the transformed dataset to Support Vector Machines (SVM) analysis with an SVM model of the classification model, in which an output of > 0 indicates an early stage cancer sample and an output of < 0 indicates a late stage cancer sample.

31. A method of obtaining an indication useful in the diagnosis of an individual suffering from a late stage ovarian cancer, the method comprising conducting a method according to Claim 30 on a sample of or from a patient, in which an output of > 0 indicates that the individual is suffering from an early stage ovarian cancer and an output of < 0 indicates that the individual is suffering from a late stage ovarian cancer.

32. A method of detecting, and optionally classing, ovarian cancer in an individual, the method comprising:

(a) providing a dataset comprising concentrations of the lipids set out in Table D1, Table D2, Table D3, Table E4 or Table E6 in a sample from or of the individual;

(b) transforming the dataset with a transformation matrix of a classification model according to Claim 19 to generate a transformed dataset, and subjecting the transformed dataset to Support Vector Machines (SVM) analysis with an SVM model of the classification model, in which an output of > 0 indicates a normal sample and an output of < 0 indicates an ovarian cancer sample; and

(c) in the case of the latter, further transforming the dataset with a transformation matrix of a classification model according to Claim 20 to generate a transformed dataset and subjecting the transformed dataset to Support Vector Machines (SVM) analysis with an SVM model of the classification model; in which an output of < 0 indicates a benign sample and an output of < 0 indicates a malignant sample;

(d) in the case of the latter, further transforming the dataset with a transformation matrix of a classification model according to Claim 21 to generate a transformed dataset and subjecting the transformed dataset to Support Vector Machines (SVM) analysis with an SVM model of the classification model; in which an output of > 0 indicates an early stage sample and an output of < 0 indicates a late stage sample.

33. A method according to any of Claims 23 to 32, which is a computer implemented method.

34. A method of treatment or prevention of cancer, such as ovarian cancer, in an individual, the method comprising any one or more of detecting or diagnosing the cancer and optionally classing the cancer, in an individual by a method according to any of Claims 23 to 32, and administering a suitable treatment or prophylactic, such as a drug known or suspected to be useful for treating cancer, to the individual.

35. A method of generating a classification model capable of distinguishing between two biological states, the method comprising the steps of:

(a) providing a training dataset, *X*, comprising concentrations of a plurality of lipids in a biological sample in a first state and a biological sample in a second state;

(b) subjecting the training dataset *X* to Principal Components Analysis (PCA) to generate a transformation matrix, *C*, comprising principal component coefficients; and a representation, *Y*, of the dataset *X* in the principal component space;

(c) forming an input vector, Y_l, comprising the l most significant row vectors of Y;

(d) subjecting the input vector Y_l to Support Vector Machines (SVM) analysis;

(e) repeating steps (c) and (d) with varying l to determine a minimum dimension, l_{min}, of the principal component space sufficient to obtain optimal classification;

(f) forming a classification model comprising (i) the transformation matrix C, (ii) the minimum dimension l_{min}, and (ii) the SVM model comprising SVM weights corresponding to the minimum dimension l_{min}.

36. A combination of lipids selected from the group consisting of: (a) lipids shown in Table D1; (b) lipids shown in Table D2; (c) lipids shown in Table D3; (d) lipids shown in Table E4; and (e) lipids shown in Table E6.

37. A combination of lipids comprising two or more, such as at least 5, lipids selected from Table D1, Table D2, Table D3, Table E4 or Table E6.

38. A classification model selected from the group consisting of:

(a) a classification model capable of distinguishing between a normal sample and a diseased (ovarian cancer) sample comprising:

(i) an n x m transformation matrix, where $n < 340$ and $1 \leq m \leq n$, comprising the first m columns of the matrix shown in Appendix B1; and

(ii) an SVM model generated from applying SVM analysis on a transformed dataset, the transformed dataset being generated by transforming a dataset comprising concentrations of the first n lipids shown in Table D3 in a normal sample and a diseased (ovarian cancer) sample with an n x m transformation of (a)(i);

(b) a classification model capable of distinguishing between a benign sample and a malignant sample comprising:

(i) an n x m transformation matrix, where $n < 340$ and $1 \leq m \leq n$, comprising the first m columns of the matrix shown in Appendix B2; and

(ii) an SVM model generated from applying SVM analysis on a transformed dataset, the transformed dataset being generated by transforming a dataset

comprising concentrations of the first *n* lipids shown in Table D3 in a benign sample and a malignant sample with an *n* x *m* transformation matrix of (b)(i);

(c) a classification model capable of distinguishing between an early stage sample and a late stage sample comprising:

(i) an *n* x *m* transformation matrix, where $n < 340$ and $1 \leq m \leq n$, comprising the first *m* columns of the matrix shown in Appendix B3; and

(ii) an SVM model generated from applying SVM analysis on a transformed dataset, the transformed dataset being generated by transforming a dataset comprising concentrations of the first *n* lipids shown in Table D3 in an early stage sample and a late stage sample with an *n* x *m* transformation matrix of (c)(i).

39. A method or classification model substantially as hereinbefore described with reference to and as shown in Figures 1 to 14 of the accompanying drawings.

FIGURE 1

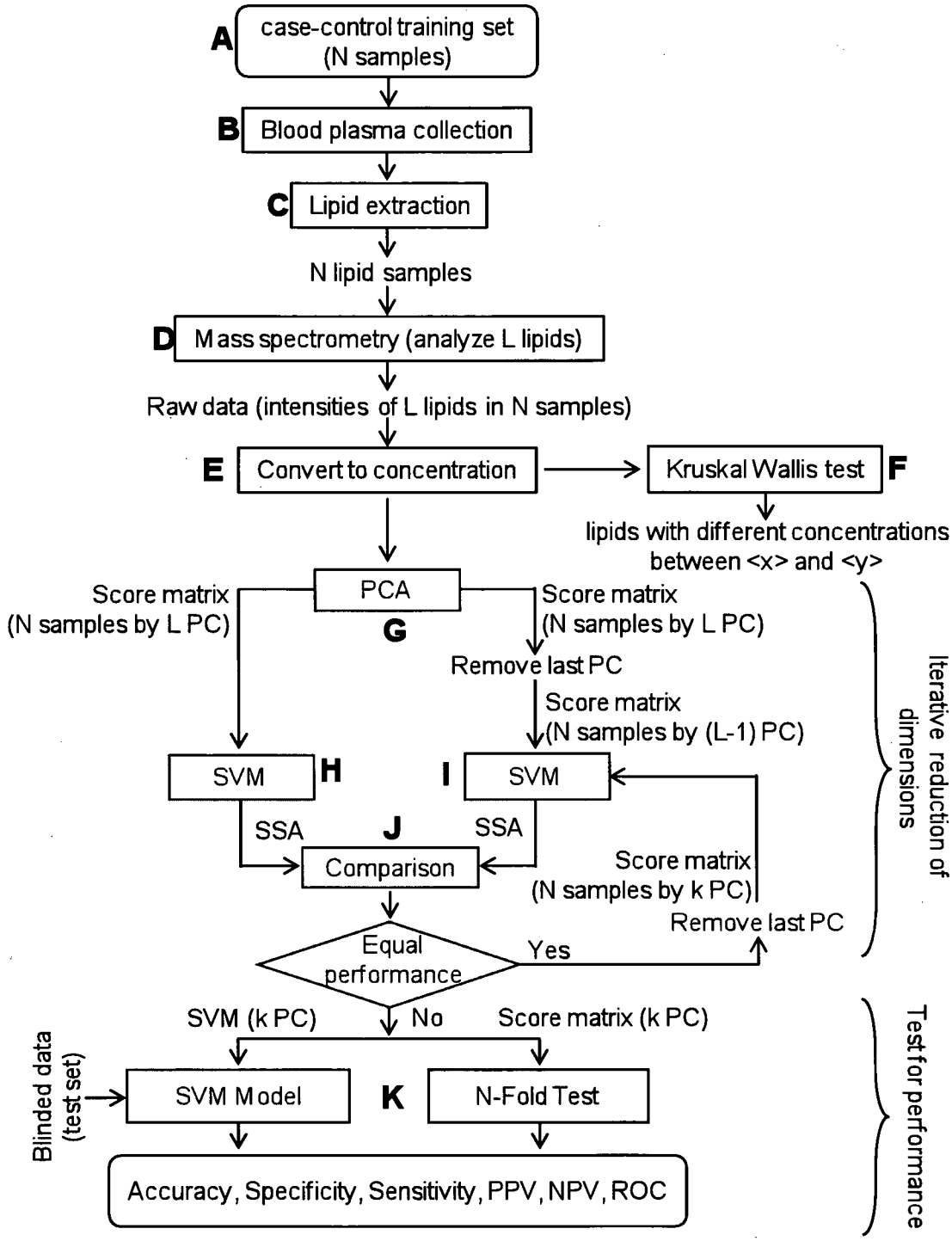

A
case-control training set (N samples)
B
Blood plasma collection
C
Lipid extraction
N lipid samples
D
Mass spectrometry (analyze L lipids)
Raw data (intensities of L lipids in N samples)
E
Convert to concentration
Kruskal Wallis test
F
lipids with different concentrations between <x> and <y>
PCA
G
Score matrix (N samples by L PC)
Score matrix (N samples by L PC)
Remove last PC
Score matrix (N samples by (L-1) PC)
SVM
H
I
SVM
SSA
J
SSA
Comparison
Score matrix (N samples by k PC)
Remove last PC
Equal performance
Yes
No
SVM (k PC)
Score matrix (k PC)
Blinded data (test set)
SVM Model
K
N-Fold Test
Accuracy, Specificity, Sensitivity, PPV, NPV, ROC
Iterative reduction of dimensions
Test for performance

FIGURE 2

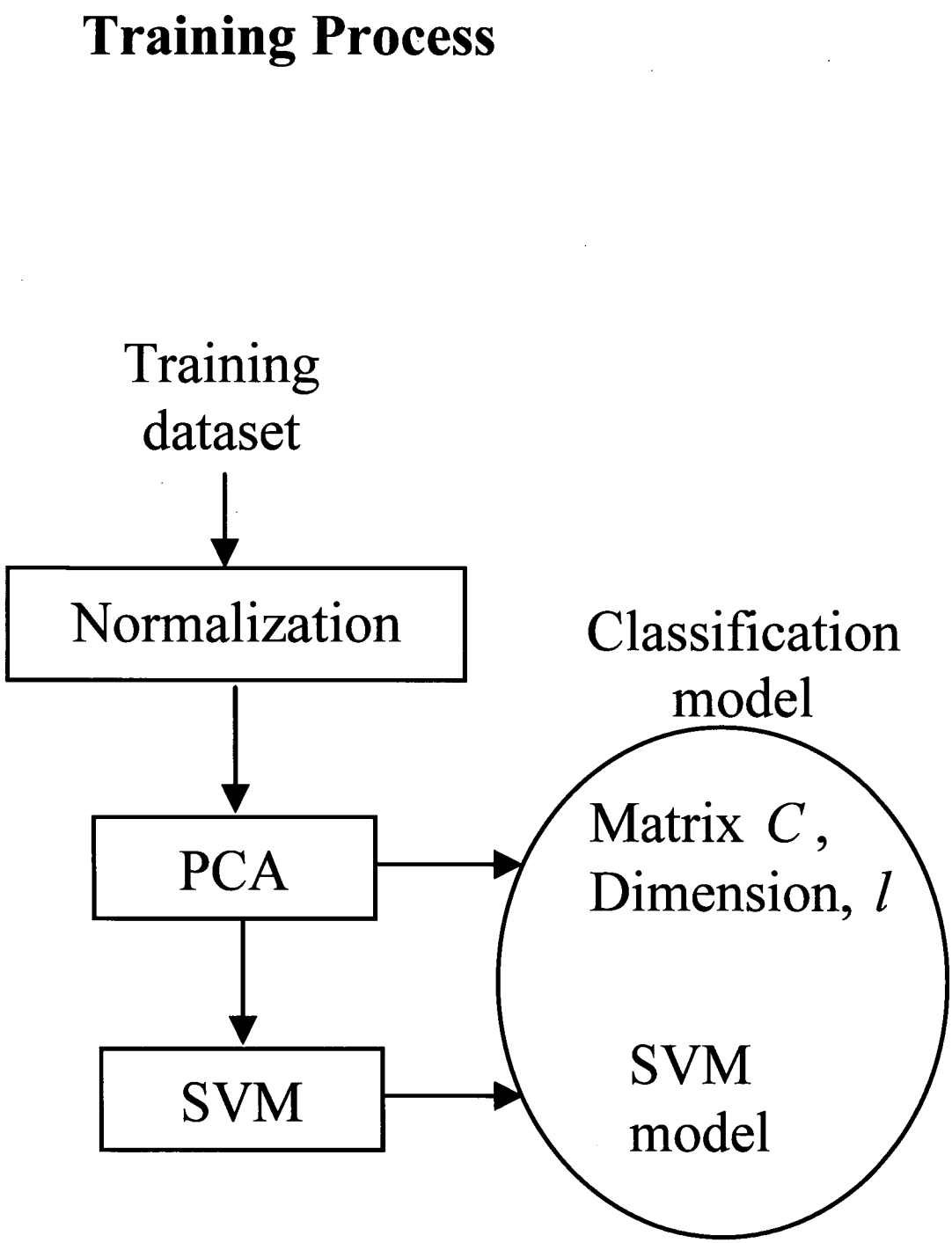

Training Process
Training dataset
Normalization
PCA
SVM
Classification model
Matrix C,
Dimension, l
SVM model

FIGURE 3

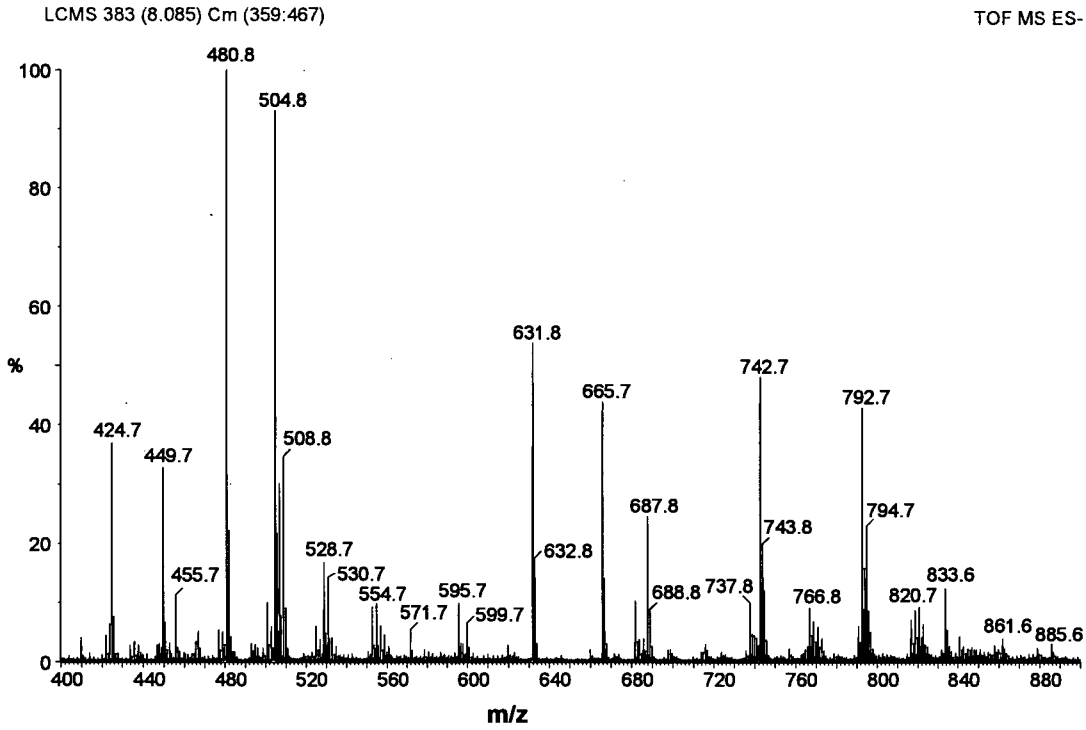

LCMS 383 (8.085) Cm (359:467)
TOF MS ES-
480.8
504.8
631.8
742.7
665.7
792.7
424.7
449.7
508.8
687.8
743.8
794.7
528.7
632.8
455.7
530.7
554.7
595.7
688.8
737.8
766.8
833.6
820.7
571.7
599.7
861.6
885.6
100
80
60
40
20
0
%
400
440
480
520
560
600
640
680
720
760
800
840
880
m/z

FIGURE 4

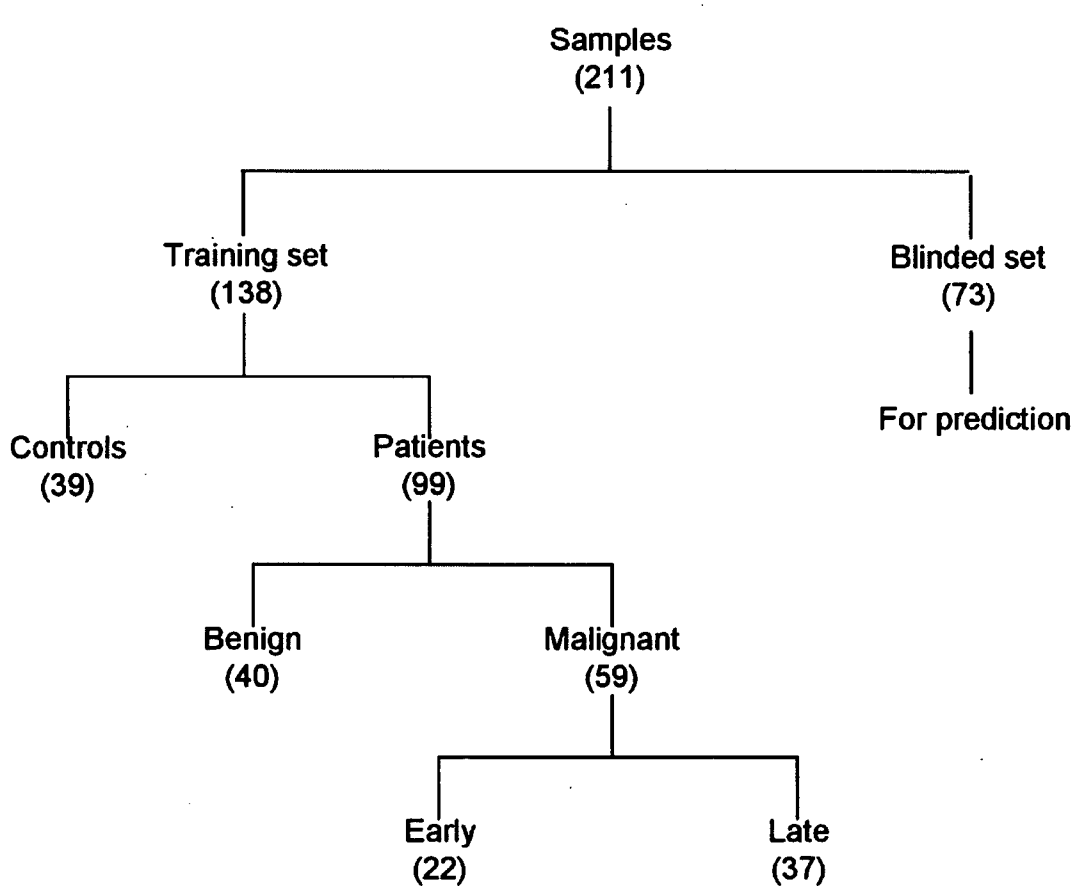

Samples
(211)
Training set
(138)
Blinded set
(73)
For prediction
Controls
(39)
Patients
(99)
Benign
(40)
Malignant
(59)
Early
(22)
Late
(37)

FIGURE 5

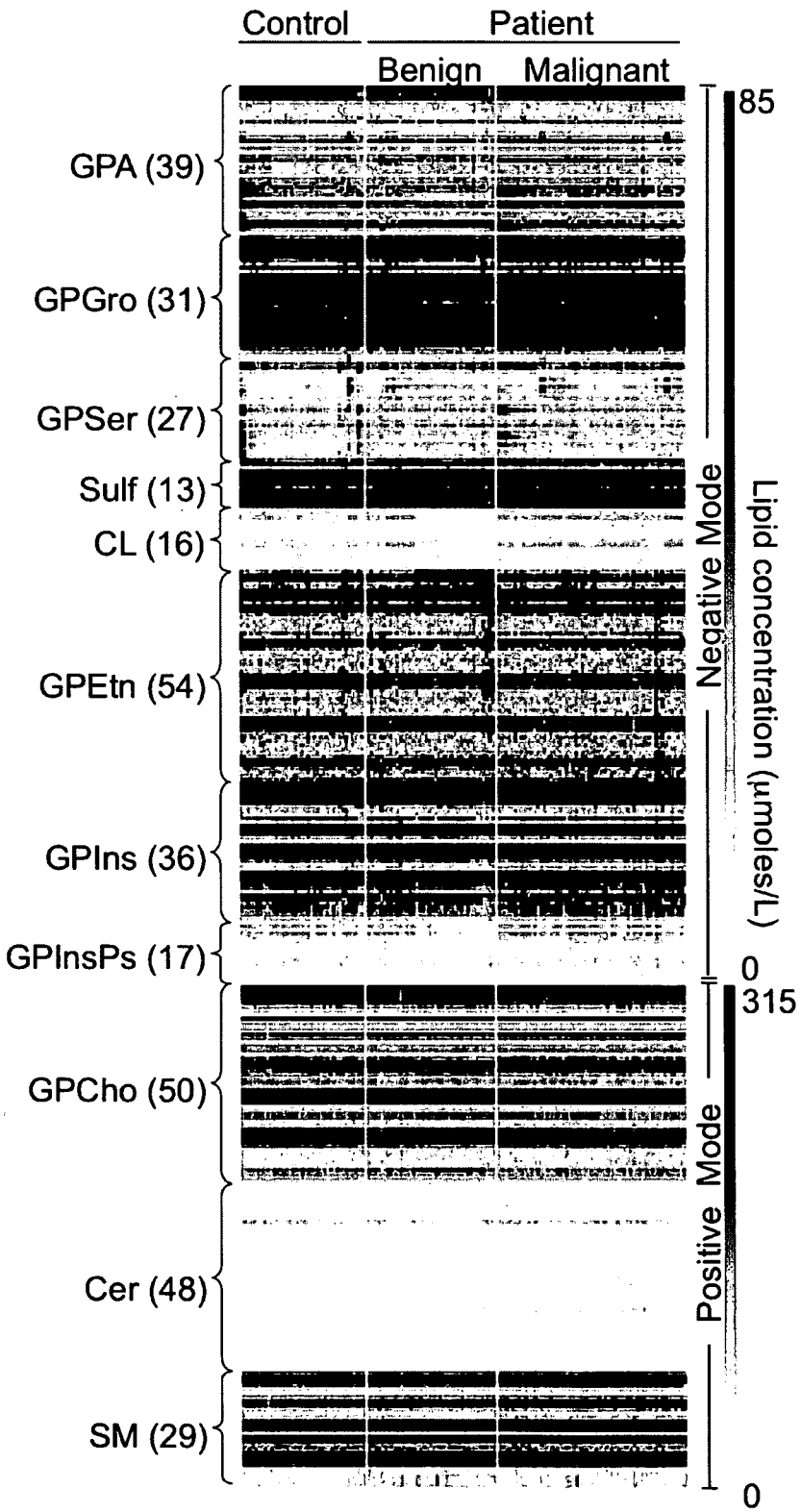

Control
Patient
Benign
Malignant
GPA (39)
GPGro (31)
GPSer (27)
Sulf (13)
CL (16)
GPEtn (54)
GPIns (36)
GPInsPs (17)
GPCho (50)
Cer (48)
SM (29)
85
Negative Mode
Lipid concentration (μmoles/L)
0
315
Positive Mode
0

FIGURE 6

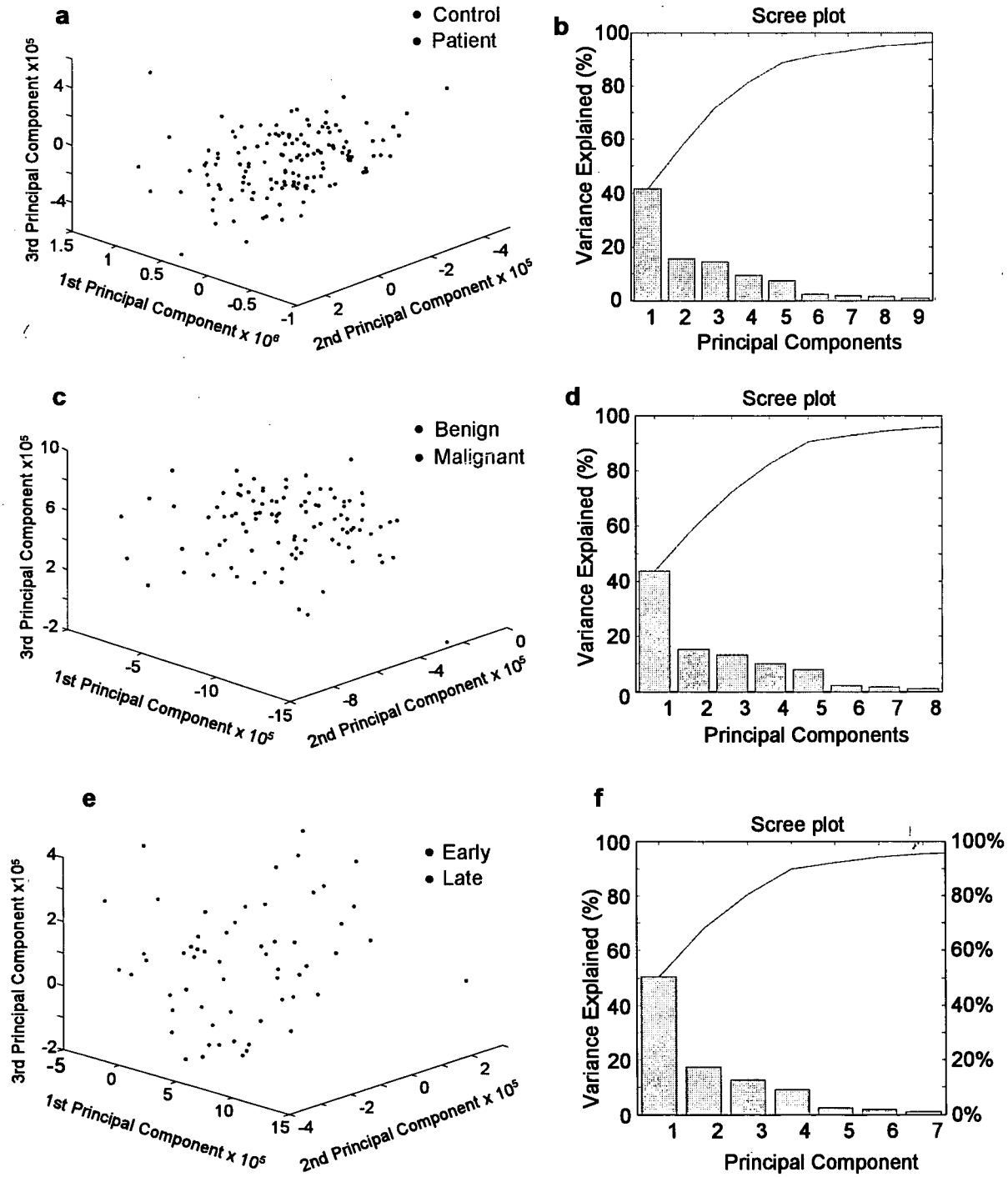

a
Control
Patient
3rd Principal Component x10^5
1st Principal Component x 10^5
2nd Principal Component x 10^5
b
Scree plot
Variance Explained (%)
Principal Components
c
Benign
Malignant
3rd Principal Component x10^5
1st Principal Component x 10^5
2nd Principal Component x 10^5
d
Scree plot
Variance Explained (%)
Principal Components
e
Early
Late
3rd Principal Component x10^5
1st Principal Component x 10^5
2nd Principal Component x 10^5
f
Scree plot
Variance Explained (%)
Principal Component

FIGURE 6 (CONTINUED)

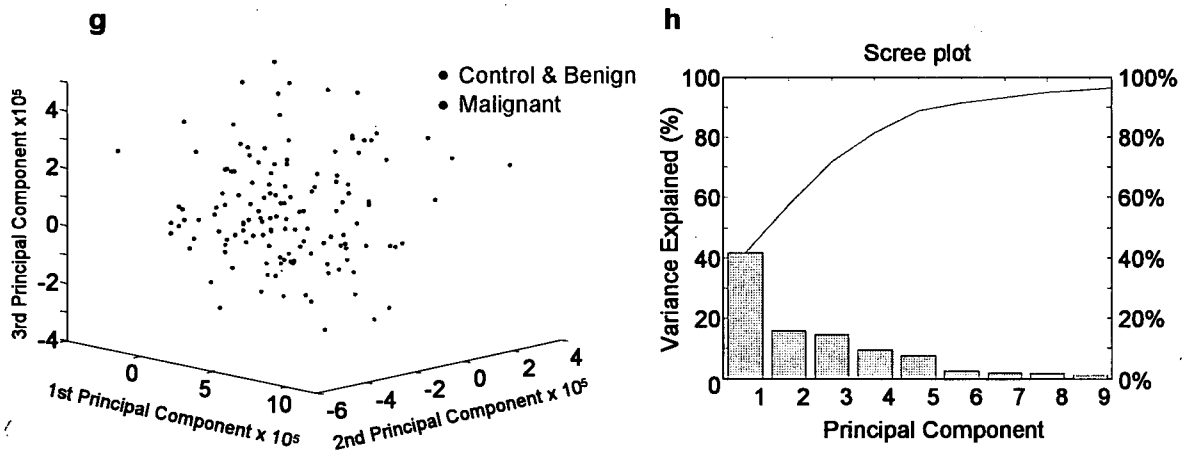


FIGURE 7

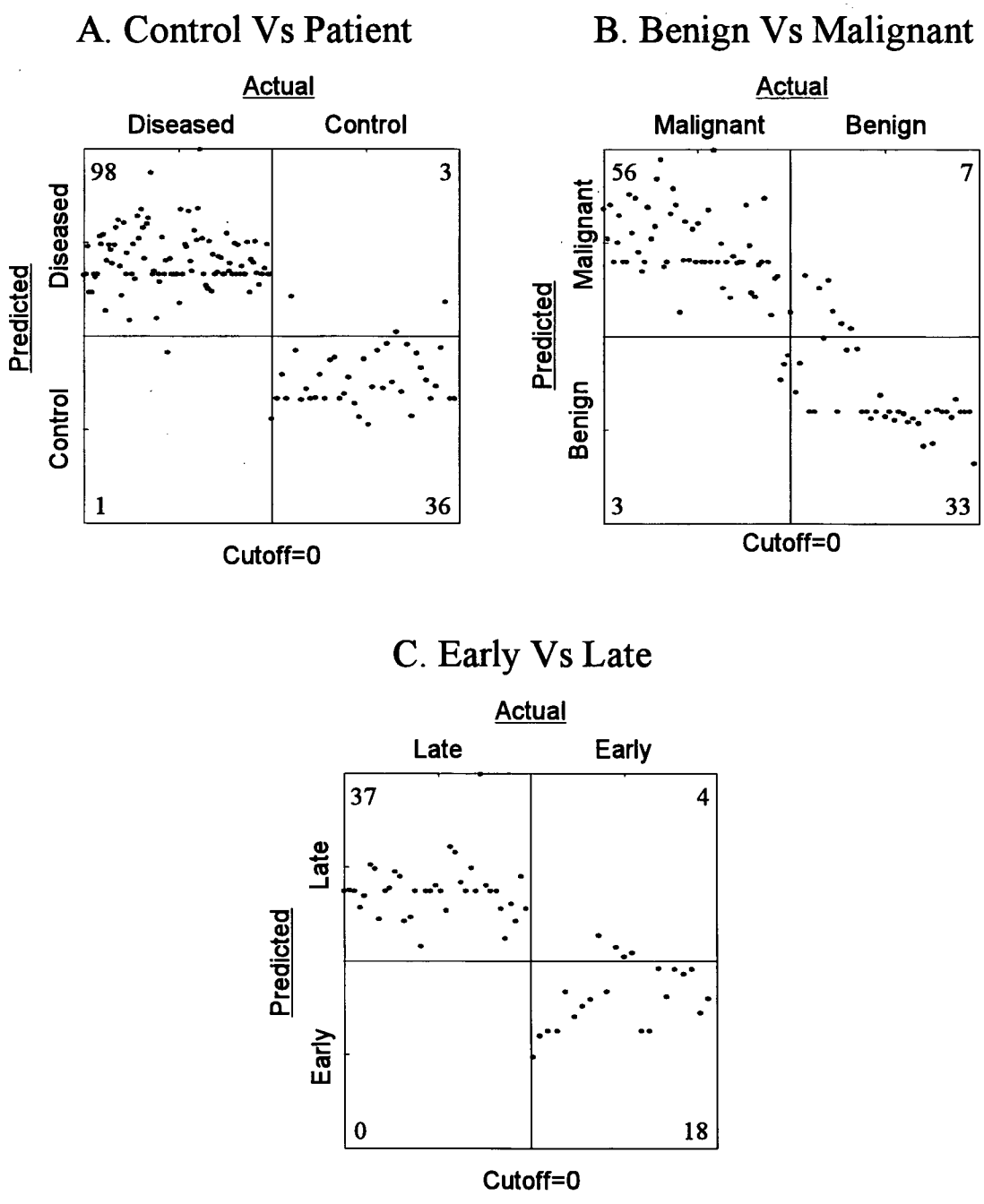
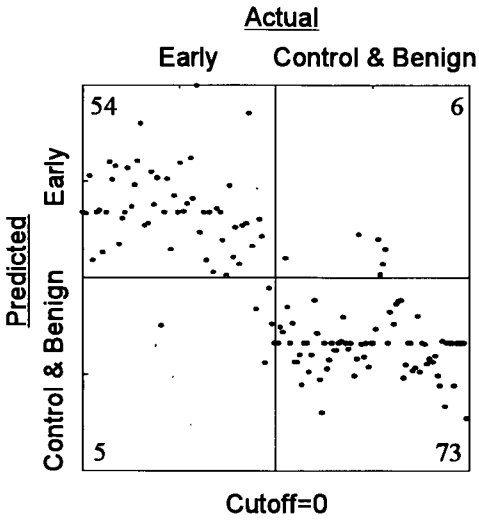

A. Control Vs Patient
Actual
Diseased
Control
Predicted
Diseased
Control
98
3
1
36
Cutoff=0
B. Benign Vs Malignant
Actual
Malignant
Benign
Predicted
Malignant
Benign
56
7
3
33
Cutoff=0
C. Early Vs Late
Actual
Late
Early
Predicted
Late
Early
37
4
0
18
Cutoff=0

FIGURE 7 (CONTINUED)

D. Control + Benign Vs Malignant



E. Benign Vs Early

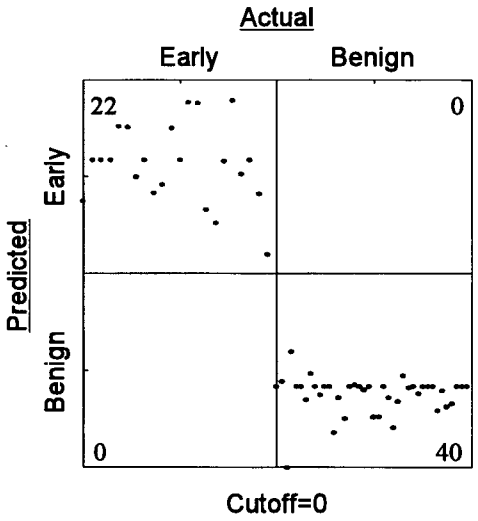


FIGURE 8

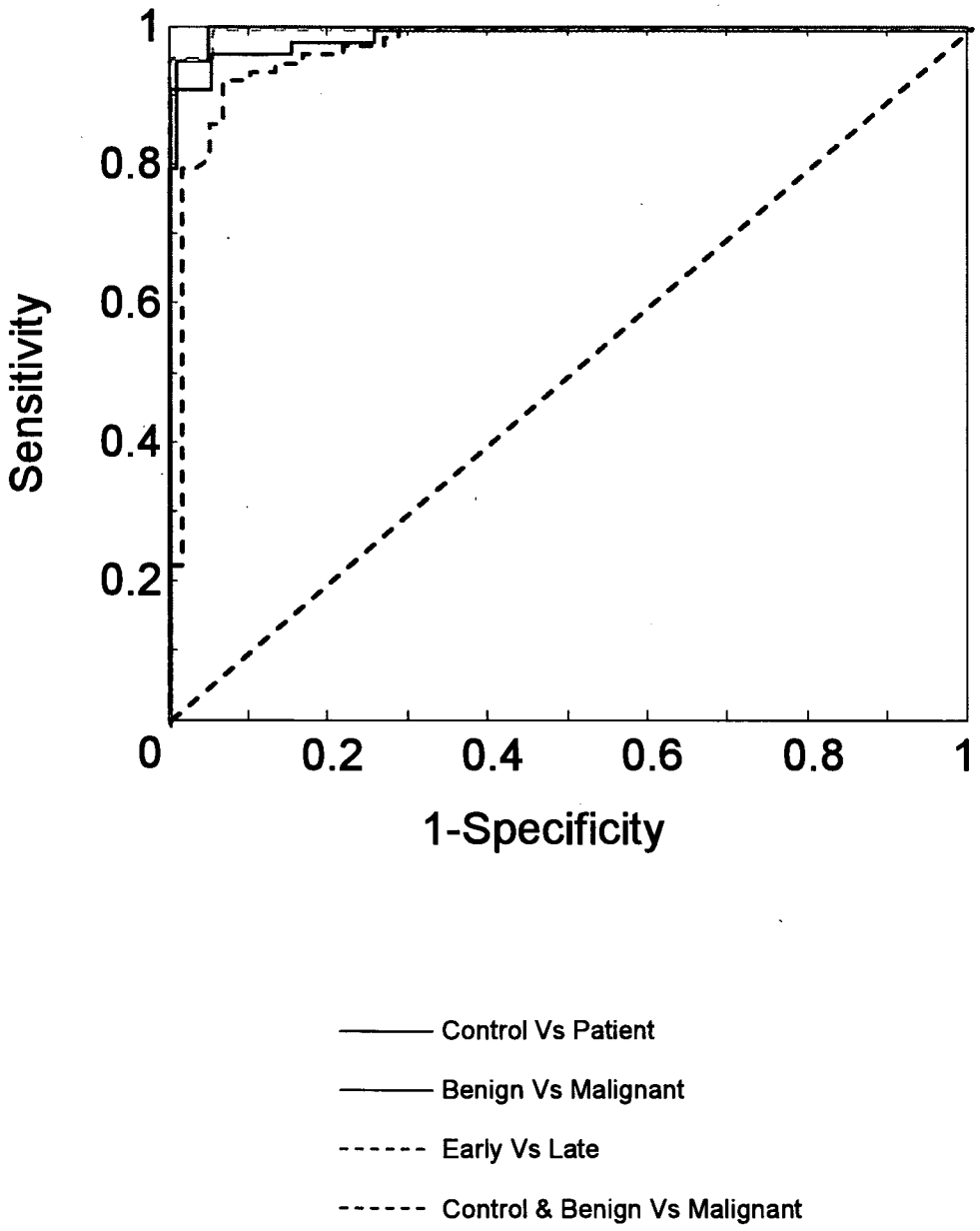

1
0.8
0.6
0.4
0.2
0
Sensitivity
0.2
0.4
0.6
0.8
1
1-Specificity
Control Vs Patient
Benign Vs Malignant
Early Vs Late
Control & Benign Vs Malignant

FIGURE 9

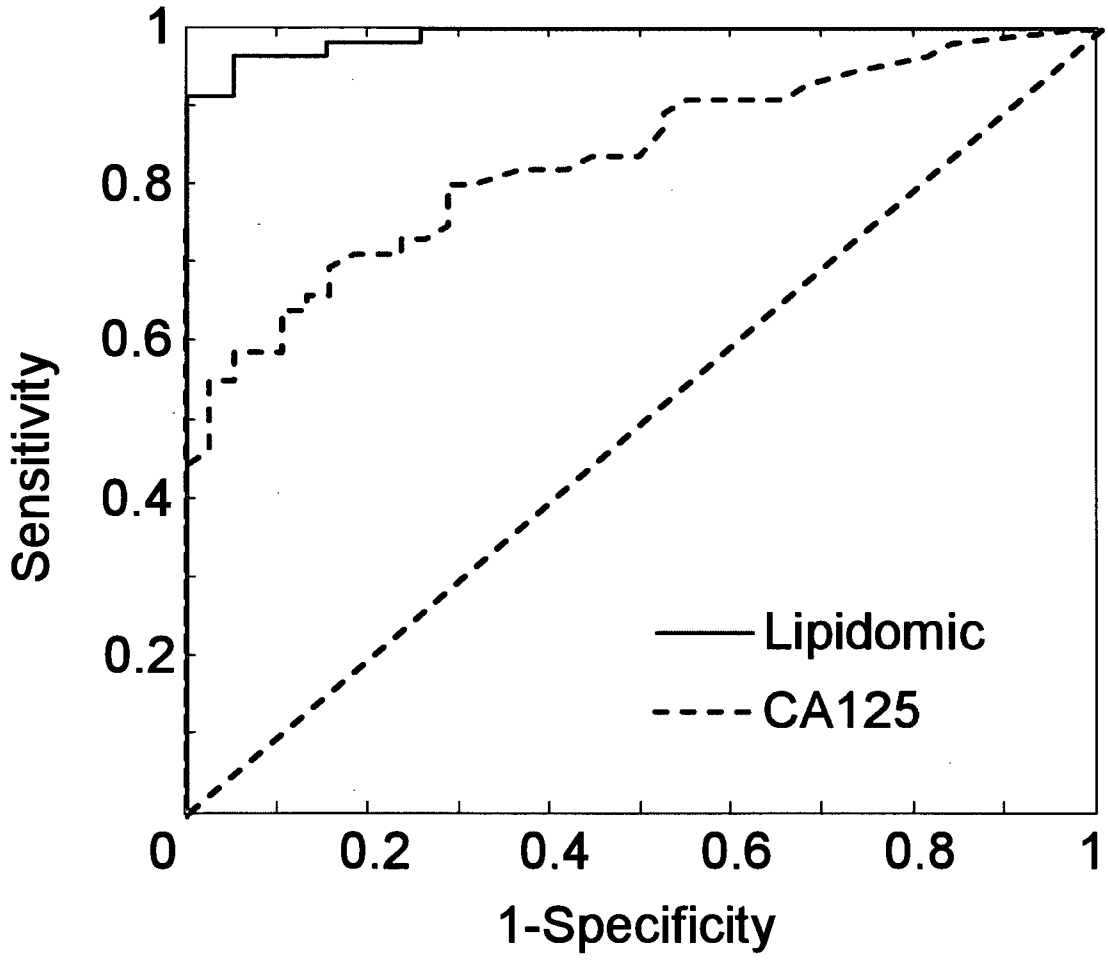

1
0.8
0.6
0.4
0.2
0
0.2
0.4
0.6
0.8
1
Sensitivity
1-Specificity
Lipidomic
CA125

FIGURE 10

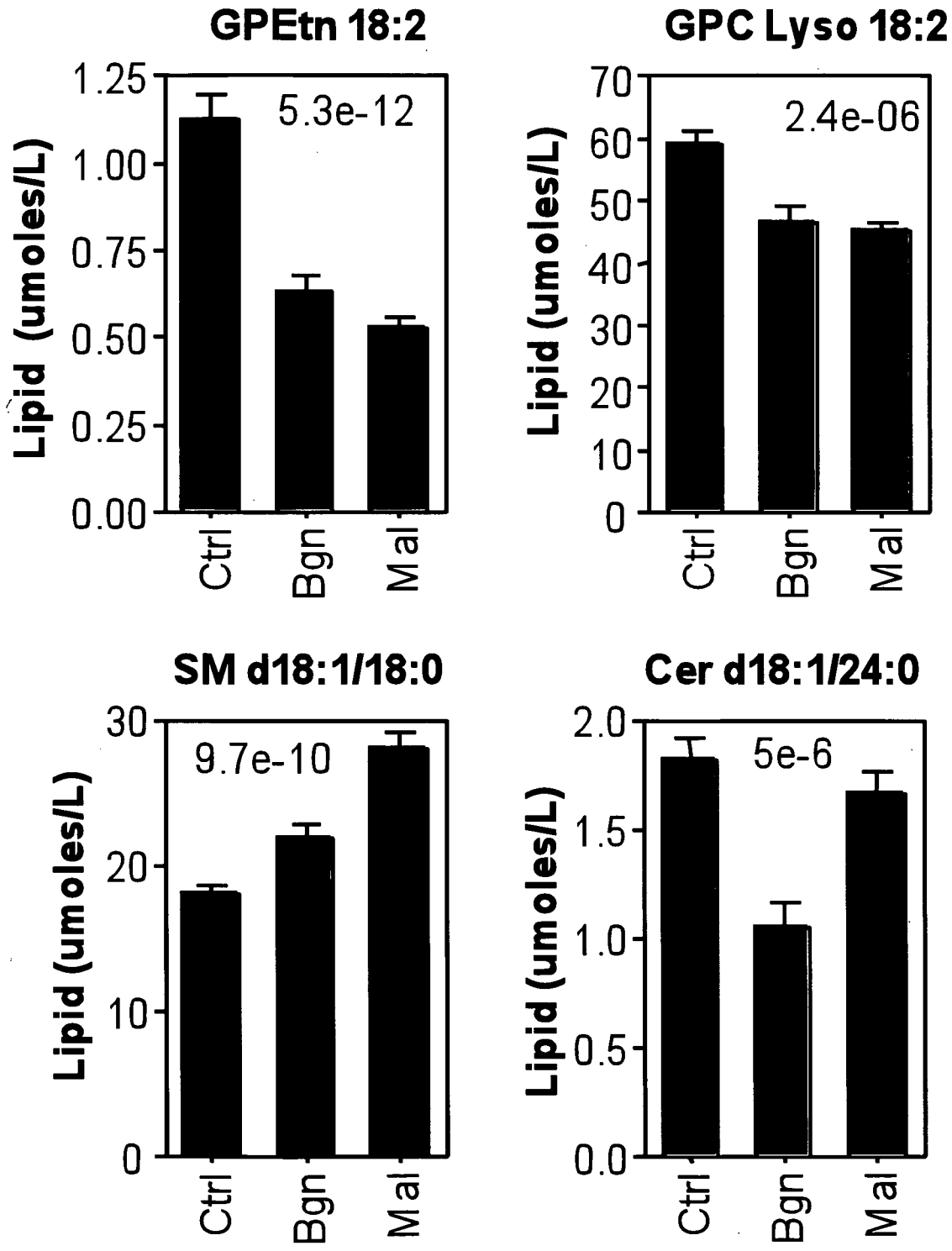

GPEtn 18:2
Lipid (umoles/L)
1.25
1.00
0.75
0.50
0.25
0.00
5.3e-12
Ctrl
Bgn
Mal
GPC Lyso 18:2
Lipid (umoles/L)
70
60
50
40
30
20
10
0
2.4e-06
Ctrl
Bgn
Mal
SM d18:1/18:0
Lipid (umoles/L)
30
20
10
0
9.7e-10
Ctrl
Bgn
Mal
Cer d18:1/24:0
Lipid (umoles/L)
2.0
1.5
1.0
0.5
0.0
5e-6
Ctrl
Bgn
Mal

FIGURE 11

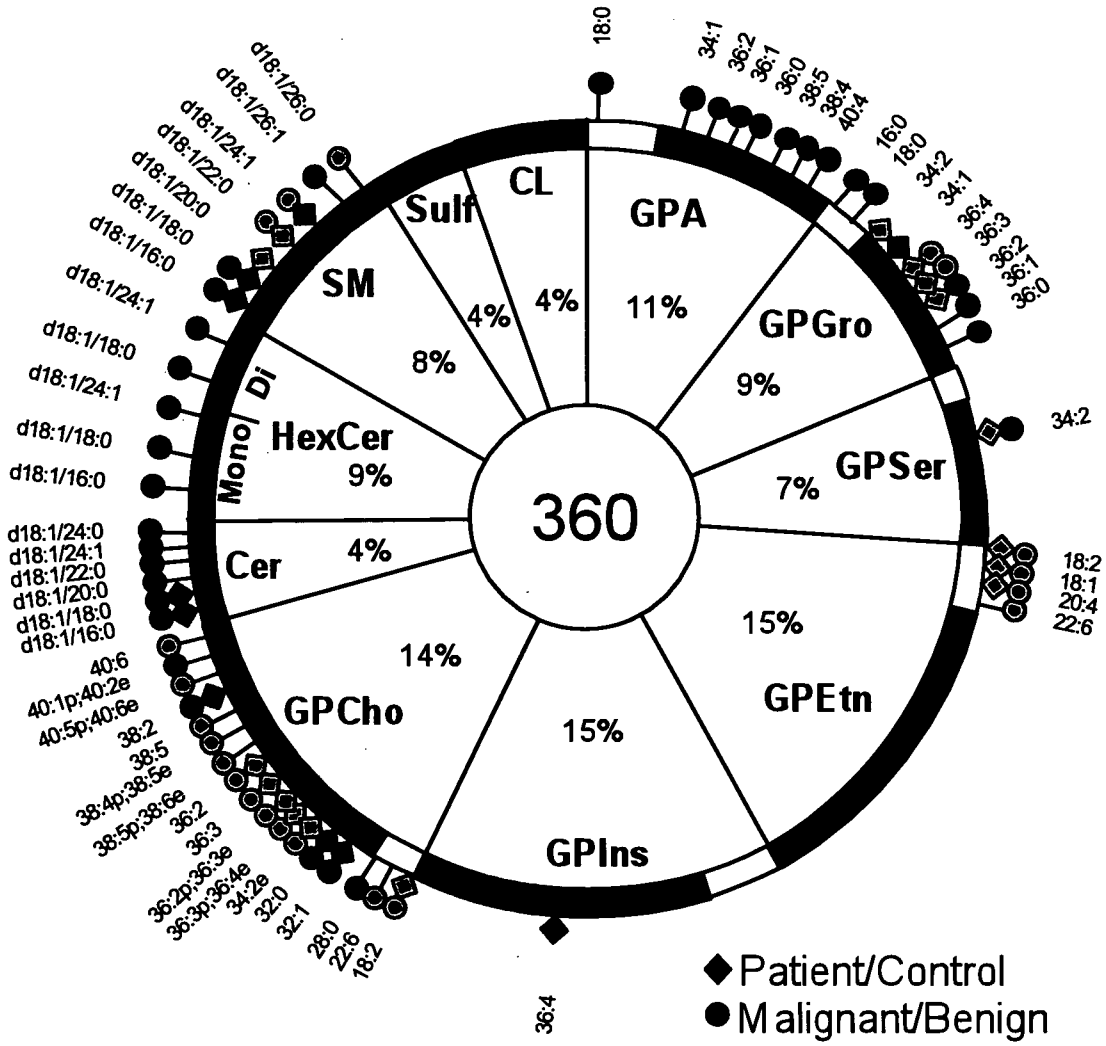

360
CL
4%
GPA
11%
GPGro
9%
GPSer
7%
GPEtn
15%
GPIns
15%
GPCho
14%
Cer
4%
HexCer
9%
Mono/ Di
SM
8%
Sulf
4%
18:0
34:1
36:2
36:1
36:0
38:5
38:4
40:4
16:0
18:0
34:2
34:1
36:4
36:3
36:2
36:1
36:0
34:2
18:2
18:1
20:4
22:6
36:4
32:0
32:1
28:0
22:6
18:2
d18:1/26:0
d18:1/26:1
d18:1/24:1
d18:1/22:0
d18:1/20:0
d18:1/18:0
d18:1/16:0
d18:1/24:1
d18:1/18:0
d18:1/24:1
d18:1/18:0
d18:1/16:0
d18:1/24:0
d18:1/24:1
d18:1/22:0
d18:1/20:0
d18:1/18:0
d18:1/16:0
40:6
40:1p;40:2e
40:5p;40:6e
38:2
38:5
38:4p;38:5e
38:5p;38:6e
36:2
36:3
36:2p;36:3e
36:3p;36:4e
34:2e
Patient/Control
Malignant/Benign

FIGURE 12

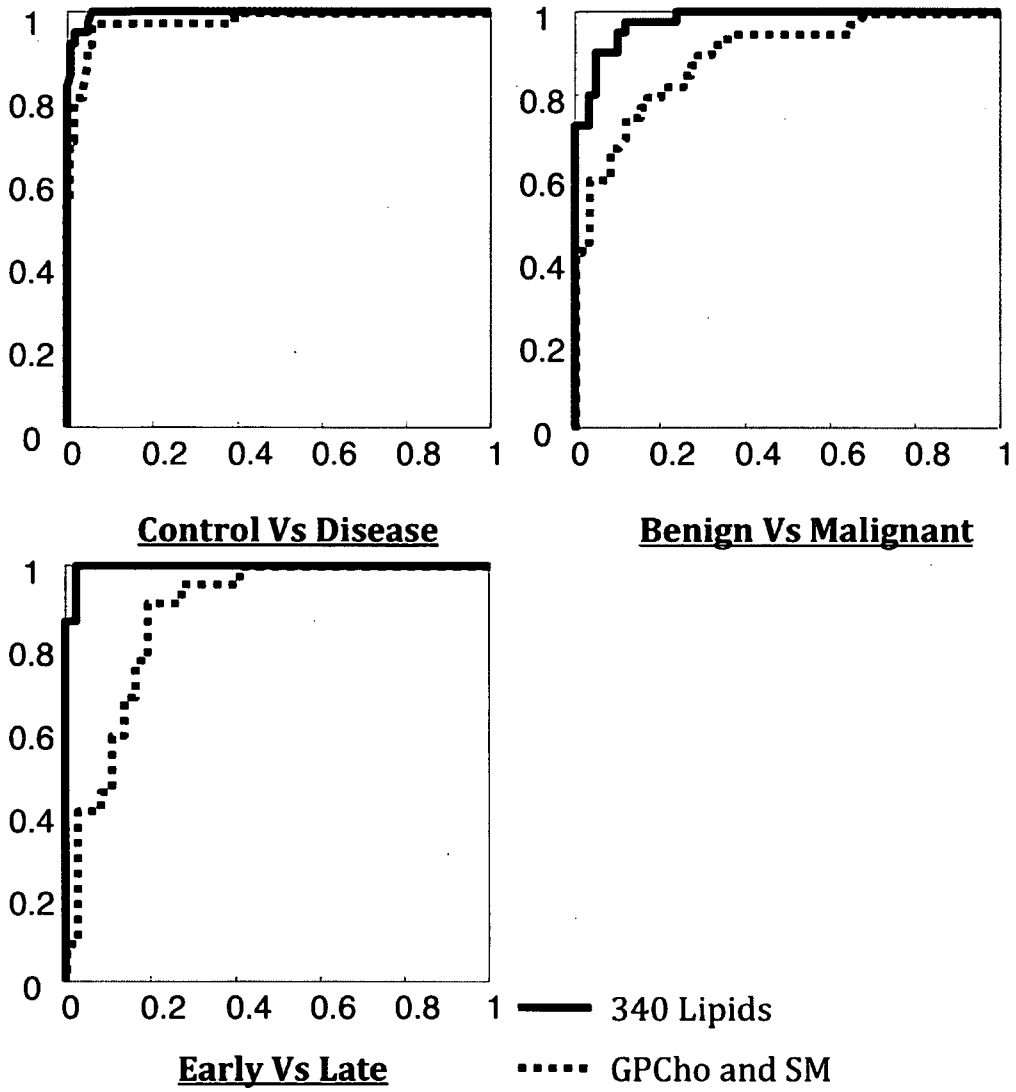

1
0.8
0.6
0.4
0.2
0
0 0.2 0.4 0.6 0.8 1
Control Vs Disease
Benign Vs Malignant
Early Vs Late
340 Lipids
GPCho and SM

FIGURE 13

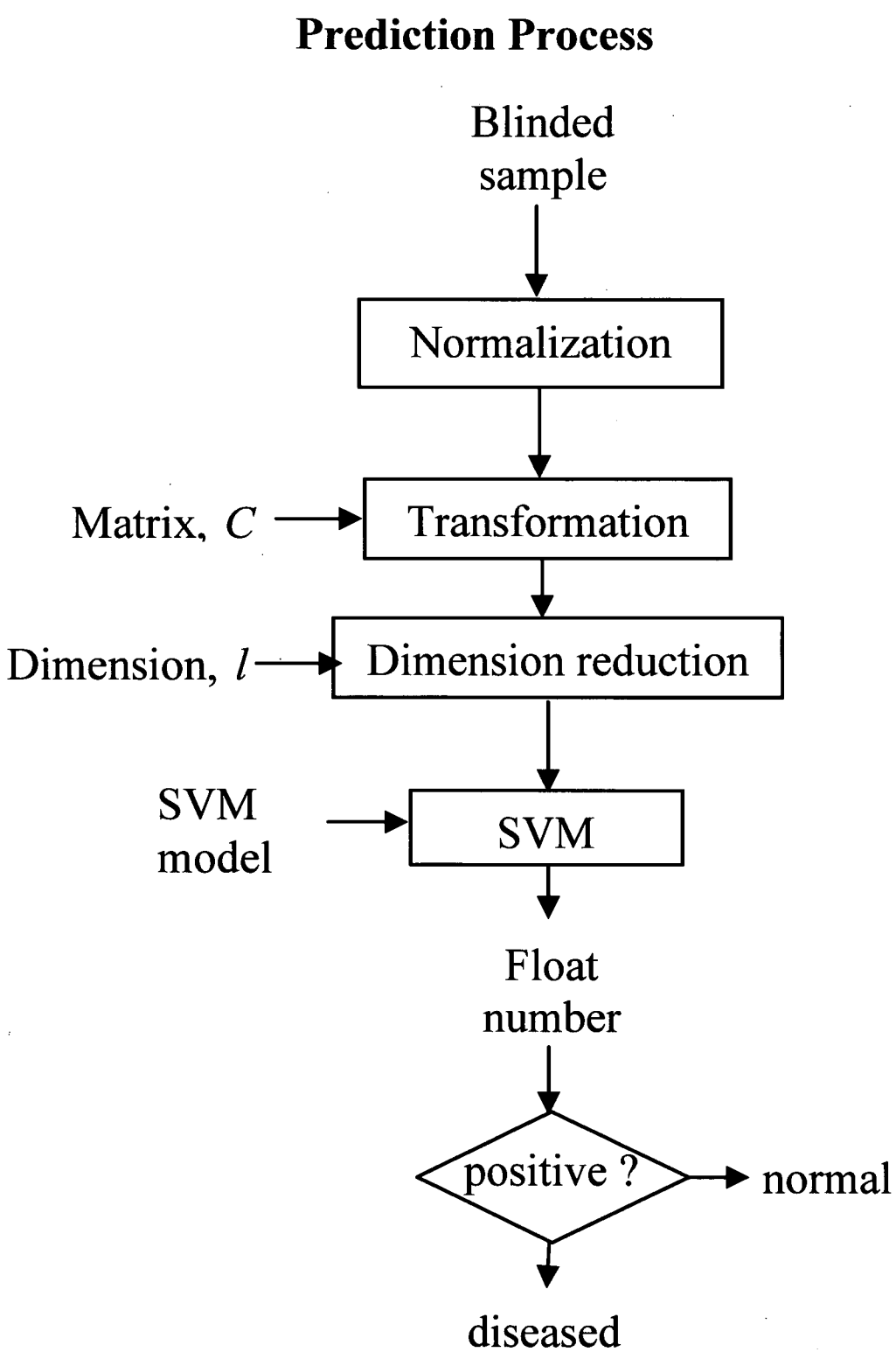
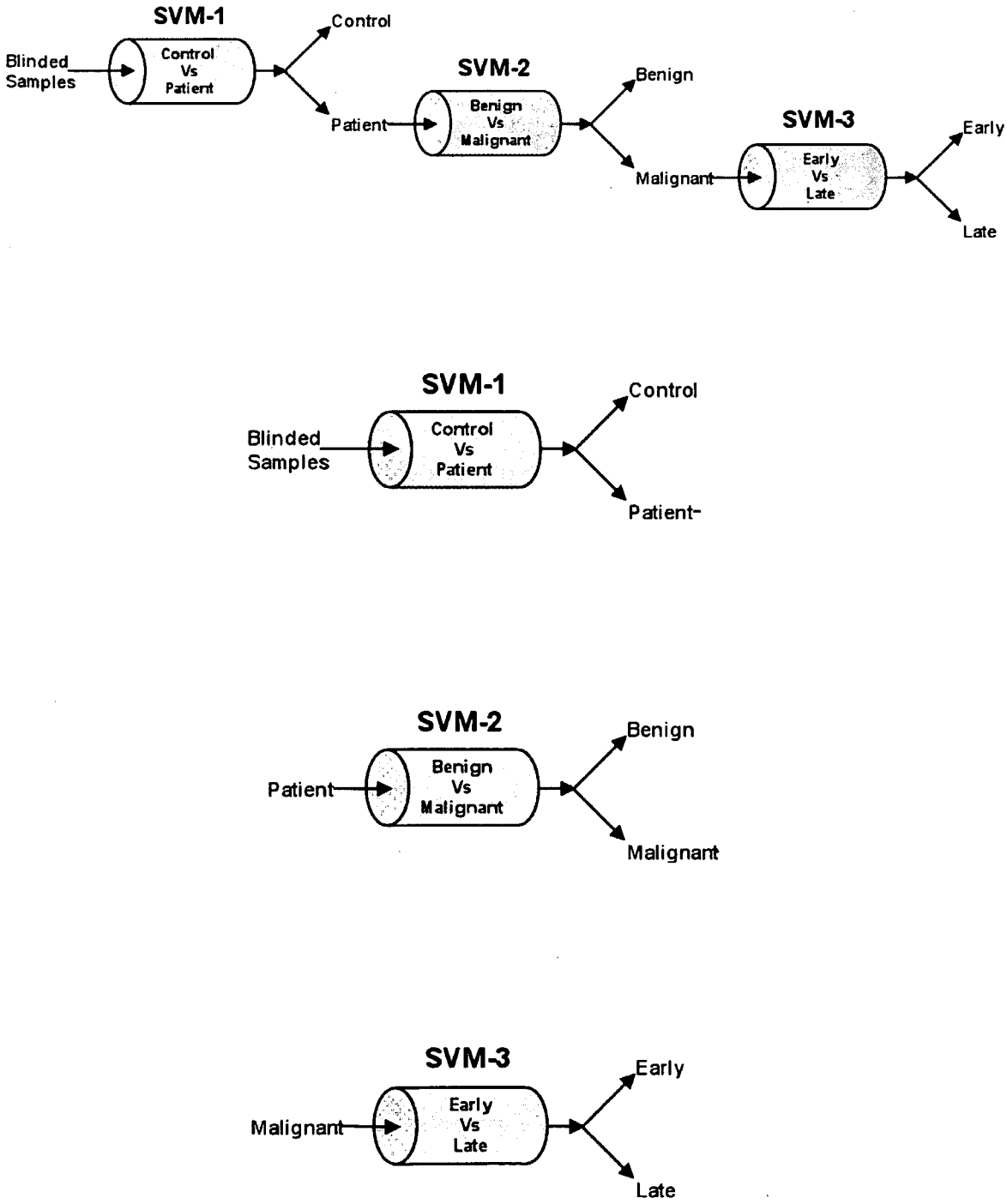

Prediction Process
Blinded sample
Normalization
Matrix, C
Transformation
Dimension, l
Dimension reduction
SVM model
SVM
Float number
positive ?
normal
diseased

FIGURE 14


SVM-1
Blinded Samples
Control Vs Patient
Control
Patient
SVM-2
Benign Vs Malignant
Benign
Malignant
SVM-3
Early Vs Late
Early
Late
SVM-1
Blinded Samples
Control Vs Patient
Control
Patient-
SVM-2
Patient
Benign Vs Malignant
Benign
Malignant
SVM-3
Malignant
Early Vs Late
Early
Late

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SG2009/000035

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl.

C40B 50/02 (2006.01) *G06N 3/08* (2006.01)
G06N 3/02 (2006.01) *G06N 5/00* (2006.01)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EPODOC, WPI, TXT FULL TEXT DATABASES, INSPEC, GOOGLE keywords: CLASSIFICATION MODEL, SUPPORT VECTOR MACHINE, MATRIX, TRANSFORM, CONCENTRATION, PRINCIPAL COMPONENT ANALYSIS, DATASET and other terms and phrases

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	IVANCIUC, O ET AL:"APPLICATIONS OF SUPPORT VECTOR MACHINES IN CHEMISTRY", Reviews in Computational Chemistry, Vol.23, p.291-400, (2007)	
A	LIN, H.H. ET AL:" PREDICTION OF THE FUNCTIONAL CLASS OF LIPID BINDING PROTEINS FROM SEQUENCE-DERIVED PROPERTIES IRRESPECTIVE OF SEQUENCE SIMILARITY", Journal of Lipid Research, vol.47, p.824-831, April 2006.	
A	DING, C.H.Q., DUBCHAK, I.:" MULTI-CLASS PROTEIN FOLD RECOGNITION USING SUPPORT VECTOR MACHINES AND NEURAL NETWORKS", Bioinformatics Vol.17, no.4, p.349-358, (2001)	

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Date of the actual completion of the international search	Date of mailing of the international search report
21 April 2009	1 MAY 2009
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au Facsimile No. +61 2 6283 7999	Authorized officer **BAYER MITROVIC** AUSTRALIAN PATENT OFFICE (ISO 9001 Quality Certified Service) Telephone No : +61 2 6283 2164