



(12) **DEMANDE DE BREVET CANADIEN
CANADIAN PATENT APPLICATION**

(13) **A1**

(86) Date de dépôt PCT/PCT Filing Date: 2018/07/05
(87) Date publication PCT/PCT Publication Date: 2019/01/10
(85) Entrée phase nationale/National Entry: 2019/12/31
(86) N° demande PCT/PCT Application No.: US 2018/040841
(87) N° publication PCT/PCT Publication No.: 2019/010255
(30) Priorité/Priority: 2017/07/05 (US62/528,669)

(51) Cl.Int./Int.Cl. *A61K 35/745* (2015.01),
A61K 45/06 (2006.01), *A61P 35/00* (2006.01)
(71) Demandeur/Applicant:
EVELO BIOSCIENCES, INC., US
(72) Inventeurs/Inventors:
SANDY, PETER, US;
PAPKOFF, JACQUELINE, US;
SIZOVA, MARIA, US;
GOODMAN, BRIAN, US;
GARDNER, HUMPHREY, US;
PONICHTERA, HOLLY, US;
...
(74) Agent: BORDEN LADNER GERVAIS LLP

(54) Titre : COMPOSITIONS ET METHODES DE TRAITEMENT DU CANCER A L'AIDE DE BIFIDOBACTERIUM
ANIMALIS SSP. LACTIS
(54) Title: COMPOSITIONS AND METHODS OF TREATING CANCER USING BIFIDOBACTERIUM ANIMALIS SSP.
LACTIS

(57) Abrégé/Abstract:

Provided herein are methods and compositions related to Bifidobacterium animalis ssp. lactis useful as therapeutic agents.

(72) Inventeurs(suite)/Inventors(continued): CAFFREY, WILLIAM, US; DUTTA, ANUPRIYA, US; WU, HANK, US

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property

Organization

International Bureau

(43) International Publication Date

10 January 2019 (10.01.2019)



(10) International Publication Number

WO 2019/010255 A1

(51) International Patent Classification:

A61K 35/745 (2015.01) A61P 35/00 (2006.01)

A61K 45/06 (2006.01)

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(21) International Application Number:

PCT/US2018/040841

(22) International Filing Date:

05 July 2018 (05.07.2018)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/528,669 05 July 2017 (05.07.2017) US

(71) Applicant: EVELO BIOSCIENCES, INC. [US/US]; 620 Memorial Drive, Suite 200 West, Cambridge, MA 02139 (US).

(72) Inventors: SANDY, Peter; 198 Prospect Avenue, Revere, MA 02151 (US). PAPKOFF, Jacqueline; 4373 21st Street, San Francisco, CA 94114 (US). SIZOVA, Maria; 152 Walter Street Unit 1, Roslindale, MA 02131 (US). GOODMAN, Brian; 16 McBride Street, #1, Jamaica Plain, MA 02130 (US). GARDNER, Humphrey; 23 Clifton Avenue, Marblehead, MA 01945 (US). PONICHTERA, Holly; 530 3rd Street Unit 504, Cambridge, MA 02142 (US).

(74) Agent: JONES, Brendan T. et al.; Foley Hoag LLP, 155 Seaport Boulevard, Boston, MA 02210-2600 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- of inventorship (Rule 4.17(iv))

(54) Title: COMPOSITIONS AND METHODS OF TREATING CANCER USING *BIFIDOBACTERIUM ANIMALIS* SSP. *LACTIS*

(57) Abstract: Provided herein are methods and compositions related to *Bifidobacterium animalis* ssp. *lactis* useful as therapeutic agents.



WO 2019/010255 A1

DEMANDE OU BREVET VOLUMINEUX

LA PRÉSENTE PARTIE DE CETTE DEMANDE OU CE BREVET COMPREND PLUS D'UN TOME.

CECI EST LE TOME 1 DE 4
CONTENANT LES PAGES 1 À 194

NOTE : Pour les tomes additionels, veuillez contacter le Bureau canadien des brevets

JUMBO APPLICATIONS/PATENTS

THIS SECTION OF THE APPLICATION/PATENT CONTAINS MORE THAN ONE VOLUME

THIS IS VOLUME 1 OF 4
CONTAINING PAGES 1 TO 194

NOTE: For additional volumes, please contact the Canadian Patent Office

NOM DU FICHIER / FILE NAME :

NOTE POUR LE TOME / VOLUME NOTE:

Compositions and Methods of Treating Cancer Using *Bifidobacterium animalis ssp. lactis*

RELATED APPLICATION

[0001] This application claims the benefit of priority to U.S. Provisional Patent Application serial number 62/528,669, filed July 5, 2017, which is hereby incorporated herein by reference in its entirety.

SUMMARY

[0002] In certain aspects, provided herein are methods and compositions related to the treatment of a cancer in a subject (*e.g.*, a human subject) comprising administering a bacterial composition comprising *Bifidobacterium animalis ssp. lactis*. In some embodiments, the *Bifidobacterium animalis ssp. lactis* is *Bifidobacterium animalis ssp. lactis* Strain A (ATCC Deposit Number PTA-125097). In some embodiments, the *Bifidobacterium animalis ssp. lactis* is a strain comprising at least 99% sequence identity (*e.g.*, at least 99.5% sequence identity, at least 99.6% sequence identity, at least 99.7% sequence identity, at least 99.8% sequence identity, at least 99.9% sequence identity) to the nucleotide sequence of the *Bifidobacterium animalis ssp. lactis* Strain A (Table 1). In some embodiments, the administration of the bacterial composition induces an immune response against a tumor in the subject. In some embodiments, the administration of the bacterial composition induces CD3+ immune cell infiltration in the subject. In some embodiments, the administration of the bacterial composition induces MHC Class I upregulation at the tumor site. In some embodiments, the administration of the bacterial composition treats the cancer in the subject. In some embodiments, the administration augments a tumor microenvironment in the subject. In some embodiments, the cancer is a colorectal carcinoma.

[0003] In certain embodiments, provided herein are methods of treating a subject who has cancer, comprising administering to the subject a bacterial composition comprising *Bifidobacterium animalis ssp. lactis* (*e.g.*, a killed bacterium, a live bacterium and/or an attenuated bacterium). In some embodiments, the *Bifidobacterium animalis ssp. lactis* is *Bifidobacterium animalis ssp. lactis* Strain A (ATCC Deposit Number PTA-125097). In some embodiments, the *Bifidobacterium animalis ssp. lactis* is a strain comprising at least 99% sequence identity (*e.g.*, at least 99.5% sequence identity, at least 99.6% sequence identity, at

least 99.7% sequence identity, at least 99.8% sequence identity, at least 99.9% sequence identity) to the nucleotide sequence of the *Bifidobacterium animalis ssp. lactis* Strain A. In some embodiments, at least 50%, 60%, 70%, 80%, 85%, 90%, 90%, 91%, 92%, 93%, 94%, 95%, 96%, 97%, 98% or 99% of the bacteria in the bacterial composition are *Bifidobacterium animalis ssp. lactis*. In some embodiments, all or substantially all of the bacteria in the bacterial formulation are *Bifidobacterium animalis ssp. lactis*. In some embodiments, the bacterial formulation comprises at least 1×10^5 , 5×10^5 , 1×10^6 , 2×10^6 , 3×10^6 , 4×10^6 , 5×10^6 , 6×10^6 , 7×10^6 , 8×10^6 , 9×10^6 , 1×10^7 , 2×10^7 , 3×10^7 , 4×10^7 , 5×10^7 , 6×10^7 , 7×10^7 , 8×10^7 , 9×10^7 , 1×10^8 , 2×10^8 , 3×10^8 , 4×10^8 , 5×10^8 , 6×10^8 , 7×10^8 , 8×10^8 , 9×10^8 or 1×10^9 colony forming units of *Bifidobacterium animalis ssp. lactis*.

[0004] In certain embodiments, provided herein are bacterial compositions comprising *Bifidobacterium animalis ssp. lactis* (e.g., a killed bacterium, a live bacterium and/or an attenuated bacterium). In some embodiments, at least 50%, 60%, 70%, 80%, 85%, 90%, 90%, 91%, 92%, 93%, 94%, 95%, 96%, 97%, 98% or 99% of the bacteria in the bacterial composition are *Bifidobacterium animalis ssp. lactis*. In some embodiments, the *Bifidobacterium animalis ssp. lactis* is *Bifidobacterium animalis ssp. lactis* Strain A (ATCC Deposit Number PTA-125097). In some embodiments, the *Bifidobacterium animalis ssp. lactis* is a strain comprising at least 99% sequence identity (e.g., at least 99.5% sequence identity, at least 99.6% sequence identity, at least 99.7% sequence identity, at least 99.8% sequence identity, at least 99.9% sequence identity) to the nucleotide sequence of the *Bifidobacterium animalis ssp. lactis* Strain A. In some embodiments, all or substantially all of the bacteria in the bacterial formulation are *Bifidobacterium animalis ssp. lactis*. In some embodiments, the bacterial formulation comprises at least 1×10^5 , 5×10^5 , 1×10^6 , 2×10^6 , 3×10^6 , 4×10^6 , 5×10^6 , 6×10^6 , 7×10^6 , 8×10^6 , 9×10^6 , 1×10^7 , 2×10^7 , 3×10^7 , 4×10^7 , 5×10^7 , 6×10^7 , 7×10^7 , 8×10^7 , 9×10^7 , 1×10^8 , 2×10^8 , 3×10^8 , 4×10^8 , 5×10^8 , 6×10^8 , 7×10^8 , 8×10^8 , 9×10^8 or 1×10^9 colony forming units of *Bifidobacterium animalis ssp. lactis*. In some embodiments, the bacterial composition comprise at least one strain of *Bifidobacterium animalis ssp. lactis* having one gene comprising a nucleotide base change as identified in Table 6. In some embodiments, the bacterial composition comprise at least one strain of *Bifidobacterium animalis ssp. lactis* having 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, or 29, genes comprising a nucleotide base change as identified in Table 6. In some embodiments, the bacterial composition

comprise at least one strain of *Bifidobacterium animalis ssp. lactis* having genes comprising all the nucleotide base change as identified in Table 6.

[0005] In some embodiments, provided herein are pharmaceutically active biomasses (PhABs) derived from and/or comprising *Bifidobacterium animalis ssp. lactis* (e.g., *Bifidobacterium animalis ssp. lactis* Strain A (ATCC Deposit Number PTA-125097)). In some embodiments, the PhABs comprise whole cells, fractions of cells, supernatant from fermentation, fractions of supernatant and/or extracellular vesicles made from *Bifidobacterium animalis ssp. lactis* described herein. In some embodiments, the bacterial compositions provided herein comprise *Bifidobacterium animalis ssp. lactis* PhABs provided herein.

[0006] In some embodiments, the bacterial composition is administered orally, intravenously, intratumorally, or subcutaneously. In some embodiments, the bacterial composition is administered in 2 or more (e.g., 3 or more, 4 or more or 5 or more doses). In some embodiments, the administration to the subject of the two or more doses are separated by at least 1 hour, 2 hours, 3 hours, 4 hours, 5 hours, 6 hours, 7 hours, 8 hours, 9 hours, 10 hours, 11 hours, 12 hours, 13 hours, 14 hours, 15 hours, 16 hours, 17 hours, 18 hours, 1 day, 2 days, 3 days, 4 days, 5 days, 6 days, 7 days, 8 days, 9 days, 10 days, 11 days, 12 days, 13 days, 14 days, 15 days, 16 days, 17 days, 18 days, 19 days, 20 days or 21 days. In some embodiments, a second bacterium is administered as part of an ecological consortium.

[0007] In some embodiments, the method further comprises administering to the subject an antibiotic. In some embodiments, the method further comprises administering to the subject one or more other cancer therapies. In some embodiments, the other cancer therapy is the surgical removal of a tumor, the administration of a chemotherapeutic agent, the administration of radiation therapy, the administration of an antibiotic, the administration of a cancer immunotherapy (e.g., an immune checkpoint inhibitor, a cancer-specific antibody, a cancer vaccine, a primed antigen presenting cell, a cancer-specific T cell, a cancer-specific chimeric antigen receptor (CAR) T cell, an immune activating protein, an adjuvant), and/or the administration of another therapeutic bacterium.

[0008] In some embodiments, the subject is a mammal. In some embodiments, the subject is a human. In some embodiments, the subject is a non-human mammal (e.g., a dog, a cat, a cow, a horse, a pig, a donkey, a goat, a camel, a mouse, a rat, a guinea pig, a sheep, a llama, a monkey, a gorilla or a chimpanzee).

[0009] In certain embodiments, provided herein is A bioreactor comprising *Bifidobacterium animalis ssp. Lactis*.

BRIEF DESCRIPTION OF THE FIGURES

[0010] **Figure 1** shows inhibition of tumor growth (by volume) by the oral administration of *Bifidobacterium animalis ssp. lactis* Strain A in a mouse colorectal carcinoma model.

[0011] **Figure 2** shows that in a mouse colorectal carcinoma model, the efficacy of orally administered *Bifidobacterium animalis ssp. lactis* Strain A is comparable to that of intraperitoneally (i.p.) administered anti-PD-1.

[0012] **Figure 3** shows that in a mouse colorectal carcinoma model, the efficacy of orally administered *Bifidobacterium animalis ssp. lactis* Strain A is comparable to that of intraperitoneally (i.p.) administered anti-PD-1.

[0013] **Figure 4** shows that in a mouse colorectal carcinoma model, the efficacy of intratumorally *Bifidobacterium animalis ssp. lactis* Strain A is comparable to that of intraperitoneally (i.p.) administered anti-PD-1.

[0014] **Figure 5** shows that in a mouse melanoma model, treating tumor-inoculated mice with a combination of *Bifidobacterium animalis ssp. lactis* Strain A and anti-PD-L1 inhibits tumor growth in a manner superior to either *B. animalis ssp. lactis* Strain A or anti-PD-L1 alone.

[0015] **Figure 6A** shows the tumor volume prior to CD3+ immune cell infiltrate and MHC Class I expression analysis. **Figure 6A** shows inhibition of tumor growth (by volume) by the oral administration of *Bifidobacterium animalis ssp. lactis* Strain A in a mouse colorectal carcinoma model.

[0016] **Figure 6B** shows the infiltration of CD3+ immune cells was significantly increased in the *Bifidobacterium animalis ssp. lactis* Strain A group relative to the vehicle group.

[0017] **Figure 6C** shows that *Bifidobacterium animalis ssp. lactis* Strain A induced a striking upregulation of MHC Class I expression relative to the vehicle group.

[0018] **Figure 7** shows an overview of a phase 1/2 open-label study of the safety, tolerability and efficacy of a *Bifidobacterium animalis ssp. lactis* Strain A as an oral therapeutic in patients with metastatic colorectal carcinoma.

[0019] **Figure 8** shows that in a mouse colorectal carcinoma model, the efficacy of a triple combination of *Bifidobacterium animalis ssp. lactis* Strain A, anti-PD-1, and anti-CTLA4 is greater than that of the combination of anti-PD-1 and anti-CTLA4.

[0020] **Figure 9A** and **Figure 9B** show a comparison of in vitro signatures of three strains of *Bifidobacterium animalis ssp. lactis* (Strain A, Strain B, and Strain C) from a mouse dendritic cell assay. Strain A exhibits an immune profile with a decreased induction of pro-tumorigenic cytokines (IL-10, IL-1b, IL-6, IL-8, TNF α) compared to Strain B and Strain C. The cytokine values reported represent geometric mean summary of groups (n=3) across the assay.

DETAILED DESCRIPTION

General

[0021] In certain aspects, provided herein are bacterial compositions comprising *Bifidobacterium animalis ssp. lactis* and methods of treating cancer in a subject comprising administering to the subject a bacterial composition comprising *Bifidobacterium animalis ssp. lactis*.

Definitions

[0022] “Adjuvant” or “Adjuvant therapy” broadly refers to an agent that affects an immunological or physiological response in a patient or subject. For example, an adjuvant might increase the presence of an antigen over time or to an area of interest like a tumor, help absorb an antigen presenting cell antigen, activate macrophages and lymphocytes and support the production of cytokines. By changing an immune response, an adjuvant might permit a smaller dose of an immune interacting agent to increase the effectiveness or safety of a particular dose of the immune interacting agent. For example, an adjuvant might prevent T cell exhaustion and thus increase the effectiveness or safety of a particular immune interacting agent.

[0023] “Administration” broadly refers to a route of administration of a composition to a subject. Examples of routes of administration include oral administration, rectal administration, topical administration, inhalation (nasal) or injection. Administration by injection includes intravenous (IV), intramuscular (IM), intratumoral (IT) and subcutaneous (SC) administration. The pharmaceutical compositions described herein can be administered in any form by any effective route, including but not limited to intratumoral, oral, parenteral, enteral, intravenous,

intraperitoneal, topical, transdermal (*e.g.*, using any standard patch), intradermal, ophthalmic, (intra)nasally, local, non-oral, such as aerosol, inhalation, subcutaneous, intramuscular, buccal, sublingual, (trans)rectal, vaginal, intra-arterial, and intrathecal, transmucosal (*e.g.*, sublingual, lingual, (trans)buccal, (trans)urethral, vaginal (*e.g.*, trans- and perivaginally), intravesical, intrapulmonary, intraduodenal, intragastrical, and intrabronchial. In preferred embodiments, the pharmaceutical compositions described herein are administered orally, rectally, intratumorally, topically, intravesically, by injection into or adjacent to a draining lymph node, intravenously, by inhalation or aerosol, or subcutaneously.

[0024] As used herein, the term “antibody” may refer to both an intact antibody and an antigen binding fragment thereof. Intact antibodies are glycoproteins that include at least two heavy (H) chains and two light (L) chains inter-connected by disulfide bonds. Each heavy chain includes a heavy chain variable region (abbreviated herein as V_H) and a heavy chain constant region. Each light chain includes a light chain variable region (abbreviated herein as V_L) and a light chain constant region. The V_H and V_L regions can be further subdivided into regions of hypervariability, termed complementarity determining regions (CDR), interspersed with regions that are more conserved, termed framework regions (FR). Each V_H and V_L is composed of three CDRs and four FRs, arranged from amino-terminus to carboxy-terminus in the following order: FR1, CDR1, FR2, CDR2, FR3, CDR3, FR4. The variable regions of the heavy and light chains contain a binding domain that interacts with an antigen. The term “antibody” includes, for example, monoclonal antibodies, polyclonal antibodies, chimeric antibodies, humanized antibodies, human antibodies, multispecific antibodies (*e.g.*, bispecific antibodies), single-chain antibodies and antigen-binding antibody fragments.

[0025] The terms “antigen binding fragment” and “antigen-binding portion” of an antibody, as used herein, refers to one or more fragments of an antibody that retain the ability to bind to an antigen. Examples of binding fragments encompassed within the term “antigen-binding fragment” of an antibody include Fab, Fab', F(ab')₂, Fv, scFv, disulfide linked Fv, Fd, diabodies, single-chain antibodies, NANOBOBIES®, isolated CDRH3, and other antibody fragments that retain at least a portion of the variable region of an intact antibody. These antibody fragments can be obtained using conventional recombinant and/or enzymatic techniques and can be screened for antigen binding in the same manner as intact antibodies.

[0026] “Cancer” broadly refers to an uncontrolled, abnormal growth of a host’s own cells leading to invasion of surrounding tissue and potentially tissue distal to the initial site of abnormal cell growth in the host. Major classes include carcinomas which are cancers of the epithelial tissue (*e.g.*, skin, squamous cells); sarcomas which are cancers of the connective tissue (*e.g.*, bone, cartilage, fat, muscle, blood vessels, etc.); leukemias which are cancers of blood forming tissue (*e.g.*, bone marrow tissue); lymphomas and myelomas which are cancers of immune cells; and central nervous system cancers which include cancers from brain and spinal tissue. “Cancer(s),” “neoplasm(s),” and “tumor(s)” are used herein interchangeably. As used herein, “cancer” refers to all types of cancer or neoplasm or malignant tumors including leukemias, carcinomas and sarcomas, whether new or recurring. Specific examples of cancers are: carcinomas, sarcomas, myelomas, leukemias, lymphomas and mixed type tumors. Non-limiting examples of cancers are new or recurring cancers of the brain, melanoma, bladder, breast, cervix, colon, head and neck, kidney, lung, non-small cell lung, mesothelioma, ovary, prostate, sarcoma, stomach, uterus and medulloblastoma. Pediatric and adult tumors include, but not limited to, those of bladder, brain, breast, bone, cervix, colon, connective tissue, fat, head and neck, kidney, liver, lung, mesothelium, melanocytes (melanoma), muscle, ovary, pancreas, prostate, stomach, small intestine, and uterus

[0027] The term “decrease” or “deplete” means a change, such that the difference is, depending on circumstances, at least 10%, 20%, 30%, 40%, 50%, 60%, 70%, 80%, 90%, 1/100, 1/1000, 1/10,000, 1/100,000, 1/1,000,000 or undetectable after treatment when compared to a pre-treatment state.

[0028] The term “ecological consortium” is a group of bacteria which trades metabolites and positively co-regulates one another, in contrast to two bacteria which induce host synergy through activating complementary host pathways for improved efficacy.

[0029] The term “epitope” means a protein determinant capable of specific binding to an antibody. Epitopes usually consist of chemically active surface groupings of molecules such as amino acids or sugar side chains. Certain epitopes can be defined by a particular sequence of amino acids to which an antibody is capable of binding.

[0030] The term “gene” is used broadly to refer to any nucleic acid associated with a biological function. The term “gene” applies to a specific genomic sequence, as well as to a cDNA or an mRNA encoded by that genomic sequence.

[0031] “Identity” as between nucleic acid sequences of two nucleic acid molecules can be determined as a percentage of identity using known computer algorithms such as the “FASTA” program, using for example, the default parameters as in Pearson *et al.* (1988) Proc. Natl. Acad. Sci. USA 85:2444 (other programs include the GCG program package (Devereux, J., *et al.*, Nucleic Acids Research 12(I):387 (1984)), BLASTP, BLASTN, FASTA Atschul, S. F., *et al.*, J Molec Biol 215:403 (1990); Guide to Huge Computers, Mrtin J. Bishop, ed., Academic Press, San Diego, 1994, and Carillo *et al.* (1988) SIAM J Applied Math 48:1073). For example, the BLAST function of the National Center for Biotechnology Information database can be used to determine identity. Other commercially or publicly available programs include, DNASTar “MegAlign” program (Madison, Wis.) and the University of Wisconsin Genetics Computer Group (UWG) “Gap” program (Madison Wis.)).

[0032] “Immunotherapy” is treatment that uses a subject’s immune system to treat cancer and includes, for example, checkpoint inhibitors, cancer vaccines, cytokines, cell therapy, CAR-T cells, and dendritic cell therapy.

[0033] The term “increase” means a change, such that the difference is, depending on circumstances, at least 10%, 20%, 30%, 40%, 50%, 60%, 70%, 80%, 90%, 2-fold, 4-fold, 10-fold, 100-fold, 10^3 fold, 10^4 fold, 10^5 fold, 10^6 fold, and/or 10^7 fold greater after treatment when compared to a pre-treatment state. Properties that may be increased include immune cells, bacterial cells, stromal cells, myeloid derived suppressor cells, fibroblasts, metabolites, and cytokines.

[0034] “Innate immune agonists” or “immuno-adjuvants” are small molecules, proteins, or other agents that specifically target innate immune receptors including Toll-Like Receptors, NOD receptors, STING Pathway components. For example, LPS is a TLR-4 agonist that is bacterially derived or synthesized and aluminum can be used as an immune stimulating adjuvant. immuno-adjuvants are a specific class of broader adjuvant or adjuvant therapy.

[0035] The term “isolated” or “enriched” encompasses a microbe, bacteria or other entity or substance that has been (1) separated from at least some of the components with which it was associated when initially produced (whether in nature or in an experimental setting), and/or (2) produced, prepared, purified, and/or manufactured by the hand of man. Isolated microbes may be separated from at least about 10%, about 20%, about 30%, about 40%, about 50%, about 60%, about 70%, about 80%, about 90%, or more of the other components with which they were

initially associated. In some embodiments, isolated microbes are more than about 80%, about 85%, about 90%, about 91%, about 92%, about 93%, about 94%, about 95%, about 96%, about 97%, about 98%, about 99%, or more than about 99% pure. As used herein, a substance is “pure” if it is substantially free of other components. The terms “purify,” “purifying” and “purified” refer to a microbe or other material that has been separated from at least some of the components with which it was associated either when initially produced or generated (*e.g.*, whether in nature or in an experimental setting), or during any time after its initial production. A microbe or a microbial population may be considered purified if it is isolated at or after production, such as from a material or environment containing the microbe or microbial population, and a purified microbe or microbial population may contain other materials up to about 10%, about 20%, about 30%, about 40%, about 50%, about 60%, about 70%, about 80%, about 90%, or above about 90% and still be considered “isolated.” In some embodiments, purified microbes or microbial population are more than about 80%, about 85%, about 90%, about 91%, about 92%, about 93%, about 94%, about 95%, about 96%, about 97%, about 98%, about 99%, or more than about 99% pure. In the instance of microbial compositions provided herein, the one or more microbial types present in the composition can be independently purified from one or more other microbes produced and/or present in the material or environment containing the microbial type. Microbial compositions and the microbial components thereof are generally purified from residual habitat products.

[0036] As used herein, a gene is “overexpressed” in a bacteria if it is expressed at a higher level in an engineered bacteria under at least some conditions than it is expressed by a wild-type bacteria of the same species under the same conditions. Similarly, a gene is “underexpressed” in a bacteria if it is expressed at a lower level in an engineered bacteria under at least some conditions than it is expressed by a wild-type bacteria of the same species under the same conditions.

[0037] The terms “polynucleotide” and “nucleic acid” are used interchangeably. They refer to a polymeric form of nucleotides of any length, either deoxyribonucleotides or ribonucleotides, or analogs thereof. Polynucleotides may have any three-dimensional structure, and may perform any function. The following are non-limiting examples of polynucleotides: coding or non-coding regions of a gene or gene fragment, loci (locus) defined from linkage analysis, exons, introns, messenger RNA (mRNA), transfer RNA, ribosomal RNA, ribozymes,

cDNA, recombinant polynucleotides, branched polynucleotides, plasmids, vectors, isolated DNA of any sequence, isolated RNA of any sequence, nucleic acid probes, and primers. A polynucleotide may comprise modified nucleotides, such as methylated nucleotides and nucleotide analogs. If present, modifications to the nucleotide structure may be imparted before or after assembly of the polymer. A polynucleotide may be further modified, such as by conjugation with a labeling component. In all nucleic acid sequences provided herein, U nucleotides are interchangeable with T nucleotides.

[0038] “Operational taxonomic units” and “OTU(s)” refer to a terminal leaf in a phylogenetic tree and is defined by a nucleic acid sequence, e.g., the entire genome, or a specific genetic sequence, and all sequences that share sequence identity to this nucleic acid sequence at the level of species. In some embodiments the specific genetic sequence may be the 16S sequence or a portion of the 16S sequence. In other embodiments, the entire genomes of two entities are sequenced and compared. In another embodiment, select regions such as multilocus sequence tags (MLST), specific genes, or sets of genes may be genetically compared. For 16S, OTUs that share $\geq 97\%$ average nucleotide identity across the entire 16S or some variable region of the 16S are considered the same OTU. See e.g. Claesson MJ, Wang Q, O’Sullivan O, Greene-Diniz R, Cole JR, Ross RP, and O’Toole PW. 2010. Comparison of two next-generation sequencing technologies for resolving highly complex microbiota composition using tandem variable 16S rRNA gene regions. *Nucleic Acids Res* 38: e200. Konstantinidis KT, Ramette A, and Tiedje JM. 2006. The bacterial species definition in the genomic era. *Philos Trans R Soc Lond B Biol Sci* 361: 1929–1940. For complete genomes, MLSTs, specific genes, other than 16S, or sets of genes OTUs that share $\geq 95\%$ average nucleotide identity are considered the same OTU. See e.g., Achtman M, and Wagner M. 2008. Microbial diversity and the genetic nature of microbial species. *Nat. Rev. Microbiol.* 6: 431–440. Konstantinidis KT, Ramette A, and Tiedje JM. 2006. The bacterial species definition in the genomic era. *Philos Trans R Soc Lond B Biol Sci* 361: 1929–1940. OTUs are frequently defined by comparing sequences between organisms. Generally, sequences with less than 95% sequence identity are not considered to form part of the same OTU. OTUs may also be characterized by any combination of nucleotide markers or genes, in particular highly conserved genes (e.g., “house-keeping” genes), or a combination thereof. Operational Taxonomic Units (OTUs) with taxonomic assignments made to, e.g., genus, species, and phylogenetic clade are provided herein.

[0039] As used herein, “specific binding” refers to the ability of an antibody to bind to a predetermined antigen or the ability of a polypeptide to bind to its predetermined binding partner. Typically, an antibody or polypeptide specifically binds to its predetermined antigen or binding partner with an affinity corresponding to a K_D of about 10^{-7} M or less, and binds to the predetermined antigen/binding partner with an affinity (as expressed by K_D) that is at least 10 fold less, at least 100 fold less or at least 1000 fold less than its affinity for binding to a non-specific and unrelated antigen/binding partner (*e.g.*, BSA, casein). Alternatively, specific binding applies more broadly to a two component system where one component is a protein, lipid, or carbohydrate or combination thereof and engages with the second component which is a protein, lipid, carbohydrate or combination thereof in a specific way.

[0040] The terms “subject” or “patient” refers to any animal. A subject or a patient described as “in need thereof” refers to one in need of a treatment for a disease. Mammals (*i.e.*, mammalian animals) include humans, laboratory animals (*e.g.*, primates, rats, mice), livestock (*e.g.*, cows, sheep, goats, pigs), and household pets (*e.g.*, dogs, cats, rodents). For example, the subject may be a non-human mammal including but not limited to of a dog, a cat, a cow, a horse, a pig, a donkey, a goat, a camel, a mouse, a rat, a guinea pig, a sheep, a llama, a monkey, a gorilla or a chimpanzee. The subject or patient may be healthy, or may be suffering from a neoplasm at any developmental stage, wherein any of the stages are either caused by or opportunistically supported of a cancer associated or causative pathogen, or may be at risk of developing a neoplasm, or transmitting to others a cancer associated or cancer causative pathogen. In some embodiments patients have lung cancer, bladder cancer, prostate cancer, ovarian cancer, and/or melanoma. The patients may have tumors that show enhanced macropinocytosis with the underlying genomics of this process including Ras activation. In other embodiments patients suffer from other cancers. In some embodiments, the subject has undergone a cancer therapy.

[0041] “Strain” refers to a member of a bacterial species with a genetic signature such that it may be differentiated from closely-related members of the same bacterial species. The genetic signature may be the absence of all or part of at least one gene, the absence of all or part of at least one regulatory region (*e.g.*, a promoter, a terminator, a riboswitch, a ribosome binding site), the absence (“curing”) of at least one native plasmid, the presence of at least one recombinant gene, the presence of at least one mutated gene, the presence of at least one foreign

gene (a gene derived from another species), the presence at least one mutated regulatory region (*e.g.*, a promoter, a terminator, a riboswitch, a ribosome binding site), the presence of at least one non-native plasmid, the presence of at least one antibiotic resistance cassette, or a combination thereof. Genetic signatures between different strains may be identified by PCR amplification optionally followed by DNA sequencing of the genomic region(s) of interest or of the whole genome. In the case in which one strain (compared with another of the same species) has gained or lost antibiotic resistance or gained or lost a biosynthetic capability (such as an auxotrophic strain), strains may be differentiated by selection or counter-selection using an antibiotic or nutrient/metabolite, respectively.

[0042] As used herein, the term “treating” a disease in a subject or “treating” a subject having or suspected of having a disease refers to subjecting the subject to a pharmaceutical treatment, *e.g.*, the administration of one or more agents, such that at least one symptom of the disease is decreased or prevented from worsening. Thus, in one embodiment, “treating” refers *inter alia* to delaying progression, expediting remission, inducing remission, augmenting remission, speeding recovery, increasing efficacy of or decreasing resistance to alternative therapeutics, or a combination thereof. In certain embodiments, a cancer is treated if the subject experiences a reduction in tumor size, a reduced number of tumors, a reduction in tumor growth, a reduction in cancer metastasis and/or a reduced number of total cancer cells following treatment than would be expected in the absence of treatment.

Bacteria

[0043] In certain aspects, provided herein are bacterial compositions comprising *Bifidobacterium animalis ssp. lactis* (*e.g.*, an effective amount of *Bifidobacterium animalis ssp. lactis*) and methods of using a bacterial composition comprising *Bifidobacterium animalis ssp. lactis*. In some embodiments, the *Bifidobacterium animalis ssp. lactis* is *Bifidobacterium animalis ssp. lactis* Strain A (ATCC Deposit Number PTA-125097). In some embodiments, the bacterial composition comprise a PhAB made from or comprising a *Bifidobacterium animalis ssp. lactis* described herein. In some embodiments, the *Bifidobacterium animalis ssp. lactis* is a strain comprising at least 99% sequence identity (*e.g.*, at least 99.5% sequence identity, at least 99.6% sequence identity, at least 99.7% sequence identity, at least 99.8% sequence identity, at

least 99.9% sequence identity) to the nucleotide sequence of the *Bifidobacterium animalis ssp. lactis* Strain A.

[0044] Under the terms of the Budapest Treaty on the International Recognition of the Deposit of Microorganisms for the Purpose of Patent Procedure, the *Bifidobacterium animalis ssp. Lactis* Strain A was deposited on April 27, 2018, with the American Type Culture Collection (ATCC) of 10801 University Boulevard, Manassas, Va. 20110-2209 USA and was assigned ATCC Accession Number PTA-125097.

[0045] Applicant represents that the ATCC is a depository affording permanence of the deposit and ready accessibility thereto by the public if a patent is granted. All restrictions on the availability to the public of the material so deposited will be irrevocably removed upon the granting of a patent. The material will be available during the pendency of the patent application to one determined by the Commissioner to be entitled thereto under 37 CFR 1.14 and 35 U.S.C. 122. The deposited material will be maintained with all the care necessary to keep it viable and uncontaminated for a period of at least five years after the most recent request for the furnishing of a sample of the deposited plasmid, and in any case, for a period of at least thirty (30) years after the date of deposit or for the enforceable life of the patent, whichever period is longer. Applicant acknowledges its duty to replace the deposit should the depository be unable to furnish a sample when requested due to the condition of the deposit.

[0046] In some embodiments, the bacteria described herein are modified to improve colonization and/or engraftment in the mammalian gastrointestinal tract (*e.g.*, modified metabolism, such as improved mucin degradation, enhanced competition profile, increased motility, increased adhesion to gut epithelial cells, modified chemotaxis). In some embodiments, the bacteria described herein are modified to enhance their immunomodulatory and/or therapeutic effect (*e.g.*, either alone or in combination with another therapeutic agent). In some embodiments, the bacteria described herein are modified to enhance immune activation (*e.g.*, through modified production of polysaccharides, pili, fimbriae, adhesins, outer membrane vesicles). In some embodiments, the bacteria described herein are modified to improve bacterial manufacturing (*e.g.*, higher oxygen tolerance, improved freeze-thaw tolerance, shorter generation times).

[0047] In certain embodiments, the *Bifidobacterium animalis ssp. lactis* is grown in Reinforced Clostridium medium (RCM medium) (ATCC 2107 or medium from other

manufacturer), Lactobacilli MRS medium (LMRS medium), and/or Bifido agar. Alternatively, *Bifidobacterium animalis ssp. lactis* is grown using RCM medium ATCC 1053 and/or Trypticase soy agar/broth with defibrinated sheep blood ATCC 260 per the manufacturer's instructions.

[0048] The nucleotide sequence of the *Bifidobacterium animalis ssp. lactis* Strain A is shown in Table 1.

Table 1: Nucleotide sequence of the *Bifidobacterium animalis ssp. lactis* Strain A:

Nucleotide Sequence
>1 length=1944302 depth=1.00x circular=true CAACGATGCCTCATCCACAGCAGCCAACTCAAAGACATCCTTACACACTAACCTGAGAAGAGCCAACAAA GGCATCCCATTCGACGCGCATCGCAGGCTTCCACGTCGACGGCGACGAGCAACGACTCGCCATGCTGCATC TGCGCGGCGAACTGTCGATCGACAGCAATATGAAACGCTGCTGCTGATTCTGTCGAACGAGCAGCTGGC AGGGGGCCGTATACCCGACCGCGTAGTCTCAATGCGGTGCCGCTCATTCCCGTACGTATACAGTCGGGG TCGGATTTTTCGGATTGGCCTGCCGGTCAGTGCGATTACTGGGCGGAGCGCATAGGCAACTATGTGCTCA CCCAATCCACCCGCAAATCGATGGAGGGACTCGACGACTTCCAGACGCGACGAGCCCGCATTCTGCGCAG CCCAAGCTCACGCCAGTTCGGTTGACGCGCGTGATCGGCGAACTTGAGAAGCTGACGCCGCGAGTTCTTG CAATTGCGGCAGCACCAGATCGTCGAGCTGATCGCACAGGCGTGGAACATCAATCCGGGGGAGCTGGGAT CCTTGCGAGAGCCGACGGGGCAGTCCGATCGCACAGGCACATCCGCGCATCGCAGTCGACGCACGTCGAA GCGTGTGACGGTGGGCGAAGTGGTGCGCGCCGGTCTGCTCACGGTGGGGGACCGATTCTGATGGAACCGC CCACGCAAGCAGAGATCTGGCGTATACCGTCACCGAGTCTGGGTTCCGGGGCGAGGACGGCACCGAAT ATGCGACGCCGACGTCCGCCGCCCGCGCCATCGGAGGTTCTCGGCGAGCCTGAACGTATGGAAGCGGGA ATCCGACGGCCGTGCATTGAGCGATATCTGGAAGACCTATCGCACCTCGATGTGATGGTCATGGATGTGA CGGTCATGCGACGTCAGCCATTGATGGCGAGCTTCGTGCGGTTTCGAGATGTGCGTCTTCGCCAGAATGC CGCTGATGCGGTTGCGCACGGTGCCCTCGCTCAGGAACAGCTTCGCCGCAATCTCACGATTGTCGAGCTC CTCGGCGACAGCTCGACGATGTCTATGCTCCCGTTCGGTGAGATGCGCGAATCTGGGATCATCCGGTAAT GGGGACGCCTTTGGTTCTCCACATTCCCGGACGCATCGTGATCGGCAGGTTGCGCAGCAGTCCGCGC CCAACACCACCTGCCCGGCCATGACCGCCTGCACTGCTGGAATACCGAAGCCACGTCTGTTTGATGAG ATAGCCTTTCTGTCCTCAATTCGATGGCACGGCGAATGTACTCCGGGTCGGCGAAAGTGGTGAGCACGAGA ATGCGCTCGTGGCTTCAAGGCCGTCGGTGCCCGGCATCTGCACGTCGATGAGCAACACATCCGGTTTCT GACGTGCATAGGCCACCACGGCGGCGGCCCGTCATGCGCAGTCCACACGACCTCGGCGGTGCCGGTGGT CGTGAGGATCGTGCCGATGGACGAGCAGACAATAGGGTCATCGTCAACAATCGCGACCTTCATCGCATAT TCCTTTCCGCTGTTTTCGGGACGGACATGAACACGCGCCAGCCGCCGTTATGGTAGCCGAGGTGGCTGT GCCATCCAATGCGCGCGCCCGTTCTCGATGTGCGGCGATTCCAATGCCCATGCTCGCCACGCGGCCGCGT TCCGGTACGCCGCCGTTGCCCTGCACGATCAGCTGCCACAACCCCGGCAAATCAATCAGATGCACGTGGG CCTCAGAAGCTGCGCTATGCCGGATTGTGTTCTGTAACGCTCCGCGAATCACGGCCGTGAATGCATGTGC CACATGGGAAGGCACGGCATCGATGGCATTGGAGAGGCGAATCTCGACATCAGATTGCTTGGCGGTGGCC ATGGCATCCTCGACCATCGCCGAAAATCAGTGCCCTTCGTCTTTGAGACCATGCACGGATTTGCGAATCA TCGTATCGCCTCGTCGAGGGTATGACCAAGCTGCCGGAATTGATCGGCATGCAGCGTGTACCGGTGCT GGTGGCAATCACTGGTCCGATTCTGTCAGCATGATCGCACGAGTGAGCAGATGTCCACATTGTCGTGG ATCTCGCGTGCGATGCGTGTGCGTTCCGGTGAAGCGCGCATGCTGCAGGTCCGCCGACCTGGCGGATTGCA CATCGGCGAGACGAGCGCGGAACGGCGGATACGTTCCCGTTGGTCTGTCTGCCAACGATTGGAAGCACCG TTGTCTTCTGTCGCGAGTGCGAATACCCAGCCGCCGAGAACTGCGAGGGAGGTGAGCGCACATAGAATC CAAAGGGCCATCACGAGCGGCGAGGTGGCTGCGGCTGACAGATCGTGCAATGCCGGACTGTGCTGACCGG

15

CGGTGATCGCGGATCTTACCGGCAATGCCGACGCCTACCCGAGATCGCCATCGCCGAGGACCCGGCAGG
 GACCGACGACCGGGAGGCGAACGGACGGTACGCGTTCCAGACGATGATGGACATGGGAGCCTATCCGATG
 GTCGCGGCAATGTTACGATACCGCAATGACGATGGGATCGTTCTCGGGGGCAAGGGTACGCAGACGCA
 TGTATGCCTCACCGCAACGCACCGGTTGATGCTGTTCCAGCAGTTCGCTGTTGTGGCTTGTTCGGTGT
 GCTCGTGAGCCTGTTCTATCTGGCGCTCGCCCTGGCTCTTCCGGTGGCGGCCGGCTTGCCGATCACCGGC
 GTCGACCCGAGGGGATTCTACTGTGCGCATTGACGATGGTGCCTATAGTCTCACGGCCGCGGCCAGTG
 GCTTCATGGTGAGCATGATCGCCGTCAACAGTGCGGCAATCAACGCGATCGCCAATGTGTATGGTCTGGT
 CATCATGTTACCTCGGGCATGGCGTTCGGTGGATCTGATGCCCAAGGTGATGATCGTCATAGGCAAA
 TGCACCCCGGGTTGGTGGTTCTGCCGGTCGATACGCGCCGCGATGAATCCGAAGGCACCGTGAGCGTAT
 CCAACTGGTTCGGGGTATTGCGTTGGTGTCTGTTCCGGCTGGCGTTCATCGCATTGGGACTCGCCTT
 GTCGAGATGCGCCGTCTGCGCCGAATCTTGCGGCTCCGGCCTCGACCCAATTGGCCGAGGTCTAGCGA
 AACAGGCGAGGGCATATCTGAGGGGCGAGGGCGCTTCGTCAAGGTGTCTGCGCGCTACGCGCGTAGCACG
 CTCCTCAGCGCCGTGCCCTCAGATATGCCCTCGCTGAACCGGAGCGTGTGAGGCGACGTACATCGCC
 GCAGGGTAGGAGAGATGGTTGATCTCAGGCAGTTGGTCGACCGTCACATAGCCTGCCGGCGCATTGAGCA
 CATTGGGGATGCGGTTGACCATCGTGCGCGCAGGTGTGCTCCACAGTCGCTGGTTTGACCACATGGAATTC
 GGTGTGCGGTTGCGCTTCGATTCTCCAATCGCACATATCGCCGTGTCGCGGCCATACACCTTGCCGATG
 CATGAGGTCTCGATGGTGAGTCCCTGCATCGTCTCGGTGTCGACGACCGCCGACATGCCGATGCACACCC
 CCGCCGGAATCGTCTCGCCATCGTCTCCGAATACACATCGACATCGCTGAAGTAAGGCACCGCACGCTG
 CGTCTGCGACTTGATCGTCAGTCCGAGCCTCTGCACCAGCGATTCAATTGGAGTTCCACACGTATGACGGC
 ACCACCTCGTCGGGATGCGCCAGCTGCTCCTCGAACTGCTCGGCCGTAAGACCCACGCCGTGCGCTTTGG
 CAAGCGCCAGGCCGTAATCCTCGACATTGTAGCTGGTGGCGCCGCTGATCTTGTGTCATCGAATTGACCC
 GCCTGCCACCTGGGCCACCATGTTGATCCAGAAGATGTCTGATCCCCGAGCCGACCATGGTGGCGCCG
 TTCTCCTTGCGGATGCGGTGAGGCGGTTGGTCACGGCCGGATTGTCGTCACCGGGTAGATCGCCTCCT
 CGCAGGTGGTGATCACGCTGATGCCGCGGAGAGACATGCCTCGCACATCGGTTGATGTCGTCATGAA
 GCTGAACAGCGTGACGACCGCAATGTCCGCATCGCATGAGTCGAGCACGGCGTCGGCGTCATCGCTGATC
 GTCACGTTGAGCGGTCCGATTCCGGCGAACTCGCCGACATCCATGCCACCACGTGCGGGTTACATCGA
 TGGCACCCACAATCTGCATGCCTTTGTCATGCATGTACCTGACGGTGTACTTGGCCATCTTGCCGAGCC
 GAATTGGATTGCGCGAATAGGTTCCATAACCACTCCTTTGCTTGACGGCCATCACGCCTCGTTGCGTGTG
 CGGGCCGTGCTCCACTATAGCGGACGAAACCCCGCGGCGTCCGGCTTCGCGGAACCTCCATAATCGG
 CAGGCCGTGTCGGAATACCTGCGTTCCATGGCTGTTGCCTACAATGAGTGAAGATGCATATGCTCCAG
 CCGGCTTTCAGCCTCCTCTGGGGGTATTCCCTGCACGAACAGCCTATACTGTTAGCACATACGACAGAAG
 GAACGAACATGACTTATGGGCAGCAGCCTATGAACGGCTCGCCATATGGCCAGCAACCATATGGGCAGCA
 ACCGATGAACTATGCCAACACGATCAATGTTCCAGGCCTCGCAGTCATACGAGCGCGCCGAGCATGTCTCG
 GTGACGCGCGCATACGGCGAGATGTGCCTGGGCCTGCTCGTACCGCCGCCATGGCGATCTTACGCAGA
 TGAGCGGCTTACATGCGCTTCTGCAGGCTACGGGCGGCATGGGCATGTGGATCTCGCCATCGTCTGA
 GATCGGTCTGGCCATATATCTGGGCATGCGCGTGATGAAGATGTCCACCACGGCCCGCGGTGTGCTTC
 TACGTGTATGCGGCGCTGATGGGCGTCACGCTGAGCACCATCTTCTGGCCTACGATCTGGGCACCATCG
 GCATCGCATTCTGGTGAGCGCGGCTTCTACTTCGCACTACCATGTTGCGTCTGACCACGAAGGGCAA
 CATGCTCAAGGCGGGTCCGATCCTCATGATCGCACTGGTCTGCTCATCATCGCCGAGGTGATCATGATG
 TTCGTGGCGCCGAGCAACACGATGCTCAAGGTGGTCAACGCAATCGGCATCCTGCTGTTGCGAGGACTGA
 CGATCTATGACGCGCAGTTCACGAAGAAGGCGTTCGCCGTCTATGCCTCGCAGGGACCGGAGGCAATCAA
 GAAGATCTCCATCCTGTGCGCGCTGAACCTGTACCTCGACTTCATCAACCTGTTCTGTACATTCTGCA
 GCGCTTGGATTGAGCCGCGATTAGAACCGACAGGTTCCGTCCGGGCACTCCCAACAGATGGGGCGACCGT
 GGAAACACGGTCGCCCCATCTGTTTTCCGTGCGGAAGCTCACTGCCCCCTTGAGCGTCGCATTGCGAATC
 GGGGAGTCTCATTGCGGGTGGTGCCTCGCCACCCTGCGGTGCGCCGTTGATGTGCGGATGAATCGTCT
 GCATCTGCGTCTCCACGTTCTGCAATGCACGCGCGCAGTCCAGCAGCGTCTGTGAATGCTCGGCGTGCTT
 GTCGTGCGGCAGATCGGTCTTGTAGCGCAGCGCATGCTCCAGACTCGCCAGTAGTCCATCGCGATCGTG

CGGAACTGCACTTCGACCGGCGTGTAATGCGCGCCGCTCGACAGGAACACCGGCACCGCATAGATCACAT
 GCAGCGAGCGGTAGCCGTTCTGCTTGGGGTTGCGTATGTAATCCTTCACGCGCAGCACCTGAATGTCCGA
 TTGCGCCGAGAGGTAATTCGCCACCGAATACACGTCGTCCCGGTAATTGCAGATCACGCGTATGCCAGCG
 ACGTCGAACAGGTTGTCACGAATCGCTCCACCGTATAGGGAAGGCCACGTCGGTCGAGTTTGCCAGAA
 TAGATTGCGTTGATTTCAATCTGCGTTGAGGTTGGTGGATTGGATTATGAGAGAACTGCACCTGAAATTC
 GGAGTCGAGAATCTCGAGTTTCGTGCTGATCTCGTACATCGCACCTTCGTAGATCTGCATCTGGTTGATG
 AAATCGGTAATCAGGTCGACGCCCCGTTCCCCCTCTCGGTGCCGTCCAATCCGAGCGAATGCCCGGCCG
 CCGTCAGGCGGGCGCGGATCTCCGCGGTGTTTCATCCGTTTCTGTCTGTCGAGTATCACATTGCCATTGTA
 GAAAACGAGAGCGAACACGCGTGCGGAATCCACGTCCGGGCGACCCACTGTGCCGAGCTTCGGTTAGCA
 TGGCCTCTATGAACGAAGACATGATGACGCTGAGGAACGCCGCACGAACATATCGCAAGCACAGCATAC
 GACGCAGGTCGAGCCCCGCGCCCCGCAGTACGGGGGAGCATCCGGCCGTGGTTCGCGGTCTGTATTATGTG
 CACACGCTTGGCTGCCAGATGAACGTGCACGATTCCGAGCGCATCGCGGGCGTGATGGAGGAGAACGGCT
 ACCGCCCGGCGAGCGAGGAGCAGTTCCTGGCGCACGATGTCGACGTCGTGATCATGAACACGTGCGCGGT
 GCGAGAGAATGCCACAGAACGCATGTATGGCACCATCGGCAAATGGAAGCGTTTCAAATACAGGAACCCG
 CATGCCCAGATCGCCATCGGCGGCTGCATGGCGCAACTCGACCGCGAACGCATCGCCAAACGTACGCCAT
 GGGTGGATGCCGTGTTGCGCACGAAGAACATAGAGGACCTTCCGCAATTGCTCGATCAGGCCCGTGACGC
 GCAACACACACAGGTGAAGGTGAACGAGGATCTACGCTCTTCCCGAGCCAGCTGCCCGCACACCGCGCC
 TCCGCCATTCCGCATGGGTGGCCATCTCGATGGGGTGCAACAACACGTGCACCTTCTGCATCGTGCCCA
 CCACCCGTGGCAAGGAGCGCGACCGCAGACCGGGCGACGTAATCGCCGAGATCCGCGAGACGGTGACGAA
 CGGGGCGAAGGAGATCACGCTGCTGGGGCAGAATGTGAACTCGTATGGCTATGGCATAGGCGACCGCTAT
 GCGTTCTCAAGCTGCTGCGCGCCTGTGGCGAGATCGAGGGACTGGAGCGCGTGCGGTTACCTCGCCCC
 ACCCGGCGGCATTACCGACGACGTGATCGCCGCGATGGCCGAGACCCCAATGTGATGCATCAGCTGCA
 TTTCCCGCTGCAATCCGGATCCGACCGCATCTTGCAGCGCCATGCGCCGCTCATACCGTTCCGAGAGGTTT
 CTGGGCATTCTCGCAAGATTCTGTGAGGCGATGCCGGATGCACAGATCTCCACCGACATCATCGTCGGCT
 TCCCGGGCGAGACGGAGGAGATTTCAGCAGACCCTGCGCGTGTTGAGGAAGCCAGATTCTCGTCGGC
 CTTCACGTTCTATTTCGCCGCGGCCCGGCACGCCCCGAGCCGCAATGGAACAGGTGCCCTATGACGTG
 GCCCTCGACAGGCTCGAACGTCTGCTCGCCGTGACGAGCGCATTACCGAGGAGATTCTCGAGAAGTTCTG
 TGGGCGGTGACGTGAGGTGATGATCACCGGTGTGACCGGGAAGAAGGATGCCGAGACGCACCGCTACAC
 CGGTGCGGAGAAAACCGGCGTGCTGGTGCATGTGGGGGTGCCCGAAGGGCATGATGCACCGCAGATCGGT
 GATTCGTCACTGCCACCGTCACCCATGCTGGCCGTATAACCTGATTGCAGACCCCGATCTCGCCAAAG
 GACAGACCTATGCCATCCGACGAGTTGAGCGCCATGACGGCGCGCGTGATCTCGATCGTCGGCCCCA
 CCGCCTCTGGGAAAACCTGGCCTGGGCATCGCGATCGCCCGGAGACTCGCCGATCGTGGTGAACGTGCCGA
 GATAGTGAATGCCGACGCTACAGATGTACCGCGCATGGATATCGGCACCGCGAAGGCGAGCGACGAG
 GAACGTGCGGCGGTACGGCATCATCTGCTCGACGTGATTGAGCCGAGCGAGACGATGTCTGTGCGGAGGT
 TCCAACAGATGGCGCGTGAAACCATCGCCGATCTCAAGTCGCGTGGCATAACGGCCGATTCTGGTGGTGG
 CTCCGGCCTGTACGCCCGTGCGGCCATCGACGACATCTCCTTCCCGGGCACCGACCCGAGATTGGGGAG
 CATCTGGAGGAGCGTGAGCGAACCGAGGGAGCCACGGCATTGTTCCGCGAGTTGGCGGTCAAGGATCCGC
 AGGCGGCCGAGCATATGGATCCGCGCAATCCCCGTGCGCATATTGCGGCACTCGAAGTGATCGAGGTGAC
 CGGCAAACCGTATTGGGCCAGTTGCCCGGTACCGTTATGTGATTCCGTGCGTGAATTGGGGCTCGAC
 CTTGACCGTGCCGATCTGGACAAGCGCATTGACGTGCGCACGAGGCGAGATGTTGACGGGGGCTTCGTGG
 ATGAGGTGGCGCGTCTGCGTTCCATCTGGGGCCAACCGCAGCCCGTGCGCTCGGCTACAGCAGGTGAT
 CGACCATCTCGATGGTCTGGTCGATTGGACGACACCATGGCAGACATCGCGCAGAAGACCAAGCGCCTC
 GCGCGCAAGCAAATGGGATGGTTCGGCCGAGACCCACGCATCCACTGGCTCTCGGCATTGAACCCGGCTC
 TGGTGCACAATGCGATGGCGGTGATCGACCACGCCGACGCCGGCGACTACGATGCCATCGACATGCATGC
 ACAGGAATATGTGAGCATCATCTGGGCGATATTGCGCGGCCGTCTGGTGCGGGACCGGTCTGAGGTAGA
 ATTCAACCGTTATGGCACAATCATCTTCAAATCATCGAAGGGCAGGACCGCCGTTCTCTCCGGCGG
 CGGGACGGGGTACGTGACGTTCCGCGCAGAGTTCACAGGGTGGTGCAGCGAACCAAGGAGCGGAACCG

TTCTGGCACAAGGCATTGCTATGTGTGCCACGGGCGTTTCGGCTCTGCCGTGCGTAAGGTGAGCGTGGGGG
 AGTACGACCCGGCGTATCGTCGGGATGGATTGTGCTTCGTATGATCATCCTCGCCGTGTTCTTCTGCGG
 GTCCGAATGGTTCCGCGTCGACGGAGCGCTCGGACGCGGGCTGCACTCGTTCGCCTCCGCGATCTTCGGT
 GTGATGAGCGTGGTGGTGCCGGTGCTGCTCATCGTGTGGCGATTGCGCTCATGCGCAACTCCGGCAAGC
 AATCCCAACACGCAGGTGATTGCCGGTGGAGTGATGTTGCTGTGGTCGATCTGCTCGATCATCGACGT
 GATCATGGCTGCGGACACGAAGGAGTTCTCCTGGCAGAACATTCAGCAGGCCGGCGGTCTGGTCGGTTTC
 GTCGTGCGATCACCTCTGGCATGGGGGCTCTCCAGACGTTGCAATCATCGTGTTCGTGCTGGCTGCGG
 TGTCTCCGTGCTGTTGATGACGCGCACCCATGTGACCGAGATTCCGCAGAAGCTGAGTAGATTCTCCCG
 GCGGGGATCTGCTGATTCCGCGGATGCGCAGCAGTCGGATCCCGAGGTGCGGCAGTTCTGAACGAGGTG
 CGCGTGGGCGACGATACATTGGCGTTTCGCGGATGGCGTGCCTGCGCATGACGGCACTGACGTGCCGGAAC
 CGGACAGCAAGGTCGGCTTCCTCGCCAGGCTGTTCCATCGACGCGGGAAGGGCCCCGGCACCGACACGAA
 ACTCGATCGCTATGCAGGTGACGAGGCGTTCTCAACGCCGCGAGCCGCATGGGGATGCCAACGAAACG
 GATCTGCACGAGGGCCCCGCGCAGGGTGAGCAGTGCGGTGCTTCAATGACGACGCCACGCGAAGCATCG
 ACTCGGGCACATGGAACGCCAGCCTTCAGGCACCATTCGCTGCCATCCGGCTCCATGCCCCGAGCGAC
 GGCCACCGGCACCGATCCCTGGGCGCATCTCGATGCGGAGGGCGAGACGATGGTGGTCTCCACCCAGACC
 GGCGAGATCCTCGACCGGTGCGCGGCTCGTCGCCCATGCCGCAACCGGCTCCAGGATACCGCCGGCCA
 TGCCATCCCCCGCGACGCTGAAGACCATGAAGGCATGCCTGACATTCCGCAACAGCCTGATGCGCCATA
 CCATCTGCCGGATCTGAACCTGCTCGTCAAGGGCAAACCGCATGCCGCGCACACTCAGGCGAACGACACG
 GTGATCCATGCGCTGAATGAGACGTTCCGCCAGTTCAAGGTGGATGCGAAGGTGGTGGGATTCTGCGAG
 GCCCCGCTGTCACGCAGTATGAGGTGGAGGTGGCACCAGGAGTCAAGGTGGAGAAGGTGACGAACCTCGA
 CAAGAACATCGCTACGCTGTGGCCAGTTCGGATGTGCGCATCCTCTCGCCAATTCCAGGCAAGAGCGCG
 ATCGGCATCGAGATTCCGAACGCCGACCGTGAGATCGTGCATCTGGGTGATGTGTTGCGCTCCGACAAGG
 CGATGAACGACCCCAATCCTATGCTCACCGGTGTGGGCAAGGACGTCGAGGGGCATTTCGTGACTGCCGA
 CCTACGAAGATGCCGCATTTGCTGGTGGCAGGTGCGACGGGTTCGGGCAAGTCGAGCTTCATCAACTCG
 ATGCTCACGTCGATCATGATGCGCGCCACGCCGATCAGGTGCGTATGATCATGGTCGATCCGAAGCGCG
 TGGAATCTCCGCATATGCGGGTATTCCCCACTTGATCACACCGATCATCACTGATCCGAAGAAGGCGGC
 CCAGGCATTGGAATGGGTGGTCAAGGAGATGGACGCCGATACAGCGATCTGGAGTTCTTCGGCTTCCGT
 GACGTGAAGGATTTCAACAAGGCGGTGCGTGCCGGCAAGGTCCATGCGCCGGCGGGGTGCAACCGCAAGG
 TGGCCCCTTATCCGTCGCTGCTCGTGGTCTGTCGACGAGATGGCCGACCTCATGATGGTGGCCAAGAACGA
 CGTGGAGAGCTCGATCCAACGCATCACACAGCTGGCGCGTGCGGCGGGCGTGCATCTGGTGCTCGCCACC
 CAACGCCCTTCCGTCGATGTGATCACCGGCCTGATCAAGGCGAACATTCCGTACGTCTGGCTTTTGCGA
 CTTCTCGGCCACCGATTGAGGGTCATTCTCGACACCACCGGCGCCGAGACGCTCATCGGTGAGGGCGA
 CGCGCTTTTCTGCCATGGGCTCGGCCAAGCCGATTTCGTGTGACGGGCGCCTGGGTGAACGAGTCTGAG
 ATCCGCAAGGCCGTGAGTTTCGTGCGCACGCAACGTAAGCCGCACTACCGCGAGGACATCGAGCAGATGG
 CCAAGGAAGCGGACCAGAAGAAGGTGATCCCACCGAGGACATTGGCGGTGATATGGACGAACTGCTGCA
 GGCCGCCGAACCTGTTGAGTTCGAGTTCGGTTCCACCTCCATGCTGCAGCGCAAACCTGCGCGTCGGC
 TTCGCAAAGGCCGGTCGACTCATGGATCTGCTTGAATCGCGTGGGGTGGTGGGGCCGTCGGAAGGTTTCA
 AGGCCGTCGAGGTGCTGGTGCAGCCTCAGGATCTGCCGAGGTGCTTGCCTTCATCAAGGGGGAGAGCGG
 CAGCCTGACCGGTGCCAGAGCCCCGGCTGAACCGACCTCTGGCGCCTCCGGCACTGCCGAGTACTGATGT
 ACTTGGTGCTGGGCGTGCCCGGCGCATGCCGGTGTGAATGTTTCTCGGGATATGGTGCAGGTTGTCCGA
 CACGGCAACGCTATGGACATGTAAGCGAGTACGCTAGCCACTATGGAGACTGAGAAATCAACCAAGCAAT
 CGATGTGGAGCCAGTGGAGTTCACCGCCGAACCTGGTGACGCTCGCCGAATCGTACTCGTTGTGCTGTT
 CCTGGGACTCTACATCGCGGTGGTGCATGGGGTGCCCGCAACATCGGCATGCGGTGGGGCGCCGCCATC
 GTGTTTCATCATCGCCGCGTCGACCGATAAGATCGATGGTTGGATGGCACGCAAATACAATCAGGTGACGG
 AACTGGGCAAGCTCCTTGATCCGATCGCCGACAAGCTGCTACGCTTGGTGCGCTCGTGTGGCCGCTG
 TTCAACGAATTTGGCAACATGTGGATTGGCTGGATCGTACCGGACTCTACGTGGTGCGTGAGATCGGC
 ATCACGATCATGCGGTTCTTCGTATCGACACGGCGGCAAGGTGATCGCGGCGTCGAGCGGGGCAAT

ACAAGACATTACGCTCTGCCTGGGTCTCGGATTGCTGCTGATCCCGGTGTGGAGCTTACGCATGCCGT
 GTCGACGCCGGCGTGGTTGACCGTGACTTCATTGTCGCGTATGCGCTCATCTACTTCTCGCTATTCTG
 TGCCTGTATTCCGGTTACGAGTATCTGCGAGGCGTGTTGCGGAAACCTGCGGTGACGCGCAAATAGGCGA
 ATATCTGACCAACGGTCGCAACGATCGCATACGGGCCCCGCTACTTCGGTGTGCGGGCCCGTTGCTTTGC
 CGTTGCATATGAAAACATGCAGACAACACGCCGTTATTCACAATGTCTGCACAATTTTTCACTGAGA
 GTGAACGGCATGCAGATGACGACGTGGAGGGAGCAGGTGTGGCAGAACTTTTCAGGTCGCCGAACCTGC
 CGGTGTGACCGACGTGGCCGATGTACAGCGGTATTGCGACGAACAGGCGCGCCATATTCTTGCTCACTGC
 GACGTCCGGGGACTCAAGATTGCATGCGCAGAGTCCCTCACCCTGCTGCTGCGGATTCTTTGTGC
 GGATTCCGGGGGCGTCGAGCGTGTTCTCGGTTCTGCGGTGACGTATGACATTCACGCCAAGGCGATGGT
 GTTGGGCGTCGATGCGGAACTTTACGACCCATGGCGCGGTGACCCGGAAGTCGCGCGGCAGATGGCC
 CGCGGGGGCCCGCCATCTGTTTTACCAAGAGCAATATGCGCATGGAGTCGTGGGGTTGTCTACCACTGGTG
 TCGCAGGGCCCCGACCCGACGAGGGAAAACCGGCAGGAACCGTGTATATCGGCTTCGATGTGCCGTGTTT
 TTCTCATAGCGTAATACAGGAACGTGATTTTTCGCTCAGATTAGCGTTACGCGGCTCGCGAGAACTGGTT
 AGACATCTCACCCTGGCCTGTGTTCTGGGAAAAATGAGAGAATTCACAGGTTCTTCACAGGAAAAAATTC
 CGATAATGGAGACAAGGGAAACTCATGAGGGGTAGTAGGAAAGGAAAGGTGTTCTGATGGAACAGATGA
 CAATGGTTAACGAGCAAGTTGAAGTCAAGTCGGTTGAGACTCCGGAGCAGGTGCGCTCAGGCAGTGCACG
 CATGCGCAACTCACTCCGGCCAGCGTCGTGCGGTGATGTTGCGCCAGCAGCAGGTTCTTCGTGCCCGT
 GCCGCAAAGAAGGCCAAGGACGAGCATCAGGCCGCCCTCGCACGCATGTGGCAGGAGGAAGACGCCGAGA
 CCGCGCGTCCGCGCGCGATGGTGACCGTCGTGAGACCGTGGGCGAGGTGAAGGAAGTGTCCCTGCGCAA
 GGCGATCGGGCATGTACTGCGCGACCTTCGTACACGCGATCACAAGACGTTGCGTGAGGTGAGCGAGAAG
 GCGGGCGTGCCCTCGGCTACCTCTCCGAAGTCGAGCGTGGCCAGAAGGAGGCCAGCTCCGAGCTGCTGG
 CGTCCATCTCGGAATCGCTGGGTCTGAGCACATCGCAGATGCTGCGCATGGTCGCGGATTACCTCGATT
 CGTCGAGGCGTGAATTCGGGCGTTTCGCTATGAATGTGCGCCCCGCTGCTTTGGTGGCGGGCCTTTTTCT
 GTCTATGCGCCGCATCTGATATATCGAAGCTGGGTTGGTTCGGCTCCTCTTTCGCGCGCTGTGCCGACGCG
 TTATGCTTGGGGCCATGCGTGAACGGGAATTCTGGCAGTTGCTCGAAGAAGTTCGGTCGCTCCTATGG
 CAGGGCGTTGGCCATGACCAGGGGCTCACCAAGTTGCATGGCATGACGGTGGTGGAGGCGCTGGCCGCC
 GGCGAAGAGCCTCGTGTGGTGTGGAATGTGTTGTGCGGCCAGATGGATGTGCCCGATGCGAAGCGTTGGG
 GCCGGGATCACAATGCACCGCCGCTGCCGTCGATTTTCACTAGGGGTGCTTGGGTGGTCTGGCGGGGCG
 TGTGAGAATGTGGAGAACCAGTCGGCAGATGGGCGTATTCGAACAAATGTTGCGCATGAGAGGGTATACT
 GAGCATATCGAAAAGCCACGGCGTCGATTGCATGCGTATGCTGCATATGATGTGTGGATATCGGTGTCC
 TCCGACCACAAGGCCCGGCGCGCTTGTGCCGCCGACACTGTGCCGGTAGGGTTGGGTGTTCCCGCAT
 CATGGCGCGTTTACTGTTGAAGTGAGGAGTACAGATGGCTGCACGAAGCAAGTCCTCCGTCAAGGAGAC
 GGAGAAGACCGAGGCGCTGGCGTCGACAAGAAGCGCGAGGATGCGCTCAATTCGGCGTTGGCCCAAGTG
 GAGAAGCAGTTCGGCAAGGGCTCTGCCATGCGTTTGGGAGATAGGCCGGAACAGGACATCGAGGTGATT
 CCACCGGTTCTGTTGGCCCTCGACACTGCTTTGGGCATCGGCGGTCTGCCCCGTGGACGCATTGTGGAGAT
 CTATGGCCCGGAGTCGTGCGGCAAGACCACGCTGGCGTTGCATGTGGTCGCCAACGCGCAGAAGAACGGT
 GGCGTGGCCGCGTTTCATCGACGCCGAGCACGCCCTTGATCCCGTGTATGCGCGCCACCTGGGCGTCGATA
 CCGATTGCTCATCGTTTCGAGCCGGACAACGGGGAGCAGGCGCTGGAAATCGCCGACATGCTCATTTCG
 TTCCGGGGCTCTTGACGTCATCGTCATCGATTGGTGGCGGCGTTGGTGCCGAAGGCCGAGATCGAAGGC
 GATATGGGTGACAGCCACGTCGGTCTGCAGGCAAGGCTCATGAGCCAGGCGCTGCGCAAGATGACCGGTG
 CGCTGGCACAGGCGAACACGACGCGCATCTTCATCAACCAGTTGCGAGAGAAGATCGGGCGTATTCTTCGG
 AAGCCCGGAGACGACACCGGCGGCAAGGCGTTGAAGTTCTATGCATCCGTCCGCATGGACATCCGCCGC
 ATCCAGACGCTGAAAGACAAGGACGAGCCGATTGGCAACCGCACTCGTGTCAAGGTGGTCAAGAACAAGA
 TGGCACCTCCATTCAAGACCGCCGAGTTGACATGCTCTATGGGCAGGGCATCTCGCAGGAAGGGTCGAT
 TCTCGACATGGCGTTGGAGACCGACGTGGTGAGGAAGTCCGGTCTTGGTTACCTACAACGGTGAACAG
 CTGGGGCAGGGCCGTGAGAACGTGCGTAAGTTCCTCATCGACAATCCGAAGCTCGCCGAGGAGATCTCCA
 CTCAGGTGAAGGTCAAGACCGGGCTCATCTCCACCGACGACCAGTTTCGGCGTCGACGGCACCGAGGAGGA

GAACGGTGAGTCTATAACCACCAAGTGAGTCGAATGCGGAGGCTCAGACGAGTGCTGAAGCCTGAGTGCTT
 CTTTGGGTGCCCCGTGGATCGGGTGTGCGCCGGCCGACGCTCGATCCAGGGGGCACC GGCGTATTGCATG
 CCGTACCGAAGGAATGCGGAGAATGGAGTTGCAATGATCAGTGCAGAGGAGTTTCTGAGCTCCCATGAGC
 AGATGGTGCCTGAGCCGTGCGCGCCCAACAGCTCAAATCGAGACGTTCCGGGGGAAGCACCCGACGAAGGA
 ACGGCGTCGAAAGCTGTCTGGTGGCTTCGCTATTCTGGTGGCGGCGGATTTCGCACGACGAAGATGAGTGC
 AAGGAAAGCGCATTGCGTCTGCTCGACGCGGCCGCGCGGTCCAGCGGATCCCTGCGGGACAAGCTCGTCG
 AACGGGAATACGATGCCGAGGTGATCGACCGCGTCGTGCGCGTCTCGAGGAGCTTGACTCATTGACGA
 TGAGGAATACGCCC GAATGTGATTCGTTCTGCACCGCCCGCATGATGGGTGCGCGTGGTGTACATACGG
 GAGCTGGTGC GCAAGGGGGTTCTCGCCCTCTGGCCGAACGCATGGTACGGGAGACCGCACAGGCCGGGG
 TATTCGAAGACTGCGCGTGGGAACTCGGCAGGACTGTGGCGAAAAAGAACGCCGGTAAAGATGTGAGGT
 CTGCAAACGGCGCTTCTGGTCCGCCGAGGCCGTAAGGGCCATGCGCCGGAGGATCTGCGCGCCGTAAGC
 GACGAGTTGTTTCGACGTGCGATCTACGAATGACGGTCAAATCAATCATGCCGAAAAGACCGAAAAGATAA
 GGAGTGAGACCTCTTATACCCCGGGTCTGTCTGCGGTGAAGGCATGGATGGCCATCCATCTCGACCTG
 ACGTCGCCGTGAGGCTCTAGCAGCTACCCGAAGGCAGAGCGAGCAACTCTATAGCCTTCTGCTTGGCCT
 TGCTCCCGATGAGGCTTGCCATGCGGCTCTGTTACCAAGTTGCCCGGTGGTCTTGTGACCGCGCTTCA
 CCCTTACCGGCCCGAAGGCAGGCGGTCTGTTCTGCTGCGCTATCTCTCAGGTCACCCTGGGCGGACGT
 TATCCGCCATCGTGCTCTGTGGAGCCCGGAAGTTCTCAGCCACAAAGTGGCCGCGGCCATCAAGAGGTC
 TCGCGTCCGATTGTAGCAAGGGGTGTGACTGCCTGCAGTGGTGGCTGGAGGAGGCGCCTTGTGACGAAAC
 TGGTGCTTTGGTGCGGCATATGCATCTGCGACGCGAGCAATCCGTTCCGACTCGTGGGAAAAGACGCCGT
 TTTTCAACAAATAGGGGAGAGCGGGGGCGTGTCTTGCCAATTCTTGCCGAACCTCGATTACAATATGAG
 TCATATCCGAATGGCAGTAGCCGTTCCGTCCGTATATAGCGGTGTGAAAGCCGCTTGAGTCTAGGGAGGT
 CCACATGGATATCGTTCTGACAGGCCGTACATTAGATCAAGCAGAAGTTCCGTGACGTGCTCGAAAGC
 AAGATGAATCGTGTGACCACAATTGCGCCGACGCGCAGCGCGTACAGGTCGTGCTGTGCGATGAAGGCA
 ATCCACGTCTGCATGACACCGCCGTCCGCGTGGAAGTACCGTTGTGGCTGGTTCGACCGTGGTTCGCGC
 CGAGGCGTCCAGCCTCGATGAGGTGAGTGCCCTCGATCTGGCGCTCGACAAGCTCACGTGCGTCTGCGC
 CGTGCGCGCATCGCCGCAAGGATCACCGCAAGAACTACACGCCGGTGCCGGTGCATGCGGGCAAGTTGCG
 TGCCGCCGAGCGAGGAGCGCGAAGACATCATGGGTGACGAGGACGTGACAAACAGCCCCGCCTCCGCAGT
 CGCCGGAGATCTCGGTCCGGGCGAGTCCGTGAGGTTACGTGCGGACACCCCGATTGTCATCCGTGCGC
 AAGCTGCATGTGCGAGAACCCATGAGCATCGATGAGGCGCTGTATGAGATGGAGCTCATCGGCCACGACT
 TCTTCTGTTCTGTGAACAAGGACACCGGCCGTCCGTGCGTCTGTTACACCGTCACGGCTGGAGCTACGG
 CGTCTTCGAGATCGACACCCCGAGAACATCAAGAAGCTCGAAGAGGAGCGCAAGGCCTGAACAGGTTTC
 GTCCTCAATGGAAAGCGGCTGCGGTTGCGGGCCGCTTTTGCTTTGTGCGAAAAGGGGCGGCATTACACA
 TTTGTGTGCGGAATGCGAAGGAATGCCAAAAATGCGCAAATCTTCGTAGAATAGCCGAAAAAAGTGGAAT
 AGGGGGCTCGAGCCGCTTATTGTAGGAGTGTTGTTGCAAACACCGTTAGGGAGTAAATGTGGTTGATATC
 GTAGACAAAGCCCTGCGTATGGGTGAAGTTCGCCAGATCAAGAAGCTCGAACACGTGCGCCGAAGCCGTGA
 ACAAGCTCGAAGATCAGATGGTGGTCATGAGCGATGACGAGCTCAAAGGGCAGACCGCCAAGTTCAAGGA
 ACGCCTGGCCAACGGCGAGACGCTCGACGACCTGATGCCGAGGCTTTCGCGACGGTGCAGAGGTGTCC
 AAGCGCACGCTGGGTGAGCGTCACTTCGACGTGACGTTATGGGTGGCGCGGCACTGCACTGGGGCAACA
 TCGCCGAGATGAAGACCGGTGAAGGCAAGACCCTCGTGGCGACGTTGCCGAGCTACCTCAACGCGCTCGA
 AGGCAAGGGCGTGACGTGATCACCGTCAACGACTATCTCGCCAGCTACCAGAGCGAGCTGATGGGCCGCGC
 ATCTACCGTTTCTCGGCATGAGCGTCGGGTGCATCGTACCGGCCAGAAGCCGGCCGAACGTGCAAGC
 AGTACAATGCCGACATCACCTACGGCACGAACAACGAATTCGGTTTCGATTACCTGCGCGACAACATGGC
 GTGGGAGAAGAACGAGCTCGTGACGCTGGCCACCATTACGCCATCGTCGACGAGGTGACTCGATCCTC
 ATCGACGAAGCCCGTACGCCGCTCATATTCCGGACCTGCCGAGGGTGATGTGACCCGTTGGTACCGTC
 AGTTCCGCAAGCTGGTGTCAAGCTCAACCGTGACGAGGACTACGAGGTGACGAGAAGAAGAAGACCGT
 GGGCATTCTCGACCCAGGCATCACGAAGATCGAGGACTACCTGGGCATCGACAACCTGTATGAGCCGAGC
 AACACCGCGCTGATCGGCTACCTCAACAATGCGATCAAGGCCAAGGAGCTGTTCTGCGCGACCGCGACT

ACGTGGTCACCGGCGGCGAGGTGCTCATCGTCGACGAGCACACCGGACGTATTCTGCCCCGCCGCCGTTA
 CAACGAGGGTCTGCACCAGGCCATCGAGGCGAAGGAGAACGTGGAGGTCAAGGCCGAGAACCAGACCTTT
 GCCACGATCACGCTGCAGAACTACTTCCGCATGTACGACAAGCTTGCGGGTATGACCGGTACGCCGAGA
 CCGAGGCCGCGGAGTTTCATGGGCACCTACAACTCGGCGTGCTGCCGATTCCGCCGAACAAGCCGATGAT
 CCGCATCGATCAGGACGACCTCATCTTCCGTACGAAGAAGGAGAAGCTCGCCGCGATCGTCAAGGATGTG
 GCTGCGCGTCATCGCAAAGGCCAGCCGGTGCTGCTCGGCACCGCCTCGGTGGAGTCCTCCGAAGTCGTCT
 CCTCGCTGCTTGACGTGGTTGAGATCCCGCACAAGGTACTCAACGCGAAGCAGCATGAGAAGGAGGCGGC
 GGTCGTGGCTGTGGCGGGTCGCAAGGGCGCCGTCACCGTCGCCACGAACATGGCCGGTCGAGGCACCGAC
 ATCATGCTCGGCGGCAACGTGAGTTCTCGCCGACGCCGAACCTCAAGGCGAAGGGCTACTCGCCGGACG
 ACACCCCGGAGGAATATGAAAAGCTGTGGCCTGAGACCTGAAGAAGATCAAGGAGCAGGTCAAGGACGA
 GCACGAAGAGGTCAAGAAGCTCGGTGGCCTGTATGTGCTCGGTACCGAACGCCACGAATCACGCCGAATC
 GACAACCAGCTGCGCGGCCGCTCCGGACGTGAGGGCGATCCGGGTGAGTCCCGGTTCTACCTGAGCCTCG
 AAGACGACCTCATGCGCCTGTTCAACACGCAGCTCGTCGCCCGTGTGATGGCGAAGGGCATGCCCGAGGG
 TGAGCCGATCGAGTCGAAGAGCGTGTCCAAGGGCGTGCGCAATGCGCAGAAGGCCGTGGAATCGCGTAAC
 TTCGAGATTCTGAAGAAGCTGCTCAAGTACGACGATGTGATGAACAAGCAGCGCACCGTGATCTACTCGG
 AACGTGAGGCCGTGTTGAAGGGCGAGGACATTCACGAGGACATTGAGGCCTTCATCTCCGACACGCTCAC
 CAGCTATGTGCGAGGCGCGAAGAATGGATCCGACAAGCCAGCCGATTGGGATTGGAACGGCCTGTTCAAG
 GCTGTGAACGACCTGTACCCGACCAAGGTGACCATTGACGAGGCCAAGGAGGCGGCGGAAGGGCTCAAGG
 GCGACAAGGCCGTGGACGCCGTGGTCAAGCTGTTGTCGACGACGCCGAGGCGCAGTATGAGGCCTTCGA
 GACCAAGCTCGGCGCCGATGGCCTGCGTACGCTGGAGCGTCGCGTCGTGCTCGCCGTGCTCGACCGCAAG
 TGGCGCGAACATCTGTACGAGATGGACTACCTCAAGGACGGCATTGGCCTGCGTGGCATGGGCCAGCGTG
 ATCCGCTGGTGAATACCAGCGTGAAGGCTACCAGATGTACAACCAGATGATCGAGGGCCATCAAGGAGGA
 GACGGTGCAATTGCTCTTCCACATCGACCTCGACAGCATCGCCAGACGAACGACGACGGCACTGACTCC
 ATCGACGACGCGGCGGTGATTCCGCCGAAATCAAGATGGGCGACGATGTGAGCGAGGACGACGAGCTGA
 ACAAGGGCAATCTGTCGGAGCACGAGCCGAAGAGGCCGCGCGCATCGACAATCATGCCGACGAGCTGGA
 GACCGCCGAGAACATCGCTGCGGTCAAGGAAGCGCGGAGGAAGGCGAGCGGATTCCGGAATCCGGTCTG
 CTCGGCCCCGAGCCGATGAGCCATGCCGAGGGCAAGGTGCCGGCGCGCAAGCGTCCGAAGAGCGAGGAGC
 TCAAGACCCCATGGTCCGACGGTCGACATTCCCGGGCACGCCGAAGAACGCACCATGCCCGTGCGGCTC
 CGGACGTAAGTACAAGATGTGCCACGGCCAGAACGAGCAGTGAGCATATTCAACCCGATATCGAGGGGCG
 CCGCATGCGGCGCCCTTTTGTGTTGACCATGATGCGGGACTCGACATGTGTTGTTGCTTGTGTTCCCT
 AGACTGTGCGTAGCAGCTACGAAACGAGGAGTGGTCATGGCCGACATCACATGGAATCGATTCTACCA
 AGCTCGTGCAAGGCAATCACCTGACTGCCGAGGAATCCGAGTGGTTCGTGATGACCTCATGAAGGGCAA
 CGCCAACCCGGCAGCCGTGCGTGCCGTGCTCGCGACACAACAGCAGCTCGGATTGACGGCCGATGAGATC
 GCTGGTGCCGCAAAGGCGATGGTGTGCGATGCCGTGCCGTGGAAGTGAACCGTGAATGCACCGACATCG
 TCGGCACGGGTGGCGATGGCGCGCATACCGTCAACCTATCGACGATGGGGGCGGTGATCGCAGCCGCTGC
 GGGCGTGACGATCGTCAAGCACGGCAACCGCGCCGCGAGCTCCAAGTGCGGGGCGGCCGACTGTCTGGAG
 GCGCTCGGGCTGCCGCTCGATCTCAAACCGCAGGCCGTGGCCGAGGTGGCCGATGAGGTGGGCATCACCT
 TCGCCTTCGCCAAAACCTTCCACCCGGCGATGCGATTGCTGGGACCGGTGCGCGCCGCGCTCGGCGTCCC
 GTGCGTGTTCAACGTGCTTGGCCCGTGACGAATCCGGCGACCCCGAAGCATATGGCAATCGGTTGCGCC
 AACCGTGCGATGAGCCCAGATCATGGCCGCGGTCTACGCGGCGAACGGCCAGAGCGGCATGGTGTACACCT
 CGAACGAGGGACTCGACGAGATGGCGCCGACCGGTCCGATCTCCGTCTGGGAATTCAAGGACGGCAAGGT
 CTGCGAAACGGAATTCGACCCGATCGAGGAGCTTGGGCTCGCCAAGGTCACGATTGAGGATCTGCGTGGT
 GGCGAGCCGGACTACAATGCCAGGCCCGCCGCGATCTTTCGCCGAAAGGATGTGCCGTTCCGTACGA
 CGGCATTGCTCAATGCCGCTCCGCAATCGTGGCGGATGGCTCGCTTATCGATGCCTCCGCTCCTCTGGG
 CGAACGGTTCGCCAAGCCCATGCCATCGCCGAACAGGCAGTCGATTCCGGTCTGCGCGCCGCTGCTC
 GACGAGTGGATCGCCGTGCAAGCAAACATGTGACTGAGTTGTAGGAGTACGGGGATTACCTGGTCCCT
 ATAACCAGAGGTGCCATTCCGGCTATGCACGGCCGAATGGCACCTTGTTCTTCGGGAATCCTATACGCGA

GCGCCGTCGTCTTCCTCGTCTCGTTCTGTTTCGTATGACCGCGGTGTGTGACGAACAGGCCACCGGCGC
 CGACGAGTATCGAGATGCCGAAGACGATGCCGAGCACGGTCGCCAGGCTGGCAGAAACCCGTGGCGAT
 GATGCCGGCGACGCCGACGACGAGCAGAATGCCGAGATGAGACGCGACCAGCGAATCTGACCCAGATCG
 GGATTGGGGGAGTGAACACGCTGCTGCGATCCATCACATCGTCGGTGTGAGCCAACCTGATTGCGTGA
 AATCACGCGGGCCTGACGAATCGACGAAACTGCCCTGTTTGAAGTCGTTACCGAAAGAATCGCCCTCTT
 CTCCTCGCGTTTGTCTGACGCGTGCGTGCCTGTGCAATTTCTCGCGGTGCGTGATCGCTCCACCTCG
 CCCAGATCGTCGGAATACTCGTCGAGGAAGCGATTCCAGGCGGCCTCCTCGGAGATCTCGCTCGAATCAC
 CCCCCTTGCGCCCGGAATCGTGTGGCTTCGTTCTTCGCCGTCGTTGCTATTGTTGAGGTCAGTCATAGG
 TCACTGTAGCAAGCGGATGCTATGAGACATGTAGGAGGAGGCAGCATGTTGTATTGGTTCTTCATGAGA
 ACGCTCGGTCCGGTGGCGCGGCATCGTTTCAAGCCCGTGGCAGAAAGGGCTCCAGAACATTCCACGCACCG
 GCGGGGGCATCATTGCAGCCAATCATCTGGCTGTGATCGACGATGCGTTGCTACCGCTCACCTGTCCGCG
 CATGATTCATTTATGGAAGGCGGAGTATTTCAAGGCAAGGGCATCAAAGGCAAGTTCAAGAAGTGG
 TGGTTACCTCGGTGGGCGTGTTCCTCGTGGATCGTTCGGGCGGCTCAAAGTCGCTCGGTGCGCTTGAGC
 ATGCACGTGAGATCATCGAGGAAGGCCACCTGTTGGCATCCACATCGAAGGCACCCGAGCCCGGACGG
 CCGTCTATAAAGGGGCACACCGGTGCCGCGCTCTGCCTTGAAACCGGTTGCCCGATCATTCTGCC
 GCCATCATCGGTTACGCGAACTGCAGAAGCCGGGGCAGGTGATTCCGGGCAAGGGGCACTCCAAGGTGA
 TCTATGGTGAACCCATCGAAGTGGAGAAGACTCCATCTGACGAGGTGACGCATGAACGGCTGCGTGAGCT
 CACCGACGAAATCACGCGCAGGATCCAGGCGATGAGCGGGCAGGAATACGTTCCCGAATACGCCCAGGTG
 GTCAAGCAGCAGATGAAGGAGGAGCAGGACGTGCTCGATTCCGCTGGCGCAGAGGCAGCAGCTGATCTCG
 AGCGTGAACATGAATAGGCTGACCTGAGTCTGGCTCTGGGACACAATGTATACGCGCATACGCCGCTCAG
 ATCACCCTGAGTGTGATCACCGTTTTCTTGCCGCTCTCGCCACGACGACACCTGCTGGCCGCTTTGG
 GATCTTGAATCGCACGGTGTGACGAGGTGCGCCACCGGTGATGAGACCTTCACCTCAAAGCCGAGGTG
 TTCAAGGATCTTCTGGCCTCCTCCGTCTTCTTGCCCGTGTGTCGGGAACGGTCACCATTTAGGGCCC
 TTCGAGACGGTGAATGTGACCGCATCGCCCACTGCAATTTGGGTTCCCGCTCGGGATCCACTGAAATCA
 CCTGGTCCCGTGAATCGTATCGCTGTACTCTCGGTGTAGGTGCGCTTGAGCTTGCGTCATCAAACGA
 CTTCTGCGCTGACCGCGCTCATGCCACCATTCGGCATTGCCACCGGCATGGGCCCTTTGGAGAGC
 GTCACCACGACGTGCTGTTATGTTCTGTGTGGTGCCGGCGCTGGGCGTGATGTCGATGACCTGCGCTT
 CCGGAACGCTTTCGGAATACTCGTCGTTGTCTCGCTGTGCGTGATGTTGGTGAAGCCCGCCTTCCGAG
 GTCGTCAGAGGGGACGAGCTGCTCATGATGCCTTCGGGAACGGTGGCCTGCTGCACACCTTGCGACACC
 GTCACATGCACCTCGCCGCTGGCCGCTTGCTCACATGGGCATCCACAAATTGCGGGTCGGTGGAGATGA
 TCTCGCCGGCAGGCACTGTGTCGCTATACTGCTGTGTGCTTTGTACGGAATCTGCGAGACTTTGAGCAG
 ACGCTCATAGGCATCCCATTTACACCTGTGATCTTGATGGCGCATTTTCGGCACAACCTGAGCCCTCG
 GGTTTGGGCACTGTCCAGTAGCTGCCAGGCCACGAAGTACCACAATGCGAATCCGCCACCGGCACCCA
 ATGCGAGTATGGCGGCGATGATCGAAACGATCATCGCCGTTCTATGCTTCTTGCGAGGCTGCACTTGCCT
 CTGGGCATTGCTGGGCAATGGCGCACCTGGCTCGCCGGGACGGCCGGAATTACGCCATAACTTCCGGTA
 GAGCTCCATATGGTGAACGGTGGTTCCACCGGAGGCCGGAACCCAGAGCCTGGCGTCGAGGAGTCGT
 CCGGCGGTGTGGCGAGAGCTACCGTTCTTGCTGCTTCCGCTCCTCTTCAGTGAGATCGGGGGAGGCCAA
 TGCACTGAAAAGCGCGGCGGAGAGGTAGGTGGTGGAGTGGATTCTTCCGGCGAATCCGATTTGCTCGAA
 ACGGAGGGACGGTCGGAATCCTGCTCATTGCGACCCATTGGGAACACCCGAGTGCTGTTGATGGGTGGTT
 CCTGGGGGCGGAAGCGATAGTCCAATGCCTGGCGGCTCAGCGTGGGCATGAGCTCACGGAGGCGATCCAA
 CGCCTTCTGTGCGTTTTTCGACGGGCATTGACGTACGTGCGGTGAGTACGAGATGAAGGCCGAAACC
 CGGGGGTCGATGCCGTAGCACACCGTTCCTATGGAGGGGATGTTCTCGTTGACGTGCCTGAACACCATCG
 TCACCGGATTGTCTGACTGGAACGGCACCTCCCCGCCAGCAGTCCCATGCCATGATGCCACGGAATA
 GCAGTCGCCCTGAGGAGTGGCCTGGTTGTTTTGATCATCTCCGGGGCAGATAGGCCGCTGTGCCAAGC
 AGCATCCCGGTGGAGGAGAGCGTGGCCTGCGAGGCGGCCTTGCTAGGCCGAAATCGGTGATCTCCACAT
 GACCGCGGTGCTGATCAGAATGTTCTCCGGCTGATGTCGCGGTGTACGACGCCGATCTCGTGGGCGGC
 GGCAAGTCCGTTCAATGTCTCGCCGACGATGCGCAGGGTGTGCGCACCGAGAACGTGGTGTGCGTCTGC

ATCTGACTACGCAGATTCACGCCGTGCACATACTCCATGACCAGATAGTACGAGCCATTCTCTCACCGG
 TGTCGTACACCTGCACCACATGCGGATTGGCTATTGCTGCCGCGGATTGGCCTCCCGTCGGAAGCGCTC
 GATGAACTGCTCGCGGTGGGGGCCCTGGGCCAGCTGCATGTGCATGATTTGACCGCCACATTGCGCCCCG
 AGCCTTTCGTCGACGGTCTGGTACACCGTGGCCATGCCGCCATCCGCGATCTTGCGCACAATGCGGTAGC
 GGCCGTCAATGAGATTGTAGTGGTCCGTGCCGTGTGCCGTGGTATCCACCATGCTGGTTGTGTTCTTCT
 GCTGTGATGCCCCGATTGCGAGTGTGCCTTCGGAGGATATTTTACCGTTCGGCTGTGAAATCCGGCAGAA
 AGCGCTCACAGGCTTTACGAAGGCTTTGCGATTGTGCGGCGGTGAGACCCATTGCTTCGATACTTTCCTG
 GGTTTGCAGCCACAGCTTCGCGATACGTTTCGTGCGAATGCTCGATGGCCCCGGTGTATGGAACAGCGCA
 ATGGTCTCATGCACCTGCGCGTCGGAGCGGAACGGCTGCTCGTACAGCTGCTGCAGCTGTACGCGTTGTG
 CGGCGGTGCCAACATCATGGCGTCGGCGAGCAACACCGTGCCTTCCCCTCACGAATATCACCTCCGAC
 AGGTTTTCCCGTGTGCGGGAGGAGCCAGTGACGTCAAGCAGATCATCGGCCAGCTGGAATGCCTGCCCC
 AATGGCAGCCCTATGGCATGGCAGTGGAGGTTGGCTGCCTCGTGGTCATACCGGATGCCAGGAATGCCA
 GCATCAACGGGGCAATGGTGGTATAGCTGGCGGTTTTCCAGCGAAACACGTCGAGCGACGCTTCGGCAAG
 CGCTTGGGATCGTCGAGTGGCATGCGCTCAATGGCAAGGTCGAGCACCTGGCCACCTCCACGTCATGT
 TGCATCGAAAGAAAGGCTCCACCAAGCGTCGATGTTGACCATAACGGTGCTGGCGTCTCCATGATGA
 GCGTGCATGCCGTGGCGAGCATGTGCCCCAGCATGAGGCCAGCCCGCGGCCAATGCTGCGTGCGCCGGC
 GAACGAGGTGAGCGCGCAGTGC GCGGAGGGCTTGCCGCGGCGTAGATCCGAGTCGTCATGAGGTCGTCG
 TGCACCAGTGCGGCGGTCTGGAACACCTCAATGGCACAGGCGAAGTCAAGCACCTTGGTGCGCACGCTTC
 GCGATTGTGTGGAATCCGGGGCGCCGGCCAGCACATCGTAGGCATCCAGTGTGAGTAGCGCGCGCAGGCG
 TTTGCCCCCTTCGCTTGAGGCGAGCGCTGATCCACCACTGTATGGAACATCGGGCGCAGAGCCGGGGTG
 ATGGGTGCATCTGTGCCGTTACCCCCACGTAGTCGTGCACAAGTTCTCGAATGCGGGTTTCAATGGCGC
 CGATACTGCTGGAATCGCTCATGGTTCCAGTGTATTCACAGCATTCCGACATTGCAGGTCATGCACAATA
 TGCCCCGACCTGCAATGTGGATAACACGTTCTCCGACCACAAATGCCGTTGGGATGGAATCCTTCCATT
 CTGCCGCCACAGTGGATGCAAGGCCCGTTTGGGTGCGAATGCAAGACGGACAAGGAGTAGATATGGTGTC
 GAACAATGAACACAACGAGGAAGCGGAGATGAACCGGAAGACGGCGGTATCGCGGGTCTGGGCATGCAC
 CCATTGCCGGTGGCGCGGCTCGGGGGTATGCGCCGCGAGTATTCGAGCGGATGACCGACATCGGTACGG
 CATCGGCGGCGGCCCGGTGGATCGCCGATCTGCTGCCTCCATGGCTGACGTGGCTGCGGGAGCCTGAAAT
 GAAGCCGAGGATCTCGATGATGAGGTGCAGTTGATGTTGGTCACCGGTTTCAACATCTCGTTGGCGGTG
 CGCGATGCGATCATCATGACAGTGGTGGCGGACGAGTCGAGTGGGACGAAGGCGTCATCTACGGTTTCG
 CCGCGCATCCCCATGACAAAGATGTGGCACAATCTATGTCCGCCATGCTTACCGCGGCCTTCGAGGAACC
 CGAATCGGACGAACGGCGGTGCGTGCGGGTCTGTCGAACTGCTTACACGATGTGCGGGCGTCTTCCCGCC
 GAATGCACAGGCAATTGCGGGCGGTGAGGGCCTATCTAAATGGTGGCGTGCGGACGAGTCCGCGCTGC
 ACGATGCGCTCGGGGTGCTCGAGGAGGATGAACGGGTACATTGGCGGCTATCGTCGCGGCTGCGGTAC
 CCGACACGTCTACCGGCACATGCAGGCCGCGCCGAGACGGAGGACGCACCGATTGCAGGCACCTGAGGG
 TCTATGGGAATAATCGTCCCGAAGACATGGTTAACTCACATAGTCAGCGACTTGACCTTGCCGTAGCTAT
 GCCAAAAGCAAGCATACGACGGTCCGCCGCTTCCACAAGACCCAGGGAGGTACAGTTTGGTCGCAAG
 GAAACGACGAGCACCGAGAAAGCCGCGAAGAAGAAGGCCCTCCGAAAGCGCCACGACGAAGCCGCCGTG
 AAGAGAAGGGCAAGACCACCCGTAGGAGGGCCTCCTCGAAGGCTTCGTGCGCGAAGAAGGGCTCCGCCG
 CAAGACCACCAAGCGTGCCACGGCCCGGAAGAAGAAGGATGCCGCCGAGAGCGAGTCAACGCCGGCAAGG
 AAGACTCGTGCGGCTTCAAGACCGGCGCGAAGAAGGCCATTTCAGTCCGAGGAGATCGACGACGAGG
 ACATGATCGGTGAGGATGTGATCGACGAGGAGGATCTTGACCTCGATGAGGATCTTGACGCCGACGAGAA
 CGATGACGACCTCGAGGACGAGGAGTCGGAGGACGAACCCGAGCCGGAGGAAGACGACGACGAAGAGCCG
 CAGGCCCCGAAGGAGCCCAAGGAGAAGGGTGCCTTCGTGTCGTCAGCGACAACGATGAGGACGACGAAGCCC
 TTCTGGCGAATCCGGGCGTGAATCCGAAGCGCCGCGTGGTAACACGGGCGCGACCGCCGACCCGGTGAA
 GGATTATCTCAAGCAGATCGGTGCTGTGAGCCTTCTCAATGCCGAACAGGAGGTGACCTCTCCGAGCGT
 ATCGAGGCCGGCCTGTACGCCAGCATCTGCTCGACACCGAGGGCGACACGATGGAGTTGAGACGCAAC
 CGGAATCAAGTGGGCGAGCCGCCGACGGCAAGAAGGCGAAGGACCACCTGCTCGAGGCCAATCTGCGACT

CGTCGTCTCGCTTGCCAAGCGTTACACCGGCCGCGGCATGCTATTCTCGACCTTATCCAGGAAGGCAAT
 CTGGGTCTCATTGCGCGCCGTCGAGAAATTCGATTGGAAGAAAGGCTTCAAGTTCTCCACCTATGCCACCT
 GGTGGATCCGTCAGGCGATCACCCGCGCCATGGCCGACCAGGCCGCGACGATTCGTGTGCCGGTGATAT
 GGTGAGGTGATCAACAACTCTCGCGCTCCAGCGCCAGATGCTGCAGGATCTGGGCCGTGAGCCACG
 CCCGACGAGCTTGCCCGCGAGCTCGACATGCCGGTGAGAAAGGTGCAGGAAGTGCAGAAAGTACGGCCGCG
 AGCCGATTTCTGTTGCATACGCCGCTGGGTGAGGACGGCGATTCCGAATTCGGCGATCTGATCGAAGACAC
 CGATGCCATCGCGCCATCGGAGGCGGTGCGATTCTCACTGCTACAGGAGCAATTCGTGAGGTGCTTGAA
 ACGCTCTCGCCGCGTGAGGCGGGCGTGATCAAGATGCGCTATGGTCTCGAGGACGGCCAGCCGAAGACGC
 TCGACGACATCGGCCGCGTATATGGCGTGACCCGCGAGCGCATTCGCCAGATTGAGTCGAAGACCATGTC
 GAAGTTGCGTCATCCGTCCCGTTCGACAGCGCTGCGCGACTTCTCTCGATCAGTGACGCTGAACGGCGTCC
 ATTGCCGGCGCACCCCGATGGGTGCGTGCCGACGCCAGACGACATGACAGTGCCAGGGAGAGCGTGAGCC
 GAGTGGCTCCGCTCTCTTTGCATCGAAGAGGAGATACGGAGGAGGGTTATGGCGAAGAAGGAACCCGCG
 AGCTACGGCGCCGGCTCATTGACGGTGCTGGAAGGGCTGGACGCGGTGCGCAAGCGTCCGGGCATGTACA
 TCGGCACCACCGACAGCCAGGGTCTCATGCACTGCCTGTGGGAGATCATCGACAATTCGGTGACGAGGC
 GCTCGCCGGGGCATGCACGCATATTGTCGTCACCCTGCACGAAGACGGTTCGATCGAAGTCGCCGACAAC
 GGCCGAGGCATACCGGTGGATGTGGAGCCGAAGACGAAGCTCACCGGTGTCGAGGTGGTGCTACCAAGC
 TGCATGCGGGTGCCAAGTTTGCAATTCGTCGTACAACGCTGCCGGAGGTCTGCATGGCGTGCGGCTCGTC
 GGTGGTCAATGCATTGAGCTCGCGCATGGACGTGCAAGTCGACCGCAACGGCCACACCTACCATATGGCG
 TTCCACCAAGGGCATCCAGGTGTGTATACCGACGAGGACCCACAGCGTCCTTCCCCGACTCACCGTTCA
 AGAAAACGCGCAAGAACCGCCCCACAGAGCTCGAGATCATCGGCAAGGTGCCCCGAAGCGCACGGGCAC
 GCGCATCCGCTATTGGGCGGATCCGGAATCTTCAATGACACCGCGAAATTCGACTACGAACAACCTGATT
 GACCGTGTGCGCCAGACGAGCTTCTGGTGCCGGGTCTGAAGATCACGGTGATCGACGAACGCATCCGTG
 AGACAGGCGACGTCGACACCGACGTGTTGAGGAGACCGACGTCAAACAGGCGCAATCCGACCCGGTCTGA
 GCGGATCGAGGCGGAGACCGAGGCAAGCGAGAATCTGCGAAGATCGGCCTTGAGCGGGCGAATGCGGAG
 GACGCGCAGGAACAGGCACAGGACCCGCGAGGCGAGTCGACGCCATACCGGTGTCGAATCTGCGGATT
 CGGGCGCCTCAGTGCCGGGACACCGCGGTGTGGAGGAATTCTGCCATACCGGTGGCATTGTGATTTCTG
 GGACTTCTCTCCACGGCGAGGCCGTTTCCACCGTGTGGCGAATAAGCGGGCAGGGCACGTACCATGAG
 GAGACGCAGGCAGTGAGCGCAACGGCGACCTGCATGCGCAGAAGATCGTGCGAACCTGCGATGTCGATA
 TCGCGATGCGTTGGACGAACGGCTACGACACGGTGTGTAAGAGCTTCGTGAACGTCGTCGCCACGCCGGG
 CGGCGCATGCATGTGGACGGCTTCTGACGGGTATCACTAAGCAGATTCGCAAGACGGTGGAAGACAAC
 GCGCGCAAGCTCAAGGTCAATCTCAAAGACCCGAAGATGAAGATCGAGCGTGACGACATTCTCGCCGGAT
 TGGTGCCGTGGTACCGTGCGCATCGCCGAGCCGAGTTCCAGGGGCAGACGAAGGACGTGCTCGGCAC
 CGCGCCGGTCAAGCCGCTTGTACACGCATACCGACAAGCAGTTCGCCGAGCTCATACCGGCGCGGAAA
 CGCGGGTACAAGGAGCAGTCGGCGCGCGTGCTCGAGAAGATCGTGGGCGAGATGCACGCGCGCATTCAGG
 CACGCAAGACCAAGGAGGTACACGTCGCAAGAACGCACTCGAATCTGTTCTATGCCGAGTAACTGTC
 GGATTGCCAGCCGGGCAACGACGACATCGCCGAAGTTCATCGTCGAGGGTGATTCCGCACTCGGCACG
 GCGAAGGCCGCGCCGAATTCGGCGTTCAGGCGCTGCTGCCGATCCGCGGCAAGATTCTCAACGTGCAGA
 AGGCGTCTGTTGTCGAGATGCTTTCGAACAAGGAATGCGCGTCGATCATCCAGGTGATCGGTGCGGGTTC
 GGGGGCCAGCTTCGACATCGAGTCGGCGCGGTACAACAAAATCGTCATGATGACCGATGCCGATGTGGAT
 GGCGCGCATATTGCGACATTGCTGCTCACGCTGTTCTACCGGTACATGAGACCGCTCGTCGAGGCGGGGC
 ACGTGTATGCGGCCGTGCCGCCGCTGCACCGCATCGCTTGGCGGGGGCACGCAAGGGCGAGTACATCTA
 CACGTATTCAGATGACGAGTTGGCGGGCAGGCTCGCGCAGCTCGACGCTGAGCATATTCCGTATGCCGAC
 GACATCCAGCGCTACAAGGGCTTAGGTGAGATGGACGCGAACCAGCTTGCCGACACGACGATGGATCCGC
 GCACGCGTCTGCTGCGTCGCATCCGCATGGAGGACGCCGAGCAGGCGAAGACATCTTCAGCCTGCTCAT
 GGGCGACGAAGTGCTCCGCGCCCGCAGTTTCATTGTGCAACGCCGAGGATTTCGACCGTTTCAAGATT
 GACACCTGACGCTTTCGTGCAACCGATGCCACAGGGGCCCGGAACCCGCGCTGAGGAGCGTGCTCTACG
 CGCAAAGCGCGCAGACACTTTGACGAAGCGCGGGTCCGGGCCCTGTGGGCATCGGTCTCGCACGATAT

GGGTCAGTCGGCGTGCGAGCCGCCATCGCCTGGCCGTAGACCTGTTCCACCTGATCGGTCACGGTGCGA
 ACGTTATACCGATCGAGTAGCCCCGTTGCGGGGCATGCAGGTCGGCCGCCAAGGTTGTCGGTGAGTG
 CGCGGGCAATGCGTTCGGCAAGAATGCGGGCACGGTCTGTTCCACTACCGGGAAGAGCGAGTCCTCGTC
 ATCGAGCATGGTCGACCGGTAGCCGGGATTGTACCGGCCAGCGTGACACCGGCATTGAGGCGATGGCC
 TCGAGCAGCACGATGCCGAAGGATTGCGCTCCGGTTGCGGGGAAGATGGCCACATCGGCGCTCGCCAGCA
 GCTTCGGCTTCTCTCTTCTCCACGAAGCCGAGGAACCTCGATCGGCGTGCGCAGATGCGAGGCACGTTT
 CCGGCATTGTCGAGCAGCGGGCCCTTGCCGGCGAACCACATGGAAGCCCCGCGGGAACAGATCATGC
 TCCTCGCCGTATTCGACGGCATCCAGAAGCAATTCGCGCCTTTTCTCGGAACGAATCTACCAAGGAACA
 CCGCGAGGGGTCCCTCGGACGAGTGCGCACTGGCCGTGTGCGCCTGCACAATGGCATGGGTGGGGGAGGC
 GCCTGCGAACCGATCGACATCGACGGGATTGCGAATGACGACACCGCGAACATGCGCGGTCTGCTCGGCA
 TACTGCGCGGGCATCTGGGAGACTGCGATCACCTCGTCGACGCGGGGTGGGAGTGATATTGACCAGCC
 CGAGCGCACGGCCCGGATCCGGGAGGCAAGGTGCGCCGATGCGATGTGGTAGGTGGCGACGACGCCAGT
 GCGCTGGTGCGCATGGTCGAGCACCTGGCTGCCATGAACGGGCTGTAGGGCGCCTGAACGTGCAGAAATG
 TCGAAATCGTATTCGTCGAGCACCTCGCGGATATGCCGTGTGTTGGCCGGAAGCGGGATGCGCATGCGGT
 TTCCGTTGAACCGGACCATGACGTTGCGTGACATCGGATGCGTGTTGCGCACGGGGGAGTCATGCGTCTC
 GCCGACCAGATAATGCACCTCATGCCCCGTGCGGCCAGCTCCTGGCCCAAGGTCACGATATGCTGCTGC
 ACGCCGTGAGCAGCTCCAGGGTGTCGTCGAACACGAATCCGATTCTCAAGCTCATGGGCACCACTCTAA
 TCATCGAACAGATTTGGAAGAACCGGATATTTTCTTTACGTAAGAAGATAATTATGGGCTGTGATGCAG
 AAATGGCGCACACTATTTGGAGGTGCAATGACGAATCTGCTGCTCGCCGTAATCTACTTGGCCTTCATC
 TCGTGGGGCTGCCAGACGGACTGCTCGGTTGCGCATGGCCACCATGAGCGGTGACCTGCATGCTCCAC
 TGTCGAGGGCCGGTGGCATCTCGATGACGATCAGTGCCGGAACCATCATCTCCGCACTGCTGAGCGACCG
 GCTCACGCTGAGATTTGGTGACGGGCGTGTGACGGCGTTCTCCGTGGCGCTCACTGCGGCCGCCCTCATG
 GGATTCTCCTTCGCACCGAACTACTGGGTTCTTATCGTGTGCGCCATTCCCTACGGGCTCGGCGCGGGTG
 GCGTGATGCGGCGCTCAACAACACTACGTGGCCATCCACTACACGAGCCGGCATATGAGCTGGCTGCACTG
 CATGTGGGGGCTCGGCGCGCTCATCGGACCGTACATGATGAGTTACGCCATGGCAAGCCGGCATGGTTGG
 CAGTGGGGCTACCGTTGCGTTGGTGTATCCAGCTCGTGCTACCGCCGTGCTCATCTTCAGCCTGCCGT
 TGTGGAAGAGGCGCCCCGTGCCGCGGACGCAGGCACGCAGGCCACGGACCGAAAGCCAATCGGCCTGCT
 CGGTGTATTGCGCATCAGTGGCGCCACGCAGATTCTCATCATGTTCTTTTGCTACTGCGCCATCGAACAG
 ACCGCCATGCTATGGGCCAGCTCCTACATGGTCGGCATGGATGGCATGGCCGAAGACGTGGCTGCGACGT
 TCACGAGCATCTTCTCATCGGCATCACCGTTGGCCGATTGCCAACGGCTTCTCACCATGCGCTTCTC
 CGATCCCGCCATGATTCGCATCGGCACCATGACGATCGGCCTCGGGGCGCTCCTGTTGCTCGTTCCCGTG
 CACAACCCCGCCCTCTCCGCCGTGGCGTTTCACTCGTCGGCCTTGATGCGCTCCGGTCTATCCGTGCA
 TCATCCACTCCACGCCCACATACTTCGGGGCCGATAAATCGCAGGCGATCGTCGGTGTGAGATGGCGTT
 CGCGTATGTGGGACCATGCTCATGCCACCATGTTTCGGCGTGATCGCGCAGGCCACGACGATTGCCGTG
 CTGCCATGGTGTCTGCTGGTGTTCGTCGCGTTTCATGGCGGCGATGCACGAGTGGCTGCGCGCATTGCGAC
 GCGACGACATGGCCGTCTGACATGTTCTGTAACAGGCGATGCCGTGCCATATGCGCCGTGATGCGCCTTA
 CGATGACCGTGTATGCACTGTATAGGCAAATATATGCAGCATGTAATCCGAGCCGACGACGTCTGAATGA
 GGGGGCGATGGCATGCCGATGGCGTTGGTGCGGTTGGTATACGTTGGCTTCGTCGCCATGGGGTTGCCGG
 AGGCCCCGCTCGGTGCCTCGTGCCGGCTATGGGGTCGGGACTGCATGCGTCACTTGCCGCCGTATCGG
 GATCCCCGTGTTATCGCCGACGGGGCCATGTGGGCTGCGCTGGCCGGTGAGCCTTGGCTGCGTCGCTGG
 GGCTCGGGGCGCAGTGTGGATGTTGGTGTGGCATGCACCGTGGTGGCATTGCTTGGCTTCTCGTTCACGC
 CGTCATATTGGCTGCTGCTGTTCTTCGCCGTGCCATATGGCGTGGGCTCCGGCCTGCTTGCCTCGCGCT
 CAACGCATACATAGCATTGCGCTTGGCGAGTGCGCATATTATTTGGATGCACGCCACGACGGCCGAGGT
 GCCATGGCAGGTACATACGATGCTCGGTTGGATCATTGCGAACGATGCCGACTGGAGGTGGGCATACCGCT
 GCATAGGCCTTGTGCAACTTGCCTGGCCATCGTGTGGTGAAGTGCACGAAGCTGTGGCGCGACGAAC
 GACCCCATCCAGCGCGCCACATTGGCATGCAGGCATATGGCGAGCGTGATTGGCATGTGACGCGCAT
 ACGCATGGCCGTCTGGGTGCGAGCCCTGAGATTGCGCGGCGCGTTCCCGACACTGTTGCTTCTGTTGCC

TACGCTTCGGTGGAGCAGAGCACCATGCTGTGGGCGAGCAGCTACATGGTGCATGCCGGCCACATGAGCA
 TCCATTATGCCGGTATCTACGGAACCTATTCTTCATTGGATTGACGCTGGGTTCCGTGATCGCAGGATG
 CTTGGCGCTGCGATTGTCCGACGGCGCGTTGCTCGGCGGGCGGCTTGGGCGTACTTGTTGCGGCGCTTG
 GTGATGATTGTGCCATGGGGTCATGGCGCGCCCTCGTCGCGCCGGTCATGCTCGGGTTTGGGTGTGCC
 CGATTAATCCGGCCGTCGTGCATATGACACCACGGCTGTTGCGGCGCTGTTACATACGATGACCATGATCGG
 CTGGGAGACCGCCGTCATCGCCGTGGCCACACTGGTGAGTCCCGTATTGTTGCGCGTGTCTCTGCCACG
 GTGGGCATGGCGGCCCTGCCGTGGTACTTGCGGTGTTTACGTGCTTGGCATACTGGCCGCCGTCATT
 TCATGAGCGTGTACATTTGCAATCGCGAGCGAGGTAGGAAATAATCGAACATATGTGCGAATGTATGGC
 AATGTTACGCGAACCCACACGCGTGTGGTTCTACGTGTGTTGCGGAGAACCACCGAGGCGCAGCGATTG
 GCATGGCCGGCGATCGGGCGACGCGAGAATGTGCTGGTCATCGCGCCGACCGGTTGCGGAAAGACCCTCT
 CCGCGTTCCTGTTGCGCATCGACTCGCTTCTGTCCCGCAGTGCCGCCGACCATGCACGCAAAGGCGTGCG
 CGTGTGTATATCTCACCGTTGAAGGCGCTTGCGCTGACGTGGCGAAGAACCTTGATGTCCCTTTGGCC
 GGTATTGCGAACAGATCGATGCCCTTGGCTCGCATGCGCCGACGGTCACCGTCGCCACCAGAAGTGGAG
 ATACGACCCCGAAGGAGCGACGTGCGATCATGTGCGATCCGCCGGACATTCTGGTCACGACCCCGGAGTC
 GCTGTATCTCATGCTCACTTCGAAAGCGCGCGGCATCTGAAAACGGTGGATACCGTGATCGTGGATGAG
 GTGCATGCGGTGCGCGGCACGAAACGGGGGGCGCATCTGGCGCTGAGCCTTGAGCGTCTCGATGACCTTC
 TGGAACGGCCGGCACAGCGCATAGGGCTTTCGGCGACGGTGAACCCGCTGAGCGTGCCGCGAAGTTCCT
 CGCAGGAGCATTGCCGGTGACGGTCATCGCCACCGGGGAAAGCCTGCACTCGACATCACTGTGGTCGAA
 CCGGCGAAGACCCTTGGTGACGGGCCCGTGCCAAATGGCAGGCGCAAGGGGGGTGCTGGGGAGGTGCGCA
 GCACTTCTGCGCAATGACCGGCGTGACGCGCGCATGCAACGCTTGGCGGAGCGCAAGGCGAGGGAACG
 GGATGGCCAAGGCGATCCGCAATCTGCAACCACCGGCGAGACAACCAAGCGATGGGGGGATTCTGCTGCCG
 CCGGGTACGCCGGTGAGCGAAGGCGCGCACAATCCGTGCGGGGTGAAATCCGCGTGGCCGGCGATCCAAC
 GCCATATTCTCGACGAGATACTCTCGCACCGCACCATTTGGTGTGTTGTGAATTCGCGCGGCCTATGCGA
 ACGCCTGACCGCGCAGATCAACGATCTGCACGCACAACGGCTCGGCAAACGCAATCCGGTGGAAGTGGCG
 ACCAGCGAGACGGACGAGCCAGCCACTATCATTCCACGTATGGGTCCACCACAATGAAAGTGGGGGCGC
 ACGGCCCTGACGAGCAGATTGCCATGGCGCATCACGGGTGGTGTGCGAAAGACCGCCGCAAGCAAATAGA
 GGAGAGACTCAAATCCGGACGTCTGCGTTGTGTGGTGGCGACGAGCAGTCTGGAGCTCGGCATTGACATG
 GGGTCGGTGATCTGGTGATTAGGTGACGCCGCCGTTGTGCGTCTCTGCGCTGACGCGCTGGGCC
 GAGCCGACCATAGGGTGGGGGAGTCTCGACGCCGTGATGTACCGGTGACACGCGAACAGATCATCGG
 CATAGGTGCCAGTGTGGAAGGCATGCTCAACGGGGCGATTGAACCATTGCATATGCCAATGAATCCTTTG
 GACGTGCTCGCGCAGCAGACCGTGCGGCCGCCAGTCTGGAGCCATCGCCGCCGATGATTGGTATGCGA
 CGGTGAGACGCGCCGCCCTTCGCTCGTTGGACCGGGCGATGTTGACGCCGTGGTGGGCATGCTCAC
 CGGCGCTATAATTCCGAGGACTTCTCGGCATTTGACCAACCGCTCATGTTGACGAGGATTCGGCCATG
 ATCTCGGCGCGTCCGGGTGCACAGCGCCTCGCGGTGACCAGCGGCGGCACGATTCGCGACCGCGGTCTCT
 AACTGTAGTGCTGCCCAGGCCGAGGCGGGAACAGGTCCGAGACGGGTTGGTGAGCTGACGAGGAGAT
 GGTGTATGAGACACGGGTGGGTGACATCATCACTCGGCACCACGAATTGGCAGGTGAGGAAATCACG
 AACTCCCGCGTGGTCTGGTGCCGGCGCCCGACGAAGGGCACGCCTGCCGTTCTGGCATGGGGAGGGCA
 ACGGGCGCGATTATTCCTTCGGCATGTGCTTGGGGAATGGGTGCATGACATCGCCGCGGGATTGCAACC
 GGCGCACGGCAATGTGCGGAACGCGCCGGAATCCCGATTAGCGACGTGGTCTCAAACGCCTGCGAGCC
 GATGGTCTGGACGCCAACGCTATGGAGAATCTGGCGGCCTTCTCTCCGAGCAGCGGGCGAGCACCGGTG
 TGATCCCGAGCGGTGCTGCGGTTGTGGTGAACGCTGCCGCGAGGAGGAGGGCGATTGGCTCGTGATCAT
 TCATACGCCGTTCCGGGCGTGTGTGCATGAGCCATGGGCGCTCGCAATCAACATGAGGTTGACGCAGCGT
 TATGGTTTCGACGGGCGAGATCTTCGCCGCCGACGATGGCATCGTGTGCTGCGTCTGCCGATGGGGAAGGAG
 GCATCGACGTGCGCGCGCTCATGACTTCGACCCCGATGACATTAGCGCATCGTGGAGAACCAGGTCTC
 CGGCGAGTGTGCTGTTGCGCGCCCGATTCCGTGAGGTGCGGGCGGTGCGCTGTTTCATGCCGAGGAACGAC
 CCGGGCAAACGAGTGCTCTATGGCAGCAGAGGCTGAGGGCCACCCAGCTGCTGGCCGCGGCGCGCACGA
 GGAAGAACTCCCGCTGCTGCTCGAGACCGCCCGCAATGTCTGACGACGTCTACGACGTTCTGCTGCT

CCGCGAAGTGCTCACCCGCATACGTGGGGGAGCCATCGACGTGCATGCATGCGAGACGCAAGTGCCATCG
 CCTATGGCCGAGCATCTTCTGTTTCGGTTTCGTGGGGTCGGTGATGTACCAGTACGATGTGCCGAGGCCG
 AACGCAATGCGCAACTGCTCTCGATGGATCCGCTGGTGTGGAACGGTTGTTGGGGACGGACAACCTGGC
 CCAGGTGCTCGATACACAGGTGATCGATTAGTGGCCGGCCAGCTGGCTTGAAGACCTTCTGGAACGAA
 CTCGACAAGCACGATCTGCGGGGACGCGTGAATCGCTACGCCAAGACGCATGGACCGTTCACTGCCGATC
 GCCTGCTCTCCGAACTTGAGATCGACGCGCAGACGGCCGTGCAACTGCTTGGTGAAGTGC GCGATGCCGG
 CGAGCTCATCAACGGTCGTTTCGACGAACGACTCGCTCCGGGGGTGACGCAATGGGTGCATGCCGACGTG
 CTAACGCAATTCGCTCGCAGTCGTTGGCCAAGGCCGGGCGGCAATCAAACCTGTGGAACCCGAGCGGT
 ACGAGGCGTTTCTCGTTCATCGGCAGGGTGTGCGCTCGGTGGGCGGCGAACGTTGCAAGGTCTGGATGG
 ACTCTTGCGTGCCATTGAACAGCTGGAGGGTGTGCGATTGCCGATGCCCGTGTGGGAGCGCCACGTGTT
 CCGGCCCGTGTGCGAGATTACACGCCGACATTGCTCGACGAGCTGGTTGGCTCCGGCGATGTGGTATGGG
 TGGGTGATCCACGGGACGCGCGAAGGGGGTGACGAGGCGGGACGCGTCATGTTCTTCCGGCGGACTC
 CCCACAGTTGCAGGTGCATGCTGAGGCATTGGAATCCTCCCTAGGTGAGCGGCTGCGCCGGAATCCGAC
 ATGCCGCTGACGGTGC GCGATGCGATACTGCTTGCCCTGCACGACGGTGGCGCTTACACGGCGCACTCAT
 TGGAGGAGCGTGCGCAATCCCTGTGGCAGGCGAATCCGAGCCGGAGGTGAATGAGACGACCGGCGAGGT
 GATGGCCACATCATGGTCCATTGCGGATTGAGCAGACCCTATGGTCATTGGTCTGGCATGGATTCAAT
 ACCAACACCTCCCTGCAACCAGTCCGGTGGTGTCAACGCATACGGGTGGAAGTAAGGCCACGGTGC GGT
 CGCATCGTCTCCGCTTGCGTGCCCGAATAACCCACACGCGGTATGTTGCGCGGCGGTCTGTGGTCACTGGT
 GCGCACCCAAGGCGATGCGAGCCATGAGGAGGCGATGATCGACCTGATAGGTATTCTGCTCGACCGCTAC
 GGCATCATTGCGCCCAATACGGTGTGAGATGCCGGTGTGCGCGGCGGATTCACTGCCATTTATCCGGTGC
 TCAAACGCATGGAGGAGAAAGGCACGCTATTGCGAGGTGTATTGTCGAAGGGTTGCGTGCCGCTCAATT
 CGCCGAGCGGGAGACGGTGGACCTGCTGCGTCACCATATCGATTCCGAGCCTGTGATGACCGTCAACATG
 GATGTATGCGATCCGGCGAATCTCTATGGTTCGTCATTGGAATGGCCGGCGCCGGCCATACTTGAATCCA
 ATGCCCCGACGGACTCAAACGGCGCGCTGCCGTGAAACCAATACGACGCCCGGGCTCATTGGTGGTGTCT
 GCGTCAGGGGCGCGCGGTGCTGTATGCGGCACTGTGGTGGGTGCTATCGTGCGTTTCGAGCCTTCGCCG
 AGCGTGCTTAAACGGCGGCGACGGCTTTGGAACAGACATGTTGCGGATTGCATGGGGCCAGCATCACTT
 TCCGTGATTGCAACGGCGTGCCATTGACGGGCGGCAACGCGATGTCCGACGCCCTTCGGCATGCCGGATT
 CACCCCGTCGCCGAGGGGCTCCGACTGTATCGATGAGGCGGGTATGGCGGGCAGCCTCCTCGCTATGAG
 CGGAAGAGCGGTCCGAACGTAGCGGTGGAGGTCTAGAATGCTTGTGTTTTGCGTTCTGCGTACAACGAT
 TTGGCATTGTACAGGGAAAGGACTTCACATGGGCATGCTCATTGCGTTGTTGCCGGCATTGTTCTCGGC
 TCGAACAGTGTGATGACGGCGAAGATCGACGGCAAGCCAAGTCAGGGGACGCTGGGCACCACCTTCGGCG
 CATTCTCTTCGCGGTGCTGATGGCCGTGTGCTACACGATTCCCCATGCAGGGGCGCATCGTTGCGGTTCAA
 TCCCCGCATCTGGGTGGTGGGCCTATGCTCCGGCATATTCTGGACGATAGGATCCATCGGCCAGTTCTCG
 GCCTTGAAACCGCTCGGCGTCTCTTTGGCGATGCCGATCTCCACGGCCCGTCAGGTGGTGGGCAATGCGC
 TCATGGCCGCCATCGTTTTGGGGGAGTGGCGCTCATTGCGAGTCTGGGTGATCGGGATCATCGCCATCAT
 TCTCGTACCTCCGGCGCCATACTGTGTTGCGCCAGAGATTCCGTACCGATGCCGTGCATATCAGTGCG
 AAGAACATGAAATTGGGCATGATCGCCCTGCTCATCTCCACCATCGGGTTCATGATGTACTTCGTGTTCC
 CGAACCTTCTGCACAAGACCGGGTATATCGACAACGCTATCTACAATGCGCCGGACGGTAACGGCCTGTA
 TTATATGACCGCAATGATCCTGCCGAGTCGGTTGGGCGAGGTGCTGCTGAGTCGCCATCATTGTGCTT
 GGCGAGCACAAACAGTCGCTCATCTTACCCGCAAGACCGCGCTGAACATCTTCACTGGCCTCTCTGGG
 CCATAGGCAACTGCCTCATCTTCATCTCGGCAGCCAACCCGAATGTCGGTCAGGCCATCGCCACGACCTT
 CCCCCAAGTGGGAGTGCTCGTCTCCACCTTCGGTGGCATCGTGATCCTCAAGGAACACAAGACAAGACAT
 CAGATGATCTGCATACTCTTCGGCACATTGCTCATCGTGGCAGGTGCGGTGCTTATGGCGATGTACACCA
 CCACGTGATAGGTATGAAGTCGGTATACGACAGGCCTCGGTGAGAGCTACTCTGACCGAGGCCTGTCGTA
 TACCGACTCTGCGATCTCACTTAGGCCGCGTAGGCGATCGGTGACGGCAGCTCGGTTCCCGAACCATCAC
 GACGCATATCCGGCGCCGGCAGCTCGACGGGATGGCCCCCGACGTTGCGGCCAGCAGCGGGTAGGAACC
 CACGCACGCCCTGATCAACGTGTTCTGCCCTTGAGGAAGCGCTGCGAGCGCACACCACCGGTGCTCTT

CCCTTGGTGGGGTAGAGCTCCAATGGCGTGACCTTCGCCGCACCGTTCTCGGTGCCCCGGCAGCGCATCCA
 CATCGCCGGCGACAGTGAGCACCACGGCTCCACTGGCGGGAGAGAGCAGATTGCCTGCGTCATCGTGCTC
 GGCATCATGCCATTCGACATCGGCGTGCGCAACCACGGCGCAGGAGAGCACCGTACATCCATCGGCGAGA
 TGTATGCCGGCCATGCCTGCCGCAGTGCGGCCCTGGGGACGTACATTCTGGCCTCATACGTGAGCAGCG
 AGGAATCGGAGGAAACGAACACGAAGCGGTCGTGTCATGCGCATCGGCCGCCACAAGCAGCTCGTCCCC
 GTCCTTCAAATCGATGATGCTCCAGGAATCCATCGTGTTGGGGGATTACAGGTTCCAGCGCTTACAATG
 CCGTTGCGTGTGCCTAACCCGACCGGCGGCAGCTGTGCCGCCGTATCGTCTGCCGACGGTGTCGCGTA
 GCGCGAGCGTGCGCATCACCCGTTCCGCCGGGCACCGGATCGGTGCTTTCGGTGGAGGTGAGCAGCTCGGT
 GGCTTCAATGCCTCCTGTGAGGCTCAGGTGGCCGGTGACCTCCAGATTGGCAGCTCCACCACATGGGCG
 AGCACCATGCGGCCCGCGGAGGTGACCAACGCATAGTCGGCACGGGTGCGTGCCGGCATCAGCGAGACGA
 TCACATCGTCGGGTTACGCTTTTCGGTGTGAGCGCCTCGTTTGGCCCAAATGGTCAGGGCATCGATGCT
 CATGCGGGCTATGAGCCCTGAGGCGCTCAATGCGATCACGCATGGTTCGTCTTCTATCCGCAGCGCCTCG
 GCGGTTTCGCCGGCCTTACGGGCTGCCGCCACCGCATCGGCGGCGTCGAGTACGTTCTCCGCATGGCGTG
 CGGCATCGAGTGCGGCGTCGGAAGGCATGTCATCGCCGTGGGCCACGACTGGCACGAGCCGGCCGTCGTC
 GCCCTCATCGAGCAGCACCGTCCGTCGTGGCGTGCCGTAGGTTGCCACCGCCTTGTCATCTCGTCGATC
 ACCACGCCATCCAGTAATGCGGCCGAGCCGAGGATGCGCTCCAATTTCGGTGATCGACGACTGAAGTTCGT
 CGCGTTCGGATTGAGTTCGATGCGGCTCATCTTGGTGAGTCTGCGCAGGCGCAGGTGAGAAATGTATTG
 CGCCTGAATATCGTCAAGGCTGAATCGGCTCATGAGTCCGTTCTTGCCGCCTCCGCATCGTCGCTTGA
 CGGATCACGCGGATCACCTCGTCGATGTCCACCAAGGCGAGCAATAGACCCTCGACCAGATGCAGCCGCT
 CCAACGCCTTCTGACGGCGGAACTCACTGCGGCGCCGGATGACACCACGCCGGTGTTTCGATCCATACATC
 GAGCAGGGAACGCAGTCCGAGTGTGTGGGGGCGCCCATTCACCAAGGCGACATTGTTGATGGCGAAGTTC
 TCTTGCAACGGGGTGTGTTTGAAGAGCTGTGCCAACACGGCTGCCGGGTGCAATCCCGTCTTGAGCTCGA
 TCACGATGCGGGTGCCATTGTGACGGTCCGTCAGGTGCGATGGCACCGGAGATGCCGTGAGCTTATGGTT
 CTTACACCCTCGGAGATGCGTTCGAGCACACGCTCGGGACCCACCATGTATGGCAGCTGCGTCACTACG
 ATGGCCTTCTGCGTGCGGTGAGATTCTCCACATGTGTGGCGGAACGGGTGGTGACCACGCCTCGGCCAG
 TCTCATAGGCATCTCGGATGCCTTGTGCGCCTATGATGATCCCTCCGCCCGGCCAATCAGGTCCGGGCAC
 GTATTGCATGAGGTGTCGAGTGTGGCATCGGGATGCTTCATCACGTATTTGGCTGCGGCGACAACCTTCG
 CCGAGGTTATGCGTGCCATATTCTGCGCCATGCCGACGGCAATGCCCGAGGCGCGGTTGACGAGCAGGT
 TAGGAATCGCCGACGGCAGCACGGTCGGTTCCTTGAGCTTGTGTCGTAATTCGGCACGAAATCGACCGT
 GTCCTCGTCGATGTCGGCGTTCATGCCGAGCGCGGCGGGTGCAAGGCGTGCCTCGGTGTATCGCGATGCC
 GCAGGACCGTGTCCAACGAACCGAAATTACCGTGCCGTCGACCAACGGCAGCCGCATCGCGAATGGCT
 GCGCGAGACGCACCATGGCTTCGTAGATCGCCGAATCTCCATGGGGGTGCAATTTGCCCATCACCTCGCC
 CACCACGCGGGCGGACTTCATGTACGGGCGCGTGCGGCGAGGTTTCATCTGACCCATCTGGTACACGATG
 CGGCGTTGACCGGCTTCATGCCGTGCGGTGCATCCGGCAACGCGCGCGCTAGATCACCGAGTAGGCAT
 ATTCAGGAACGATTTGCTCATCTCCTCGGCGAGCGGGGTCTCCACGATGTGCTCCTCGACCTGCCGGGG
 GTCGTACCCGGCGCTGCCTGCCTGCGACGCGTCATATTTGCTCTCCCTTATCCAATGAACCGTCCCATT
 CTACCCCGTCCGCGCCGAAAGACCCATGTGGTGAAATGAGTTCGCCACGCGTGCCACGAGTCCATCAA
 CCGCGCTTGAATAGCAGTATGAGCGTAGATATTCCAGATTCCGGCACACTCCTCGGCTTTGTTCCACAG
 CACAGTACGGCGATGAGATTGACGCCGACCGGCCGAGCGATGTGCCGGCTGGTCTCGGGAATGCACAGCA
 GGGAGCCCGTGAGGCGCGCTGCACATCTCCGCGGTGCTGCCGGCACTCAGTGCGGGCATCGGCACACCG
 GTGCGCACCGATGTGCACGTGACGCCGAGGGCTTGCGCCAACGGCTCGGCATGCCGCGCGCCAAATCAG
 CAATTGTGGTGCTCGTGATGGACTGGGGTACTGGAATCTCAACATGAAGCTCGGTTACGCGCCCTATAT
 GCGCTCACTCATGAACGAACCGCTCAACCAACGTCCGATCAGCACATGCTCGCCAAGCACCACCGCG
 GCCATGGCCACCTTCGGCACCGGCACCTGCCAGGATTGACAGGCATGGCCGGCTACACGCAGCTCAATC
 CCCGCACCGGCGCGTTGAGTCAACTCATCCAGTTCGTTGGTGCCATACATCCCGAAGAACTGCAGACGGA
 ACCCACTGTGTTCTCGCTCATCAGCGATGCCGGCAACCGCGCCACCAGCGTGGGGCTGACCAGATTTCATG
 GCGTCCCCGCTGACCCGTGCGGCGTTGTGCGGCTCCGATTACATTGGCCATGACGATGCGAACAACCGCG

TGC GCATCGCCGCCGACACCGCCAAGGAACCCGGGCTCACCTACCTGTACATGCGCGAGATAGACAAGGC
 TGGCCACGCATACGGTTGGCACAGCGACGAATGGCAGGTGGCCCTCGAGCGGGTCGACATGCGATTGGGG
 CAGTTGCACAGGCAAGTCCCGAAGGGCACGCTCATTGTGGTCATCGCCGACCATGGCATGGCGACCGCGG
 ACCAAGGCGACGAGGCGCGTATAGACATGGCCTTGGATCCGGTGCTCCAGCAGGGCGTGAGACTGGTGGG
 AGGCGAACCCCGCGCCACGATGCTGTATGCCAGGATGGCGTGGATGCCGAGAGCATAGCCGAACGTTGG
 CGTGCGCGACTGGGGGACCGTGCGTGGATCCGCACGAAACAGCAGGTGATTGATTGCGGTTTGCTCGGAC
 CAATGCGGCCCCGACGTTCTGAGATGCTCGGCGATGTGTTCTGTCTATGCCGCCAGAGAGAACACGATCGT
 GGACACGCGCTCGAAACCGAAGGAGCCACCCGCATGCCGGCGTGATGGATCGCAGACGATGATGGAG
 ATGGATGTGCCCTGCCTCATCGATCTCGTCGACTGAATCCGACATATTCAGTCGTGTTTATGCGGATCCT
 TGCCGAACATGATCTCGTCCAGCTTGGCATCGATGCCCGGTTGATCGGTGCGGGCAATGCTGCTCCGA
 GGTGTTCTGTGGACCTGTGGCTGTTGCTGGGTGGGGGTGTCGTCGTCGCCATGCTGCTCCGGCTGGCTT
 TGCACGGCATCCGGCTTGATGGCAGGACGCTGGGCCCCGGTGTTCTTCGGAGTGAATTGCGCTGGAGCCT
 TCTGCTTGGGGTACAGTGCCTGATCGGCACACGTTTGCAGCTGTGACGGTTCGTGGGTCTGTGTTT
 TTGGGATGGAGCGGGCTCAGGTGCATCGTCGGAATGTGGGGAGTCAGACTGGCTGGAGGTGTCGGTGCCC
 TTCTGCACCGGCTCTTCGACCGCGGATGGTGCAGATTCAGACTGCGAGGCTTCTCGGCAGGTGTCGTGC
 CGGCGTCTTCGGGCATGGCGTCCATGGTGGCATGGGCGTATGCGTCCGCGGCCCGTGCGGTATCGGTTGC
 GGTGCGGGCCTCGGTCTCATTGGTGCAGCTCTCTGTTCTGTTGGAAGGTTCTCGTTTCCCGACCCA
 TTCCATGCTCGCATGGTCTGTTGATGCGCGCCGAACGCGCCGAATCACCTGGCAGGTGACGGATGAGG
 GGAGGGCCTCGTCGAGGGCGGTCTGAGTTCCCGCATCGTCGAACGAGGCGCCTGTGACAGATCCCATCTC
 GCCGATCAGCTTGCTCGCGCGGTTGTTGATGCACACCAGGTGTTGTCGTGCATGTTCCACGACCATTCG
 GCGTGGATCCGATGCCCCGCCGAGATGAAGGTGGCGCTGATGCGCCACGGTTCAGACCCCGCCGCGTCG
 CTTCCATTGCACCGATTGCGGGCGCACCCGTGCGGCCGCCAAGGTGCGGTCAATGAGCTCGGAGAGCGT
 GCGCACCTTGCTTTCCTTGGGTGCGCGCACACGCAGGAACGTTGATGGCGTACTTCTTCTCCGCTTCG
 ATCAGGTGGCGAATCTGCGCACAATCACCTCGCTCAGCTCATACTGCCGAGCGATGTGCTCCGGGTCCG
 CGCCGGCGCGGATCAGCGATTGGATCTGCGAAATGGGCAGCGTGCCTGCTGGTGCACCGCGGTGGTAT
 CCGTTTCTCTGAACGATTGCTTGGCTCCAACATGGCCGTTTGAATGTATCGTCGACACGCACCAGG
 AACGGCATGCCGTGCGCCGTGAACACCAGGTACCGTCCGGTGTCACATGGTGAATTGTGCTGCGGGGA
 AGGAGCCAGTACCCATTTTACGCCTTCGTCGTCATCGAAAAATGTGAACATTTACATTGTGCCCTCGT
 GTCGGATTTTACGGTGTGTTGCCAAATCGTGTATCCTATGCGGGGAATACTTGCCTAGTATTACACGTTAAT
 ACGGGTACGTAAAAACACGTAAACGAAAGGAATCCTCTCATGGCACAGGACTATGATCCCCGCGTAGCAA
 GGACGAGGACGAGGAGTCGCTCCAGGCGCTCGGCAAGAGCTCGCAGAATGCCTCGAACGACATGGATGAC
 GACGAGAACGCCATCGCCGAGGATTACGAGCTGCCGGGTGCGGATCTGAGCAATGAGGACGCTTCGGTCA
 CCGTGATCCCCATGACAGGTGATGAGTTCATCTGCTCGGAATGTTTCTGGTGAAGCATCGCAGCCAGTT
 GCGGTACACCACGCTGATGGCCAGCCGGTATGCAAGGAATGCGCCGCTGATGTTGACGAGGCATATG
 TGGAGCCGGAACGCACCGAGGTATTGGTGCACCGGTCAATCCGGCACAGCCGGTGGAGTTGCATTACAT
 GCATGCGGGGGACGCCGTGCGGATCTCGTGACGACTGCACATGTGGAATTGGGACCTTCCAGCGTGCA
 CTGGTCCCAACCGGTGTACGCATCGCCTTGCCCGCCGGCTATGTCGGCCTGGTGCACCCGCGATCGGGAT
 TGGCCGTGAAGCAGGGGGTGACGGTGCTCAATGCGCCGGGGACCATAGATGCCGGATATCGCGGTGAGAT
 CAAGGTGCCGTTGATCAATCTCGATCCGGAACACACCGCGGTGTTTGAACCGGGCGACCGTATTGCGCAG
 CTGGTGATTACGCGCTATGTGCAGGCCGAATTCATGAGGCGTCCGTATTGCCGGGTTCCGACCGAGCGG
 AGCGTGGGTTTCGGCTCGAGCGGAGTGTGACGCGCGCATCCATGCCTGTTACGCATGGATGTGCGATGTG
 CATTTTCGGAGGCAAAACGACTAATCTCAAATCCATATCGGAGGAGAGCAAGGAGGGTTGAGAGCGATGAG
 CGAGCATGAAGAGGATCTGCGCCCCGCCAACATGCTGGGCTGTGAGATCAGCCCGAATCCACTTGACCCA
 CTGGCACCGATCGAGGCGATGTGCCGACAGCACCATCCCGATGAGGACATGGAGATTCTGTACGCGCTT
 ACACCCGCGCGGTGATCCAGCATGCCGAGCAACGCCGTGCTTCCGGCGAGCCGTACATCATTCACCCGTT
 GGCAGTGGCGCAGATTCTGGCCGACCTCGGCATGGGTCTAGTGTGTCGCGCGGGGATTGCTCCACGAT
 ACCGTGGAAGACACCGACTATACCCTCGATGAGTGCCGCGCCGAGTTCGGCGACACAGTGGCCGGTCTGG

TCGACGGCGTGACCAAGCTGACGAAGATGGATTATGGCGATTTCGGCGCAGGCCGAGACGATCCGCAAGAT
GGTCGTCGCGATGAGCCGCGATGTACGGGTGCTCGTCGTCAAGCTCGCCGACCGTGTGCACAATGCCCCG
ACCTGGCGCTACGTCAAGCCCTCCAGCGCGCAGAAGAAGGCCCGCGAAACACTTGACGTCTATGCACCGC
TCGCCAATCGCCTCGGTATGAACGCCATCAAGACTGAGCTCGAGGAACTGAGCTTCAAGGTGCTCTATCC
GAAGATCTACAACGAGATCGTCGTGCTCGTCGAACGCCGTGCCGGTCAGCGCGACGTGTACCTGAAGCAG
ATCATCGAGGAGATCCACGAGGATCTCGACGACGCGCACATCGACGCCTATGTGACCGGCCGCCGAAGG
ACTACTTCTCGATCTACCAGAAGATGATTGTGCGCGGCCATGATTTCTCCGACATCTACGATTTGGTGGG
CGTGCGCATCATCGTCGATTTCGATTGCGGACTGCTATGCCGTGCTCGCGCCGTGCATGCACGCTGGAGC
CCGTTCCCGGCCGGTTCAAGGACTACATCGCGATGCCGAAGCTCAACATGTACCAGAGCCTGCACACGA
CGGTGATGGGACCCGGCGGCAAGCCGGTGGAGATTAGATTTCGCACGTGGGACATGCACCGGCGCGCCGA
ATTCGGCATCGCCGCCATTGGAATACAAGGCGAACGGTCAGGCGGGCCGTGCGTTGAGCGCCCCGAT
AAGTCCGATCTCAAGCGCGGGGACAGGAACCTCGAGGAGAAGGACAATCTGCAATGGATCCAGCAGCTCG
CCGACTGGACGAGCGAGACCCCGGATTCCAGCGAGTTCCTCGGCTCCCTCAAAGACGACCTCGGTTCCGC
CGAGGTGTACGTATTCACCCCCAAGGGCAAGATCGTCTCGCTGCCGTGCCGATGCCACACCGGTGACTTC
GCATACAACGTGCACACCGAGGTCGGTCACCGCACGATGGGCGCGCGTGTGAACGGGCGCTTGGTCCCCC
TCGACACCAAGCTGGAGAATGGCGACACCGTCGAGGTGCTCACGTGAAATCCGACACCGCGGCCCGTC
CCGCGATTGGTTGAGCTTCGTAAAAGCCCGAAGGCGCGCAACAAGATTCCGCAATGGTTCAGTAAGGAA
CGTCGCTCCGAGTCGATCGAGGAGGGGCGCGACGAACCTCACACGTGCGATGCGCAAGCGCAACCTACCGG
TTTCCGCATTGCTCACGCCGAGGGCGCTTGTGGGAGTGGCCGACGATCTCAACCTGCTGAATGCCGACGC
CGTGCTCGCGGCGATAGGCGAGGGGCGAGGTGTCCACGCAGAATGTGATCACCCATCTGGTCAAGGACGCG
GGAACGAACGAAGTAGCCGAGGAGGCCGAGCAGGAACCTTGCCGCTGCGGCCACGCAGGCTTCGAAAT
CGAAGGGCAACACCCCGGGAATCGCCGTCAAGGGCGTCACCGACGTGTGGGTCAAGCTCGCCATTGCTG
CATGCCGGTGCCGGGCGACAACATCATCGGCTTCATACCCGCAACGAGGGTGTCTCAGTACATCGCGTA
GATTGCCTGAACATGATCAACCTGAGGAAACGCGAGCCGGAACGTGTGTTGACGTCTCTGGACGAGCA
ACAAGGTCTGTTTATGGTGAAGATTAGGTGGAGGCGCTCGATCGGCCTCATCTGCTGAGCGATGTGAC
CCGCGTGCTTCCGACCATTGGCGTCAACATTCTCTCCGGCACAATCGCCACTGGTTCGATCGTGTGGCA
ACGAGCCAGTTCAGCTTCGAGATGGCCGACCCGGGCGACCTGAACACGCTGCTGTGCGCGGTGCGCAAGA
TCGACGGCGTCTTCGACGTGTACCGCATACCGGTGCAAAGGACTCCAGCGAGCCGCGCATGCGCCGGAT
GCGCGGACCATTACCGTGAAGTACCTCCACGGCATGCACCATATGAGATGAAACGACAATGGGGGCGGCCT
TCCACGTGGAAGGCCGCCCCATTGGGATGCAGGTGGGTGCAATCAGTCGACGATCTCGATGCCCTCGAT
CATGACCGGCTCGAGCGGGCGATCCTGCGCATCCGTGGCCACACCGTCAATGGTGGCGACCACAGCGCGG
GAGGCCTCATCGGCGACCTCGCCGAAGATCGTATGGTGGCCGTTGAGCCACGGGGTCGGCACGGTGGTAA
TGAAGAACTGCGAGCCATTGGTGCCGTGGATCTTGCCGTGCGCGCCGCGGCGCAGGCCGGCGTTGGCCAT
GGCCAGCAGATACGGCTTGTCGAACCTTGAGCGACGGGTGATCTCGTCGTGCGAAGTCATAGCCGGGGCCG
CCGGTGCCGGTGCCAGCGGGCAACCGCCCTGGATCATGAAATCCTTGATGATGCGGTGGAAGGTGAGGC
CATCGTAGAAGGCCTCATGGCTTGGCTTGGCGGTGAACGGATCGGTCCACTCCTTCTTGCCGCTGGCCAG
GCCGAGGAAGTTCTCCACGGTCTTGGTGTCTGCTCGTGAACAGATTGATCTTGATATCACCTTCGGAG
GTGTGCATGATAATAGTGCTCATAGCCTCTACCGTAGCACAGGGCGACTAACGGGTGTGAGGTTTTCCG
TGAGCGCTTAGGCCGTTTCGGTTTGGCGCACTATAAGCAGATTGATAACAACGCGCGTGCCTTCATGA
CACCATGCCGTATGGTTGAACACGGTGTTCGGGAGAGGGAATCTTCGGCAGATCACACAGAGAACAGC
AACAGAGGAACAACAGAGGACAAGGCAATGACTTCGAACAACACGCAGCCAACCGCTCCGAACACACCGG
AGGAACCGGTACGCGTCAACCACACACGCAACATCGTCATCGCCGTGGTGGTTCGTGGTGGCGATTGT
GCTCGCCATCGTCTTCGGCATGCGCGCGGTGAACAAGAACGACGATTCACCGAAGGGCTCCAAGAACAAC
CCGGTGGTGTGATCGGCGTGGTGGCGGCCACCGATCCGCAAGTGGATGGAGTTCACCAAGCAGGCCGAGCAGC
AGGGCGTGTACGTGACGATCAAGGACTTCAGGACTACACGAGCGAGAATCCGGCACTGGCGCAGGGCGA
CCTCGACATGAACGAGTTCAGCATCTGCTCTATTTGGCCAACTACAACGTGCAGAACAAGCAAACTG
CAGCCGCTCGGAGGCGTCGCCATCTACCCGCTCGGCGTCTACTCCGCTTCGACAAGGACGGCAAGCCGA

GGTACACCGACATCAAGGACCTGCCGGCTGGCTCCACCGTCGCCATTCCGAACGACGAGACGAACCAGGC
 TCGTGCAATCGGCGTGCTCAAGGCCGCCGGCGTCGTACGCTGAAAGGCGACTGGACGGCGTTACGATC
 CCGCAGGACATCGATGAGGCGAAGTCAAGGTCAAGGTCTGCCGATGAAGGCCGAGCAGATTGCCAACA
 CGCTCAAGGCAGGCGGCGACGATCTGTCCGCGGGCGTCATCAACAACGACTATGTGGCGGACGCGGGGCT
 CAAGCCCACCGATGCGATCTACCAGGACAACGCCGAATCCGAGGAGGCGCGCCCATACATCAACATCTTC
 GCCGTGCGCGCCGACGATGTGAACAACGAGGTGTACAAGAAGTGCCTGGAGATCTACCAGACGAAGCCGG
 TCCTCGACGCCCTGCAGGAGGAGTCCGGCGGCACCGCGGTGTTTGCCGACAAGTTCTCGCAGCAGGAGCT
 GGCGAGCTATCTGAAGCAGATCGAGACGGATATCAAGAACAAGTGAGCCGTTATAGCATGGCTGCAGAT
 CGCTGAACACAATGAGCAGGTTGGGGAGAGCTATCCCCAACCTGCTCCCATATACACGACGTTACACA
 CTCGCCATTGGGTGCGCTACCATATGCGAGTATCCGGCCGAGTGCAGGCACCGGACGGAACCTCGACG
 TAAACGGAGAAGTTAGAGGGAAATGACGCAAGAGAAGAACGCCATCATCGAATTCGACCACGTGAGCAAG
 GTGTATGCCGGGCGTGGAAGAAGCAGACGAAAGCGGTGACGATGTCACACTGTCCATTGACGAGGGCG
 ACATCTACGGCATCATCGGCTATTCGGGAGCCGGCAAATCCACGCTGGTGCGCATGATCAACGCCCTCGA
 GAATCCGACAAGCGGCACGGTGACGGTGATGGGCCAGCAGGTCTCGGGCATGAGCGAGTCGAAACTGCGT
 GCGGTACGACAGAAGATCGGCATGATCTTCCAGCAGTTCAACCTGTTCTCCACGAAGACCGTTGCGCAGA
 ACGTGGCCTATCCGCTGCAGCTCGACCACTGGCGCAAAGACTATCAGGACAAGCGAGTCAAAGAGCTGCT
 CGAGTTCGTGGGCTCTCCGAGCATGCGAACAGGTATCCGGCACAGCTTTCCGGCGGCCAGAAACAACGT
 GTGGGCATCGCACGCGCGCTCGCCACGAACCCTAAGATCCTGCTCGCAGACGAGGCGACGAGCGCCCTCG
 ACCCGAGACGACCACCGAGGTGCTTGAATTGCTCAGGAAGATCAATGAGCAGCTCGGCGTGACGATTGT
 GCTCATCACGCACCAGATGAACGTCGTGCAGCAGATTGCCACCATGTGCGGGTGATGAGCGGCGGGGCGC
 CTCGTGAGAAAAGGCACCGTGACCGGGTGTTGCCCGCACCGCAGGAGGAGGTGACGAAGCGGTTATCG
 CCACCGCCATGTGGGATTGCCAGACGAGACACGCGTCGAACAGATGCATCGGGATTGGAGCGGCCGCT
 CGTACCGTGATCGTGCGACAGCACGACATCGACGACGAGAATGAAACACGCGCATACCGTCTCAGGA
 CAGAACATCTCCGAGCTCATCTGAAGCACGGCGTGGAAGCAACCTCATCTATGGCGGCATCGACACCG
 TGCAGGGCGTCGAATCGGCGCAATCACCTACACCTTCGACGGGCCGGAGGCCGAAGTGGAGCCGTTCTT
 TGCCGAACCTCGCCGAAAACAGCGACATCGTCGATTTGGGCACCGCCGCGGAACCGGTGACTATGCGCAG
 GCGGTGGAGCGAGCGGGAATTGCCGCCCCGAGAATCGCGCCGCTGATGACCATGCGAATACGAACGCGC
 TTGATTTTCGAGCAGGTGGACGATGTGGTCACCGTCAGCCGAATCAACGGGCAGGACACCCGGGAGCGCA
 AGCCGACACCCGTGTCGCGTCTGATGACGCGAACGGTGCGCGAAAGGAGACGAAGTGATGCATATTCTCG
 CATTGACAGACGACCCTCGCTCACGCACTGACTGGAGCGTCTTGAGACCCCTGCTTGGACAATCCGT
 GGTGACAGCGCTGCAGATGGTGCTCATCAATCGTCGTGAGGCTTCTCGGTCTCATTCTCGGTGTC
 ATACTCTACGGCACACGTCCGGGCAACCTGTTGAGAACCGGTATGTGTACCGCATTCTCGACATTCTGG
 TGAACATCATCCGCCCCGATCCCATTATCATCTTCTCGCCGCCATGCAGCCGCTACCATCAAGGTGAT
 CGGCACGTGATCGGCACCGCGGCGGCGGCGATTTCCTCGATGTGCGTGATGTGCACTTCGCAACCTCCCGT
 CTGGTCGAGCAGAACCTCGTGCCGTCGATCCAGGAGTGATCGAGGCTGCGCGTTGATGGGTGCTCGA
 AATTCACGATCATTCGCACGGTGCTGATCCAGAAGCCTTGGCACCGCTCATCTCGCCTATGCCTTCTT
 GTTCATCGGCGTGCTCGACATGTCGGCGATGGCCGGCTACATCGGCGGCGGCGGCTGGGTAACCTCGCA
 ATCGCCTATGGTTACCAGAAGTTCGACCAGACCGTCACCTGGACCGCTGTGATCATCATGATCCTGCTCG
 TACAGGTGGTGAGTCGATTGCCAATGCGATCGCCAAGCACCTGCTGCGTCGCACACAGAACAACGAAC
 GATGGGGCGCCCGGATCGGCGCCCCCTTTGCAATTGCGCCATGCTGTATGGGCAACACGGATTGGACTCC
 GTGACCTCGTTGCCGACTTCGAAGGAGGGCATATGACCGACCATACTGAGCATGTCGAGATTGCGCTGAC
 CGACGAGCTGCTAGGCATTGCGCGCCGGCTCCACCGGCATCCGGAACGCTCATTCAAGGAGTTCGAAACG
 AGCATGAGGCTGCGCAATCTGCTCGAATCACACGGCATCACGGTGCTGGACAACCCGCTTGACACCGGTG
 TGATCGGTGAGATCAAGGGAGAGCATGATGGACCGCAGATCGGTTTGCGTGCCGATATCGACGCGTTGCC
 CGTGACGAGGACTCCGGACTCGTCTTCGCGTCCGAGAACGAAGGGGTGATGCATGCCTGCGGCCACGAC
 ATCCATATGACATCACTGCTGGGGGCGGCATTCTGGCTGGCGGCTCATCGGGAGCTGATCCACGGGACCA
 TTCGATTGGTGTCCAGCCGCGCGAAGAAGTCCGGGAGGGGGCGCGTGCGGTGGCCGATGCCGATTGGT

CGACGGCCTCGACGCGATGATCGGCACACATAACAACCCCGATTATAAGCCCGGTGAGATTGCCGTGCGC
 GTGGATCCCATGATGGCGGGATGTGTGAAATTCCGGGTGAACCTGCATGCACAGGGCACTCATGCCGGGT
 ATCCGCACCGGGGTACCGGGCCGCTTGAGGCGATGGCGGCGATGGTCCTTCACTGCAGACCATTGTGAG
 CCGCAATGCCTCGCCATTCCATCCACTCGTCATCTCGGTGACCGAGGTGCATGGCGGCGACGTGTGGAAC
 GTGGTGCCAGCCGAGGCCGGATTCCAAGGAACAGCACGCTACTTCCACCGTGAGGACGGCGATCTGGCGG
 AACGCCGATTACGGCAGGTCATCGAAAGTACGGCTGCCGCCTACGATATTGCCGTGGACTATGTGTGGGA
 CGATTTCAGCGTCCGCTGGTGAGCGACCCGGATCTGGCGACGCTGGCCATGAGCCATGTGCCGGAATAC
 GCGCAGCTCGAGCCGATTACCCATCGATGGCAGGGGAGGATTTCGCGGAATACGAGGGCCACACGCGCT
 TGTGTTCGCCTTCATAGGATCGAATGGCTCCGGAGGTTGTGCCGACCTCCACTCACCGAAGTTCGTTGC
 GCTTGATGACGCGGTGAAAACCGGTGCCGAATTCTATGCGAACTCGGCGTTGGAAGTGCTCGAGCATCTG
 AGCTGAGTGCCATGAGGGGGCGATCGCCGAGGGAGTGTCGGAGCGTTCGCGAAAGGCTTCGCTACTGGA
 TCGCAAGCGCCCTTACGTTCTCAACCTTGCCGGGCGCCGCTGCGCGTTTGCCCGCCACCAATCACTG
 ATGCCACTGATGCATCGTGCTCTTCCGACACGCGATGCGCTGAACGGTGCGGTTGTAACGGTGACGGGC
 CTAGACTAGGAAGCTATGACCAAGCTTCGTTTTGCACTCGCACAGATCGACACCTGTGTCGGCGCCCTCA
 AGGGCAATGCCGACAAGGTTCTGGAATACGCATCACGCGCCGCTCGAACAACGCACAGGTGGTGGTGT
 CCGGAGATGACACTACGGGCTATCCATTGAGGATCTCGATTGCGGCGCACCTTCGTCAGGGCCGCC
 TGGGACACCGCCAATGACTTGCGCAGCGTCTGGCCGACGACGGAAGTTCGCTCTATGTGGTCTGAG
 GCACCGTGGGCACGGAGCACAGCACAGAAGCCATACAACCGGCTTGTCGTAAGTGCACGACGGCGTCGT
 ATGGGCGGGCTATGACAAGCATTTCTGCCGAATATGGTGTATTCGACGAATTCGAATCTTCGCGTCG
 GGCGACCGTTCCGTGACGATGGACATCGACGGCGTCAGGCTGGGTTTTGCGATCTGCGAGGACATCTGGC
 AGGAGGGCGGTCTGTGCGCGATTTTGCCGAGCGGAATATCGATGTGCTCGTGACGATCAATGGTTCGCC
 GTACGAGGAGGGCAAACCGATACCAGACTGCAGCTGTGCCGTGCGCGTGCCGCGAGGTCGGGGCACCG
 GTGATCTACGTCAACCAGGTGGGAGGCCAGGACGACCTCGTATTCGACGGAGGCACTTTCGTTGTGGATG
 CGGATGGCACGTTGCTTGAACGCTCGCCGATGTTCTGGAGGACCTGAGCTACATCGACATCGATTCCGC
 TGCGGCCACCCAGAAGCCGGCCGACATCGACCCGAGATGGATCCTGACGGCGAAGTGTACACGGCCTGC
 GTGCTCGGTCTCAAGGACTACATGGTGAAGAACGGTTTCAACGGAGTGTGCCTGGGACTGTGCGGCGGCA
 TCGACTCCGCTCTGGTGCCACCATGGCAGCCGATGCCGTTGGCGGTGAGCATGTGCAGGGCATATCCAT
 GCCGAGCATGTACTCGTCGAGGGGTGGAAGGACGATGCGGCCAACTCGCCGAGAATCTGGGCGCCTCG
 TACGATGTGCAGCCGATTAAACCGGAATTCGATGCATTCCAGAAGCAGTTGGATCTCGAGGGCGTGCCG
 CCGAGAATCTGCAAGCCCGCATCCGCGGCGTCATCGTCATGGCGTATTCGAATTCGAAGGGGCTGCTGGC
 CCTGGCGACGGGCAATAAGTCTGAGCTCGCCTGCGGGTATTCCACCATATATGGCGATGCCGTGCGCGGA
 TACGCTCCAATCAAGGACGTGTTCAAGACAAAGGTATGGCAGCTGTGCGGTTGGCGCAACAAAGCGCTCA
 AGGAAGGTCTGGGGCTCGGGGCAATTGCCGTTGGTTCGCTACGACCCGAATGCGGAGGGCGTCGTGCCCG
 CAGCGGCGAGCTCATCCGAACAATTCCATCGTGAAGGCACCGAGCGCCGAAGTTCGGGCGCCGAGCAGAAG
 GACTCCGATTGCTGCCTGAATACTATATTCTCGACAAGGTGCTCACCGCCTATATAGAACATTCCGAAG
 GGCGGGCCGATCTGCTCGCCCATGCGGATTTGACGAGCAGACGGTCGACACCGTCATGCGTCTCGTCGA
 CCGTGCCGAATGGAAGCGTCGCCAGTATCCGTTGGGGCCGAAGGTGAGCGCGCTCGATTGGCCGCGAC
 CGCGTCTGCCGCTACCGACGCATTCCGCGAATAACCGCGTAGCTATACCCCATGATGTGAGACAAGGA
 GAATGACATGACAGAACCGCAGGAGTGGTACTACAATACGGTGACCGGTGAAGTGGAGCTCGGCCCCACAG
 TCCCGATGCAGAACCGTCTCGGACCGTATGCGACGCGTGAGGACGCCGAGAAGGCGCTCGAGATCGCCA
 AGAAGCGCAACAAGAAATGGGAGGACCAGGACAGGGACTGGAATAATTGGGGAACGACAGAAGTAGTC
 TGAATGTGTATATTATGTGCATACCCACTTTGGCGGGCGGCCATCCGGAATGGAGGGCGCCCGCTTGTG
 TTGTGCAGAAATGTGGGCGATGCACAAGTGGAATGTGACCAAGCTCACGCGTTTGCCGCTGGTCGCGGCA
 CAGCGATTTGAAGTACTATGGATTTTGTAGAGATGCGGCACAAAGTGGCGTCGTATACAAGCTACCCC
 AGAAGGAGTGGCAATGTCAGCAATTGAAAACGTGGCCGAGGTGTCCCGGAAGCCATCAAGGAACAGGCT
 TGGGAGGGGTTGTTCCCGGCAACTGGGAGAAGGACATCGACGTTCTGTAATTTCAGAGAAGTACAC
 CGCCTTACGAGGGTGATGAATCGTTCCTCGCGGATGCGACCGACAAGACGAAGTACCTGTGGAAGTACCT

CGACGACAACTATCTGGCGGTGGAGCGCAAGCAGCGTGTCTATGATGTGGACACCCACACGCCGGCGGAT
 ATCGACGCCTTCCCGGCTGGCTATATCGATTCCCCGGAGATCGACAATGTGATCGTCGGCCTGCAGACCG
 ATGAGCCATGCAAGCGAGCCATGATGCCGAATGGCGTTGGCGCATGGTGGAGCAGGCCATCAAGGAGGC
 CGGCAAGGAGCCGGACCCGGCGATCAAGAAGATCTTCACCAAGTACCGCAAGACGCATAACGACGGTGTG
 TTCGGCGTCTATACGAAGAACATCAAAGTGGCACGCCACAACAAGATTCTACCGGCCTGCCGGATGCCT
 ACGGCCGCGGCCGCATCATCGGCGACTACCGTCGTGTGGCCCTGTATGGCGTGGATGCGCTGATTAAGTT
 CAAGCAGCGTGACAAGGACGCCATCCCGTACCGCAACGACTTCTCGGAGACCGAGATCGAGCACTGGATC
 CGTTACCGCGAGGAGCACGACGAGCAGATTAAGGCTCTGAAGAAGCTCATCAACCTAGGCAAGGAATACG
 GACTCGATTTGGCGCGCCCCGCCATGAACGCGCGTGAGGCCGTGCAGTGGACCTACATGGGCTACCTCGC
 CTCCATCAAGAGCCAGGACGGCGCCGCGATGAGCTTCGGCCGCGTGTACGCGTTCTTCGACATCTACTTC
 GAGCGCGATCTCAAGGAAGGCAAGATCACCGAGACCGACGCCAGGAGATCATCGACAATCTGGTGATGA
 AGCTGCGCATCGTGCGATTCTGCGCACCAAGGACTACGATTGATCTTCTCGGGCGACCCCTACTGGGC
 GACATGGTCGGATGCAGGCTTCGGCGACGATGGCCGACCATGGTCACCAAGACGTCGTTCCGTCTGCTC
 AACACGCTCACGCTCGAGCATTGGGACCGGGACCCGAACCGAACATCACGATTTTCTGGGATCCGAAGC
 TGCCGGAAGGCTACAAGCGTTTCTGCGCCAGATCTCCATTGATACCTCGGCCATCCAGTATGAATCCGA
 CAAGGAGATCCGCAACCATTGGGGTGACGATGCGGCCATTGCATGCTGCGTCTCCCCGATGCGTGTGGGC
 AAGCAAATGCAGTTCTTCGCGGCTCGCGTGAAGTCCGCCAAGGCGCTGCTCTACGCGATCAACGGCGGCC
 GTGACGAGATGACCGGCATGCAGGTGATCGACAAGGGCATCATCGAGCCGATCCAGCCCGAGGCTGACGG
 CACGCTCGATTACGAGAAGGTGAAGGCCAACTATGAGAAGGCCCTCGAATGGCTTTCGGAGACCTACGTC
 GAAGCGCTGAACATCATTACATGCATGACAAGTATGCGTATGAGTCCATCGAGATGGCGCTGCACG
 ACCGCGAGGTCTACCGCACCTGGGCTGCGGCATGTCCGGCCTGTGATCGCCGCCGATTGCTTTCCGC
 ATGCAAGTACGCCAAGGTGTACCCAATCTACAACAAGGACGCCAAGGACATGCCGGGTACAGGTACGAA
 TATGTGCAAGGCGCGGACGACGATCTGGTGGTTCGGTACCGCACCGAGGGCGAGTTCCCGCTTTACGGCA
 ACGACGACGATCGTGCCGATGACATTGCCAAGTGGGTCTGTCCACCGTCATGGGCCAGGTCAAGCGCCT
 GCCGGTGTATCGTGGTGCCGTCCCCACGCAGTCGATCCTCACGATCACCTCGAACGTCGAGTATGGCAAG
 AACACCGGATCCTTCCCGTCGGGCCACGCCAAGGGAACGCCGTACGCCCCGGGCGCGAACCCGGAGAACG
 GCATGGACTCCCATGGCATGCTCCCCTCGATGTTCTCGGTGGGCAAGATCGATTACAACGACGCCCTTGA
 CGGCATCTCGCTGACGAACACGATCACACCCGACGGCCTGGGCCGCGATGAGGACGAACGCATCAGCAAC
 CTCGTGGCATCCTCGACGCAGGCAACGGCCATGGACTGTACCATGCGAACATCAACGTGCTGCGCAAGG
 AACAGCTCGAAGACGCCGTGGAGCACCCGGAGAAGTACCCGCACCTGACCGTGCGCGTCTCCGGTTACGC
 CGTGAAGTTCGTCAAGCTTACGAAGGAACAGCAGCTTGACGTCAATTTCCCGCACCTCCATCAGGGCGCG
 GTCGAGGACTAAGGCACGCGAGAGGCGATTTTATCGCCGGTAGGGGCGGGGCTTTTCGGCCCCGCCCTT
 TGCATTGCGCTATAGTGATACTGGAGGTAGCCATGTGCAATTAGAGTGAATCACGGTGCATCCGCATT
 CCGCACACGACGCGGCACATGCTCAAGTCGTGCAAGGAGTACCAGCGCAAGACGCTCATGGGCGGTCTG
 TCAGGATTGCAATCGCCCATCGGACTCGATCGGCGTGACCGCATCAATGCGTTGAAAACCGGCGACATAG
 GTTTGTGCATTCTGGGACATCAATACGTGGTGGACGGCCCGGGCACCCGCATGACGGTATTCTGAG
 CGGCTGCCACTGCGTGCCAGTACTGCCAGAACCCGACACCTGGAAGATGCGCGACGGCAAGCCGGTG
 TACCTCGATGCCATGGTGGTCAAGATCGAACGGTACAAGGACCTGTTGGAAGCCACGAAAGGCGGCATCA
 CTTCTCGGGCGGCGAGTCCATGATGCAGCCGGCATTCTGTGCGGGGTGTTCCGGGCGGCCAAGGAGAT
 GGGTGTGCACACCTGCCTTGATACTTCGGGCTTCTCAACGCCAACTATTCGGATGAAATGATCGACGAC
 ATCGATCTGTGCCTGCTCGATGTGAAGTCCGGAGACGAGGAGACCTACAAGCGGGTAACCGGGGGAGTGC
 TCCAGCCCACCATCGATTCGGACAGCGTTGAACAGGAGGGGCAAGAAGATCTGGGTGCGCTTCGTGCT
 GGTTCGGGGCTCACCTCGTCGGAGGAGAACGTGGAGAATGTGGCCCGCATCTGTGAGAGCTTCGGCGAC
 GCGGTGGAGCATATAGACGTGCTGCCGTTCCACCAGCTCGGGCGTCCGAAGTGGCATGAGCTGCGAATCC
 CTACCCGTTGGAGGACCAGAAGGGACCTTCCAGGCGTTGCGCGACCGCGTGCGCCAGCAGTTCGAGAG
 CCACGGATTACGGTCTACGTCTAAGCGACGGCGAATGCGCCGACACATGATCCCTGACACCGGTGTCAG
 CGCATTCGTTATATTTGACGGTTGAAGGCAAACCGTGCATCAGGAGGGACCTGCGTTGGATTGCGTGAAC

AAGGAACCGGTGTTGCAGACCGAGCCGAAGGAAGGGGTTCCCGAAGTCACCGACACCTTGCTGGCTTCG
 AACTCATCTGCGAACAAATACGCAGCGGTGAACACCCCACTGGCCACCGATGCCGAAAGGGCCAGTGGGTA
 CCGGTACGGCCACGAGGACTGGCTCATCAATTCAAACGCGACGGTGCACCGATAGCGTGCTCGATCCG
 ATCGCCCTCGATGAACAGGGTGTGGATTGGAATGCGTTCAATGAGGCTGTGGGCGACGCGGAATGGATTG
 TGCACGATTCACGTCAGGACCTCCCCGATTGCGCCAGATTGGCCTGAAGCCGCGCCGGCTGTTGATAC
 CGAGATCGCCGCCAAGCTATTGGGGCTGCATCGGGTCGGCCTCGCCTATGTGACGGCGCATTTCCTTGGC
 ATCAGCTGGCCAAGGAGCATTGCGCAGCCGATTGGTCATACCGCCCGTTGCCTCGCGATTGGCGCAACT
 ATGCCGCACTCGACGTCGAATTGCTCTCCGATCTCGAGCGGGCAATGACGCATGAGCTGAAACGGCAGGG
 CAAGTGGGAATGGGCGCAGGAGGAGTTGATTATGCCCTGCACGAGGGATTGCAGCCTCCAAACCGCAT
 CCGGTGCCGTGGATGCGCATATCGCATATCAATGTGCTGCAACGCGACCGTCGAGGACTCGCCGTGGCCA
 AGGCGCTATGGACCGAACGGGACCGACTCGCCGCGAATATGACATCTCGCCATCGTTGCTGTTGGCGGA
 TTCCGCGATCATCGAAGCGGCACAGAGGAAGCCGCACAATGCCAGTCAGTTCCGTGCACTGCGCTCGCTC
 AACGAACGGGTGCGCATGCATCTGGGCAACGAGCAGGACAAGATGTTGCAACGCTATGCGCCCATCCAGC
 GCAAAGTCAAGCCGTCGCTATGGAACGCGACAATCCAGGAGGCGCTGGACCTGCCTTCCGACGAGCTTCC
 CGAGCTTCCCGGCAAAGCGGCTGGTCACGGTGAGGACGTGGTGAATGCGCCACGGTCTGCGAAATTCTGG
 CAGACCCATGAGCCCAAACGGTACCGGCAGCTCCAGAGGTGCAAGGCCGTGCTGAACCAGATCTCGCAGG
 ACACCTGCACCCCTACCGACGTGCTGCTCAAGCCGAGATCCTGCGCAACCTATGCTGGACGGACCATCC
 ACATCGTCGTGATGTGGCCCAATTCCTTGCGCAACAAGGCGCCAGACCATGGCAGGTCGACTTGCTCAGC
 GAGTCGCTGTCCCGCGCTATCATGTAACGGTTGCCAAGGGGCAGTTGATATACCAATAGAACAGAACTT
 TCAGGAGCGCAAGCGTGAAAAATCAGCGTAAGGAATCTTGAGCCGACCAAGGCTAAGCTCACCATCACCGT
 CGACCAGGATGAGTTCGATCCGTACCTCGAAGATGCTCGCAAGGAAATCGCCGAGCAGATTACCGTCCG
 GGCTTCCGCAAAGGCCATGTGCCAGGCAAGCTCGTCGACCAGCGCGTCGGCTTCGGTGCCGTTGCGGGTG
 AGGCCGTGAACAAGGCATTGCCGGATATGTATGCCAAGGCCCTGGACGAGAAGGACATCCGTCCGATGGA
 CCAGCCGAGATCGAGGTCGTGGAGATGCCGAGAGCGCCGAGACGACCAAGCTCAAGTTCACCGCC
 ACGGTCGAGCGTCGTCCGGAGTTCGAGCTGCCGAATCTCGAGGGCCTCGAGATCGCAGTGAGACAAGGCCG
 AGGTGAGCGATGACGATGTGAACAACCGCCTCGGGACCCTCCGCCAGCGTTTCGCCACCCTCGTGGGTGT
 CGACCGTCCGGCACAGAAGGGTGACTTCGCCAACATCGACCTGACCGCACAGACCGACGGCGAGACCGTG
 GACTCCCAGGAGGGCGTGAGTACGAGATCGGTTCCGGGACCATGCTCGACGGAATCGACGAGGCGCTCG
 AAGGCCTGTCCGCCGGTGAGGAGACCACCTTCGAAAGCACGCTGGAAGGCGCGACCATGAGGGCGAGAA
 GGCCAGGTGAAGGTCAAGGTCAACTCCGTCAAGGCCGAGGAGCTTCCCGAGCTTGACGACGACTTCGCC
 CAGGAGGCCTCCGAGTTCGACACGCTCGACGAGCTCAAGGCCGAGATTCGCAAGAATCGAGGCCGATG
 CGGAGGGCCGTGAGGCCACGATCGCACGTGATGCGTTTCATCGAGACCCTTGAGGAAGGCCTTGACATTCC
 GCTGCCGAAGGGTGTGCGCAACAACATGGTCGAGCAGCAGCTCAAGTCGATGGGCGTCGAGGCCGGAAG
 GCGACCTCCGATCAGAAGAAGGAGGCCGAGGAGGCCGTCGACAAGATGCTCAAGGACCAGATGGTGCTCG
 ATGCCCTTGCCGAGAAGCTCGACGTGAGGTCTCCAGTCCGATGTGTTCAACTTCCTCGGCTCGATTGC
 CCAGCAGTACGGCATGGATCCGAACATGTTTCATCCAGGCCCTCATGCGTAACGGCCAGATCGGCTCCGCC
 GTCGAGGAGGTGGCCGTTTCAAGGGCATGCTCGCCGGCATGCGTCAGGTGAAGTTCACCGTTGACGGCG
 AACCCTTGATCTGAGTGGCTTCCTCGGTTCCGAAGAGGCCGAGGCACAGGCCGAAGAGGATGAGTCAGT
 TGCCGAGCGGCTGCAGCGGCCGCCGTCGCCGACAACCTCACCTCGGACGACGGCACCGACGCCGAGTGA
 TCTCATTTTCTTCAAGACCCCTGCCCTCGGCGGGGGTCTTCCCATATCCGAACGTCTTTGGAGCGCCCC
 CGATATGTCCACTCCGAGTGAACAAGATTGCGCTCTTCTCCTTCGCCAGCCCCCATGCGCGGAAAGC
 GGGGGACATTTGACAACGATTTGCGGACGATGGCGAACACACGTGCCGATGCCACCGGTGAAGGCCGAC
 CGCCGGTGGTCTCCCGCGCTTCTCGTTGCTCGTCTCCACACTGGTGTGCTCGGTGCACTCATAGGCATCTG
 CGCGGGGCTGCTACATTGCTGCTCTATGCCATCGAACACCTGTGCTGGGCTTCGTGGAGCATCCGGAA
 CTGCCCCGGCCCTTCTGACGCCGGCATGGAGGCGTGGGCATCGGTGTTGCGCGGCGCATCGGTGCGCG
 CCATCGCATGGTGGGCCCTGCGCACGAAATCGAAGGCGGTCCCGTCGGTCAAACAGGCGGTGGCAGGCAG
 ACTCATGCCTATCTGGCAGACCGTTGCCATGTGCTGCTGCAGATCTTCATCGTCGGCACCGGTCTGTCTG

GTGGGCCGAGAGGTGGCGCCGCGCAACTCGGTGCCATGCTCGCGCAGCGATGCGCACGCATGCTGCGGC
 TGAATCCGACCGACATGCGCACAATCGTCGCCGTGACCGCCGGGGCCGGTCTTGCCGGTGTCTACAACGC
 CCCGCTTGCGGGTGCGTTCTTCGCCGTGGAGATTCTGCTCGTCGATGTCAGCGGTGGCACCGTGATCCTC
 TCCTTCCTCTGCTCCACGCTGGCGGCCTGGGTGGCCACCCTCGTCAAAGGCACGCACACGTTCTACGTGA
 TCGGGCATGTGGATGCGCACTTCTCGTGGGATCTCATGGTTTTCGCCATACCCGCCGGGGTGATTCTGGG
 CGTTTGCGGCGCGTTGTTCCGCAAAGGGTCGAGTGCGCGGAGAGGAACAAGGCGGCCGGCAATGCGATT
 CTATGGATGCTGCCGCTCGCCGGTGCAGTGACCGGCATCGTGCGGATTCCGATTCCGCAGGTGATGGGCA
 ACGGCCGCGCCACCGCCAGCTGGCATTCTCGGGCAGCCGACGATGTCGCTGATCCCATTGTTGTTGCT
 GTATTGCGCCCAAGGCGCTCATCACACTGTTACGATTGCGCGGGGCGCCTCCGGCGGCGTGCTACG
 CCGGGCATCGACTCGGCGCATCGATGGGATGCATCCTCGGGATCCTGTGGATGCAGATGACCGGCACGA
 ACTCAATCGGCGTCTACGCGCTGCTCGGCGCCTGCGCCCTGCTCTCCGCTCGCAGAACGCCCCGCTCAT
 GGCGATGTGCTGGTGTATGGAGCTACCGAGGCGCCGATGAACCTGTTCTGCGCCGGTGGTGTATTTCC
 ATGATCTCTTTGCTCGCCTCGCACGCGACGCTGAGTGTTGGTGAACGCCGGTGGTGACTGTGCTCGGCT
 GACGCGCAATCTGTTCCCGTATTCGGCAGACGGGAATAGATTGCCGGGAGAGCTGGTTGTACACAT
 AGGAAAATCTGCAAAGATTAAGGAGACAACGTGAGTGATTTGATCACGTCCCTCGCATGGCTGGTGAAG
 ACATGCCGGCGGGTCCGGCCGATCCGATTTTCAATCGACTGCTCAAGGACCGCATCATCTGGCTGGGTGA
 GGAGGTCAAGGACGATATGGCGAACCGCATCTGCGCACAGATGCTCATGCTCGCCGCCGAAGATCCAAAG
 AGCGACATCTGGCTGTACATCAACTCGCCGGGTGGCTCGATCACCGCGGGCATGGCCATCTACGACACGA
 TGCAGCTCATGAACCGGATGTGGCCACGGTGGGCATCGGCATGTGCGTTCGATGGGCCAGTTCCTGCT
 GAGTTCGGGCACGAAGGGCAAGCGTTTCTCACCTCGCACGCCCCGCTGCTCATGCACCAGCCGTCCGGC
 GGCATCGGCGGCACGACCACCGACGTGCGCATCAACGCCGAACCTCATCATGGACATGAAGAAGACCCTCG
 GCGAGCTGACCGCGGAACAGACCGGCCACACGATCGAGGAGATCTACCGCGACAACGAATACGACCACTG
 GTTACCGCCGAGGAGGCGTTGGAGTACGGCTTCGTGGACAAGCTCGTCTCCACGCACGAGACGATGAAC
 AGCGATAAGGAGTAAGCATGGCATCCGAAGAAGCACAGTTCGTGCGCAGGGCCGAGCGTCTCGCAGGCCC
 TGCAGGCATTGCCGGTTTCCAGCCCCGGCGCGCGTGACCGAGCCCTGGCCGCGCAGAACCGGTACGTG
 GTGCCGGAGTTCACTGAGCGCACGCCTTACGGCATGAAGACACAGAACCCCTACACCCGTCTATTGACG
 ACCGCATCATCTTCTGGGCGTGACGGTGGACGACAGTCCGCCGACGACATCATGGCCCAACTCCTCGT
 GCTGGAGAGCATGGATCCGAATCGCGACGTGATGATGTACATCAATTCGCCGGGCGGTTGATGACGGCC
 ATGACTGCCATCTATGACACGATGCAGTACATCAAACCCGATGTGCAGACCGTGTGCCTCGGCCAGGCGG
 CATCCGCGGCGGCGATCATTCTGGCGGCGGGTACGAAGGGCAAGCGTCTCATGCTGCCGAACGCCGCGT
 GCTCATCCACCAGCCTGCAATCGACCAGGGCTTCGGCAAGGCCACCGACATCGAGATCCAGGCCAAGGAG
 ATGATGCGTATGCGCGAATGGCTCGAGAACACGCTTGCCAAGCATACCGGCCAGAGCCGTGAACGCATCT
 CCCGCGACATCGAGGTGACACGTTCTCACCCTTCGGAGGCGAAGGAATACGGCATCGTCGACGAGGT
 GCTCGAGCACCGCTCCTGACGCAGCCTGACGAATGCGGTAATCTGCGATCTGTTCTAGAATGACGGGTGC
 GTGCCAGTGACGTGCCGTTTTTGTATGCATGCGGAATGAGGGTGAATATGGGACGTGTGGTCAGCTA
 TAACGACGGCGTGACGCTGCACGTTCTGCGGCAAAAGCGAGCATGAGGTACACCGTCTGGTGCCGGT
 GCCGGCGTGCGATCTGCGACGAATGTATTGGCCTCTGCGTGACATCTGAGCGAGGAGAACGCCAAGG
 ACTCGCGTCTTGAGGTGTTGAACTGCCGAAGCCCTCGCAGATTGCGGATGTGCTCGACCAATACGTGAT
 CGGGCAGAACGACGCCAAGCGCACACTCAGCGTGGCGGTCTACAACCATTTCAAACGCGCGCAGATTGAA
 CGCCACGATGCCAATGCACACCGCCAGTTCGAGCAGTCCAGGCTTGGCGATTGACACGTTGATTCTCG
 ATCCGCTCGACGAGGTGAGTGTGGCGAAGTCGAACATACTATTGCTTGACCGACCGGCGTGGGCAAGAC
 CTACCTGGCGCAGACATTGGCGAAGGCGATGCAGGTGCCCTTCATCATCGTCGACGCCACCTCCATACC
 GAGGCGGGCTATGTGGGCGATGACGTCGAGATGGTGTGTCACGTCTGCTGCAGGCGGCTGACGGCGACG
 TGGACCGTGCAGACACGGTATCGTCTACATCGACGAGGTAGACAAGATCGCGCGCAAGAGCGGCGACAA
 CACGTCGATGACCCGCGACGTCTCCGGCGAGGGCGTGACGAGGCACTGCTCAAGATTCTCGAAGGAACG
 CTCGTACATGTGCCGGTCGACGGCGCACATAGGCACAAGGACGGCGAGACGGTGGAACCTGACACCAGCG
 ACATCCTGTTTATATGCGGAGGCGCCTTCGTGGGGCTCGACGAGATCGTCTCGCGCAGGCTGGGTGCGCA

TGAAAGCGGTTTCGGGGCGTCGTGGCGCGTGAATCCGATCGACGAACACGAGATATACAGACAGGTGAAT
 GCCGACGATTTGGCGGAGTTCGGCCTGCTCCCGAATTCATAGGGCGCCTGCCGGTGGTGTGCACGCTGG
 GAGAACTCACGGTGGACGATCTGAAGGACGTACTACCAAAACCCACGAACGCGCTGCTCAAGCAATACCA
 GAAACTGTTCTCAGTCGATGGGGTCACGCTACGTTACCGACGCCGCGTGAAGCCATCGCCAGCACC
 GCACTGGAGCGGGAGTGGGTGCCCCGAGGGCTTCGTTTCGATCATCGAATCGATTCTCGAGGAGACGATGT
 TCGAATTGCCGAACATGGACGATGTGACCGAAGTGGTGGTGAATGCCGATTGCGTGACGGAGGGCGTGCC
 TCCGCAGATGGTCCGGCCCCGAGCGGCGACGTGTGATCCATGCCCTGTGAATGCCGTCATCTTCACGATTT
 CGACACGCCGAAGTTGTGATTGACCATGAAACGTTGTATGTTAGTCGAGTTGCCTGAAGCAAGCAATTGC
 GCGAGTAGCCCAGCGGATTAGAGCAGCTGACTACGGATCAGCAGGTGCGCAGGTTTGAATCCTGTCTCGCG
 CACTTGGCTATGTAACTGTGTGCAAATGCATGCGATTACGGTAGCATGCGCGAGTAGCCCAGCGGATTA
 GAGCAGCTGACTACGGATCAGCAGGTGCGCAGGTTTGAATCCTGTCTCGCGCACAACAAGCCCTTGAACGT
 GCATACGCTCAAGGGCTTTTCCAATTGCATGCGGCGCGATGTTGGCCGTAACCCATTCTGTGAATGTGGT
 GTTGCCGCCGTAACATGGCGACGTTAAGCTGACCCACCGTATGAGAGAACAGACCGCAGCGACGGAGGGA
 AAGGGAATATGTACGATTTGAAACCTGGCCAGAGCGGCACGACACAACCTCGGTGAAATGGAAGATGAT
 CGAGACCGAGCTGGGTGTCGGTCATGAGGATGTGCTGGCGTTGTCGGTGGCGGATATGGAGTTCGTCACG
 CCGCCGGCCGTCGTCGAGGCGCTTGTGGATGCTGCTCGCAATGATGTATTGGGTATGACTATGCCACCG
 ACGAGTACTTGGCCGCCGTGTGCGACTGGATGCGCCGCCCGCCATGGTCTTGAGGCCGATCCGAAGCTCAT
 CTCGCTTTCGGCGGGCGTGATGCCGGCGGTGAACACGGCGTTGCGTGCGTTACCCATCCGGGCGATGCG
 GTGATCATCCAGCGACCTGTGTACTACCCGTTACGAACGCGGCCATGAACAATGGTCTGGAGATCCTCA
 ACAACGCCCTGCTGTTGATGGGGAGACCGGTGCGTATTCGATGGATTTGAGGATCTGGAACGCAAGGC
 CTCCGACCCGCGCTGCAAGGCGATCATGCTGTGCAATCCGCACAACCCGGTGGGCCGTGTGTGGACGGCC
 GAGGAGCTGCGTATGCTCGGCGACATCTGCGTGGCCAACGATGTGATGATTCTATGCGATGAGATCCATG
 GCGATCTTGAACACCCCGGGCAGCCCGTGACGATGTTCCGGCACGTTGGGGGAGCGGTATGCAGACCATCT
 CATCGAGTTCACCGCACCGTCGAAATCATTCAACCTGGCGGGTCTGCTGTGCTCGAACGCGATCTTCCAC
 AATGCCAAGGTGAAGCAGGAGTTCGACATCGCCGCGGCGAAAACCGGCGGCAGCACGGTGAATCATCTGG
 GCATGGTGGCATGCATGGCCGCTATGCCCGCTGCGAGGACTGGTTCGAGGAGATGCTCGCGGTGGTGCG
 GCGTAATCTCGACACCGTACGTGCCTTCGCCGACACCCACGACGGCATAACGGTCTATCGAGCCGGAGGGA
 ACCTATCTGGCATGGCTGGATTGCCGCGGGCTGGGCCCTTTCGAATGATGAGCTGGAGACGTTTCATGCACG
 AACAGGCGAGGCTCTATTTGACGAAGGATATCTGTTCCGGCCAGGAGGGCAGTGGTTTCGAACGCATCAA
 CCTCGTTGCCCTGTGCGCGTGATCGAGCGGATGTGCAGGCAGCTAGACGCAGCGCTTTCGAAGCTGGGA
 GTGGGACCCGTGGCCGCGGATTTGCGGATTGTGTATGAGCGGGGCGTCCATTGGGCGTATGGCGGGT
 GAATGCGGCATAATGGATAGCTGGATATTGGCATAGGAGTACAGCGAGGGCGGCATGAGCAACAGGCAGC
 GTGGAGTGTGGGCATCGATTTCGAAAGTGGCGGCATCCGACCGCATATCAGGTCTCATGCTCGGATT
 CGCGTTGCTCGGTCTGGTGCTGGCGAATCTGCCGGCGACCTACCACTGGTTCGAAGAGCTTTCGCATTT
 CATCTGGGATTCCGGGAACCAACATTGACATGGGGTTGGGCCATTGGGCTCAGGACGGCCTGCTGACGA
 TCTTCTTCTGGTCTGTCGGGCTCGAGCTGCGTCAGGAACTCACACCGGCTCGTTGTGAATGTACGCGC
 GGCCGCGGTGCCGATGCTCTGTGCGGTGGCGGCATGTTGGTGCCGCCGGTGTGTTGTTGCCGTCATC
 TCACTGTTCTCGAACTTCGGTGCCGAGATCCGGGCAGCCTCATCATCGGAACGGTTCGATGTTTCAGTT
 TTGCCGAGACGGCACACGGATGGGCGATTCCACGGCCACGGACATCGATTCTCGTGCGGGTGTGCGC
 GCTGTTCCGAAGGCGTTGCTGGCTCGATCCGTGCCTTCTGATGACGCTCGCCACGGTGGACGATCTG
 TTGGCGATCATTCTGATCGCCGTGTTCTTCTGTCGCTCAACGCCTGGTACTGGTTTGTGGGCATTGCGA
 TCTGCGCGTTGCTGGTACTTCTGGTGCATGAAGAAGGTGCCATGGTTCGGCGTGGCCGTCATAGG
 CATTCTGGCTTGGGTGATGATGTACGAGGCCGGCGTGACCCGACATTGGCCGGCGTGCTCGTGGGATTG
 CTCACGCTGCACGTGCCATGTACGGCGAACGTTCCGCCGCTGCCGAACGGTATGCCGACAAGCTGCAGC
 CGTTCTCGGCGTTGCTGGCATTGCCCATTCTCGCCTTCTCGCCACTGGTGTGCACTTCGATTTCGATCAC
 CCCAATGTTGCTGGTCTCTCCGGTGGTCATCGCCATCATCGTGGCGCTGTTCTGTGGGCAAGCCGCTCGGC
 ATCATGGCCACCGCATGGCTGTCCACCCACATCGGCCGTTTTCGATGCCAAGGGACTGCGCGTGCGCG

ACATGTTCCCGGCTTCAATCGCCTGCGGCATTGGCTTACCGTCTCCTTCCTCATCGCATCGCTGGCGTA
 TGCGAACGCTGAGCTTCCGCGGAGGCCAGATTGCGCGTGCTTCTGGGGTCGCTGGTGGCGGCTGCGGTG
 TCGGCGGTGCTGCTGAGCCGGCAGTCGGCCAGATTCGCCCGCATGGACTCCGTCGAGGAGCGTTTGGCCG
 CGATGGAACGCCCCCTCGAGGCCACGCGCACGCTCCGGGATGGCACC GTTGTGGTCTCCAGACCATGGG
 TAGGGATGCCGAGCAGGATCTGGCGCAACTCAAGGAAGAAGACTCCCGCAGCTGAGGTGGCCATGTTACA
 TGGCCGGGGTCTGCACTCGCTACACTCGCAGTTGGAATACACCACAGAATCGAAGGAGTGGCATGCAAT
 CCAACAATGAGGAGAATGCGAATGGCGGGCAGACGATGAATCATGCGGAGGAGCCGCTCGGACGGACCTA
 TTCGACGGGACCGGTGTTGTTGCGCGGCAAGATGATTCCAAGTGAAAAGCACTTCGGAACGCTTCCTGCGC
 AATGATTCCGACACGGATTGGCTGCATCGCGACCCATGGCGTGTACTGCGCATTACAGGCCGAATTCGTGG
 ATGGCTTCGGATCGCTGGCCGAGCTCGGTCTGCCGTGAGCATCTTCGGTTCGCGACGTGTCGAGCCAA
 TACGAAGGACTACAAGGCCGCCGTGCGCAATGGGCGCGAAGATCGCCGAGCGAGACATTGCCGTATCACG
 GGAGGCGGCCCGGGCATCATGGAAGCGGCGAACAAGGGTGTGCCAAGGCCGGGGGCAAATCGGTGGGT
 TGGGAATCGAATTGCCGCATGAACAGGGGCTCAACAAGTGATCAACCTCGGCATGACGTTCCGCTACTT
 CTTCTGCGCAAGACGATGTTTATGAAGTACTCGTCTGGCGTGATTGTTTGGCCGGCGGCTTCGGCACG
 TTGGACGAGACCTTCGAGGCGCTCACGTTGGTACAGACGCGAGAAGGTGGCGAAAATGCCGATTGTGCTCT
 TCGATTCCGCATACTGGCGAGGGCTGTTGATTGGATTGACGGGCCGGTGCCTGAACGGGGCATGATCTC
 GAACATCGATCCCGATCTGGTGACGATCACCGACGACATCGACGAGGCCGTGATGTCGCCACCAGCATG
 GTTCCAGGCAGACCGGTGCGCACTGATCCGTATGGCATGGTGGTGCGAATCACGGGAATCCAATTCCGA
 TCCGCTCCACCATGCCGAATTATTGCAATGTGGCGATGAGCATACCCAGCCGGTCTGGGAGAGTGCGGA
 GATGAAGCGGTGTCATCGGTACGGCGTCGATGAGTTCGCGCATGGCCACGGCCTTGTCGCCGCGATCC
 GCCGGTGTGGTGAAGACCGCCTTTGGAATCCGGCGATTCCATGGCCAACACATCGGTGAAAATGATCACGC
 CATGTCTGCGCAGCAATCGCGGTGCCTGCTCGTAGGCGGCAGGGTAGTTCGAGGCATCGCCGCATACAAC
 GATGAGATCGTAGTCGTGCGCGTTGAGACGCGACAAGAATTGGGTGGATCTGCGTTGACGGTGCGCAGC
 GTGGCCCGGGTCATCGTGGCGGCGGTGCGGAATAGTCTCTTGATCTGGCTATGACCTTGAGGTGTGGAGT
 CGACGGCAGTGAGTTTGTGTCGTCATTGAGTGAACAAGCGATTTCGAGCCGTCTGTACCAATGATCCGGT
 GCCGATCACAATGACCGACGATGCGCCGGACATCGTCTTGAACATGCTGAGCATGGCGCCTTCGATGCG
 GAGACCGACGGTCGTTGTCTTCTGCATCAGCGTGCGCGCCTCATGCACAAGGTGCGGTTCAAGCGCGA
 ATTCGCGGGTTTCAATCCAATCCCATGCCCGCGCATGGTTTTCAATGACGTTCTGTCCATATTCATTCT
 TCCTTACCGCTCTTTCACCTGCGCAATGAGTTGCCAGATCTCCTCGCCACGTCAATGCCGCGGGGGCAC
 TGCCTAGAGCATGCCCGCACCGACTGGCAGGCCTGCACGCCATCGGCGGTGTCAAGGGCCTCAAGGCGTT
 CCTCGTTGCAGTGTCACGCGAATCGTTGATGAATCGCGCCTGATTGATGAGCGCCGCCGGGCGGATGAA
 CGCCTCGCCGCCGGCATAGACCGGGCACGCCCCCTCGCACACGCCGAGGCGATGCAGTTGCTGAGCAAT
 TCATACTTGGCCAGTTCTGTGGATTCTGCAGATACTCCAGCACATCCACCTTGCCGTCTCACGGGTCT
 TGATGGCATTGTGGTGAATGAGGTAGGGTTTGAAGACGGCGAATCTGTTGAGCATCGAATCGATGTCGGC
 GACAAGATCGCGCTTGACCGGGAAACCGGGAAGTGCGGCGAGTTCGATGACACCCAGATGATCCCCCTCG
 TCGATCTGATGTGCGAGATCCTCCTGAATACGTTGGCGTTGTCTGCGTCGTCGACATCGCCGGTACGGC
 GGAATCCCTCGTCGTCGGGGTAGGAGATGTTGGGTAGCCGCTGCACCAATCCTGCACTTGTCGGTGCA
 CAGCAACGTGGGTGTGCCGTTGACGGCGACGGCATCCGAACCGCACATGCCATGGCCGAGGAATAGCGG
 AATGCCAGTGTGCGGTGATATCGCGTTTGATGGTGAGCAGACAGTCAAGCAACGTGTCTTCAGGACGCA
 CGAGCAACTCGTATTCCTGCACCCAGGATTGCGCGGTGGCCTGCCGGCGCGTGCGGAATCCGCGAACGG
 CGAGCCGCCGCGCCTGCCGAACGGACTTGACGAATGTGCGCGCTCCCGTTCGGGACGCGGGGTGAAGCGG
 TGACACGCAATGTACCGTCGCTTGGATGACGGAGGATGGGGAGCTCATGCAATGCCTTCCACAGTGT
 CGAATACTGTCTCATATTGTATATGCGCGCGCATGCAAAAAGCGTGACCGGTGCAACATTACACGGTTG
 CGCCGGTCACGGCTGGAATCAGTACGAGCGCGAGCCTGGTTGATGTCTACGATGTTACCGGGCGCCAG
 CTGACGTCGCCGTTGAGGTTACGAATGAATGCCTGAGATATTCGGCATCGTTACGCTCGGGGAAATCGC
 TGCGATAGAGCGAGCCGCGGGACTCCTCACGGGCGCGTGTGGCCGTGAGCATGGCCAGCGCGAGTTCGCA
 GAGATGATGCGCCTCGAGAATCGCGGTGATCTCCTGGTTGAACACTTTGGAATCGCTATGGGCATGCACT

AGCTCAGAACGTGGAATGAGGTCGTTTCGTAATGCGGCCATTGCCTTGTCGAGCAAAGTGCGCTCGGTGA
 CCACGGCTGCATGCGCCTCCATGAAGGTGCCGAGATCGGCGATGAGCGCATAGGCGTTGTCGCTCTGGGA
 CGTTCCTCTGCAGAGTCAGCGGATTCGAGCAGTGTGTCGATGATGCCTTTGCGTCGATTCGACGCATCG
 ACGAGTTCCTGCGCAAGGGCGTGCGTGTCACCTTCACATCCGATGCGGCAACCGGATCGGATGCCACTC
 GGGTGGCGATGGAGCGTCCGGCGCGAGTGCCGAACAGACATGCGTCGAGCAGGGAGTTTCTCCAAGGCG
 ATTGGCTCCATGCACGCTGACGCACGAGCATTGCCCCGCCGATACATTCCCGTTATAATCTGACGCCCCG
 TCGGCTGTGGGAATGTAGACTTCGCCATCGACGGTGATTGGAATGCCGCCATCGTGTAATGCGCGGTGCG
 GTTGACCGGCACGAGGTCCGTGGCGGGATCGAGCCCGGCATAATCCCGGATCGTTTCGACCACCTGTGG
 CAGCACCTCATGCATTGCGGTGGCGTGCATGCCGGTCATATCGAGCCATACACAGTCCTTGGGCCCTTCC
 GGATCCTTCGGGTGCGGCACGCCCCGCCGCGCCATAACCTCGCTGCGAATGGCCCTTGAAACACATCAC
 GCGCGGCCAGGTCTTGTGCTCGGGCGCATAGTGTTCCATGAATGCCTCTCCCGTGGCATTGCGCAATAC
 GCCACCTTCGGCCCTCGAGGCCTCCGAGAGAAGGATTCCGGTGTCGCCAGACCAGTGGGATGGAAGTGC
 AGGAACTCGGTGTCTTCGAGATCAAGACCCGCTGCAAGGCCAATGCCATGCCATCGCCAGTGAGATCGT
 GGGAAATTCGACGTGATGGAACAGGCGTCCGGCACC GCCGTGCCATGAGCACGTTGCGCGCGGCGAT
 GGCATGGGTGTCGCCGTGGCGACGTCGTAGGCGACCACACCTTCGCTGGCCGTATGATCGGCGTTGAGT
 ACAAGATCGGTACGTACCATTCCTCAGCGAATGCAACGCCCTGTGCCACGCATTGCTGCCAGAGGGCGA
 ACAGAATCTGGTGGCCACCCGGTGGCGGCATAGGCGGCACGTTTGACCGGGGCTTTGCCGAAGTCGCT
 GGTATGGCCTCCGAAACGCCGTTGGGCGATTCTTCCATCCTCGGTACGGGAGAAGGCGACTCCGTCATGC
 TCCAGGTCACGTACGGTGTGGGCGGCCTCCTTGCCAAACAATTGGCGGCATCCTGATCGACGAGCCAAT
 CGCCGCCTTTCACGGTGTGCTAGTAATGCCATTGCCATTGCTCGGGTTCATGTCGCCGAGGCTGGCGGC
 TATGCCGCCTTCGGCGGATCCGGTATGCGATCGCAGGGGTTGCAACTTGAAATACCAACACCTTGGGC
 TCGATGCCCCGATCCCTGAGATCAGCGACCTCCTGGCTGCGGTAGAATCCCAGCGCTGCGGACAGACCGG
 CCCCCCGCACCCACGATCACCGCATCATACATGTCTTCAACCTTGGTTGGACTCATACCTCGATTCTG
 CCATAGGGCCTGACGTTTATGGTCTGATGCTCGGTGCATGGGTCTCATGGCACAGTTGCTCGATGTCCGA
 GGTGCTGGAGAGCAACGACGCCTGCTGGTCGGCGATGAGCCTGTTGCACCCGGCATGCGCGGGTGTGCTG
 ATCTCGCCCGGCACTGCGAAGAGCCTGCGGTTTCATCTCGTTCCGCCAGCCTGCCGTATTGAGCGCTCCGG
 AGCGCAGCCGGGCTGTGCGACCACGACCGAATAGGCCAGTGCCGCGATCAGCCGATTGCGCAGCAGGAA
 CCGACGTGGCTCCGGTATCGTGCTCGGGGTGCATTCCGACACCAAGGCTCCATGCTGGGCGCAGATCTGC
 TCGAAGAGCCGCATATTCGTGGTGGGGCCACAATGGTCGAGTCCGCCGGCGAATATCGCCACGGTTCTTC
 CGGCTACTTTGGCTCCGAGCTGATTCATGGCCTCGAGCGTCCCCAATGCGCCGCGGCATCGATGCCCAT
 GGCACCGCCGGAACGACGAGATGGCCATTCAAGGCCGTCTGGCAGGCCAGGTTCTCGCAACGTGACGC
 CCATATTATTACGCCACGCGAACCCACTATGGACACCGGGCGATCACATGATGTGAGGGCCGTTGCGT
 CGCCCTGCACCCACAAGGCAAGTGAGGCGCCCAATCAGAGCGCACGTGAGGTCTCCAACGACTCTGG
 CCAGTAGGGCGAACCGGGAATGACAACGGTATAGGCGCCTTGTCGGTGAACAGTGCGCATAGCGCATCC
 GGGTGAAGGTGCGCAGCTGACGAGGCGGCCGATCCACCGTTGTGAGGCCAGCTGGAAGGATGCCACGC
 CTTGCTGCGCGCCTTGCGGCCCGAGCGTGCCGTGCCGAGAATGAACATGCATTCCAAGGTGTTGCGTGC
 GCGTGTGCTCCTGTTGCGTGGTGGCGCATGCAACCATGAGCAGCGCGCGCAGTGCCCTCCACACCTGGA
 TGTTGCTGTGCGCATCCCTTCAGCAACGAGGTCATGAGCGCATTGGCGCATTGCTGCAAGTGGGTGAGCA
 ACATGCGGGCGAGCGCTTCGTCGTCAGACTGACGAGCGCCTTGCGCTCAACGTGGGTGTCGGGTGCG
 CGTGTGTGATTGTGACGTGGTCTGATGGGTGAGGGCGGTGATGTCTTCTCCGTTTCAAGGTGGGGCCGGG
 TAGGTTCAAGTTGACTTCAGTGGTGCGCAACGAGAGCGCGCGGTGACATCGTCAAGGTTCCGACTTGATC
 GTCCATCGAGATCGCAGATGGTCCATGAGAGCTTCATCACGCGGTAGGCCCTCGCAGACTGATCTGATA
 GGAGGAGAGCGCTGGTTCACCACGGCGAGCACAGGTGGGGAGTGTGCTCACGTAACCACGACCTGCA
 GCTTGGGCATTGCTTGTCCAGCCGAATGATCGGAATCGCTCCACCGCCATGGACCGTGACGCGATGACCT
 GCTGGCGGATGCGCTCGCTGCTGTCGCTTCCGGCAACTGCCGGGACCCTATGTGGGAAACGGGGCATAAC
 CTGACGCTGCATGTGACGCGGTGAGAAATGGGGCCGAGAGTCGGCTGAAATACCGTATGCGGTGCGGT
 TCCCTGCAGGTGACGCTTCGCCGGTGCCATACCCATAGCCGAGGGGCATGGGTTCGCCGCCATGATGA

GTTGGAATTGTGCGGGGAAGATTGTGGTTCCCTGGACCGTGACACGGCGACATACCCAGCCTCCAATGG
 TTCCCTGAGCGATTGCAGCACGCGTGGTGCGAATTCAGGCGCCTCGTCGAGGAACAGAACCCCATGGTGG
 GCGCGTGTACCGATCCCGGTTCTCCAGGCCGGTGCCTCTCCACCAATGAGGCGACGGAGGCGGTGT
 GGTGCGGAGCCTCGAATGGCGGCATGCTGTCGATGCCGTGGGTGCCAGCTGGCCGAGAGCGAACGAAT
 GGATGCCACTTCGAATTGCTGTTGTTGGTTACGCGGGGCGAGTATGCCGGGGAAGCGTGAGGCGAGCATG
 GTTTTGCCCATGCCGGGTGGCCCGGTCATGAGCACATGGTGTCTCCGGCTGCTGCGATCTTCAGCGCCT
 CCTTCGCGTCTGCTGGCCACCACTTCGTTTCATGTCGCCGACAGGCAGCAGATTGCCCTCCGGCAGGTC
 GCGTCTTCGGGTGTCCACATGAATCTCATGGACCGTGTAGTTGGCACGACCTCCGAACAATTCGATGAGT
 TCACCCAGATGCGAGACGTACATGACATCCAAGCCGTCAATCAGTTCAGCCTCATCGCGGTTGGCACGGG
 GAACCACGACGCGGTTTCATGCCATGCTCCTTCATATGCAGCATGATTGGCAGCAGGCCGTTGATGGGCAG
 CACCGTGCCATCGAGGTTGAGCTCGCCGAGTAGCACAGTGTTGTCCAACGCGTCGGGCTCTATGAATTCC
 GAGGCGCTGAGCACACTGGCGGCGATGGCAAGATCGTGTGAAGAACCTCGTTGGGCATCGAGGCCGGCG
 ACATGTTGACGGTCACCCGGGTCTGGGGCCATTTGAAGCCGCTTGCGGTGCATGCCGATTTACGCGCTC
 TCTGGCCTCGCTCAGCGACGCGTCGGGCAGCCCCGATGATGGAGAAGAACGGCAGGCCAGGAGAGATGAAT
 GCCTGCAACTGAATCATGAAGGCCTTGAGCCCCACCAGCCCCACTGACAATGCTGTTCCAGAGCCATCA
 GAACGCCTCCGGCACATGATGAATGAAGACGTCGGTGGGTGTGACGGTGACGGCGATGACATCGAAACGC
 ACTCCGATGTGGCGTATGGTGCATCCATGCTCACCGAGCCAGCATATTGCGGCCCGACGAACACGCATCT
 GTTTGGCAGCATGCACTGCCTCCTCGGGGATGCCGCATGATGTGGATCTACGCGTCTTGACCTCGACGAA
 TACGATGGTGCTGTGCGAGGTAAGCGCGATGATGTCGATCTCGCCGAACCGGCAGTGCCAGTTGCAGGCC
 AACACGTGCCAATGATGTTTCGATCAGCCATGCCCGGCAAAGCCGCTCTCCAGGGAGCCGATCTGCTTGG
 CGGTGAGGTCCGGGGCCAAGAGCATGGCCTTGCAATTGCTCGAAGGTATCCGCGTCCACGACTGTCTGCGT
 GGGTATGGTCGCCAGTGTCGGCGATGTGCTGTTGTGCTGTGATGTAATGTCCATGCTCCAAGTCCAGCAA
 CATCGCGGCACGCATGCAACCGGCTTTGAAGATTTGTGGATAACCCGGCTTGCAATTGGTGTGCAATGTGG
 ACACCCAAGCGGTTATTCACATTCGGGATGTCCACTGTGCGTGTGCGCATTGGAATACGCATTCGCCCCG
 CATTTTCATGCGGGGCGAATGCGTCAGATCCACGACCTGCTCAATCCACGAGGCTGGTCAAATCTCCAG
 GCTCAGTTCGAAACTCACGCCACGATCCTGATAGTCGGGCTGGAACCTTCGTCTGGACCATCGCGTTGTGC
 ACGAATTCGCCGGCAAGTCTGGAGGCCGCTGCAAGGTCGAGTCCGGCCATCACGCCCCGATCATGGCGG
 AGGCGAACGCGTCGCCGGTGCCATGGCACATGTAGGGCAGTTTCTCGTGCACGCATTGCGTCATCCGGTC
 CACGCCCTCCTTGCCATTGGCCACGAAGTTGCGAATTCGGCCGTCATTGTGGTTCGATGCCCTTGAGCACG
 ACGTTCTTGCGCCCATATCGAACAGATTGCCAATGATCTGCCTGACCTGCTCGTTCTGTGATGTCCTGTC
 CGGGGTACTCAGTGCCGGTGAGAATGGAGGATTCGGTCAGGTTCCGGCATGAGCAGGTCCGCGCCATCGAC
 GAGCGCGCCCATCGCCTCGAAAGCTGTGCCGTGTACGTGGCATAACATCTACCGGCATCGCCATTACC
 GGGTCGACAAAACGCAGCGACTTGGGGTACTCGCGATACAGTCGCTGTATGATCGCCACCTGATCGGGGG
 AGCCGAGGAATCCGGAGTAGACGCCATCGAGCTCAACGCCCTCCTGCTGCCAGGCGTCGAGGTATCCGCC
 CAGCATGTGCGGTGGTGTCTTCATGGTGAACACCTGTAGCGAGTATGCGCCGAGAACAGAGCGGTCCGGC
 ACCGGGCAGACATCGCATCCGGCAGCCGAGAGGATCGGGATGGCGGCGGTGAGCGAGCATTTGCCGTACC
 CGCACATGTCATGCACCGCTGCGATGCGTGGAATATATTCGCGATTGCGTTCGTAAAGCACTTCTGGCAT
 ATTGCTCCTTGCAGTATCGACCATATATGCCTCATACAATAGGTGAACGATATGCCAAGCGCATTCTG
 CCGTGTTCATGGATGAGATGGTCCACCACAGGGTCTCGGCGTGTGCGCTCCGTCTCGTGGGGACTGACG
 GATCCCATGTTTCAGGTGCGCAGGCGCCGATTGATAAACGGGTATAACCAATCGCGATAACGTCTGGCTTG
 CATTGTGCTGTGCGAGTTCCCTAATCTGCTGCCAGACCCGAGGGTCGCCAGACGAAAACGACGCACGGC
 AACGTGCATGAGCGTAAGGAACACCATGAGCGCACAGGAAACCCACACACCATAACATTTTCGAGACACTG
 CAGCTGCATGTCGGCCAGGAGAGCGCAGACCCGGCCAGCGACGCCCGTGCAGTGCCGATCTACCAGACGA
 CCAGCTATGTATTCCACGACTTCGACCACGCCGAGGCCGATTTCGGTCTGGCCGACCCGGGCAACATCTA
 CGGGCGATTGACCAATACGACACAAGGGGTGTTTGAAGACCGCATCGCAGCGCTCGAAGGGGGCACCGCG
 GGATTGGCGGTGCGCTCGGGTGTGCGGCCGTGGAGTACGCCGTGCGTAACATCACGCAGGCCGGTGACC
 ATATCGTGGCCGCCAAGAACATATACGGGGGCACGTTCAATCTGCTGCGCCACACCTTGCCACGCGACGG

CATCACCACCACCTTCGTCGACGCCAACGATCCCCACGCATTCGAGGAGGCGATCGCAGACAACACGAAA
 CTCGTCTATTTTCGAGACCTTCGGCAATCCGAACGCCGACCTGCCCGATTTTGACGCAATCACCAGATCG
 CACACCGGCACCACTTGCCGGTGATTGTAGACAACACCTTCGCCACGCCATATCTGTTCCGCCCACTCGA
 ACATGGTGCGGACATCGTAGTGGAATCCGCCACGAAATTCATAGGTGGCCACGGCACCACGCTCGGGGGC
 GTGATCGTCGAGGGAGGCGATTCAAGTGGGATGCGGTGCCAGGCAAATTCGACGCTACCGAACCGG
 ATCCCTCGTATCATGGCCTCAACTTCTATGAGGCGCTCGGGCCGGTTTCATTCTGACCCGCATCCGCGC
 GGTCTGCTGCGCGACACGGGTGCCACGCTCTCGCCGTTCTCGGCCTTCCTGCTGCTGCAGGGCACCGAG
 ACGCTGTCACCTGCGCGTCGAGCGCCATGTGGAGAATGCGCTCAAAGTGATCGATTACCTCAAACCGTGC
 CCGAAGTCGAGTCGATCTCGCATCCATCGATCGAGGGACGCCCTGACCACGACCTGTACGAGAAATACTT
 CCCGAATGGTGCCGGATCCATCTTCACTTTCGACATTCGGGGCGGCAAGGATGCAGCCCCGGGTATTATT
 GACAATTTGCATCTGTTCTCGCTGCTGGCCAATGTGGCCGATGCGAAGAGCTTGGTGATTACCCGGCTT
 CCACGACGCATTCTCAGGAGTCCGAGACTGAGTTGGAGGATCAGGGCATAACATCAGGGAACAATCCGTCT
 GTCGATCGGCACCGAGTACATCGACGACATCATCGACGATCTGAAAGGCGGATTTCGAGGCGGTGCGCGCC
 TCCGGCTTCGCCGATTGAGCATGTATGACGTATGCCATGCATATGGTCAACAGCTTTTCTGGGGAGATCC
 CGCATGCGTGGGCATGCGGGATCTCCCGTTTGTGCGTGCCGCCGTCCATGGGCGCGAATCGTTCGCCCAT
 GGACGGGTGAGCTCGAATGATGCAGGATATCAACGAGATGACATAGTATGCTTACGGTTACGTGTGAACG
 TAGGGTAGAAGTTCACCCAGCCAAGCGCACTTGTTGTGAGATTGATGGAGCCGATTGTGACCGATGTAAT
 CACCGTGATGAACCTGGGTTGGCAGTATGCGCCCTCTCGGCGCACGGCACGCCAAGAGGGGCACTGCAT
 GATGTGAGTTGTTATGTGGCGGAGGGAACCTGGCCGGGATAGTAGGGCCGACCGGTTCCGGGCAAGTCCA
 CATTGGCGCAGGCCCTCACCGGTATCATCCCTCATATTCTCGATGGCACGCTTACCGGTTTCATCAGGGT
 GGCTGGCATGAACGTGAAAAGCACGAGCGTCTCTAATATCTCCGCCAAGGTGGGGTATGTGCCCCAGAAC
 CCGGTGGATTGTTCTGTCACCAACGAGGTGGAGAACGAAATCGCATTCCCCTTGAGAGAATAGGGGTGTGG
 CGCCGGACGAAATACGCTCCCCTGTGTCGATGAGGTGCTTGACCGACTGCATATAGAGGGACTCCGGCACCG
 CGATCCGCGTATGCTCTCCGAAGGCGAGATGATGCGCGTCGCCATAGGCTCGGCCATCGCAGCAGAGCCC
 GAGGTGCTCATTCTCGATGAGGTGCTGGCGGTGCTCGACGAAGACGGCGCACAGGATCTCTATGCCATT
 TGGACGACCTCATGAAGCGCAACACACGTCGGTGGTGATGATCGACCTCGACACTCGTTGGCTGCGGGA
 GCATGCCGATTGCGTGTGGTGATGGTGGGCGGTGAGGTGATCCGCGTACCACACGCGAAGTGTCTCTC
 CGCGAGGCGTCGTTGCTGGAATCGGTGGGCGTGAGCAGATCTCGCGACGACCACACGCCGTTGACAATCG
 CCCGTTGAGCCGACGACGTCGACCGATCCGATCATCATCTTCGATCATGTGTACTACCTCCACCCGCA
 CAGCGAGAACAGCGATGCCCCCAATTGCGCGACGTGAACCTGCGCATCCCCCGCGGCTCATTCTGTGGGC
 GTCGTGGGCCCCGAACGGATCCGGCAAGACGACCTTGCTGTCGATGATGAATTCTCAGATTCTGCCCTCGC
 GTGGCCATGTGATTGTGGACGAGAACGACACCGCCGAGTGCCGGGTGCGCCGATGGCCCGTGAAAGTGGC
 CTATCTCGATCAGGACCCGTTGATATGATGCTGACGCGCAACGTGCGCAAGGAAATCGAATTCGCCCCG
 CGTGCCCTGGGCGTGCCAGCCCAAGAGGTGAACAAGCGTGTCAATGCGCTCATCCGGGCATTTGACCTGT
 TCGACATTGAAGATGCCGATCCCATTCGGCTGAGCACCGGGCAAACCAGACTCGTGCGACTGGCTCCAC
 ATTGGCCACGCAGGCACCCATACTTGTGCTTGATGAACCGGTGTCCGGGTTGGATTACCGGCTCAAACG
 AAGTTCATGACCTTAGTGCGAGACCTCAACAAGCAAGGCATCACCGTGATCATGGCAAGCAATGACGATG
 ATCTCGTGGAACGCTACTGCACCCATGCCCTGCGTATGGAGGAAGGGCGCATAGTGGAATTTGGCCCTCT
 GCATTCGCGCAGTTGCGCTCATTGGACCATGATCAGGAGGGGAGAGTCTGATGCGTTCGAGTTCTATG
 TCCCGGTTGATGGTTGGCTCAACCGAGTGATGTACGTGTGAAGCTGTTACCATGATCGCCGTTATCGT
 CATGTGTTGATTTGGGAAACTGGGTATTCTGACGGCCATGCTCCTCGCGGAGCACCTGTTCTGCTG
 TCCACCCGCATACCTGCACGCAAGACGCTCAAGGTGTGGTCACTTCTCCTGCCGGTGATCGTCATTGTGT
 TCTGCATCATGCTCCTCACCGTGATCTGCCGGCTGGACCTGTGGCGATGGGGAAGCTGGCTGGTCAC
 CTCCGGCACCATGGATCTATGCGCGGTGGTGGCGCTCCGTATCGCAGATATCGTGTTCGCCGTGTTACCC
 GTGTTGTTCAACACTTCGCGTGCCGCTGGATCAGTGGTCTGGCGGGACTGGGATTGCCATACACGGCAG
 GGGCCGCCGTGACGGATGCGATCCAGTGGCTGCCGACCTATGCGGCCACCGTGATGACCTGGTGCTCAC
 CCAACACATCCGTGGACGGTATGCGCGCATTGGCAAGACAATCCCCTCACCCGCACTGCTGCATGGTGC

AGCGCTCATGCTCGTGCGATCATTGCGGCACCAGCCCATTGAGCCACCTGAACCGCGCCCCGAGCATCA
 CAGCTTTGGCTCACGGTGCGCATATAGACCGCATGGGTGCCAAACGCACATATCTGCATCCGGCGCATAT
 GCGTCTGACCGATTGGATGCTGCTGATACTGGTGTGTACATCGCCGCCGTAATTGTGATGATGGTC
 GTATTCGGGTGGTGAATTCACCACGATGTTGTGTTGCGGGGCTCATCTCAAGGATGAGCCCCGAATGTTT
 TTACCCCTTGCGGGTGATGGGTGCGCATGTTGTAGGGCATATATTGCGAGATATGCACGTGAGAGCACG
 TGATTGAAGTGGCGAAGGCCCAAGAAGGAGAGAAACATGTGCAATTCCGCGTTGCAGAACATGGTTGACC
 AGATTCACCAGCCGACCCATACGCCGGTGGCGATCGAGGCCATCGATCTGGTGAAGGACTATGGCACGGG
 TGAAAGCCTGGTGCATGCGTTGAAAGATGTCAACGTGCAGTTCGAGCAGGGCCGGTTCACGGCGATTATG
 GGACCGTCCGGATCCGGAAAATCGACGCTGATGCATGTGATGAGCGGTCTGGACTCGGCCACCAGCGGCA
 GCGTCTGTTCCAGGGGCGCGACCTGACGAAGCTCAACGACAAGCAGCTACGCTGCTGCGCCGCAACTA
 CATCGGTTTCATCTTCAAAGCTTCAATCTGCTGCCGATGTTACGGCCGAGCAGAACATCGTGATGCCC
 CTGACTTTGGCGGGCAAGAAGGTGGACCGTGCATGGTTCGACCGTCTGGTGGACACACTTGGACTGCGTG
 AACGTCTGGGCCACCGTCCGAACGAATTGTCTGGAGGTGAGCAGCAGCGTGTGGCCATCGCACGCGCCCT
 CATCACCAGGCCGTCGCTCGTGTTCGACAGCAACCCACCGGTGCCCTCGACTCCGCTTCAAGCGCCGAG
 GTGCTTGGCTTCTCAAGGCCTCGGTACGGGAATTGGGGCAGACGATCATCATGGTCACGCATGATCCGG
 TGGCCGCTCTATGCAGACCGTGCCATCGTATTCTCCGACGGACACATCATCGCCGACGTCTCCGACCC
 GCAACCGGCGCAGATGAGTGATCTGCTCATGAAGGAGCGCGAACGTTCCACGAAGACCGCCGGGCGCTCC
 GCAGTTCAGACGATGCCGGCAAACCAAGATCCACCCATTGCGCGGCAGCCCCGGAACAATCCGGCGGACA
 TCGGCGGGCAGCCGGCACAGGGAACCTCATGCAGGCTCCGAAGCCGCCGACGAGCGTCGCTAATGCAG
 GCCAAGAGCACAGACGATCCTGAATCCGAAGGAATACCATGTTGTCAATCACGATGAAGATGATGAAGAA
 GAACCTGAGAATGCTGATTCGCGCGGTATCGCCATTCTCATCGGCACGGCGTTTATTGCCGCGACGCTG
 CTGTTACGAACGCCTTCGACGCCCTATTGCGCGAACAGACCACGGCCAGTTCGGCGGGCTCGAACTATG
 CGGTACGGCGGATGCGCAATCCGGCGACGATGCACACGACTCAACGGTTGGTGGTCTTAAGCTCAATAC
 CATAGCGGGCATCGGGGGAGTGGAAGGCGTCCGTGCCGATGTCACGCGCAGTGTCATACTGAATACCGGC
 TCCCAGCACGGCAGCGGGGTGGCGTTGTCGACGAGTGCCGACCCCAAGCTGCTCCCGGTTTCGATCGTAG
 AGGGCAACGCCCCGAACCGGATGGTGCCCGGCAGATTGCAATACCGAGGAAGCTTGCCGAGCAGTGGA
 CCTCAAGGTGGGAGACACCATCTCGTCGATGCGCAACATGGCGACGATGCGCAGGACGTGCAGGCGACG
 ATCAGGGGTCTACCACCGATCCGAACAACGTGTATGGCTATTACAACGGTGCCTCCGTGCGCTCGAACG
 ACCTCATGGTCGCTTATTGCGATGTCGCTCCTTCGATGCGATACCAGCGACCGCTGCGTACCTGCACAT
 CGAGCCGGCACATGAATCCACCGTGGTCGCGCAGGTGAAGGCCGCGCTTTCGCCGGGGCTGACGCTGCAG
 GATCGCGCGCATATGGAAGAGCAGGCCATCAAATCCCTCAGCTCCAACGGTGGTGACGTGACCAAGCAGT
 TCCTGCTCGCCTTCGGTGTGCTCGCTGCTGGTGGTGGCGCGCTTGTATCGCGAACACGTTCCAGGTGCT
 CGTGGCGCAGCGCCGCCGTACGCTGGCATTGCTGCGCACCATCGGTGCCACCAAGCGCCAGCTTACGTG
 TCGGTGCTTGAGGAGGCGGGTATGCTCGGACTCGTGTCTCGATACTCGGCGTGGGCGTGGGAACCGGCC
 TCATGGCATTGGCCTCCATTGCCACACGGGACCAAGTCTCTCGGCGGCATGCGACTGACGCTGAATATGAG
 CTGGCAGGTGATCGCATTGCCCGTGTCTTCGGTGTGCAATGACGGTACTCGCATCTGTGAGCGCCGCA
 CGCACCGCCACCAGCGTGACCCCGTTGGAAGCCATGAGACCGCTTGAGATCTCAACCAGCATCGGGCCC
 GTGTGGGTGCGCGCGTCTTCGGTGCCTGTTCTGGCCCTCGGCGTTCGCGCTGCGCTTGTATCGCCATCCC
 GATGAACCACAGCAAGGATGGCGATATCTCCGCCAGCGCATTGCTCGCCGGTGTGCGGGGCTGCATGCTC
 ACATTCATCGGACTGGCCATGACGGCGCTGTTCTGGTTGCCTTGGCTCATGAAGGGCGTGGGAGCGTTG
 TCTCGATGTTGCGGCCGGCCGCAAGCTCGCCAATGCCAACATCCAGAAGAACC CGCGACGATTGCCGC
 CACGGGAACGGCACTGCTCATAGGCGTCACGCTCATCTCCACGTTGGCCACCGGTGCCGCCGCCGCGAAA
 GCGACGATGAATCAGGCACTCGACACCCGCTACAGTGTGACGTCGTGGCCTATGGCCCCGAATATCCCGC
 AGCAGCGCCGCAACAAGGTGAGAAGCGAACGGGGAGTCGGCTACTGCTGTATGCGAAGACCGCGAGCGC
 GGAATTCACCGACGAGCAGGGGCATGCGGTGCCACGACGCTATTGGCGTGCCGACATCGCGGCATTG
 CAGTCGGTGTCAACATCTCGATCGACAATCCGCGCCTGCATTGCGGGGCCGGTGATGCGATCATGCCGC
 TCGTCAACAACGCAACCGGAGCATCGTTCACCTTCGCCAACAACACGGTGCCTGAGCCAAACCGATGC

CGAAGGCAATCCGTCGCAGCACCCGGTCGATCTGCATGTGGAACAGCGCGACTACAAGCGCAGCGCACAG
 AACACGAGGCGGTGCGCTTCGTGAACACGGCGCTGTTGACGACGGCACGTTCAAGGCGGACGGCAATG
 CTATGCTCATCAAGCTCAATGTGCCGTCTGACATGTCGCTCTCGGATGTGTTGAGACCATCGAGCAAGA
 CTTGAAGTCTACCCGAACGTTTCAGTCGGAGGCCCGGTGGCGGAACGCAACCAAGTGGGAGAGCATGGTC
 AACATGATGCTCATGCTGCTCGTCGCATTGCTCGCAGTGGCCGTGGTCATCGCCGTCATCGGCGTGGCGA
 ACACGCTGAGCCTGTCGGTGATCGAACGCACCAGGGAATCGGCCACGCTGCGCGCCATCGGCATGACACG
 CGGCCAGCTCCGCGCCTCCCTTGCAATCGAGGCCCTGCTGATCTCGCTGGTCACGAGCGTGGTGGGCATG
 GTCGTCGGCACGCTGTTCCGGCTGGCTCGGCATCTACATCGTGATGAGTTCGATTGCCGACGTCGTCTACG
 TGATCGACTGGGGAACCTACGCGATCATCCTGGCCATCGCCATCGTCTGCTCGTCTCATCGCCAGCGTGT
 CCCCACGCGCGTGCAAGTGAAGACGCGCCGGTGGAGGCGCTCGCCGAAGCCTGATTTGGAAGGATATCA
 AATACCTGATGTCGGGTATGGAGTTTATACCTGACATCACGGCAAAGCCGGCCAGTAGTCTCCAAGTGGC
 CGGCTTTCGCATATGCCTGAACGGTACGGACTACACCAGGTGGTTCTCATAGGCGAAGACCACCGCCTGC
 ACGCGGTGCGGGCGTTGATCTTCTGCAGAATATGCGCCACATGCGTTTTACGGTGGGCAGTGAGATGA
 ACAGCTTGTGCGCGATCTCCTGGTTCGACAGTCCATGGGCGATCTCAATGAGCACCTCGCGTTCGCGTTC
 GGTGAGGGTGGCAAGCTCCGGATCCGTGTATTGCGCGGCGACTTCTGACTGCTGTCTGCCGGGCCCTTCC
 TGGGTGACGCGCTCTCCATCATCTTTTCGATGAGCCGTTTTGTGGCGGTGCGTGCGATGATGGCATTGC
 CTTGGTGCACGGTGGGATCGAGTTGAGCAGCGTCTCGGGTTCGGTGTCTTTGAGCAGGAAGCCGGAAGC
 ACCTGCGTTGATTGCCGACATGACGTAATCGTCGAGATCAAAGGTGGTGAGAATGATCACACGGGTGTGC
 TGCTCGCCATCGGCATGTGACGTGATCTGCGCAGTGGCCGCCAATCCGTCCATACTCGGCATACGCACGT
 CCATGAGCACAATGTCGGGGTGGAGCCGTTGACGAGCTGCACCGCCTGCGTGCCGTGCGAGGCCTGCC
 GACGACTTGATGTCGGGCTGCGAGTTGATCACCATGGTGAACCCGGCACGGACGAGTTCTGATCATCT
 GCGATGACCATACGAATCCTGCTTGCCTGCTGCCATGCTTCCACTCTAGCGAAACGCATGCCTTCATGCAG
 ATTCCAGACATGTGTGGAACATATGCATACCTGCTGTGGACTGCGGGAACGCGGTGAATTCTAGGCATTG
 CCCACACCACGGCTCTGCGCGGGGAGATCTGCTCGTCAAGCGATTTGCGGGCGTCAGATTGAGCTGAT
 TCTGCGAAGGATTCGTCTCATCGTGGCACCAGTTTCCCTCAGCACACCAAGCAGTTGCGCGATGCGCTT
 CAAAGCGGTGCGTCCCTGACTGCCGATGGCCGGAACGCCTGACTGATCCATTCTGCAGACGGCTCCTCT
 CCCTGCGCAAGCTGATGGTTCGATGATCGATATTTCTGCGTTGTCTCGACAATCACGCTGTTGAGCGTTT
 CACTCACCTCGGATTGGATGCTCGCGCTGATGCGGTGCGTTACGGTTGGCGGCGGAGATACGTTGTTT
 GCGCTGCTCTTCGCGCAGCGCCTCGGCCCGGGCTTCCAGCACCTGCGGATTCGATCCGCTGATCTTGACC
 CATGCGCCGAGCGCCATCGCCAGCAGGCACACCATGATGGACAATACGGCGAATTCGATGAACACTTGAC
 TGCGCAACTCGATGCTGACGGTGCCATCTTCGGGTGCAATGCAGGCGTGCGATGAAGCATCCACTCGAC
 GACCGAGGTGTGGCCCTCGACAAGCAGCATCGTCTTGAACGCAACAGCAGCCATCGAGTGAATCAGT
 GCGCTGAGCCATTTCCAGGTGCCCGTTTGTCTGTAGAGCATGGCGGCATAGGCGATGAATGGCGCCG
 CCAATCGGCGGTGAACAATGGTCTCACGAAAACAGTTGCAGGAACACGAGAATGGCGAACGCCAATGC
 GACCGCACGAGGGAAACGCCTGCGCCAGCACAGTGGCAGCATAAGCAGTACGGTCATCATACCCCCAAG
 GCGCCGATGCCGAGGAGAAGTGGTAGCCGGCGACCTGCAGTCCATGCCGCCAGGAACCGTCACGATGA
 TGCGGTCGTCACAGCGACGAGAATCGTGTCGGTGAGCACATAATGGTGTGCGGCCAATGTGACAGTCT
 GGTAATCCAGTTCTCGTGTCCGTCTCGTGATCTGCGCGATGGGTTTGAACGCAACGACTCGCCCACT
 TGATGAAATTGGGCCAATCTCGTGGTGCCTTGTGCTGCCCTGCTGAGCATCCCTGTCATCCACGT
 CTGCTCCGGTACTGTTGGCCGCATCACCGTCCAGCTTTCTCCGAGACTTCCACGGCGGAGGAGCCGCC
 GTGCATTGCTGTGTGCATCGCACTTGCCTGCAGGAGCGATTCCGAGCCGATGCCGGCCTGCTGCACGGAG
 GTGGCAATGGGACCTCAGCATGCACTGCGAAACCGCCGTTGAGACGGGGGCCTGCCTCCACCATGCCGC
 CGACGGCTTCGATGCGTTGTTTCATGCCAAGCAGACCGTAGCCGGCCTTATGCCATCCATGGCCGCCGA
 GGCACCACGTCCGTGCTCGCTGATGGTGAAGGAAAGGTTCCGCTGTTCCACTCCTCACGCACTTCGACG
 TTCACATTGAGCCCCGCTATTTGCGTACGTTCTGTAATGCCTCCTGCACCACGTGGTACATGGCCACAC
 TCGCCGACTCGCTCAATAGCTGCGGTGAGGGCTCACCCACGAGCTCACGTGCGACGTGGATGTGCGGGGA
 GACCTTGGCCGCTGCTCGATCAAGGCATTGATATCGTGGTAGTCGGCATGCGACGAGCCCCCGAATACA

CCGAGCAGCTGCTTCATATCGTGCATCGCATGTTCCGGCCTCGTGCCGAATGGTGTCCATCGTCGACCGTG
 CCAGTTGCACATCATGGGTGGCGGCATACCGCCACCGTCGGATTGGATGATGATGATCGAAAAGGGTATG
 GGCCACGATGTCGTGCATGTCACGGGCGATGCGCGCACGTTCCGGCCGAGGCGGCGATGAGTTTCTCTCC
 TGCTCCCGGGCGGCTATGGCCGATTCCGCTCGCCCAACATGCGGATCGTGTGTTGGCGCGCCGTTGCC
 ATAGTGCGGCCACGAGCGTGGTGGCCAGTACCAGCGTGAACATGATGAAGTAGAGGAGGCTCGATTCCAT
 GCTGGCGGCTGCACATGACTGCATCGAGAATCCGGCCCCCTCGGGCGCACAGGCATAGACCCCTGACAGG
 ATCGCCATGTGATTGCGCCCGAAGATTGTGCCATGGGTGTTCCGGAATACGATCACGGCGACGGTGGCGA
 CATCGAAGGCCAACGCCATGATGGCGTATTCGCGGGTCCGGTTCGGCAATCATAGACCACCGCCGAATA
 GAACATGGGCAACGCCATGGCATCCGCAAAGAGGAATGCCGGCCCGAACACCAGCTGCACCGCCACCGTG
 ACGACGAACCAGATGGCGGCGGCATGCGGCTTCGTGCGGCGCAATGCGAAGGGCAACGTGAGCAGAATCG
 ACCAGATGCGCGTCCACCCGTGCGCATCCAGCGCAACAGCAGGCCATCCTCCAGAAATGGCGGGATCGT
 GGTGATGGCCACAGCAGGCAGATCAGCATGGTGGCCATGGTGTGATGACCAGCATGCGGTGTGTCGCC
 AAGAAGGCTTTCAAGCGTTCTCCCATATCTTCAGCATATAGGCCACAGACCCTGCACATGGGTCTGTG
 GGATGATTGTGCTCTTGTGCGGTGCATGTGGGTGAGATTGAAGGCATTGCATCGTTCAAATGCCGTGAG
 GGAGTATGATGGCACTGCTCAATGAATACTATGTTCCGGGACTCCATGTGTCTGAGTATGCGATCGACGT
 GCCACTCGACTGGGATGGCCATGAGCCAGGCATGGGATTGATGGAGAGACGATTTCGCTGTTCTACCGC
 GTGGTCTGTGCCCCGAGCATGTGAACGACCGGTTGCCGTTGCTGGTGTTCCTGCAAGGGGGTCCCGGCG
 GCGCGGCTCCCCGCGCTCTCGCCGACTCCGATGGCTGGGTGCCGAGGCCATCAAGCATTTCCGTGT
 GGTGCTGCCCCGATCAACGCGGCACCGGGCGTTCCTCGCATATCGACTCACACACCGTGGCGAATATGGAC
 GGACGGCAGGCTGCGGAGTATCTGAAGAAATTCCTCGCCGGCCCCATTGTGCGCGACTTCGAGCACCTGC
 GGCGCACCGAGTTCGATGGGGAGCGCTGGGTGACGCTCGGGCAGAGCTACGGCGGATTCTGACGCTGAC
 ATACCTTTCGCTGTTCCCCCAAAGCCTCATCGCCAGTTTACCACCGGTGGCATACCCCATGTGCCGGCG
 AGCGCGAGGGAGGTGTACGAGCACACCTTCCACGCATGCAGACGAAGACCGAACAGTTCTACGCACGCT
 ACCCGCTCGACACGAACGCGTGGGCTGCGTGCGCGACATTCTGCGCAGCACCGATGTGACGCTGCCCAA
 CGGCGACCCGTTACAGTGGAGCGTCTGCAGACCCTCGGCTCGAGTTTCGGGATGAAACCGGCATTGAA
 CGGGTACATTGGCTCTTCGACGAGGCATTTCTGACGCGCAGCGTTCCGGCAAACCTCGGATTCCCCGCTCG
 CCGACGAGTTCTGTTGATGCGATGACCGCGACCTATCCAATCCGCTGTATTGGCCGCTCCAGGAGTT
 CATCTACGCGGACGGCGACCTCGACGCCCCATTGATTGGGCGGCGGACCACGTGTATGGGAGTCTGCCG
 CAGTTCAGCACTGACGCGCGCCGTTGCTGTTACCGGCGAGGCGATTTTCCCGTGGATGTTGAGCAGG
 AGCGCGCGCTCAGACCCTTCCGCGCCGAATGGACGTGCTGATGCAGGACACGCATTTCCGGGTGATCTA
 CAACGTGAACCAACTCGCCGCGAACACAGTGCCGCTCAACAGTGCGGTGTATTCGACGACCTGTATGTC
 GACAGCGGTCTGCAGCTCGACACACTTTCGCGCATAGGAACTCGCATTATTGGGTGACGAACGAGTTTCG
 AACACGATGGCGTGCACGGTGGCATCGTCTTCCGTCTCTTCGACGAGGCACGCGACCGCGGCGACCT
 GCACGAACCTGTTCTAGCATCGGGTTTTTCCGACGGTCTATACAGTATTGGCATATCGGACACTGTCAGG
 AGAGTGGTATGAAGGTTGGTTTCATTGGCTACGGCAACATGGCACAGGCAATCGCACAGGGATTGACCCG
 TGCGCATGCGGTGACGCGGAACGACATTGTGGCATGCGCCGCGCATTCGACAAGTTGGAACGCAACATC
 GCGGCAGTGGGCGGCACTGCCATGCACACCCCGCAGGAGGTGCTGCGGCGCCGCGACATGGTGGTCTGG
 CAATCAAACCATATCAGGTCGAGGATGTACTTGCTCCAATGGCCGGAGCACTCGCCGACGATTGAAAGAT
 GCTCGTATCGCTTGCCGAGGCTGGGATCTGGCGAGATACCAGACCCTGTTCCGGTGGGGCGGCGACCGGC
 ATCCACATCCAGTGCACGATTCCGAACACTCCGATGGCCGTGGCCAGGGGGTGTGATCTGTGAGAACG
 TGAACACCCTCACCCGAGCCAATGCCAGGGATTGTCGACCTGTTCTCCCGTATATCGCTCATCGAGGA
 GGTGATACCGCGCATATGGGGATTGCGATGTGCATGCGCGGTTGTGCCCCGGCGTTCACCGACATGTAC
 TTGGAGGCGCTCGGCGACGCGGCGTCAAGTACGGTCTGCAGCGTGCAGCCGATATCGTTTGGCCGCGA
 AGATGATTGAAGGTGTGCGTGCCTCGACTCGGGAGTTACCCGGGTGCCATGAAAGATGCGGT
 GTGTTGCGCTGGCGGCACACCATCAAGGGTGTGCGCGAACTCGAGAACCCTGCGTTCCGTGGTGGCGTT
 ATCAGTGCGGTGCATGCCATCGAGCAGGGCTGAATCGTTCTCGTCTGTATTCCGAACGAATGCCGTGACG
 CCGGTGAGGGAGCGTGGTCCACGCTGCCGACCGGCGTTTCGCGTAGATGTGAAAACCGGTGAAATGAC

TTGGCAGACCGCTAGTGTAGGCACTATGTCTTACTATCGGAATTGTGCGCCTGCCAATGTGGGCAAG
 TCCACCATGTTCAACGCGCTACCCGCAACAACGTGCTTGC GGAGAATTACCCATTGCCCACGATCGAAC
 CGAACACCGGCATCGTGCCACTGCCGACAAACGGCTGCCGGTACTGGCCGAGCTTGTGCACACCGACAA
 GATCGTGCCGGCAACCGTCACCTTCGTCGACATCGCCGGCATCGTCAAGGGCGCGAGCGAAGGCGAGGGA
 CTGGGCAACAAGTTCCTCGGAACATTCGCGAGGCGGATGCAATCTGCGAGGTCGTGCGAGCGTTGCAAG
 ACGACGACATCATCCATGTGAACGGCCATGTCGATCCCGACGATGACATCGACACGATCAACACAGAGCT
 CATTCTCGCCGATCTGCAGACGATCGACAACGCGCTGCCGAAGCTCGAGAAGGACCTGCGCGGCAAGAAG
 ATCGAGAAAAGCTACATGGATGCCGTGCTCAAGGCAAAGGAGATCCTCGAATCCGGTTCGACCATCGATC
 AGGCTGCGCAGGCCGGCGAGATCAAGAAGGAAGAGGTGTACGACCTGCACCTGCTCACCGCCAAACCGTT
 CATCTACGTGTTCAATGTGGACGATTGCGAGCTGCAGAACGAGGAACTCAAGCAGCGCTGTGGCGAAGTCG
 GTGGCACCCGCCCGGCGATCTTCCTCAATGCGCAGTTGCAATCCGAACCTACCGAACTCGATGAGGCGG
 ATGCTCGCGAGATGCTCGAGGATGCGGGACTGGACGAGTCCGGGCTCGACCAGCTCGCTCGCGTGGGCTT
 CGACATTCTCGGCCTGCAGACCTTCTCACCGCAGGGGAGAAGGAGGTGCGCGCCTGGCAGATCCACAAG
 GGTGGACCGCTCCACAGGCGGCCGGCGTCATCCACACCGATTTCGAGAAGGGATTATCAAGGCCGAGG
 TGGTCTCATACGACGATTTCGTAGAGGCCTACGGTTCGATGGCGAAAATCAAGGAAGAGGGCAAACCTGCG
 CCTCGAAGGCAAGGACTATGTGATGCAGGACGGCGACATCGTCGAGTTCAAGTTCAATGTGAGTAAATGA
 TCGGCATATGGCCGAGGGCCTTGCCGAAGACGTCAATGCCGCATGACCCGGGAGGGCCATGCGGCATTG
 TGCTCCTTCACCCTCGGCTCATCCGTCGATGGCATCGGCTGCGCGTGCAGCAGTGATCATCGTGAGCATC
 ATCACCGAAGGCTCAAGTGCCTTCACCGCGTGGCGCAGTCGGGTGCGCAAATAGACGAGGTGCGCGGGG
 CCACCTCGCGTTCGTCGTCGCCGCCGTTGACGAGCAGGCGTCCACGGAGCACCTGTATGAACGCCGGCAT
 GGCGGCCGTGTGTTGCTCAGTTCCTGCCCGAATCGAAGGCGAATAGCACGACGTTGCCGCTTCGGTT
 CTCATCGCGGTGCGCGAGACCGTCGCTCGGGCTGGATGCTCACCATATCCGCCACGCCGTCGAGCATCT
 GCATCCCCGTTCTGTCATTTGCATATGACCTCCTTGGTTACCAAACATCCTGAACGTATAGCCTAGCCA
 AGGCGCGCCGAATTGTGCATCGACCGCCGCTGAGGGCATAAAAAAGCCCCGCTATCGGAGCGGAGCTTG
 AATTTGCATCCAGAATCGCAAGATGTTGCGATAGGGGAGCGGAATCACTCGGCCTGCCCGCCGCCGCT
 TGATACCCGTGCCGTACCGCTGGGGGCTTCGGAAGTGCAGGACGATTGCTCGGCTCTGCAGGCTGGCG
 AACCTCGTTCGATTTCGGCTGTTGCGGGCTCTCGGTCTGCTTCGCGCTGCAGTTGCAGCCGCATCCCTTC
 TCGCCCTTCTCGGCTGCGTCGGCCTTGCCCTGGAAGTCGAGGTGCGCGTCGCTGGAGGCGCCCGCGGTGG
 AACCTCCGTTAGCCGTGCCGTTGTTTCATGTTGTTGCAATCCATATTGTTGTTGTGGTAGTCATGGTGT
 GACCTTTCTTTTGTGTTGCTCTCATATAGAAATCATTTATGCAAGCCGTATGCATGCATGCTGCCAT
 TCCATGACAATTCATGCAGGCAACGTACAGAGAAGGCTACTTTCTACAAAAAAACAGGGTTAATTCGT
 ATCTTTAGGGTGAACAATCTATCGTGTCAAAGGGTAGGAGAATCCCGTATGCCGTGTAGCACACGTTT
 GCTTTCGGGAAGCCAGGTATGCCGACGGGGAACACATGGCCGAGTGTCTGCGTGCATGGCACCTTGAAA
 TCATGGAGTTGAAATCACGGCCATTGCGGGCGAGGGACGTGCGCAAGGCCAGCGTCTCCGACTGCACAA
 AGTCGTGCTGCTGTCACAGGAACAGGGGTGGGATGCCGATGCCCTGTGTGAGCCAATCCGCGGGATC
 CAGGAACACGGTGGCATCGTCAAGTCTGCGAAGAACTGTTTCCACTGTTTCGGCAAGTCGCGCGCGC
 ATTGGCGAACTCGGCGTGTATGTCATAGACTCCCGAGATGAGCGAAGCTCCGCGCAGGTGGATTCCCGACG
 CCCGTTGATGCCGAATGCGTGGGCGGCATCGTCGTTGTGCTCGATGAGCAAGGTGAGCAGACTCAGGCA
 TGCACCGGCCGAATCGCCGGTGTGAAGATGTTGTCCGACTGACGGGGAAGTGTGTGATATGCTCGCCG
 ATCCAGCACAGCGCCGCTGGATGTCGTGCAATTGGCCGACGAGATCGGTCTGCGGAGCCGGTCTGTAGT
 TCAGCGAGAACACGCCGAACCCGAGATCGGCGAGATGCGTGTGAAATTGCGGTTGAGCTCCTTGATCCC
 ATAGGTGAACCCGCCGCCGTGGATGTCTATGTACACGGCAATGTGTTGCCGCCGGAAGTATGGCATCG
 CGTGGGATGTAGACGTGAGCAGATGGCCGCGCACTTCGCCGTCCCGGTAGCCGCCGTCCGGCAGGTAGG
 GGATGTGCGGTGTGCACATACACACCTTGCGGATCGTGCCATTGCAATGCGCGTGCATAGTGAACATCGC
 GCATTCTTGCGGAATCTGAGGCAGGCGGCTGCCGTGCGCTCCTGTACGCCCGGTTGCTCGGCATGCAGA
 TCCTCCGCAATCGCCGTCCAGTAACGGGCCAGACCGATCACTGCGTCGCGAAATTCGCTGGTGCCTGGCG
 TGTATTCGATGGGTGGGATCTCATTGTTCTGTACAGCTCCATAAAGCCTCCATACTGTTTGAACAACA

GTATGACGATGTCTTGTCTATATCGTTGCGGGAGATGGATGGGGCCGGATATGGGAAAGCCGGGTGGCGT
 ACAGGCTCACCCGGCTTGTGTCAATCGATGAATCAGCGTGTAGCGCGTCGGATCTATTGGTTCGTCGA
 GGTTCTCGAACTTGCCTTCTGTGGTGTGGGCTCCGGCGCCTCCTTGACGATGGTGCCGGTGGCGCGGCC
 GATGGCCTTCATGCCATGGTAGAGCACGAGCACGATGATGGAGCCGATGGCGATGCCGTTGAACTGGATG
 CCGTTCACATTGAACTCGAAGTTCGCGATGCCGACGATCATGACGACCGAGGCCGTCATGATGTTGATCG
 GTTTGGCGAAGTCGACCTTGTGTCCACCCAGATCTGCACGCCGATCATGCCGATCATGCCGTAGAGCAG
 GCAGGTGACGCCGCCGAGTACGCCTACCGGGATCGAATTGACCACCTGACCGAACTTCGGGCACAGCGAA
 AGCAGGAAGGCAAATCCCGCGCGCACCAAGTAGGCGGCCGTGGAGTACACCTTGGTGGCGGCCATGACGC
 CGATGTTCTCGCCGTAAGTGGTGGTGGCCGAACCGCCACCGATGCCCGCGACTGTCGTACCCAGGCCATC
 GGCGATGAGGGCGGTGCCGATCTGGTCGTATAGTTATGGCCGGTCTCTGGGCAACGGACTTCACATGG
 CCGACGTTCTCGGCGATGAGCACGAGCACGACAGGCAGGAACATCGGCAGGATCGTGAAGTCGGCCTGAG
 GCAGGTGGAAGTTCGGGAAGCCGACCCAGGCGGCCTGTTGATGGCCTGGAAATCGACCTGTCCGCGAAT
 GCATGCGTAGGCGTAGCCTACGAGCACGCCGAGGAGGATGTTGAGTCGGCCGATGAGCCCCTTGAATAGC
 ACGGCGATGAGCAGCACGGCTGCAAGGGTGACCAATGCGGTGTCAGGGGCGGCCTTGAATTTGGTCCAGA
 CATTGCGGGGCCAGATTGAAGCCGATGATGGCCACGATGGCACCATTGACCACAGGGGGCATGATTGGTTC
 GATCCAGATGGCGCCCGCCACTGGACGACGAAGCCTATGATCGCGAGCAGCAGGCCCGTGCACAGAATG
 CCGAAGGACGCGACGGCAATGCCTTTGCCGGAAGTTCACCGCTGCGATCGGGGCGATGAAGCCGAAGC
 TGGAACCCAGATACGACGGCAGCAGGTTCTTGTGATGAGCAGGAAAAGCGCCGTGGAGAACGCCGTGAA
 GAACAGTGTGGTCGACGGGTGCAAGCCCGTGAGGATTGGGACCAGGAATGTGGCTCCGAACATGGCCACC
 ACGTGCTGTGCGCCGATGCCGATGGTGGCAGGCCAGGTGAGGCGCTCCTTCGGTTCGACGATCTCGCCGG
 GCTTGAGTGTTCCTGTTCCATGGAGCGTCCATGTGAACATTTGCTTCAATGATGTCACGATTTCTCTC
 GCCGTTTCTCTGAGGTCACTTGAGCTTTGGAAAATGCGGCCATAGGCGTTATGCCACCGGCCGAATAC
 ATTGTAGCGGCAGCGGGAAACCACTGTGTGACATGTGTGAAGCAGCAGGTGACGGCATGTGAAAAGGGCC
 TTAGGATAGTCCCAAGGCCCTTTTCACATGGGTACACATAGTTTCGAAATACCGGTGGTGTGAGAAGAA
 CAGCACCGCCAGACCCAGCAGATGAGCACCAGGATGATCGAGGCGATGAAGCTGGCGATGAGTGGCTTG
 ACGCCGGTCTTCGCAATCGCCTTGAAGTTCACGTTGATGCCGAGGGAGGCCATGGCCATGCCGAGGAAGA
 TCTTCGCCACATTGCCGCCGAGTGCGTTGATGAAACCGGCGCTGGCGGGAACCGTCTGCAGGAACAGCGT
 GCCGATGGCTGCCGTGGCGATGAATCCGAGCATGAACCAGGGGAATGCGACCTTGCGCTTGCCACCCACC
 TCGGTGACCTCGCTATGGCGCTTATCCCACCAGATGGCCACGATGATCGAGACGAACACGAGCATGAGCA
 CGCGGGAAAGCTTCATGATGTTGCCATGGTGGCCGCATCGACCTGACCGGCGGGAACCGGACGGTTGAG
 GCCTTCGCCGGCTGCGACGGCATGGGCGATTTCTGTGAGTGAGCCACCTGCAATGAAGCCCTCCTGGGGC
 TGGGTGAGGTTGAGCAGCGGCAGAATGGCGATTTGAGCAATGCGAAGATGGTGCCCATATGGCGACGA
 TTGCGATTGCGGTGACTTCGTGTTCTCCTTCTCGCTCTCACGTTTCGGGGAGACCTTGATGGAGCCGGA
 GACGCCCATGACCGCCGAGCTCCGAGATGCCGGTGCCGAGGAGACCAGTATGGCCATGAGCGGGTTCG
 ACGCCCATCCAACGGCAGATCCAGTAGGTGACGAACACGGTGACGGTCACGACGAGCGCGCAAGGGGCA
 GACACTTCGCGCCGGTGGTGAAGCAGTTTCGAGATTGAGCTTGAACCCAAGCAGGATGATGCCGAAACG
 GAGGAACTTGTGGCGATGAGACCAGCTGCGTCCTTACCCCTGCCGCACGTTGCGGATCATCCTTGGTG
 TACCAGGCACGAATCGGGAAGTGAACCACCATGCCGATGAGCAGGGCGATAATGAGCGCGCCGAGGATCT
 TGAGACCCTCGAACCAGCGCGGCCACATGCCGATGAGTGTGGCCGTCAATGTGATGATGGCAATCAGCGC
 CATCTGTTTCGTGGCAATGCGTTTGGCCATTTTCTACAGAATTCTTTCATGGTTTTATAATACAGTTG
 CTCCATGCATGAGACGAGTATTTCAATTTATTTGAGCAATTGCCGTGGAAGTCATACTGAAACGCCGGCCA
 TTCAGTCCCCTGGCGTGTCCGGTGGGCCCCATTTGTTGTGGCCGTCCGCTAACTGGGTGAGTTTGGCG
 ACTCGCGCATCGTATTACGACCTGAAAGGCCATCGTGCCACTTACACCATCGTTGAATGATTTAGATACC
 ACTATGAATGATGCAGACTCTGTATATGAGGAGCCCGCGCAGTCGTTCCGTGAACTCGGCGTGCCCGGGC
 TACTTGTTGCGCTGCTGGCCGCCGACGGCAAAAAGACCGGTTCCCAATTCAGCAGGACACGCTTCCGGA
 TTCGCTTGCCGGGCGTGATGTGCTCGGCCGAGGACAGACCGGTTCCGGCAAGACCCTGGCTTTCGGCCTG
 CCACTTGTCTCCAGACTCTCCAGCATGGATCGCGCCGACGATCAGGATTTCCCCCGCGACATGGATTTCG

AGACGTTGCGAAAATCGCTGCGTTTCAAGCGCGGTGTCTCGAAGTACATGCCGCATCCGCGCGCCTGGT
 GCTGGCGCCGACCCGTGAGCTCGCCAACCAGATCAGTGACGTGCTCACTCCTCTCGCAGATGCCTATGGC
 ATGGCTGTACTACGGTGTATGGCGGTGTCAAGTATGAACGCCAGTTCGGTGCTCTCGACGCAGGCGCCG
 ACATCGTCGTTGCTGCCCGGGACGTCTGGAGGACCTGATCGAGCAGCAGGCGCTGACACTGCCGATGT
 GCGCATCGTGGTGCTCGACGAGGCCGATGAGATGGCCGACATGGGTTTTCTCCGCCGATCAAACGCATT
 CTCAAGCAGATTGACAGGATGCGCAGCATATGCTGTTCTCGGCCACGCTCGATCATGGCGTGACGAGG
 TGGTCAGTGAATTCCTGCATGATCCGAAGGTGCATAGCGTCGACGAGGTGACGTGCAACGTCGATTGAT
 GACCCATCATCTGTTCTCGTCTCCCGCAACGACAAGGCTGCCGTGTCGAGGGAGCTCGCCAGTGGACGT
 GGGCGCCGCATCCTGTTACGCGTACGAAGTTCAGGCGAAGAAGCTCGCCATACACTGACGCAGAGCG
 GAATCCCGGCAGCCGAACCTCCATGGGAACCTGAGTCAGCACCAACCGCATCGGAACCTGCAGGTCTTCA
 ATCCGGTCAGGTGAACGTGCTCGTGCCACCGATGTGGCTGCCCGCGCATCGATGTGAGCAACGTTGGT
 CTGGTGGTGAGGTGAGCCGCCGAGGATCCCAAGTCGTTACCCATCGTTCGGCAGAACCGCACGTG
 CCGGCCAGTCCGGCGATGTAGTCACACTCATGACGCCGATCAGAAGCGCAAGATTCGTACCTGTTCAA
 AGAGGTGACATCAAGCTCAAACAGTCGAAGTCAACCCCGAATCCCCACAGGTGCAGGAACTCGTGGGG
 CAGAAAGCCGATCCGGTGCATGGCTGGGAGCTTCCCGAGCTTGAGCGCAGACCTCGTAAAGGCAATGGCG
 GCAAGTCGCGTCGTGACCGGGTTCGCACGAACCGTGATGAGGAACGGGGCAACCGCTCGGCCGTGGTG
 ACGCCGTACCGGAAGGGCGAGCATAGGCCACCGAACCGCAACGCCGGATTGCCAAGGAGCAGCAGGAA
 TTCGCCGATTGTTCTCGGCGATGTGAGTTCGGACAACCCACGTTACTCCGAGCCTGCGGAGTCGGAAC
 AGGCGAGCCGCCATGAGCGCAATCATCGGCGCGACGAACGGCCGTGCAACCGGCAGGAACGTCGCGCCGA
 GCAGTTCGGCGAGGCCGGTGACGACCGCGATTACAAGAAATCACGCCAGAACCGCAACAACGGCAAGAAA
 CGCATCGAACGGCGTCGTGCCCCGTCGCGAGGAGGAGCGTGAAGAGCGTCGGGGTGGAACGCATCCACC
 ACCACGACAACGGCCGTCTGTTGATGCCCCGCGATGAATCGGTCAAGCGCCATGAACGCAGGCTCGAGGC
 CCGCGAGCAGAGTCGAACCAACCCCAAGCGCGCCAGAAATCAGGCAAGCATGGGCAGTTCAAGAACAAG
 GGCAAGCGCCGCAACAACAATCCGTTCCGCGGGGGCCGTGGCCGTGCTGAACGTGTGTACGGGTTCCGC
 CTTTGCCGTGAGGGTGGGCATAGGCATCGTCACTGTCGAAGCTCCCTTACGTTCTCAGCCTATGCCC
 ACCCTCACGGCCAAAGGGAGTGCCATCTCGCATGTTAGGCTGTATTGCCGGTGTGTTGGGGTGGGGCTGG
 CAGGCACATCGAGGAACGTAAGGGAGCTTGCAGAGTGACGAAATGTGCTGCCAGCCCCACCCAAACA
 CCTCACCTGATTGATTGTAAGAATTATTTCTGGGGGTTCTCGGATGAAGTTGTAGCCGAGGGATCTCCGC
 CGTTCATGAAGCCTGCGCAGAGCGCATTGAGGTATTGGGGGCGAGGCGGGTGCGAAGGCGACGCCCTT
 TGCAAAGGCTCCCGCATAGCCCAGCGCACGGCCGAGTTGCATCTTGCGGTACGCGAACTGGGCAATGGCC
 TTTGGCGTGAGGGCCTGACCATCGTGAAGAAATTGTGCCCTGCATGGCAGCGGCCTTTTCGAATCCGG
 TGCTGATGGATCCGGGGCAGATGCATGTGACGGTGACGCCGTGCCGCGCACCTCGCGGGCCACGGCCAC
 ACTCAGTGAGCGCACGAAGGCCTTCGAGGCGTAATATGCGGCCATATACGGCCCCGGAATCGTCGCCGCG
 ACCGAGGCGATGTTGAGAATCCGCCCCCGGTGACGGGCCACCATGTCCTCGCCGAACAGACGCATGAGCT
 TGGCCAGCGTAACCATGTTACCTGCATCATCGCATTGAGTTTCCGCTGTCTCATGCATGAAGTCCGC
 CCAATCCCGAAGCCTGCGCAATTGACGAGCGTATCGATCACGATGCCTTCTCCTGGGCATAGCGGAAC
 AGTTTCTCGCGGCCTCGGTGTGCGAAAGATCGAGCACACCGACGTGACGTGCACATGGAACGCTTGA
 TCAACTTCGCTGCAGCTCGGCAAGCTGGTCCGCATGCCGAGCAGTGAGCAGGAGATCGTGATCGTCGTT
 GGCGAACAGCAGCGCCAGTTCGCGCCCCAAGCCGCTGTGCAACCGGTGATCAAAGTGGTCATAATGCCT
 CGATTCATGCAATGTTCTGATGCGTGGGTATTGACATGCGCATCGATATGCCCCACACTAATCACGCGGG
 TTGCCCATGGCATGCATTTCCGCCACGCGTGAGCGCGGGCGGGAATATGTGTGGACGCGCCACGTTGTC
 GTAACGCAGGCATTCAGTGGGAGGTGCAACATGACGTTGGTTTGGTCGATTCTAGTTGCCGTGGCA
 CTCACCGCGTTCATCGATGTTCTTCTCGCCCCAGGAAAGCCACAAGGCGCAGGTCTCACAGGGTA
 TGCAGACCGCGCATGTGTCGTCCGCGGAGGCTACGAGCCGTGCTCATTGAGGTCAAGGCCGGGACGCC
 GATCGTACTCGACTTCGATAGGAAAGAGAGCGGGGAATGCTCCTCCACGTCGTGTTCCCGGAGCTCGGC
 ATAGACCGCACCTGCAGGCGTTCGCCCATACGAGGCTGAGGCTGCCCGCCCTCGCACCCGGGGAATACC
 CGTTCGCTGTGGCATGAACATGCTCCATGGGATGCTGCGGGTGACCGGTAAAGGCAACGGGGAAACCGC

AGCAGCCGAATCCAATGGCGTGTGCGGAGGCCACGGGACTCTCCGATGCGGAGCAGCTCGAACAGCTGCAG
 TCGGCGGACGACGCCGAGCGGGAGCATGAGATCGGCGAGCTCAAGAGAAGACTGATCGTCGGTATCGCGT
 TCACGGTGCCTGAACTGCTCATCGCCATGCTGCCATGATCCCCGCTGTGGGGGCATGGATGGCGCATAC
 GTTCCCCGCATGGGTGATGAGCCGTGGCTGCAGCTCATACTACGGCACCGGTGATGTTCTATTGCGGT
 TGGCCCGTCCATCGTACCGGTTGGCTCGCCATTGCCACCGCGCACCGGAGATGAACTACTGGTCACCA
 CGGGCACCTGCGTGGCCTTCTGTACTCACTGTTCTGTCACGATCTGGCCAGACGCGCTGCCCGTGGGGTC
 ACGCGAACCTATTACGAGGCGGTGGCGACGATCATCACGCTGATGATCCTCGGACAGCTGTTCTGAAGCG
 AAGGCGCAGGCCGGCACCGGTGCGGCGATCAAGGCGTTGGTAGGACTTCGGGTGAACACGGCGCATGTCTG
 TCACGGAGCATGGTATGCGGGATATCCCCACTGCCGACGTTGCGGTGGGCGACATCATCGAGGTGCGCCC
 CGGCGAGAGCCTGCCGATCGACGGCATTGTTGTGAGCGGCCACACAAGCATCGACGAGTCGATGGTGACA
 GGCGAGTCGATGCCGGTGGCGGTGGGGGAAGGAGCCAGCGTGGTTCGGTTCGACGGTCAACGGCAATGGCA
 CGATCCGCTACCGTGCCACCCGTGTGGGATCCCAGACCGTGCTCGCACAGATCATTGGGCTCGTGCGTAA
 CGCGCAGACCTCGAAGGCGCCCATCCAGCGCATTGCGGACCGGTGGCCGGCGTGTTCGTGCCGGTCTGTC
 ATGATCATCGCCGTCTGGACCTTCGTCTTCTGGCAGATGGCTCCGATGCCATTGCATGTGCTCTACGGCA
 TTGTCTGTGCGATCAGTGTGCTCGTCATCGCCTGCCCGTGC GCGCTTGGACTGGCGACCCCATGAGCAT
 CACCATCGCCACGGGGAAGGGTGACAATATGGTGTGTTGTTCCGTTGCGCGCAGGCGCTCGAGAACACG
 CATCGCATCGACACCGTGGTGCTCGACAAGACCGGTACGATCACCGTGGGCAAGCCGCAGGTCTGCGACG
 TGGTGGGCTGGCCGATGATGACGGCGGTCCGATCGACGTCTCCCATATGGCTAAGATACCGGGATTCTC
 GTATGTCGCCGAGTAGAGGCGAAATCCGAGCATCCGCTTGCCGAGGCGATTGTGCAGGCATATCGCTCC
 GAGGTGCAAGCCCCGCATGGGGCGTTGCCACAGGTGCGCGATTTTCATAACGAGCCCCGTGGCGGTGTGA
 GCGGCCATGTGCAAGGCCACCGCGTGGTTCGTAGGCAATGAACGCTTCGTGCAGGCGCATGTTGATGAAGA
 TGCAGCTGTTTCGAAGCGGGTGCATGACGCCGTGCAACAGATGGCCGAGAAAGCACGCACGCCGGTCTGTC
 GCTGCCGTGGATGGCGTCTGTGATCGCGGTCTGCGCGTCCGATGCGCTCAAGGAGACCTCGGCCCAGG
 CAATCGAAGCATTGCAGATGCGGGGCATCGACGTCGTGATGCTCACCGGCGACCATGAGGCCACGGCACA
 GGCAATCGCCGGGAGCTCGGCATACCCATGCCGTGCGACAGGTACGCTGCCGATAAGGAGGCCGTT
 GTACGCGAACTGCAGAACCAGCACCGCGTGGTGGCCATGGTGGGCGACGGCATCAATGACGCGCCAGCGC
 TGGCCAGGGCCGATGTGCGCATGGCGATGGGTTGGGACCGATGTGGCGGTGGAATCCGCGGATGTGAC
 GTTGATGAATTCGTGCTCGAGTCGGTGGTACCGCCATCGATCTGTCGGATCGCACGATGCGCAACATC
 CACCAGAACCTGGGTTTTGCGCTTGGCTACAACGGACTGGGCATCCCGGTGCGCGCCGGTGTGCTCTACC
 CACTGTGGCATGTGCTGCTCAGTCCGATGATCGCAGGTGCCGCAATGGCATTCTCCTCGTTGTCCGTTGT
 GCTCAACGCAAACAGACTGCACGCCTTCGTGCCGAACCATGCTAAGCCTGTACGCAGAGGTGCGCGCACG
 CCGTTGAATCTTCGTTTCCGCTTCCGCTGCGAGACTCTCCAGTCTGCGGCACGCACACCGACTGCCGGC
 ATGAATCCATCACGGAACATGAACATAAGGAGCATACCATGGCACATCAGGAACACATCGACCCAATCTG
 CGGCATGGTCTGTCGATCCGAAGGACGCCGCCGACACCGCGTCTATGACGGGCGGACAATCTACTTCTGC
 AGCAAGCATTGCGCAGGTGTCTTCGACGAGGATCCGGCGAAATACGAAGTCGGGCAGTGAGATGACAATG
 CAACGGACGGAGGCGGCCGCCCGGAGACGCATGTGGCCTATATGGCCGGCGGATGCTTCTGGGGACTCG
 AACGAGCCATGCAGAATGTGATGGCGTCCTTGACACCACGGTGGGATACGCGCAATCCATTACGCCGGA
 TCCCACCTATCGCATGGTGTGTTGCGGAACGACCCACGCCGTGGAAACGGTGCGCATCGATTACAATCCG
 ACGCGGGTGAGTCTGCGAACACTGACCTTGCTGTTCTGAGCATCATCGATCCATTACGCGTCGACCGTC
 AGGGCAACGACGTCGGGTGCAATACCGTTCCGGACTGTATCCGGCCGGTGGCATGCCGCCGAGCAGCG
 CGCGGTGTATGAGCAGGCGTTGGACGAACTCGCGCAACGCTCCGGATCGACTCCGGCCGTTGAGATCGAG
 GATTTGCGCAATTTACGATTGCGGAGCCCCGAACATCAGGATTACCTGCTCGCCAATCCAACAGGCTACT
 GTCATATTCCACTGAGCGTGATCGACCACATGCGCGAACGTCAGCGTCATATCGAACGCATCTGGAGCCT
 GAGCCCCGAACAGTATGCGGTACGCGAGCAGTCTGCCACCGAACCGCGTTCCATAACGAATATGATCGT
 CTGTTGACCCCCGGCATCTATGTGGATCGAGTCAGCGGCGAACCGTTGTTCTTCTGACCCGACAAATTCG
 ATTCCGGCTGTGGCTGGCCGTCTTCAGCACGCCGATCGATCAGGGGTCCGTACGCGATGGTCAAGGATTA
 CAGCTTGCCGCTGCACCCGCGCCTCGAGGTGCGGGCCGTGCAATCCGACAGTCATCTGGGCCATGTGTTT

GCAGACGGCCCCCGGAACGTGGCGGCATGCGGTACTGCATGAATTCGGCGTCACTTCGATTCGTACCGC
 GAGATCGGATGGCCGAGGAAGGCTATGGGGATTTGGTAGGAGAGCTCGACGCGCGGTGAGCGCTTCTGC
 CGGCGAGTGAGGAATCCCGTTCCGGTTCAGTGCCTGTGCATGCGTTCCGGCAATGCTCACGATAATCCCCA
 CGACAAACCCGGCGAGCGCTGGAACGACCAACCAAGAGCCACCGAGTTGAGTGGAAGCCAATTGCACGC
 AGTCTCGAGCCATACCAGCCGTCCGCCGAATGCGGCGACGAGATTGGCGATGCCATTGGCCACGCTGTCTG
 ATGGCGGTGAACAGCACCGTCCAGAAATAGACAGCAGGGAAATGCCGCGTGAACACGCCATGCAGGAGCG
 AGAGCAGTACGAGCACGATGGCTATGGGGTACAGGGCCTCCAACACCGGTACGGAGAGTTTGATGATGGC
 GCTCAGCCCAATGTTTGCAATGACCAGTGCATGAGTGTGAAAACGATGGTCCAACCCCGGTAGCCAAGC
 ACGGTGCCGAATGCTTATGGAAGTAGGACGAACAGGTGGAGAGGAGTCCGGAGCACACATTGAAGCAGG
 CCACAATGAAAATGAGTCCCAAAACATGGTGCCACATGGCCGAACAGACGGTCGGTGAGATTGGTCAG
 CACGGTGGCGCCTGTATCGGTGGCGCCATCGATTGCCTGGTACGAACCGGAGACCGCCCCACAAAACCC
 AGCATCGCATATATTATGGCGAGCATGATGCCGGTGAAGATGCCTCCGATGCCGGTCTCCGCGCGATTGT
 CATGCTCGTCTTCGACGCCCATCGAGGAGATGTTTCGCGGAGATGACAATGCCGAAATAGAGGCCGGCGAG
 CAGGTCCATCGTCTGGTAGCCGTCGATGAAGCCCTGCATCAGCTGATGGTGCGCATAGGAGCCCTGCGGA
 TTCGCGAATCCGGGATGTTTGGCGAACAGGCAGGCGGCGAACAGCACGACGATCATGACGAGCAGCAGTG
 GGCCCATCACCTTGCCGAGCACCTGCGACAGCTTGTGGGATGCTGGGCCACGAGGAACGCCAAGCCGAA
 GAACACCAATGAATACAGCAGACGCACCCAGCCACAGTTCTGTTGGCCGGCGAAGGGAACGACCGCCATT
 TCGAACGAGGTGGAAGCGGTGCGCGGAATGGCGAACAGCGGGCCGATCGTGAGCATGATGGCCACGCCCA
 GCACCAGAGCGAAACGTTTGGACACCCTGGCGCTCAGATTGCCGAATCCGCCCGCCTGCGCCACGACGAT
 CACGCCGAGGATCGGCAGTCCCACTGCGGAGACGACGAAACCGACCATGCCACGAGTGTGCGATTGCCG
 GCGAGAGCCCCGAGATAGGGGGGAAAGATGAGATTGCCGGCACCGAAGAACATCGAGAAGAACGTGATGC
 CCACGATGATGCGTTGGCGTGTGTGAGTCGCTTATGCGAATGAGGATTCAGTTTGCCCATGTCTGCTCC
 TGTGTGCCGTGTGTGCCGTGTGTGTCCTTTCCTATTGTGCCTGCCTATGCGACAGATTTGTGCACGCTGT
 CAGAGGAAAACGTGCCTGTGCCGTATGTTTCGTTCTAGTGTGGCGCTTGAGCGACATCGAGGAGACGCCA
 TATGAATGTGAACACGCACGTATGCGGTCCCACGCTGTTTCTGGCCTCGTCGAGCACAGGGCTCATGCCT
 GTGCTGAGACGTGAGCTCGGCCCGTTGCGTGCGTCCGCATGGCATTACACGACGGCGAGCACGGTGG
 AGTCGTATGGGGTGCTTGTGAGGCTCATGCGCATACGTTTCGCGCTCGCTGGATTGCGGGTGACATGGT
 GGATCCCGAACGTATGCCCGCCGCTCAAGTATGTGCGCGATTGCAGTCCAGCGACATCATCTATGTGGGT
 GGCGGCAACACATTCCATTTGATGCACCATCTGCATGCGGCCGATGCGGATGACGTCATTTCGAAGCTGG
 TGCGCGAAGGGGTGCCGTATGTGGGGGAGTCGGCTGGGGCGGTGGTGCGTCTGACGACATCTCGTACAT
 CGCGCCGATGGATGAGAACAGGGGGCATAACGCGTATGCGGGGGCTCGCCCTACGCGCTTCCATGTCATT
 CCGCACGTGGCTCGGTGTGATGGGCTCCAGCGCACGTGCGATCGTCGCCATGCATGCCGGGCAGCAGG
 ACTATGTCCCCTGTTCAATGGTCAGGCATTGGTCGTTTCGAGGTCATGTGGCTCGAATTGCCTCGATGCC
 TTTGGTCGAGCAATTCGCCGACTACGCAATGCATGCCGTGAATGCATGCACAGTGCAGGGAAGATGCAT
 GTGCATTAGGCAGAATGTGGGCTAGACTTGGTGACGGAACACAATCGAATACAGGAGGCATACATTTATG
 AGTGACCCGGCAAATGTGGGTGTGCTGGGACTTGTGCCATGGGGGCGAGCCTGGCTCGTAATCTGGCCC
 GTCATGGCAATGCCGTGGCCATCTACAACCGGCATTATCCCGTACCGAGAAGCTCATGGAGGAGTATGG
 CGACGAGGGCGCGTTCTACCCGGCGAAGACCGTCAAGGAGTTCTGTCGATCTGCTCGAACGTCCCCGCACC
 GCCATCATCATGGTCAAGGCAGGATCGGCCACCGATGCGGTGATCAACGAGCTTGCCGAATATATGGAGC
 CTGGCGACATCATGTCGACGGTGGCAATGCCTATTTCAAAGACACCATTCGCCGTGAGAGGGAAGTGGC
 CGCCAAGGGTCTTCATTTCTGTTGGCATGGGTGTCTCCGGCGGCGAGGAAGGCGCATTGCTTGGACCATCG
 ATGATGCCGGGTGGCAGCGATGAGTCGTGGGAGCGTCTCAAGCCGATTCTCGAATCGATTGCGGCCAAGG
 CAACGGATGGCGAGCCGTGTGTCATGCATGTGGGGGAAAACGGGGCCGCGCCATTTCTGTCGAAGATGGTGCA
 CAACGGCATCGAATACGCCGACATGCAGCTCATGCCGAAAGCTACGACATCATGCGCCGTGGCCTGAAC
 ATGACGCCCGATGAGATCGGCGGCGTGTTCGAAAGCTGGAACAAGACCGACCTCGACTCTACCTCATCG
 AGATCACCGCCGAGGTGCTGCACAAGAAGGATCCGCGCACCGGAAAGCCGTTGGTCGATGTGATCGTCA
 CCATGCAGGCATGAAAGGCACCGGAACCTGGACGGTGCAGACCGCCCTGAACTCGGTGTTCCGGTCACC

GGCATCGCCGAGGCCGTGTTTCGCACGCGGGCTCTCCGACCAGAACGTAAGTACTGCGCGAGATGGCACAGCAGA
 ATCCGTTTGCAGGTCCCGACGGCCATATCGATCTCGGCGATCTGAGCCGCGAGGAGTTCATCGGGCAGAT
 CCGTAACGCACTCTATGCTTGAAGATCATTGCCTATGCGCAGGGCTTCAATGAGATCAGCGTCGCGGCA
 CGGACCTATGGATGGAACATTGACATGGCGCATCTGGCACGCATCTGGCGCGCCGGCTGCATTATTCTGTG
 CGCAGTTCCTTGATCGCATCTCCGAGGCCCTTCAATCCGGGCAGGCCGATGTCTCGCTGTTGTTTCGCCCC
 GTATTTCAAGAGCGGCATAGAGCACAGCGAGGCGGATTGGCGCAGCGTTGTGGCCACCTCAGCCAAGTCC
 GGCCTGCCGGCGCCGGTGTCTCGTCATCGCTCGCGTATTCGACGGCCTGCGTGCCAAGAGGCTTCCAG
 CCGCGCTCACGCAAGGCCAGCGTGATCTGTTGCGTGACACACCTATGGCCGTGTCGATATGCCGGGTGC
 CTACCACATCCTGTGGGTACGCTGAGCAGAATGAAGTCAAGATCTCCGACTGATTCGCTTGTGGTAT
 GGGAACGGGGCGGATGCATGAACATGCATCCGCCCGTTCCCATACCAAGCCGTGCGGATATCAGCAG
 TCCCGGCCGGCCGCTCGTCAGTGATCCAAAGCACCTGCTGCACAGCATCCGCATAGGAGGCGGGAAGGG
 CAGGATTGTTCTGGGCGTGGAACGTCAATCCCATCGCCTCGGCCTTGCCTCACGGGAGCCGCACACCCA
 TACGTAATCCGTCTCACGATCATCGGCACCGTCAATGACAGGCGCAATGGAGGCATCTTCGGCGAATTC
 GTCACACCCGTACCAAGCACATCAGGGTCGTTGATGCCGACTTGGGGCATATTCGAAACAGGGAAGCGA
 AGTGACCGTCGGGTCCCAGGCCGAACATCGCGATGTCCAAATGGCCATTCTACCGAGTTCCTTTTCGAG
 CTCGTCCTGATAATCGGCCGCCGAGCCGCCAACGCCACGGCGTTGTCCTGATCGGTGGCGGCTGCGAGC
 TCCTCTGCGAACGGCGGTCTGCAGGCATTTCTGTAATCTGGTTGCGGGCGATGCGTTTTCTTTCCAACA
 GCATGTCGAGCAGCGCTCAGATGCTCCACGGCATTGCGCTCGGCGCTGTTGCGAGCCACGAAGCGCTC
 GTCCCCCACCACAGATGCACCTTGCTCCAATCGGGAACGTCAAGCAGCGGACTGCTGCGAGGGCGCGG
 AGGATGGCGGTGCCATCGGTGCCACCTGTCAATGCGATGTGACGCGTTCGCGGTGCGGACGGCACAGAA
 TGTCAATTGGCCAGCAGCAATGTGCGTGCCGCCACGGCATCGGCGAGAAGTTGGGGGGTGGAGTAGGAGAT
 GTGTTGCGGGTTCATGAGTCTCGTCTTCGAAAGGGTGGTAAACAAGATGCTGCCCGCTCAAACAAGCGG
 GCAGCATGCGGGGCGAGGAATGTGTTAGCGGATGCTCGGGTGAATCTTCTGCCAGCCCTTGGTGAGCACT
 TCGGCATAGATTTTCATCGGGGTAGAGTCTGCCGAGTTCCTCGCTCATGCAATCGATCATGAACGGATCG
 GCAGCGGCATGGCCTGTGGTGACTGGCCGGGTACGCTAATGCGCGCAATGCCCTTCTACTCGGACGCCG
 TTCCAGACTCAGCTCGCCGTCTTGCGGGTGAGGTAGACGCCGGTGATGCGCTGCGCATTTGGCTCGATT
 TCCATGGTGACCGGCACATTGAGTCGCAGGGTCAGCCATGCGGCCAACAGATCCATTGGCGGGTAGTCCT
 GCTCGCCGGTGATGCGCACCGACTGGATCGGCAGATGCGGCGGCTGATCCACCATTGAGGCGAGCACGGC
 ACGCCACAGCGTCAGCCGTGTCCACGACAGGTGACGCTTCTTCGACGACAGTTGCGGCGTAGATCCTCA
 ATGGTGCGTTGCGGGTTCGATGAACGATATGCGTCGGTGATGCGCGTGTGTGCCATCTGTCCGAGCAGGT
 CGTGTGACGGGTTCGCCGGCGCTTCGGTGGGCCACCAACCATCGGGGTGTCAGGCAGCAGCAATGG
 GATACCAACGTGTGAGGTGATGGGTGAGGCCGCCACGCGGGCGCAGAATGATGATTTGCGCGGCGCCG
 GCATCCGCGCCACACGCAGTTCGCATCGAGATAGGTGCGTTCGGACTCGGGTTCGGTCATCTCCCTAT
 GGCTTGGGCAGATGGCGATGACACGGCATGGGTGATCGCGGCTTGCTCGTTGGCAATGCACAGTGAAT
 TTCGAGGTTTTTCTCGTCGGTTGCGACCACAAGCGTGAGCACACGGCCGAGTGCGGCCTCGCCGCGCTCC
 TCGTGGAGCTCGTCGATCTTGCCGAGATTTTCATCGGTCTGGGTATCGGTCAATGTCAGGATCATGGCAT
 CCTCAACGGTGTCCATCACGGGCAAGCATCTCCACCGCTCCTGGGGCCCCCATGTGCCGGCACGATAT
 GGTGTGGTTGGCCGAGCGTGGAACAGAAATCCTCGATGGGGTCGAGGATCTTCACGACAGGTCCACTT
 CCTGTGTGGTGGGGAACAACGGCGGATCTCCAGCAGCACGTGAGGATGAGGCGCTCGTAAGCCTCGGG
 TGACGATTGGTGAAACGAACGGCCGTAGCTGAAGTCCATCGAGACGTGCGGCACCTCCATGGTGGTGCCT
 CCGGGGACCTTGGATCCGAAACGAATGGTGACGCCCTCATAGGGCTGGATGCGAATGACGATGGCGTTCT
 TGCCGAGTTCCTGTGTCGCGGTGCTGTCAAAGGGCAGATGCGGGGCGCGCTTGAACACCAGCGCAATTC
 GGTCACGCGGCGGCCAAGGCGCTTGCCGGTACGCAGGTAGAACGGGACGCCAGCCAGCGACGCGTGTGC
 ATATCGAGTCTGACGGCCGCATAGGTTTCAAGTGGTGAATCCGGGTGATGCCCTTCTCCTCCAGATACC
 CCACAACCGGACGGGAGCCCTGCCAGCCTGCTGAATACTGTCCGCGAGCGGTATGCGCGGCAAGGTCTTT
 CGGCAGGCGTACGGCCGAGAGAATCTTCTGCTTCTCATCGGTGAGATCACGCGCATTGAACGAAACCGGT
 TCCTCCATGGCCGTCAATGCGAGCAACTGCAGCAGATGGTTCTGGATCACATCGCGTGCCGCACCAATGC

CGTCGTAGTAACCGGCTCGCCCCGCCACGCCAATGTCTTCGGCCATCGTGATCTGCACATGGTCCACATA
 GTTCGAATCCATATCGGCTCGTACATGGAGTTGGCGAAGCGCAACGCCAGCAGATTCTGCACGGTCTCC
 TTGCCCAGGTAGTGGTCGATGCGGAATACCGAGTTCGGGTCGAACACCTCGGAGATCACGCGGTGAGCT
 CTTGCGCTGGCCAGATCGTGCCGAACGGCTTTTCGATGATCACGCGCTCCAGGCGTCGCCGTTGCA
 TTTGGCCAGACCGCAGTTGGCGAGCTGCTGCGCCACGAGCGGGAAGTCACGGGGCGGAATCGACATGTAG
 AAGGCATGGTTGCCGCGTGTGCCACGGTCCTTGTGAGTTTCGGCCACCGTATTGCTCAGGCGCTCGAATG
 CATCGGCATCCTCGAAGGTGCCATGCACGAAACGTATGCCCTCTGCAAGCTGGTTCAGGTGACCTCGTT
 GAAATGCGTGCGGCAATGCTGCTGCACATTTTCTTGACAAATTGACGGAAATGATCCTCCGTCCAATCA
 CGCCGTGCGAAACCGGTGAGACCGAAGCTCGGTGGCAGCAAGCCCCGGTTCGCGAGATCGTAGATCGCCG
 GCAACAGTTTCTTGCGAGCCAGATCGCCCGTGACGCCGAAGATCACGATCGAACATGGCCCCGGCGATGCG
 GGGAAAGCCTCAGATCTCGTGGGTGCGCAACGGATTGACCCAGGGCGAGTCCCCGGGAGTGTGCGTTGTG
 TGTTCAAGTCATAGTGTTCATAGTAATACCTGGGCGGGGAGCGGGGTCTCGCTGTTCAGCCCATCGCTA
 TACGCATGTGCTGCGCTATGCAAACGCATGGCGAATATGCATGCGGTTACGATGGCTGGCGTTTGTA
 ACCGCATTCTAGGAACGCTTATTGCGGCCGATTGCATTGCGTACAGTTGACGCGATATGGGCCAGAGGC
 GTATGGCCTCGTTGCGGCGAGGTGGCGCGAGCGGGCAGCTTGACAGATGATCGAATCGGGATCGGGCG
 TGCATGAACCGTTCCGCATCCCGAGTCTGCCGAGAGCGACACGAAGTCAAGCCGCCGCGCTCGCGTGC
 GAACACCGCGATCTGTTGATGAAATCGCGTGGCAGATTGCTCGCGCGCGCAACCTCGCCACTGACATA
 CCCGATTCAAGCGAGCGGATGGTGCCTTCTACCACACCGTCCGCTCGCCCGCTGTCGGTAGCTGGGTGTG
 CGGCCGTCCGACGGAACCGGTGCTCACCAGATGAACCTCAGCAACTGGAATGCGAGCACGGCGAGCACA
 TAGGCGATGATCAGACTCATGCCCACGGATTGCATCGCTATCTTCATATTGAAGTCCCGTCTCATCTCCG
 CCACCGTGGCCAGACATGGTGTGTACGCGAGCGTGAACACCAGGAACGCAATGGCCGCGGCCCTTGCCGTG
 CCTCCGGATGATTGTCGAACGACGAGCGCAGACGGGCGCCAAGCGAGCCTTCGCCCTGGTGTGCTCG
 TCCTCATCGCCGGTGTGCGATGCTGTACGATTGCGCCATGGACGCGACAACGACCTCCTTGGCCACGAAGC
 CTGTATCAAGGCGGCCGATGCATGCCAGTCGTGAAACCCGCGGGCTTGAACACAGGGGCCACGGTGTG
 GGCCACAACGCCATACACCGAATCATGCACGTCATCCACCGCAGCGAACGAGCCGCGCGTTCGCGGTGCGC
 GGAATGCTCTGCAGCAGCCACATGGCGATGAGCATGGTGATGATGATCGAGCTCGCGCCACGTACGAATC
 CCCACAGGCGCATGAGCACCGAGCGAATGAGCACGACGAGACGCGGCCACTGGTATGGCGGCAGACTCAT
 TGCGAAAGGCTCGGAGGTGAGGCTCGTGAACCTTCACTTGCGCAGCAGGATGCCACCAGCAGAATGAGC
 ACAATGGAGATCACATACATGAGGAACACCACAAGACCCGCTGCTCGCGGAAGAATGCATAGGCGAGCA
 CCATGTACACCGACAGTCTCGCGGTGACGCTTGAGAACGGCACAAGCATGCCACCATCACGCGTTGGCG
 CGAATCGGGTAGCGTACGGGTGCGGCGAGCGCCGGCAGATTGACGCCGAATCCGATGACGATCGGCAAG
 AAGGCGCGCCCGTCGAGATGCATGCAGCGCATCGCCCTGTCCATCACGAAGGCCGCGCGGGCGAGGTATC
 CGGAATCTTCGAGCAACGACAGGCAGATGAACATGATGCCATTGGTGGAATGAATGTGCCGATCGTGAC
 GATGCCGTGATGAGCCCGTCGACGACGAGTGAGTGGAACAGCCGTCTACGGTATGCGGCCCCGAATAGA
 TTGAACACCCAGTCCACGCCTGCGGTGAGCCATTGCGGCACAGTGCCGTCCACCCAATCCTGGGCAGGGC
 CGGCCAATACCGTGGTGGCTTGAACATCGCATACATGAGGGCGAGGAACACGATGACGCCAGGAACGG
 GTTGAGCAGCACGCGATCGATGCGATCGGAGACTGTACGCGGTGCGTGCCTGCATATTGAGCTGTGAA
 AGCACGTGTGCGGCCAGTGAATCGTGCGTGGCATTGCCCTCCACCAATTGTGGCACGTGATGTCAT
 GAGGGTCGACGGCGGTGAGTCCCGCCGGCAGCGGCGTGCCGGAGAAGTGAGTGCCGACCATATCCATGAG
 CTCACGCTTGCTTCAACCGGAACGGCGGTTCACTTCAATCACCGGGACGCCTCCAGTGTGTGTGAGAGC
 TCCTTCGGGTCTATGCCCGCTCCCTGTTTGCCTGCGAGGTGCTTCATGGTCAATGCGACCACGGTGGGCT
 TGCCGAGTTCGAGAACCATGGCGAGGAAATACAGCGAGCGCGAGAGGTTCTGTGGCGTCGAGCACGGTGAC
 AATAAGGTGGGATTCTTCTCCCCATCAACCCCATCACGGTGTGCGCCGCCACCTTCTATCGGGGGAG
 AGCGGAAGAAGGGAATAGGTGCCCGGTGTGTGATGAGATCCCATGTGTTGCCATCATGTGCATATTGCG
 CTTCCTCGAGCAGCACCGTAGTGCCCGGGGCGTTTCATCACACGGCTTTTGTGCCGAGAATCGCGTTGAA
 CAGCGAGGATTTGCCGACGTTGCGATTGCCAATGAACACGATGCGTCGGTGCGAGCCATTGCTGAGATG
 CGGTGACCGCCGGTGTGCGAGCATGGCTTGGTATGGCGGCTGCGATGCCCGTCTGTGTTGCGGGGCAGTA

TGGCGGCGAAGCCGCGTGAGTGCTGGGAATGTGATTGCTCATATCGGTCCAAACCTTGGAATCGT
 GGAATTCGAGATGGAATGGTACTCAATGCGCGGTCTGCGCGGTGGTTGTGGTGACATGGATGCTGCGT
 GCCGTGGACTCGTCGAGTGCAATGCGTTCCGTGCCCTTGCCACCACTCGCCCTCCGAAATTCGACTTCT
 GCACCACGCGTACAGTCACGCCGTGCGCAAGCCCAGCTCGAGCATGCGGAACCGATGGCGCTCATCGAG
 CGCGATGGCTCGGATCACCACGTGCGGTGTTGAGGGGGCAGGTCTCCAACGTGAGGGAGTGGGATGGCGAT
 GTTGAATCATGGTTTCAGGAAAGCGCGGAATGGTTCGCGAGTCAAGAGTTTTATGCAAAAACCAGGCA
 ATAATCTCAGATATTGGTCATGGACTGCTCAGTATTCGGTGTGAAAAGAGGTGGGGCGTGCTTTCGCGCG
 GCTCGCCCCACCTCGTATGAGGCCGCTCTTCAGTCCGTTGTCGGTGAGATGACGTTGCCGTCGGCATCCA
 CGTCACGGCAGGTCTGTCCGAGTTTTCGCGACATGGCGGCGATGTCGAGCAGTGAATCGAGTTCGGTGCG
 ATCGGCGTGGTGCGTTCGCCGGCCACTTCGCGCACCGATTGCCGGTGGCGACGGCTTCCTTGGCTATG
 CTCATCGCCTGCTCATACCCGATCTTCCATTACAGCGCGGCACAGATCGATGGCGACATCTCCGCGTCTC
 TCCGTCCCTGTTGACGTTGATTCTCAGTCCGTGACGCATTTCTGTCGGAACATGTCCATGGCGTTGAT
 GGCAATCGTCATCGCGGTGAGTATCTCGTGAATGATGAGCGGGTGAAGGCGTTGAGTTGGAGCTGGCCT
 TCCGCGCATGCCAGTTGACGGTCACATCCATGCCGAAGATCGTGAAGCAGCATTGGTCCACACACTCGG
 GAATCACCAGGATTGATCTTGCCGGGCATGATCGAGGAGCCTGCCTGCCGCGGAGGAACCGTGAGATCTCC
 GAATCCGCAACGCGGGCCGGAATTGAGCAGACGGAGGTCGTGCGCTGCCTTCTCAGGTGCACCGCAAGA
 TTCTTGAGCACGGCACTGGCTTCGATGTAGGAGCTGGTGTGCGGTGACGGCGGCCACGGGATCCGAGGCGG
 CGGTGATGGGCAGGTGCGTGATTTCGGCGAGCACGGTGGTGGCGGTGTGGCGGAAGCGAAGATCGGCACA
 GATGCCAGTGCCGATTGCCGTGGCCCCAAATTGAATACGCACAGCCGTTTCGCCAACGTATTCATGGCC
 TCCAAGTCGGTCGCCAGGAAGCTCGCCCAAGCGTGATCTCCTGACCGTAGGTGATGGGCACCGCATCCT
 GCAGTTGTGTGCGGCCGATCTTGATATCGTTGCTATGGCGGTCTGCCTGCATGTGGAATGCTTCACGAAG
 ACGCTGCGTGGCCTCGCGCAGGGGCTTGAGACCTTGAGAGGATGGCGAGCCTGCAGGCCGCCGGATAGGTG
 TCGTTGGTGGATTGACTGCGGTTACATCGTCGTTGGGATGAATGTACCCGTAGTCGCCACGGGGCTTTC
 CGGCCAGCTCAAGCGCGCGGTTGGCAATCACCTCGTTCATGTTGATGTTGAGGCTGGTGCCCGCTCCGCC
 CTGCAGCACGTCAACGGGAACTGGTCGGCAAGCGCGCCGTTCTCGATCTCCAGACAGGCCTGCTCTATG
 TGATGGGCCTTGCGAGCATCGAGCATGCCCAATTGGTAGTTTGCTATGGCGCAGGCACGTTTGACGGTGG
 CGTAGGCTCGGATGAGCGCAGTGTGGGAGCCGTGCGCGATGCCGGTGACCGTGAAGTTGCCCATGGCTCG
 TTGGGTGTGGATGCCCCAGTACACATCGGCGGGAATCTCCATTGTGCCTATGACGTCTGTCTCAACCGC
 GTTCTGACGCCTGTCTGGTCAATCCATGCTGTCTGCCTTTCTTTCCGCAAGCCCCGGCGGTCTGCGG
 TCCCGCATTCCCGGAGGCATTCCATGCTCCGGGTGACGCAACCATTGTAGGAGCGGTCCGCCGGACTGG
 CCCAGAGTAGTATTGCTTACAGCCAACTTGCCGGAATCACGGTGGAAGAGAGGTTCAATAGGGCTATGAG
 CAATTCGATTCCAATGAAACCATTCAGTTCACGTCTCGAAGCCCGTCTACGACTTCTATGTGGCGGGG
 CCATATGAGACGGCGGAACAGGTGGAGAGCATGGAGCGCCTTGAGAAGGTGCTCAACGACCGCGGCATGA
 GCGTGACCGTCCGCGTTTCGCCATGGACGTCAACGTCTCGGGCCACAGGCGGTCTTCGCCAATCGCAT
 CGCCGCAATCGCCAATCCCGGGCCGTGATCGCGAATATGGACGACAACGATGCAGGTGCCGTCTTCGCG
 CTCGCCTACGGGTATGCGCTTGTTAAGCCGGTGACGCCTATTGCGAGGGGATTCTGCCGAACGGTCGCA
 TCAGTCTGATGGTGGATCAGGCCGCCACGGCCGTGCTCGATGGCCCTGCCGATCTCGAGAGCCTGCTCGA
 TTCGGGGCCGTGTCAAGCCGCTGGACCTCGACCAGCACTGAGGGTGAAGGGGCGCGGTCTGTGGCCGGCCC
 CTTCATGTCCAATGTCCACTGAGCATACATCAGAATTCGAGTACCCCCGCGCCGATGTGATCGAGCACG
 CGCAGGCGGGCCATAGCGATCTCGATACACAGCTCATCGATTCTTCGAGGAGTTCGCCGTGTGCACTT
 GATCTACGGCGCGTATGGGCGTCGTTCCGGACTCTTGTTACGCGTGATCTCATTTTCGACTACATCCGT
 GAGAACGACGGTACGTACAGCGGGAGATTTGCGCCTATACGTTGTTGCCCCGCCAGACCGTGAACAATG
 TGTTCATTCGTTGTGCGACAAGGATTACTCCGATTGCAGGGCAGCAAACACGACAAGCGCATCAAGCG
 AATCCACCTCACCGAAGAGGGGGAGCGTTACCGGGAGCGCATGATTGCACCGTTGCGTCAGGCTGAAGTG
 CGTGCGATGCCTACACTCGAACCCGAGAACGTCGTGCAATGATCACCTATGTCGACAGGTTTCATGAACG
 CATTGGAACAGCAAATCGACGGCATTGACGCCTGACATGAAGCATTGTGGTGCCAGTGTCTGTTTCGT
 CCACGCCGGTAGAGTGTGGTGTGCGGGAGGCGTGCCTCCACGAAAAGTGTTTATGCGTCTGTTGCCAT

ATATTCCGTTTATTGTGCCGGAGCTCGCGATTGGACGGGTGCCGATGGATGATTTGACTATCTCCGGATT
 CCGTGTGCGATTACAGACAGCTTGGTGCCTCATATGTGAATCGGATTCCCGCATTGCGCTCGCTCGACGAA
 CTGGAGTTCGGTTCACCCGTCGTGCTGCTGACCTGAGAGAACGGGAGCGACAAATCGACGCTGCTGGAGG
 CGATCGCGGTGGTATGCGGCTTCAGCGCGGAGGGTGGTTCGCGCAACTATCGTTTCAGCACTTATGATGA
 CTGTTCCGGATCTGGCCGATGCGCTTATTCTCTACCGCAAACGAGCGATTCCGCCATCCAGTTTCTTCCTG
 CGCGCCGAGAGCTTCTTCACGATGGCCACGCAGGCGCGTGATTACGATCGAGGTCGACGCGCGATGTCTG
 CATTGCACGAGATGTCGCATGGCGAAGGCTTCTCGAGATCATGCTGTACGCAATGCGCCCGGCCTCTA
 TCTCATGGATGAGCCCGAGTCCGCATTGTCCGCCGGCCGCGAGCTGGCACTTCTGGCGCATATGCATCGG
 TTGGCGGAACAGGGCGCGCAGTTCATCGTCGCCACCCATTGCGCGATACTGCTCGGACTGCCAGGGGCGC
 AGATCCTTCAATTGATGACGATGGCGTTCGTCCGTGTGACTACGAGGACACCGATGCCTACCGCATCAC
 CGCATCGTTCATCAATCATAGGGATGTGCTCTTGCCTCATCTGTTTACGGATGAGGAACGGTGACATCGC
 TGCCGGTAACCTGTGCTGCCGTGGTTCCTCGGCTGATCTTCGACGCCGGGTGTGGGCGCCTTGTGAAGAG
 AATATGTCGATTGTCCACTCGGGGACGATAGGGGATAGTCTATTAATGTCTCAATATGGGACAATATTT
 CAGACCTCGTCAATGACGCCGTTTTCTACCTATTCTGAGGAATTATGAGACTCATACTGCGTTTCATGT
 AACCACGCGCTGGCTGTTGGCGCTGACCCACGTGCTGATGGCCGCCGATGTCGTGCGCGCTTTGCTGGT
 GCCGACCCTGGCAGCGCGGCTGCTCGACAAAGGCACCGCCGCGATGTATTCCACGCGATGACCGTCACC
 GCGCTGCAGATGATCGCCGCGTGCCTCGATATGTCCGTCTTCGACTTCCGCCAGCTCGGTACCGCATCGA
 TGGTCACGCGCACGATGAGCGATGTCGTGAACATTCAGGTGGCCATCACGGACGTCATCATGATGCT
 GCCGGTGCCGTTTCATCTTCGTGCTTGCCTTACGTTTCGCGTTCACTCTCGACACGGTGCTCGACAACGAA
 GCGAACAATCTGTCGGTGGGGCAGCGGCAGCTGCTCACGATTGCGCGTGTATTCTCGCAGACCCGGCGT
 GCTCATTTTCGATGAGGCGACAAGCTCGGTGGACACCCGCACGGAGCAGGCGATTGCAAAGGCGATGGAC
 GCGCTGATGGCGAACCAGGACGAGTTTCGTTCATCGCTCACCGACTGTCCGCAATCCGAGACGCCGACCTCA
 TTCTGTACATGAAGCATGGCGACATTCTTGAACATGGCACCCACGAGCAGTTGCTCGCGAAAGACGGGGC
 ATATGCGAATCTGTGCAATTCGAGTTCGCGTGATGCTCGCGTTGCCGAAACGTCGGACGGAGATGGTC
 TCTGCGACATCAGCGGCATCGGAACCGGCGCCGGGCGTGGCATAACAACGACGCCGAGGAGGCGCGAATCA
 TTCGTGACGGGAACGATTGCCTGCCGGCATTGCGCCGAAGATGGTATGGACGTGGAAGAAGGCGGTGGC
 GTGGGCGCTTGTGCCATTGTCTGCGCGGTGCGCTGGACGGTCTGGCGGTGGCGCGCGGCGAACAGATC
 AGCGCCATCTGGTTCATCGTCGTGGCGCTGTGCTCGTATGCCATCGCCTACCGTTTCTATGCGTATTGCA
 TCCAGATCAAGATCATGCGCACCGACGACGCGAACGCCACACCTGCGGAGCGCGTGATGACGGTGCGAA
 CTTGAGCGGGCGGACCGTCGTGTGCTCTTCGGACAGCATTTTGGCGGATCTCCGGAGCTGGACCTCTT
 GTCGGACCGATTCTGGCGGCGCAGATGGGCTACCTGCCAAGCGTCCTGTGGATCATCCTCGGCGTGATCT
 TCGCCGGCGCCGTGCAAGACATGCTCATGCTGTGGATCTCGGCGAAACGACAGGGCCGTTCTTTCGCCCA
 GATGGCCACTGATGAGATGGGCAAGTTCGGTGGCATCATCATCTCGCTGTTCTCTGTCGTGGTACCGCC
 ATTGCGATGGCGTTCTCGCGCTCGTCGCCATCAAGGCCATGGCAAGCTCGCCGTGGGCCGTGTTCTCCC
 TGGGCATGACGATCCCAATCGCGCTGGTCATGGGCTGCTATGAGCGCTTCTTGGCGCCGGGCAAGGTGAT
 CGAGACCACCATCCTCGTTTTGTGCTGCTGGTGCTCGCCATTGTGCGCGGTGGCTGGGTGCTTTCGAAC
 CCGACGCTCGCACCCATCTTCACGCTCAACGCCAAGCAGCTCGTCGTCGCGCTATTGTCTACTCGTTCG
 CGGCCGACGCTTGCAGCACTGGCTGCTGGTGACCCCGCGCGACTACCTGTCCACATTGATGAAGATCGG
 CACATTGGCGCTGCTCGTCGTGCGCATCGCGTTTCGAATCCGCAGGTGAGCATGCCGGGGATCAGCATG
 CTGGCCAGCCAATCGAACGGCCCCGACCTTCTCCGGCAACCTTCTCCGTTCTGTTTCATCACCATCGCCT
 GTGGGGCGCTCTCGGGCTTCCATGGCGCGGTTTCTCGGGTCTCACGCCGAAGGCCGTGGAGAAGGAGAG
 CCAGCTTCGATGATCGGCTACGGCTCCATGCTCGTCGAGTCGTTACCGCCATCATCGCGCTCATTGCT
 GCCATCACAATCAGCCAAGGCGTCTATTTCTCGCTGAACATGAGCGCGCCCCAGATCGAGGCGACCGCTG
 GTTCGGCATACTCCGTTCCGCTTCCCCGAACAGAACGCGGTGGCTGCCGTTGGCAACATGAACGTCAA
 GGACATCGAAGGCAACCAGATGAAGGTGACGTGGCAGTCCACGGCACCGTACGAGGGCGCGGAGGCA
 TTGACCCAGGCCGCGCATGATGTGGGCGAGGAGAGCATCGTCTCGCGTACCGGCGGTGCCACCACCTTCG
 CCATTGGCATGGCCAACCTCCTCAAGTCATACATGGGCGGTGAGGATTGATGGCGTTCTGGTACCACTT

CGCCATCATGTTGAGGCCCTGTTCAATTCTCACCACCGTCGACAACGGCACACGTGTGGCCCGATACCAG
 ATCGGCGACCTGCTGGGCAATGTACGCAAGCTGCGGAAGTTCTCCGACCCACGTGGAAGCCCGCAACC
 TCATCACCACGTTTCATCGCCACAGCGGCTTGGGGATCCATGCTGTACATGGGCGTCTCCGACGCGAATGG
 CGGCATCAACGCGATGGTCCCCTGATCTTCGGCATTTCGAACCAGCTGCTCGCAGCCGGCTGCCTGATGTTG
 GTGACCGTATGCGTGTTCAGAAGGGGCTGCATCGGTATGCCTGGATCCCGATCGTGCCGTTGGTGTGGG
 ATGTCGAGTGACATTACCGCAGACTTCCAGAAGATTTTCGATTCCAAGCTCGGCTATTTTGCCGCCGC
 CGAAAATACCGCGAACAGATCGCCTCGGGGACCCTCGAGGGTGAGGCATTGGCGAACGCGCGTGCGTCG
 CTGTCGAACGCCTACCTCGATGGAGCGCTTCCGTGTTCTTCTCATGATGGCCACGTTCTTGCTCG
 TCGGCGTCGTGTCGATCGTGAATACGGTGCGGGCCAAGGAGTATGGTACCGACATGTCCACCGAGGAACC
 GTTCGTGCAATCCGCATGGTTCGCCCCCTCCGGGCTGCTCGCCACGAATCTGAAAAACGTGTGGCCCGC
 GAATATGCGGTGCGCACGGGTGCGTTGCCGTCTAAGAGGTCTGTGGAGCCCGATGACTCCGATGACGAGG
 TCGCGCTCGGCCTCCAACCACAGCTGGCATGAGGTGCATATGGCAATGCATATATCCCGATGGTTCCGCA
 GGATGGCCAGGATGGCAGATCTGACGCGCCGCGTATGGCGTGCATCGTCTGGTATCTGCGGGAGGTGAG
 CGGCGAGGCGAGATACGGCCGTTATGTCGAGCATCTGCGCGCCGAGCATCCAGGTCGCGCGCCGATGAGC
 GTGCGTGAGTTCAACGATGCACGTGACGAGTATGAGCGCCTGCATCCACCGGCTGCTGCTGCTGAAACG
 ACCAATATCCGAGCGGGTGCGCCCCATAGGGCACACCCGCTTCTGTTACGGTTTCACTGCACCAAGCC
 GAGCTCTATTTTCAGTCTCACCACGCGTTTCGGCACTCGAGTGACCTTGGCGGCAAAACCTTGTCCGCG
 GCAGCGCGGCTGCGTATGCCGTCCAGAATTGGCTGCGTATAGCTTGGCGGTTTCATGCAGCAGATGTCCC
 CTCCCGCATCAATGAACCGCACGCCAGATCCTGTGGAGCAATCGAGCTCACGGCACCGGCCGAGAGGGA
 ATCCGAGATCACCACGCCGTGCAACGGGGTACCTCTGCGCAGCATGTCGGTGACGATGGCGGGGGAGAAG
 GCTGCAGGATTGTCGGGGTCGATGAGTTTGTAGGTGGCCAGCGACACCATCACCATGGCGGGTTTGCCT
 GCCGGATCGCAGAGGTGAATGCATTCACTCCGTGCCGTTCTCGGTTGTCGTGTCGTCGACAATGCCGTT
 TGCCGTGAAATCGGTGTTGCCCTCACCATCCCAATCCCGGTAATGCTTGATGGCACTGCCACACCG
 CCGGCGCGCATGCCTTCGATGAAAGCTGCAGCATGCTCGCCATTGCGCTGGGCATCGAGTCCGAAATCAC
 GGTAGAGCGCGCCGATCGGTTCAATTGACGGCACGTTTCGATCGTCACCGTGTCCACCGAAGGAGCCAGATT
 CATGGCGAGACCGGACCGTTTGAGGGGGAGGGCCCAATCCCGCGCGGCTGCGCGCAGCCGGTCGAGTGGC
 ATCTGACCCTGAGCCGTGGCGCTGGGCATGGCATCGAATCCCGGTCCCGAAAGATGCTGGACCGTGCCGC
 CCTCCTGATCGGTGGCGATGAGCAATCCTGGCAATCCGGTGGAGGCGTTCAACCTCTGCAGTGCTGTGT
 GGCACGCGCCACGTTCTCGACGCCGCTCACCCAGTTGCCCATCAGGATCACGTTCCCCACATGCTGCTCC
 TGAATCATCGCTTGCAAGGTGGCAGGGTCATTGCCGTATTGCAATGCGGCCATCACCATTGCCGGCGC
 GTTCGTGAGGCTCATCGCCTACAATGCGTTTGGCCGATCCGAGGTGCCATCCGTCTTGGGGGTGGG
 CGAAGGCGACGCTGTCTGCGGCATGGAAATGGTCGTGCTGGGGGCTGGCGATGATGTGCGGCTGGGAACC
 GATGTGCGGGGCGGCTTTGCCATTCTGTCGTGTCGGAATCGGTAGCATGGCGAACCGGTGCGAATGCCCAA
 TCGCAATGGCGACGATTGCCAATGTCACGATGACGGTCGTGACAATCCGGACCATGCGCCTGTTCCGGTT
 CGGCTGTGGCTTGTGCTTGTGCTGGATCATGGGTCTCGGTTTCTGCGATGGCTGCTGTCATTGTACAGT
 TCGCGGGCACAGATTGCCGCCGTGGGGCGCCGATGCCACGCTGAGGAGCGTGCTACGCGCGAAGCGCG
 CAGACACCTTGACGAAGCGTGGCATCCGGCGCCCCACCGCGGCACCCGGAGAGCCTACGCCTGTCAGGG
 GGAAGGATCTGGAATAACATAGGCAAACGTGTAGGTACAGAAGAGAAACCAAGCACTTCTCCAACGCC
 TTGGTCGGGGAGAGGTTCAATTGGTAGAATGGCCGAATGTCTTTCTCGATCCATTCTCGGTGCCGGGCA
 TGGCACCCGGCGATCACAATCGCAATCGAATGACGACGATCCGATCGTCATCAACATCGAGACCGACGGC
 GAGCCCCCGCATTCGAATGCTGCAGGCGGCAACGGCACGCCCCGCTCTCCGCGCATCACTCGCAAGCCGG
 CGAAACCCCATGGCAACCACGGGCGCCGGGTGGCCATTGCCGTGTCGTGGCCATTGCCGTATAGTGGC
 GTTGTCTTCGCGGTCTCGTCATTGCGCAGCAGACGTGTCGTTTTCGAGCTCGGCTTCCAGAGCGTT
 GTCTGGACGTTGCTCGGCACCCGTGTGGGCCTATGGGTGTTCTATGCGGCCCTCATGGTGCTGTCAGTT
 ACATTGCCGCCACTCTGGCCATTCTGTGCACGTCCCGATTTCCGCCGATGGCTCCACAATCCGCATCAACGG
 TGACACCATCGAGATCGGCAAGAGCGTGAGCTCGCGCACTGCTCGCCGCGTGGCGGTGGTCATCTCGCTG
 ATCGCGGGCATCATTTTCGTTCCAAGGTCAATGCGAACTGGACCGAGATTCTGCTCATGTTCCACAACC

AGAGCTTCGGCTCTGTGATCCTCAGTTCGGCTTGACAAACGGTTTCTACGTATTCTGTGCTGCCGGGACT
 GCGCATGCTCGTCTCCGCGTTCACACTGCTCATGTTCTGTGGCGCTGGTGTTCAGCGTGCCACGCATGTC
 GCCATGGGCGGCATCCGCTTACGATGCCGGTGCATGGCCACGGTTTGTTCGCCATCACGAAGCGTGCCC
 GTCGCCAGATCGGCATCTGGCTGGTGTGTGGATGCTGTCTGGGCAGTGAGCCAAGGGCTCTCGGTCTT
 TTCATCGCTCACCGCACAGGGCGATCGATTACCGGCGCCAATTACACGGCGGTGAATGCGGGCATCCCC
 GTCACCGTCATCATGGCGGTGCTCACGGCCGTCCTCGGCGTGGTGTGTGTGTGGCTCATGACCACCC
 ATGTATTCGACGACGCCGTATCGCGTCCACGGCGAATGCAGCCGCCGCATGGCGTGAATGGCGCGTGCC
 CACCATCGCCGTGGCGTCCACGCTCGTCTGGCATACTGCTGTCCACGCTATGGCCGATGCTGCTCCAG
 CGGTTCCGCGTGAATCCGAATGCACAGGAGATGGAATCGGCATACATTACAGCGCAACATCGATGCGACCC
 GTGCTGCCTATGGGCTGGATGCAGTGAAGACCGACGAGTACAAGGCCACCACGAAGGCGCAGGCGGGTGC
 CCTGCAGAAGGACGCGGAGACCACGGCGCAGATCCGACTGCTCGACCCGCAGATCGTCTCGCCTACATTC
 AAGCAGCTTCAGCAGATGAAGCAGTACTATACGTTCCGCCACACGCTGGCGGTGACAAAATATGACATCG
 ATGGCGTCAATCAGGACACGGTGATCGCGGCCCGGGAGATCAACCTCGAGGGCAACGACAACCGCAATTG
 GGTGAACGACCACACCGTGTACACGCATGGCTATGGCATCGTGGCCGCTACGGCAACAAAGTGACCAGC
 GACGGGCAGCCGAGTTCTTGAATACGGCATTCCGACACAGGGGTATCTACCGACACCCAGCACTACG
 AACC CGCATCTACTTCTCGCCGGAAGCACCCGAGTATTCGATCGTGGCGCGCCACAGGGCACGAAGTC
 CTGGGAATTCGACTATCCGACGGTTCCGAGGGAGCCACCACCTTCAATGGCAATGGTGGCCCGCGC
 ATCGGCAACATCTTCTCCAGGCTCATCTATTGATCAAGTTCGGTTCGACCAGATCCTGTTCTCCGACC
 GTGTGAACGCGGATTCCCAGATTCTCTACGATCGTTCGCCAAGGAACGTGTCGCCAAGGTGCGCGCGTA
 CCTCACCTTGACGGACGAGTGTATCCGGCGGTGGTGGACGGCCGGTCAAATGGATTGTGGATGGCTAT
 ACCACCTCGAGCAACTACCCGTATTTCGAGAAGACGGACCTTGCCGAGGCGACGCAGGACTCCACCACCA
 TCTCCTCCCAGACGGTGCAGGGCCTGACGGACAAGGAAGTCAACTACATGCGCAATTCGGTGAAGGCCAC
 CGTCGACGCCTACGACGGTTCGGTGGACCTCTACACCTGGGATGACTCCGATCCGGTGTCTAAGGCGTGG
 CAGAGCATCTCCCGGGCCAATACCACCGATGAGTGAGATCTCCGGCGACCTCATGGCGCATATGCGCT
 ATCCGGAGGGCATGTTCAAGGTGCAGCGTCAGTGCTGGCCAAATACCATGTGACCTCGGCCTCGCAGTT
 CTTCTCGGGCGAGGACTTCTGGCAGACCCCGTCTGATCCGACCGAATCGAAGAGCGAGCAGTCCGCGAT
 GTGCTGCAGCCGCGTATTACCTCACTTTGACAGCCGGTGGTTCGACGAACCGGTGTTCTCGCTCACCT
 CCACCTATATTCCGGCGGGTTCGAGCACCCGTGAGATTCTACCGGGTTCCTGTGCGGTGGACTCGGACGC
 CGGCCGCACCAAGGGCGTCAAGGGCCCGATTATGGCACGATACGCCTGCAGGAGCTGCCGAAGGATTCC
 AATGTGCCTGGACCTGGGACGGCGCAGAACAACTTCAATGCGAACGCCGATGTGTGCAAGGAGCTCAACC
 TGCTCGAATCCGGCTCGACGCAAGTGGAACGCGGCAATCTGCTCACGTTGCCGCTGGGCGGTGGCCTGGT
 CTACGTGGAGCCGGTGTACGTGAAGTCTCCGGCGCAACCAGCTACCCGTTGCTCAAGAAAGTGCTCGTC
 GCCTTCGAGACAGGTGCGTTTCGCCAATACGCTCAACGAGGCGTTGAACCAGGTGTTGATGGCAATT
 CGGGTGTCTAGGCCGGCGATGGCGGGAATCAGGGGAGTGGCGGGAATCCGTCCGATTCCGGTGCAGGCCG
 CGACAATGCGGACGGGTGCGGCTCCACAGCGAATACAAATCGGAATCCTGAGCTTTCGAGGCTCTGCAG
 GATGCCGGAAGGCCATGAAAGACGCCGACTCCGCAATGAAGAAGGGTGACTGGAGTGGCTATGGAGAGG
 CGCAGAAGCGTCTCGAAGAGGCACTCGACAAGGCGATGGCACTCGACAAGTGACATGATGCCAATCCCAT
 GCCCATGCGTGAGGGGCGCGGTCTGTGGCCGCGCCCTCACGCATGGGCAGGATGTGCGCGGTCTGCTG
 TGCCGATATGCTGGAACCATGCAGCAATTCAGATATCGCCTTGCCACGGTGGATGACGTTGCGGTCTATCA
 CCGACATCTATAACGAAGCGGTGATGGCCGGAGGGTCCACGGCCGATACGGTGCCGGTCACTATGAGGC
 GCGTCGGCGATGGATTGAGTCCACGTCGATCCATATGCGGTGTTCTGTGTTGAGACGATTGCCGGCGAC
 GGTGAGGCCGAGGAGGTGGGATTCCGCGCCATATCGGTGTTCTACGACCGTCCGGGTACGACGGCGTAT
 GCGATCTGGCATATTATGTGACCGCACGATGGCAGCGCAGGGGAGTCGGCAGATTGCGACTGCGCACGCT
 GCTGAACGAATGTGCGCGCGTGCATGCGCAAGGCCTGCGCCATCATCTTCTCCGACAATACTGCGTCG
 AACGCGCTCGTGGAGTCTTCCGGCTTGAGCCATTGGTGAAATGCCCGAAGCTGCGTATGATTCCAGAG
 GAGTGCTGCACGACATGAGCTATTGGTGCCTCGATCTGACCCCGTTGGACGCCAAGGGCGCAGTAGAGGG
 CATCGCGCGCGGTGACGGCAACGAGGACTCAAGAGGATACCGGAGGATAGGAGAGCACATGGCAAGCGA

ATTCTGGCTGATTGTGGGATTGGGCAACCCGGGGGCGAAATACCGCAACACCCGGGCACAACATGGGATTC
 ATGACGGTCAACGAGTTGGCGAAGCGCTGGAGCATCCATTTGCCAACCAAGGGACTTGCCGATCTGG
 GCAAAGGCACGATGAGTCTCAACGGCCAGACGGCGAAAGTGTTCTGTGCAAGCCATTGACCTATATGAA
 CGATTCGGGGCAGGCCGTGCAGTCAATCCGTGAGTACTACCACATCAATCTCGACCACATCGTGGTGATT
 CACGACGACATGGACCTCGAATTCGGCCGTATCAAATTGAAGTCCGGTGGCTCGGCCGGGGGCCACAATG
 GCATCAAGTCAATCGACCGTTGCCTGCATTCCCCTGATTATGCGCGTGTGCGCATGGGTGTTGGGCATGC
 CAGCCGATCCGGCGACGCCCACGACAACACGATCAACTGGGTGCTCGGCGAATTCAATGCCGCACAGCGC
 AAGCAACTTCCCGAGTTCCTTGCCGACGGTGCAGATGCCGCGGAGACGATCGTATTGGAAGGCCTCACGA
 AAGCTCAGGATAAATTCAATGCCCGATGACAAGGCAAGGCACAGCAATGCGAACCGATCGGCGGAGGAGA
 CCTACAACGAGCTGATGAACGGTTCGCTCCTCTCCCTCAGGCAGCGTCTTTTGGAGGATCAGGCATTTCG
 CGGTTTGGTGGAAGGCCATGTGGATGCGGGCGAGGACGCCGACCCGAGCATCCTCGTCGGAGCTCCCAAC
 GGCATTTCGTCCAGCACTGGCCGCCGAGTGCGGACCGTAAGCCAGTGGTCATCGTCGTCCCCTCCGGTC
 GCGAGGCGGAGGATCTCGTCGGCGATCTGCGATCGTGGTATGACGGCGATCCGAATGAGGTGGCACAGCT
 GATGGCATGGGAGACGCTGCCCCACGAGAGGCTTAGCCACGCGCCGACACGGTGGCGAACCGCATGGAG
 ACGTTCTACCGGTTGTGCCACCCGCACTCCGACAGCGAGATGTTGCGCCCGATACGCATTCTGGTCATGC
 CGGTGCGTTCGCTCATCCAGCCGGTGGTGGCTGGCATAGGTGACGTGAAGCCGCTGTTTTCGCGCAAGG
 TGAGGAAATCACCTTGAAGATGCCGTGCAGGGCCTCGTCCGCAATTCCTATACGCGCGTCGATCTGGTG
 ATGGACCGTGGCGAGTTCGCGGTGCGTGGCGGCATCATCGACGTGTTTGTCCACCGAACCGCATCCGG
 TGCGCATCGAGTTCTCGGTGACGAGATCGACACGATCCGCCGCTTCATTCTCCGACCGAGCGCACCTA
 TGGTGAACCGATCAGGTGCGGTGTGGGCCACACCATGCCGTGAGCTGCAACTGACCGAGGGCATAACGAGAG
 CGTGCGCAATCGTTGATCGGGCAGATTCCGAATGCCGACGATCTTCTGGAATCGATAGCCAACGCAATCC
 CGCAGGAGGGCATGGAGTCTCTCATCCCGGCATTGGTGGACGACCTCGAACCAGTTTCGAGCATGCTGCC
 GAGGGATTGCATCGTAATGCTGTTGACCCGGAACGGCTGCGTCGTGCAAGTGGATGACCTGATGAAGACG
 GCGAACGAGTTCCTCGCCACCAGCTGGCATGTGGCCGCATCGGGACATGGCGCGGGTGCGCCGATCTCCT
 TCGAAGCCGCGAACTTCCTTGATCTTGATGAGGTGGTGGGCCAGCTCACCTACTCTAACCATGAGCTATG
 GAAGGTGAGCGGGTCACTGTGGACCACTACTACCGGGGCAGTGCAGATCGATGCGGTGGCGCCACAG
 GATCTCCACGGCAGTGGCGAGAAGGCCGAAGACCATCTCGGCGAGCTATTGCAAGGATTACGCGGTG
 TTATCACAGCCGCGGCACAGGGCACGCTGAGCCGCTCAAGCGCATGCTCAATGAGATCGGCGTCTGTGCA
 TTTCGACACGATTCTGTCGAGGCGCAAGACGGTTTTATCGACCACGCGTCAAGACCGCGTTGCTCACC
 GAGCGCGACCTCACCGCCGACCAAGTGTGCGCGCAGGGGTCAAGACGGCACGGAACGACGCAATCCA
 TTGATCTTATGGAATTGAAACCGGGCGATTTCGTGGTGCACGAACAGCACGGCATCGGTGCGTTTCATCGA
 GATGCGCCAACGCACAACCGGCTCGGGCAAGAACCAGGCCACCCGCGAGTACTTGGTCATCGAATACGCG
 CCGAGCAAGCGCAATGCGCCGCCGACAAAGCTGTTATACCCACCGACCGAGCTCGATCAGGTGAGCAAGT
 ACATCGGTGCTGAGATTCCCAAGCTCAACAAGCTCGGCGGGTGGATTGGGCGCAGACCAAGGCGAAGGC
 GAAGAAGCATGTGCATGAGATCGCGCAGAACCTCATTCGCTGTATTCCGCGCGTCAACGTGCCAAGGGA
 TTCGCGTTCAGCAAGGACACCCCGTGGCAGAAGGAGCTCGAGGACGCCTTCCCATACAGGAGACGGCGG
 ACCAGCTCACACGATCGACGACGTCAAGGCCGATATGGAGAAACCGATTCCCATGGACCGTCTCATCTG
 CGGAGACGTAGGCTTCGGCAAGACCGAGATCGCGATCCGCGCCGCGTTCAAGGCGGTGCAGGATTCCAAG
 CAGGTGGCTGTGCTCGTGCCGACGACCTGCTCGTGACGAGCATCTGCAGACCTTACCGAACGTTTTG
 AGGGCTTCCCGGTGAATGTACGCGCCATGAGCCGATTCCAAAGCACGAAGGAGATCAATGAGACGATCAA
 GGGTCTTGCCGACGGCACCGTCGATGTGGTGATAGGCACCCATAAGCTGCTGAATCCGAAGATCAAGTTC
 AAGGACCTGGGCCTTGATCATCGACGAGGAGCAGCGTTTTGGTGTGAGGCGAAGGAGACGCTCAAGG
 CCGTACGTACGAATGTGATGTACTGAGCCTGTCGGCCACGCCGATTCCACGCACGTTGGAGATGGCTGT
 CACGGGCATTTCGAGATGTCCACGCTGGCGACTCCGCCGAGGACCGCTGCCCGTGCTACCTATGTG
 GGCGCCTATGAGGACGCGCAGGTACCGCGGCGATTGACGTGAAGTGTGCGCGGCGGTGAGGTGTTCT
 ACATCCACAACCGTGTGAGGGCATAGAGGAGAAGGCCAAGCGTCTGCAGGACCTCGTTCCCGAAGCCCG
 GATAGGCATTGCCCATGGCAAGATGGGACGTAAGCAGCTCGACCAGATCATCCGCGATTCTGGCATCGT

GACATCGATGTGCTGCTGTGCACGACGATTGTGCGAGACGGGTCTGGATATCTCGAATGCGAACACGCTGA
 TTGTGGATCGTGCCGACCGATTCCGCCCTCTCCAATTGCACCAGCTCCGTGGACGTGTCGGCCGAGGCCG
 TGATCGTGCCTATGCCTATTTCTGTACGATCCGAGCAAGCCGATGACCGAGCAGTCCCACGAACGCCTG
 GTCACCATTGCGCAGAACACCGCATTGGGGTCCGGCTTCGACGTGGCCATGAAGGATCTCGAGTTGCGCG
 GCACCGGCAACCTGCTGGGCGATGAGCAGAGCGGACACATCGAAGGCGTGGGCTTCGACCTCTATGTGCG
 TATGGTGAGCGAGGCGATCGAGGATTACAAGGATCCGGAACGCACGGAACCGGTTGCGGTACCATCGAC
 CTGCCGATCGAGGCATCGATACCCGTGGACTACATCGGTTCCGACAAGCTGCGGCTGGAGGTCTACCGCA
 AACTGGCCGGTGCCCGCAGCGAGAAGGATCTGAACGAGTTGCGCGACGAACTGACCGACCGCTACGGCAA
 GCCGCCAAAGGTGTTCAATCATTGTTGACGTGGCGCGTCTTCGTGAAAAGGCACGCGCGCTTGGCATC
 AGCGAGATCATCGGCCAGGGCAGGAAGCTGCGCATCTCGAAGATCGACCCTGCCGAATCGGTGCAGCTGC
 GCATCTCGCGCATCTACCCAGGTGCCCAATACCGGCCCATGTTGAACGCGTACACCATACCCACGCCGTT
 CGAAGGTTGATGGGTTCCGGTCCGATGGAATCGGATGAGGTGCTGCGTTGGACCGAGCAGCTCCTCGAC
 GATCTAGCGTGGTCTGCAAAGCCTGTGAAGTAGCGGCGGAAGGGTTTGATGGGTGGGGCCTGAGCGGGG
 CGTCGTTTCGTGAGGTGTCTGCATGGCGGGGCTTCGCTACGCCGCGCAGCAGCTCCTCAACGGCGCCTC
 GCTCAGGCCCCACCATCCAAACCATCGAATCTCTCCGACACACGCGCACGCACAGACGGTGTTATTC
 GTGAAGCGCGTCTGTCAGTCGACGTTCTAATGCGGCGAAATCAGAAGGCCGGTTGTCTGTGTCCACTTCG
 GTGCGATCGATACGGAGTTCCTCGCGGATTGTGCCGTTTCGAGCAGCAGCAGCATCCGACAGACGCA
 GGGCCTCGCCGATGTCATGTGTGACCATGATGGTGGCGAACCCGTGTTGTTCCGCAATCTGAGCAACAA
 ATCTGTCATGTCCCAACGGGTGAGGGCATCCAAAGCCCCGAATGGCTCATCGAGCAGCAGCAGGTTCCGGC
 TGACGAACTAATGCGCGGGCGAGCGAGACCCGTTGCATCTGACCGCCGAAAGCGTGTGGGGCAGCACAT
 CAGCCATGTCCGGCAACTGCACGTGCCGCAACGCGAGCAGGGCCGCCTCCTTGCGGAACTTGCGCCTGGT
 GTCAATCCCCAATGTGATGTTGTCCCATACCTTGAGCCAGGGCAGGACGCGGCATCCTGAAAGCCGAAG
 GCGTACTCGCCGAAACATCGATGCGCCCCGAATCCGGCGGAACCAGCCCGGCGATCATGCGCAACAACG
 TTGATTGCCGCATCCCGAGCGTCCGATGAGCGACACGAATTCGCCTTGCGGAATCGTGAGGGTCACATT
 GCGAAGCACGGGGCGCCCGTGAACATCTTGACGCCGAGTCCATGTTCACTGTTGTTGCCATGGAAACA
 CTCCTTTTCAATTGCAACAACCTGCATATGCCGGAGGCTGTGGGGGAGCCGGCCGGGAAGCATTGCTGA
 GGAGCGTGCTGCCGACGCGAGCGGAGCCGCGCCATGCAGACACCTCGACGAAGCAAGGCTTCCCGGCCGGC
 TCCCCACAACCTCCGATGAGGCAATCAGGCCGAGCAATCCATTGACGCCGCTGCAAGTCCGGCATTGC
 GTCAATGAATCCGAAATCGACATACTCCTGCGCCTGGGATTCCAGCATCTTCAATCCCTCTGCATCAATC
 GGCTTGATCACCGGCACATTGAACCTTGCGATCTGTTGCGTCACGTCATCGGATGCGCCGAATTCGGGT
 ATGCGTCGGTGATGATCGACGGCGTGGCCTGCGCCACGTCGGATTCCCTGACGAGCGCCCGATACATCGC
 TTTCACCGCTTCGGGTGCTTGGTGGCGAAATCCTTCGACACCATATGAATCGAGACGTTCTTATTCGG
 TATTCGTTGCGTTCACGAGCAGTTTCGCGCCCGGGTTCGCCATTGCGGCGGCCAGATTCTGGTGAAGG
 AACTCAATGCGTCGATCTGTCCCGAAGTGAAGCCGCCTGGAATTTGGAGGGGCTCATCTCGACGATGTT
 CACCCTGCCTACATCGAGTCCGTCATGCTCGAATGCCTTGTCAGCACGTAATCGCCGGTGCCGCCGCGT
 TTTATGATCGCAACGTTCTGCGTAGAGGTCTTCAAGTGAGTTACCCCCAGATTCGGCGAGGCCACGA
 TTCCTTGCGAATCACCGGTGTAATACTCGATCGCGAAGGCCACCCACGTTGGCCTTGCGCCACGAAGTT
 GATGTACGAGCCGGTGCCGGTGCTCGTGGCATCGGCATTGCCCCGACAGCACTGCTGAGTATGCATCCGTC
 GGGTTGTATGGGCCGGTGAATTTGACGTTGGTGTGCTGCATCGTCTCGTCAAGAAAGTCTTCGCCGCGTA
 CGGTGGTCAGGTAATTCGCGGTGCACAGATAGGCCACGCGCATGGTCTGGAGGAATCCGCGGCATTTCGG
 TTCGCCGAGGCCGAGCATGACAGTGAGAGCAACGCTGCGCATGCGGCGGACGTGAATCTGAGCATGGTG
 GATCGTGACATGATTCTCCTTGTGGGTGCATATGGGTGTACCCATATGTCTCATGGGATTGGTCATTG
 TAAGGGTGAACCTGATTGCCGCTATATGGAGTATCAGTGTGCGCATGGAACGACGAGCCGTTCCAATGCA
 CCCACCAGCCATTGCTGAACAGCCCCAGGAATGCATAGAGCACAATGCACAGCACCATCTGGTCGGTCC
 GGTAGAACTGCTGGGAACGCGAGAGAATGTAGCCGATGCCTGCCGAGGAATTCACCGTCTCGCAGGTAC
 CAACGCGATCCAAGACACGGTGAGTGCGAACCTCAGCCCCGTCATGAAGCGCGGGAGCGTGCCCCGCGAGC
 AGGATCTTCGCGAACACGGTGCGTTTGGGCAGGTGGTATGCCTGCGCCAATTCGAGCAGTTTCGGATCGA

TGCCGCGCACGCCGTCGCGCACATTACATAGATCAGCGCAAACGCGCCGATGGCGATCAATGCCACCTT
 CATCGTCTCCCCAATGCCAACAGCACGATGAGCAGTGGGGAGAGCGCCGGGAACGGCACGGCCCTGAGC
 ATGTGTATGGGCTTGTCATGATTGCATGGCCAATGGTGCTGACCCTGCGATGATGCCGGCTGGCACCG
 CCGTCACGACACCCAGGGCCACGCCGAGAGACACTCTGTAGAGGCTTACGCCTATGGATGGCAGCAACAG
 CCCCTCGTGTGCAACGCAAGGAGCGCCTGCCACACTTCGCCGGGGGAGGGCAGTGAACGGTTGTGCGCC
 GGTCTCCGGTGGCCAAGGCCACGCGAGCACGATGAGCACCGTGAAGCCCACAGCGCGCAGAAGCGGG
 GTGCGCGCCATGATGCCACGGAATGAATCGCGTGCCGATCCGGCTCGCAGTCTTGGTATGTTGCGCTGC
 GGGCACGGCGTATGCGGCGGAGCGTGCCGGTGACCGGTCTGTCGCATCGAACTGGCATCCCGGTAAGGG
 TTCCCGGACTCGTTCGTTGCAGACTGGGTCTGACATTCCCTTCGATAGCATTGTCTATGTCAGGTTCAA
 CGAGTGTGATCTCAGCCAGCCGACCCGCTTTGGCGTCGCTTCAGCATGTTTGAAGGTCATGGCCCGGG
 CACCCCGTGTGCTGTTACGTTGTCGGAAGGCTCGGACAATACGCGTGTGCGAGTCGAAAAGAGTCGTG
 GGAGCGCTCACATTTTTCTGATCCGCTCCCGCCAATCGTCCAACAATCTCATTACGCTGGAACTGTCA
 TCACAACCTATGCACATTAAGGAGAAGTTGTGGCAGCAATTGAAAGCGTGTACGCACGCCAGATTCTTGA
 TTCCCGCGCAACCCGACCGTTGAGGTCTGCTCGACACCGATGACGGTCTCGCGGCTGGGTCTCGTT
 CCTCCGGCGCCTCCACCGGCGAAGCCGAGGCTTGGGAGCGTCGCGATGGCGACAAGTCCGTCTATCAGG
 GCAAGGGTGTCTCGGTGCCGTCAAGGCGGTGAACGAGGAGATCGCCCCGAAGGTCATCGGCATGGACGC
 CACCGACCAGCGCGCACTCGATGACCTGATGATCGAGCTCGACGGCACCCCGAACAGGGCCGTCTGGGC
 GCCAACGCCATCCTCGGTGTCTCCCTCGCCGCCCTTTATGCGGCCGCCGAGAGCGCCGAAGTCCCGCTGT
 ACCGCTATATCGGCGGCACCAACGGCCATGTTCTCCCGGTTCCGAACATGAACATCATGAACGGCGGCGC
 ACACGCTGACTTCGCCACCGACATCCAGGAGTACATGATCTCCCGTACGGCTTCAGACCTACTCCGAG
 GCTCTGCAGGCCGGCGTCGAGGTGTACCACACCTCAAGAACGTGCTGAAGAAGCAGGGTCTGGCCACCG
 GTCTCGGCGATGAGGGCGGCTTCGCTCCGAAGATGAAGACCAACGAGGATTCCCTCAAGTACATCATGGA
 CGCCATCTCCGCCGCCGGCTATGAGCCGGGCAAGCAGATCGGCATCGCCCTCGATGTCGCTCCTCCGAG
 TTCTACAACAAGGAGACCGGCAAGTACCACTTCGATGGTGAGGACCGTGATTCCGAGTACATGCTCGACT
 TCTACGAGAAGCTCGTCGACCAAGTCCCGATCGTCTCCATCGAGGATCCGTTCCAGGAGGAAGGCTGGGA
 AGACTGGGCCAAGATACCAAGGCCCTTGGCGACCGCCTGCAGTTCGTCGGCGACGATCTGTTCTGCACC
 AACC CGGTGCGTCTGAAGAAGGGCATCGATATGGGCGCCGGAAGTCCCTGCTGGTCAAGCTCAACCAGA
 TTGGCACCGTTTCCGAGACCTCGACGCCATCGAGCTGGCCACGAAGAACGGCTTCACCTCCATGGTCTC
 CCATCGTTCCGGCGAGACGCCGGACACCACGATCTCCGATCTCGCCGTCGCCAAGAACACCGGCCAGATC
 AAGACCGGCGCCCCGGCACGTGGCGAGCGCATCGCCAAGTACAACCGCCTGCTCGAGATTGAGGAAGAGC
 TCGGTTCCGACCGCCGAATACGCTGGCTACAGCGCATTCAAGGCATGCCGGAAGTACATGTGATTGAAAC
 GCATTCTGGTTTGACCGGGTGACCGTCTTAGGGACCTTATTGCTAATAACCGCCGCACGTGCAATGC
 GGCGGGTATTTTGTTCTATGAGCAAGCGGCCACATGTTTCGAAACCACAGTCTGCGCCCTCCTCGTCC
 AAGAAGGAGCGGACGCACACGAAGGGAGCGAACACCGGCCCATCGCATTCTTCATCGCACTGTTCTGTC
 TCGCGGTGGGCTCCATCCAGATCATCTCCGATTCCACACGATGCGATCAATCTGAGCGAGCTGAACTC
 GCTCAAGAAGCAGGAAGCCGTGCTCGCGGCGCAGAAGAAGGATCTCGAAAACGACATCGCCCGTGGGAC
 GACCCTGCATACGTAACCGCCAGGCCAGGGAACGGCTCGGGTATGTGTTCCAGGGGAGCAGGCGATCA
 AGGTGGAGCATCCCGAGGCGGTGAGCGGCGAACAGCCGAAGTCCGATGCCAATGCGAACACGGAACGGG
 CCAATCGAACCTGCCCTGGTACAGTGAGCTCGCCTATTGTTCAAGGAATCGGATGCCAGAAAACCCGAT
 GCCACCAATAATGGCAACACCGCCGAATCGCGGCAACAGAATGACCCTGATGCCACCGCGGGCACCGATG
 CCCCAGGATGGCGGTTCCGGCAGGGCAGTAGCGATTGACATACCCACACACCATGCGGGCGATGGCC
 CGTTGATTCCCTGACCAAGATCGGAAGGAAGCATGAGCAAAGAAGGCCGGAACGCCAACGGCATAGAGA
 CATTGGCCGCAGAGACATTGCAGCGGGTCATGGAGCACCCGGCGACGAGAATGACATCGCCACCGTCTGA
 GACCCAGCTTGGCAGGTATCCGCGTGGCATGGTGGCTGTCGGAGCACGTTGCGTCGGGGACGGCACCCCG
 CTGGTGGTGATCACAGGGCCTGTATTGCCCGGTGGCATTCCATTCCCCACGACCATGTACCTGACCACTC
 CGGAGGCGGTGAAGGCCGTATCGCATCTGGAAGCCGATGGACTCATGAGACAATACAACGAAATGCTTGC
 CGACGATACCAATCTGCGTGCTCAATACGAGAGGGCGCATGCCGCGTACCTGGCATTCCGCCACGGTCTT

GCCGAACGGCTGAATGAGAGTGAGGAGCACATCGAAGGTATAAGCGCCGGTGGCATGCCGGTGCGTGTGA
 AGTGTTTGCACGCCTTGGTGGCACAGTCGCTGGTCATGGGCCCCGGCGTCAACCCGATCGGCGATATGGC
 ATTGGAACGCATGCGCAATGAGTTCGATCCGACGGTATGCCGATGTGTGCGGGCGCAATCCGACGGACAA
 GAGACACGCTGACGGCATCGGCCGTATGCGTGACTCGAGAGGGAGGTAGAGATGACTGCAGTGACAGTGG
 CCGGAATCGATTGCGGAACCAATTGATTAGACTCAAAATCGCGCGGGTTCGACGAGCATGGGGTCACTGA
 CGTCGTGCCCGCAATGCTGCGCGTGGTGCCTTGGGGCAGGGTGTGACGAGACTCACCGCTTCTCCGAT
 GAGGCTTTGGAACGCACCTATGCCGCCGTTCCGCAATTCAAGGACGTTCTTGATGAGCATGCGGTGGACG
 CCATTCGCTTCGTGGCCACTTCCGCCACACGCGATGCCGACAATCGCGAGGAATTCGAGAACACGGTGGA
 ATCCATTCTGGGAGTCCGCCCGAGGTGATCTCGGGCACCAGGAAGCGGACCTGAGTTTCTGGCAGCC
 AGCAGTGCCATTTATCGCTGCCTGACGTGAGGGCCCCATATCTGGTGGTCGATCTGGGTGGTGGTTCAT
 GTGAGCTGGTGCTTGGTGGCGATGGCGATACGCTTCCAGCTACGAAGGTGCAGGCGGGCTTCTCGATGAA
 CATTGGCTCGGTGCGTATGACCGAACGCCATCTTCATCACGATCCGCCGACCAGCAGGAGATCGACGAA
 GCAGTTCATGACATCGACAGGCATATCACCGAGGCATTCCGACATGTGCTGCCGGCAGGACGCATACGA
 TAGTCGGTGTCTCCGGCACCCTGACCACGATGACGGCACTCGCCATGGGACTGACCGAATAACAATCATGT
 GGCTGTGGACGGTGTGCGCATGGACTTCGAAACCGCGTTCGCCGTGATGATCGGTTCTCAATATGACC
 CGTGCGGAACGTGCCACTCATAAGACCATCCATCTGGACGTATCGACGTTGTGCGGGCGGGCGCGTGG
 TGTGGAACCGTGTGCTTGGCCGCTGGCCGAGGCTGCATTGCTCGACCACGGCCAGCACATCGATTCTTA
 CGTGGCCAGCGAGCACGGCTTGCTTGACGGGCTCATCATCGATCTGGGTGCGAGGACGCTTGAGACCTGC
 AACGAGCGCCCTACAGAACTGAACACCGATATGGCGCACTCCCGTGATCGACGTAAATCAGGTGAGTG
 TGACATAATGTCTGTCTCGGGACGCGTGCGCCCCGAAGCCCCTGTGGCGAAATGGTATACGCAGCCGACT
 TAAAATCGGTGCTTCGGCTTGGGGTTCGAGTCCCGCCAGGGGACCTCTCACCAGACACGGCATGCA
 GTACGGCCATATGTCCGTAATGTGAGAACCTGTGGTTCTTCGCATGTTTGAAGGCTGCTGATACATCT
 GTTCCCTACACTCATATGACAGATCACGCTCCAGGGCATGGGAGGAACATGGCATCCAAGGGAACCGCAG
 TCAAGGCATCGAATACGCACGAGTCCACAGTCACTCTGCGGGTAGCTCCGTCCAAGTGCACGGGGAGAG
 TGGCATGCCGGTCATGCTCGTGACGGCCATCATCATCGCGGCCACGCTATGTGTGTGCGAACTCGTATGC
 TCACCGATCTACCTTTCATTACACCCGGTCTGTTCCCGATTGGTTCATGGGTGCTTGTGGCCATGTTGC
 TCGCCGTGCGGTTGCGCATATGTCGTGGGCTTCGCGCTGCTGTGGTGCGCTGAATCGTTGCTTACCGCAT
 GAAGCGCAAACGAGCCGGTCTGCTATTGCTTATCGGTGCCGTGCGCTTCGCCGTGTGGACATTGCG
 GTCGTGCTCGGATTATGAACATGATCGCGGGGGCCGGTGTCTCGGCCAAACCGTGTGCGACCATGACACCA
 TAGTCGCCGGTGTCAATGGCGCGATGCTCGGGTTTGCCTCGTTCTTCTCGCATCCACGCTGGGTGAGCG
 CCTCGCCAAATACAGAAAGGTGATGATCGCCATCGGTGTGATACCGTATTGCTCGCCATCGCTGGAGGC
 TTCCTATTGCGGGCGATGTACAGTCCGTGATGCTGATCCCTCTGAACCGGCTTGTGCTGCGAGAC
 GCGTGTACAATGCCGTGTGTGTTCAGTGTGCTCGATATGTTCTCCGTTGGTGTGGGCCAAAGCTCATCGC
 ATACCGTGGGCCCCATGCTCGCCGCACAGCGTTTCTCGAAGGCGCTCGCAGACGGGCATCTGCTTGCCCCG
 TGTGACCCGTGTGATGTACGCTCTATGGGTGCTTGGCATTGACCGGACTCGGGCATGGCACTGACCGT
 GCCGCCGTGGTGGGTTGGAAAACAACGAGCCGAAGACGGTGGATACGGATTATCTCGCGCGCATCCATG
 AGATCTGTGATGAGCGTGGCACGTTGAATCTGAACGGCGAACACGAGATCGCATTGCAATATGGACGCGA
 TATCGAGTTCGACCACTGGCGACGTTTCGCCGCGCATCCGAATGGCATGCGGTTACGGCATATGGCGAG
 CACGGTGAGCAACTGCTCGAACAGGTGTGGTATTGATCGGCGGTGGATTATCCAACGTGGTTTGGCCA
 CGGATCCGCTTGTGCCGATTACGCGGAAGTCCCCCAGCCGTGACGCGTATTCCGAGGAGCAGATGAG
 CGAGCAGACCGCGTTGTGCGGTGGAAGGTGACAGCATGGCTGGGCTGCCCTACCCATTCTCCACGGCGTCC
 GAGCTCATCGACATATACGTACGTACCGGTTTGGGCATAGACGAGGTGCTGTTGGGCGAATGAGACTGCCA
 TACGACCTGCCGAACAGATCGACCGGCATATCGAAACGGTGTTCGCGACGATGCGCGACTGCATCCATGA
 AGGATGCACAGCCGGCAAGCGGTGCTGCCGGGTGGGCTCAATGTGCCGCGACGCGCACCCGCCATGTAT
 GACCGGCTTGGCGGACGCGGAGACCTGCTCAATCAGCCGGCGGCCGACAGCGTGCGGGAGCTCGAGTCGT
 CGAACGAGGCCTGGGTTGATTTGTTGCCCTGGCAGTCAATGAGCAGAACGCGGGCGGGAGGACGCATCGT
 CACCGCGCCGACGAACGGTTCGGCGGGAGTGATTCCCGAGTGCTCATGTACTATTGGCATTTCATCGCG

AATGCGAATATGGCGGGGGTGAAGAAGTTCCTGCTCACCGCATCGGCAATCGGATACCTCATCAAGCGCA
 ATGCCTCGATTTAGGAGCCGAGGTCGGGTGCCAGGGGGAGGTGGGATCCGCATGCTCCATGGCCGCGGC
 TGGCCTGTGCGCTGTGGTCGGGGGAAATCCTCGGCAGGTGGAGAACGCCGCGGAGATTGGCATGGAGCAC
 CATCTGGGACTCACATGCGACCCCATCGCCGATTGGTGCAGATTCCATGCATCGAACGCAACGCCATAG
 CGGCGAACACCGCGATATCCGCAGTGCGTATGGCCATGCTCGGCGATGGTACGCATATCGTACCCTCGA
 TCAGGTGATCAAGACGATGAAAGACACCGGTGAAGACATGATGGCAAATACAAGGAGACCGCCACCGGA
 GGCCTCGCCTTGAATGTGGTGGAATGCTAGCGCCTGCGTGCGGCGGTGAATGAAATGCGCGCATATGCTA
 GGACGGGGGTATGCTAGGCTGTGGTATTCCGAGCAAAGGAGACTGATATGGCAACAGATATGCCTGTGGT
 CAAGGGAGCATTGGCGGATACGCCGAAATCGAATTCGAGTGAGCAGGCCCGCAGGGGCTCAAGGTC
 GTGGAGCTCGAAGAGGGCAACGGGCGGATTGTACGTCGTGGCGACACGGTGACCGTGAACCTACCATGGTC
 AGGTGTGGGGCAACGACAAGGCGTTGATTCAAGCTTCGAAAGGCACCATCCGGCGAGTTTCGGCATTGG
 CGTCGGACAGGTGATCAAGGGTTGGGACCAGACCGTGCCGGGGCACAACGTTGGTTCGCGTCTGCTCATT
 TCGATTCCGCCGCAATACGGCTATGGGGCCAACGGTGCGCCTCAGGCCGGCATCGGCGGGCATGACACGC
 TTGTGTTCTGTGGTGGACATCATCTCCACGCGCTGAGCGAACGGGTTTTCAAGGGCACCGGTGGAATGCCG
 GTGCCCTTGCTGTACAATGGCGGCATAAGCCGCGTCATATGGAGGGTCATATGGAACAGGAAGAAAAGGT
 CGTGCTGCTCACGCAGGAGGCGTACGACAAGATGAAGGAGGAGCTCGCTCATCGCGAGGGTGAATACCGC
 GACGAGATCACCGAACGCATCGCCGCGGCCCGCGCAGAGGGCGACCTCTCGGAGAACGGCGGATATCAGG
 CCGCGCGGAGGAACAGAGCAAGAATGAGGGGCGTATCAACGAACTCATCGTCAAGCTGCGCAATGCTAA
 GATCATAGAGGCGCCCAAGGCCGGCAGGTGGGCAATGGTTGTTGGTCACCATCGAGTTGGGTGGCAAT
 GAGATGCAGTACGTGATTGGTTCGCGTGACATCACGGTGCCACCGATTACGATGTGATTAGCCCTGAGT
 CGCCGATTGGCGGTGCAATCATCGGCCACAAGGTGGGGGATGTGGTCACATACAAGGCGCCGAACGGTCG
 TGAGATCTCGGTACGATCAAGGAATCCGAGCCATTGAATTGATACCGGGAATATGGCAGGGCCCGCGAA
 CACATGCATGTGTTTCGCGGGCCCTCCCATTTCGCGGCTGGTAGAGAGGCCCGTCAGGCGAGGGCGGCCA
 GATGGCATAACGACCAAGTAGATGGCCACCACATGGCAGGCATACCCGAACACGGTGCCGATGTGGAATAT
 CTCATGGAAGCCGAACACTTTCGGCCATGGGTGCGGCCACCGTTTGGCATAGACGACGGCGCCGGCGATA
 TAGCATACGCCGCCGGCAAGTAGCAGCCATAACACAGCAGGACCGGCCACCGGTGACGTCCAGAACAAGC
 CCATGAACGCCACGCCGAGACGCCGAAGATGATGTAGACCGGCACATAGAGCCAACGCGGTGCATTGAT
 CCACACCACATGAATGATCAGGGCGATGAGTGTGAGGACCACATGCCGATGATGATCGCCTTGCGCCAG
 AAATCGTCGAGGGCGAAGGAGACAGGCGTATAGGTGCCGCGATGAGCAGGAAGATGTTGACATGGTCGA
 TGCGGCGCAGCACGTGCGGTGACCCTGGGCGACCAAGTCGCCGAGATGGTATAGTGCGGAGTTCTGTGAACAG
 GAATGCAGAGGATGCCATGAACACGGCGCAAGCCATTTGAGTGCCGCCCATGGGCCAGACAGATGAGC
 ACAATGCCAGCCGCGATGGCCAACGGGGCGGCGCCTGCGTGAATCCAACGCGCATGGCGGGCTTCTCTC
 GCCCATGCACATCGAGGCGGATCTTGCGCTCGATTTCCGAGGTGCGATTCCCTCGAGCTTGGCGGCCTG
 CTCCTACCCCTTGGCTATCGTTCTCTCGCCTTGTTGTGCGCCTTGCGACGAATCTTCTCGGCCTTGGCA
 TGCGCTTTCTGACGCACCAAGATTGCGCTTCGCTCCAATGCCTGTTACGGGCCTCGATCACGGCTGCGC
 GCTTGCCTTCGACTTGCTCCGGTGTGATATGCCGTCTCCTTCTACCTCCAATCTACGCTACCGTAAGT
 TACGATACCGTAGCATAATGACAGGTGGCACGTCCTTACACTGCGTATATGCGTAGCTGTTCTGTGCGC
 GTTGCTGGCTATGATGAAGCCATGGCTGATTTTTACAGATACTCGCGACGCGACCGGATTTGACGACA
 GCGATCGGGAATGGCTTACCATTGGTGGCGGATTGGCAGGTCATCGCCGACCTGAGCTTCGCCGATCT
 TCTGCTCATCCTGCAGAAAGGCGATGGAAGCTATATCTTCGCCGAGCAGTGCAGGCCATCCACGGTGGTG
 AGCATGCGGGTGGACGATGTGGTGGGCCAGCAGGTCGATGCATGGATGAGGAACGAATGTGAGGCCGCCA
 TGACGATGATGGCGTCTACAGGTGCGAGAATCTGCAGCATATCGATGGGATGAACATCTGCAACACCTA
 TGCGCCCATCCGTCAACACGGTAAGACCTTGGGATTGGTGCTCCGCGAGACGAATCTGGAGAACC GGGA
 TCCAATGGCCGGTATGAATGGGAGAGTCTGGAGGTGGGGCGCCAGCTGTTGCCATGATACCCGCGAGC
 AGTTCCCATACCGCGATGCCGTGATGAACCAACGGCATAATGCACGTGTGTCCGACGGCTTCATGCGCT
 GACGGTGGATGGCGACGTACGTATGCATCGCCGAACGCCATCAGCTGTTTCAGGCGTCTGGGTATGGTC
 GACATGATGCAGGGTAAGAACCTCGGTGAGGTGGGTGCAGGTCTCATTACCAGAACGATCCGGTGCCGG

AATCTTTGCCGTTGGTGCTGTTGGGCAAGGCGCCGGTGGATTCCGAACCTCAATGCGAATCACTCAGTGGT
 CTCCATCCGTTCTATGCCGTTGATGGACGGCCATGGGCGCACGGGCGCCATTGTATTGTGCCGTGACATC
 ACCGAACTGCGCCGCCGGAAGTGAGTTGCAGACGAAGGATGCCACGATTTCTGAAATTCACCATCGAG
 TGAAGAACAACCTGCAGGCAGTGTCTGCGTTGTTGAGACTGCAGGCGCGTAAGACGAAGTCCCAAGAGGT
 GAAGAAGGAGCTGCAAGAGGCCATGCGTCGCGTGACAGACAATCGCCATGGTGCATGAGGGGCTCAGCCAG
 ACCGCCGACGAGAACGTGGATTTGACAAGGTGATTTCCAATCTGCTGCGCATGAGCGTCGACCTGGCCT
 CGATGCGGGACCAACACATCACCATCGACTTCGTGGGCAAATTCGGCAAGATGCCCCGCGCAGGACGCCAC
 CCCGTTGTCGTTGGTGCTCACCGAACCTATTACGAATGCCGTGGAACATGGTTACGATGGGCGCAAGGAG
 GGGCACATCACCCTATCGGTGGGGCGTGAGGGCAAATGTCTTAATGTCGTGGTGGAAAGACGATGGCAACG
 GCATGGACCAGGAGGAGAGCAACGGCATGGCCAAGGCCCTCAGGATCAGGCCTTGGCACGCAGATCATTAA
 CACTTCGTCACCAACGACTTCGGTGGCAATGTGCGCTGGGAACATGGGCGTGATGGTGGCACCAGAGTG
 ATTCTAGACATGACATTGCGTGCGGCCTGAGATGACGCATCCCCTATGCGCAAGGTGCCCGGCATCCAAT
 TGGATGCCGGGCACCTTGCGCATAGGGGATGCGAACGCAGAAGCTCAGATCTGCATCTGGAGCGACTGGG
 AGCGACGCGCGCATGGCGCGTCGTTCAAGGCGCGTCGTTCTCCTCACTCAGACCGCCCCATACGCC
 GTAATCCTGATTGTGTCAAGGGCGCATTTGAGGCAGGCGTCAATCACCTTGACAGGTGCGGCACACTGCT
 TTGGCCTCTTCGATCTGCTGGTAGGCCGCGCCGGTGTTGCCTACAGGGAAGAAAAGCTCCGGATCCTTAT
 CACGGCATGCAGCTTTGGCACGCCAATCGAAAGCACTGCTCATGTCAATCCTCACGCTCAGTGGTAACG
 CTAAATCGCTATACTATGCAACCGTCATGGATTTTCAAGGGTTTCGATCAAAAGGCGGAAAAATATCATG
 TTCCCGACCTGTCTCGTATGCACTGAATAAGTCGGGCACACCCTTGTTCAGCAGCACGGCGCGACCGGG
 CCTCATGAACTCGGAAGGCGCATGGTCCGCAAGCATGTGCGCGGGGATGCCATCCGCAAGATCGGCATT
 CTGTCTCCGCAGGCGAACACGATGCGTACGGACGCATGGTCCGGAATGCGCAGTGGGCGTGAGGTGCGCA
 GGCTGAACACGGTGAGCGTGGAAGTGTCTGCTATGCTGAGCCGCAGGGCATTGTACCCGCTCATATACTT
 CATCGGTTCCAAGGCCTCATCCGCATCGGGGAAACAGTCCACCGGTGTGCCGTGACGCATGGCCTCCCCG
 CGGATGCGTTCAAGCAGTGTATGCGCACCGCGGTGTGGCGGTGCGATGATGGCGACGGAACCGGCACAAA
 GGTGATGAAGGCCGTTTGAACGAGACGCCAGTGTCTGCGACGCCAATGAGTATACGTGAGGCATCGCT
 GCATGCGTCGATGTGCATGCAGGACAGTTCATCCTCATCGATGTCCGATGGCAACGGAGGAGTGAACAGC
 ATCGCACGGTTCGTCTGACCGAAAAACGGGCGGATTGGTGTATCTGCACGGTCAATGCCCCGATATTG
 AAGGCTGCAAACTGCAATATCACGCACTACCCTCATGGTTCAGCACTGCCGTTCCGGGACAATCCAC
 GGAATGGTCAAGCCAGTGCCGATCCGATCATCTCATGGGATTGCATGGCATCCTGGACTCGAAGACAT
 ATGCGCAGACTCATATTGGCCTTCATCGAGGCGTTGATCTCCACCATCGGATTCTGCGTGACACCA
 GATGCATGCCAAGCGAACGACCGAGCGAGGCCACGCGAAGCAGTCTGTCCATATAGCCGGGCAACTGTT
 ATTGAGCATATGGAATTCGTGACGACAATCATGAGTCGTGCCGGTGATCCGGTAGCTGACGTATATCG
 CTCACATGATGGCGGGCGGGCAGATGCTCGCGCATGACAGCTCATCTTCAAGGCACGCAATGCCCTGG
 AGGCATATGACAGGTCGAGGTCGTTGACGCATCCACGGACATGGGGAAGTGCGGCCAGCCGATCCAGAGC
 GGAACCGCCCTTGAAGTCAAGGAACACGAATCCGAGTCTGTCCGGTGGGTAGGTGACGGCGAGCGCCAGG
 CACCAGCATTGCAGCAGCACCGATTTGCCGGAACCCGTGGTGCCTGCCACAATGGCATGCGGCCCTTCGC
 TGTCGATATCCACGCTGAGCGGCCTCCCGTGGCATCTACGCCAAGAGTCGCCCCGAGCCCCGAGGTATG
 AGATGCGACGCACCATCGATGACAGATTGTGCGCATGGGAGCCTCGTCATCGCCGAATCCGAAGATCGTC
 ATGAAGTCCCGATCACGCGGTGTGGGCATGCGGGCAATACGATTATGTTGTGGTGATGAGGCTCGCATG
 CGCCATCCGATTGATGATCCGATCGGGGGAGAGTGATGCGGAGAATCGGGGGTGATGTCAGGGTAA
 TGACGCCAGCATGCCGAATATGCCTGAAGAGACCATCAGGGCGAATAGCCATTGACGTTGCAACAGCAAC
 GCCGTGAGCAGCATGATCTGGGCGAGAGCAGGCATGGCTGCACGCAGGAGGTGTCCCTGTGCCTCCACC
 GTTCCGGGCCGACTGCGGTGCGCACCGCCGATATGGTGTTCATGCCCATGCGTCCACTATGCGCCGG
 TTATCGGGGTGAATCAAGCGCGACCCGGGTATGTGGATAACTATTGTTGTTGCGAGGTTGAGCCACCTG
 ACCCGGGGCATGGTCGCCGTGATGCAGCTGCTTGAAAAGCTCGAGGTTCTTCTGGTTGTCCAGCAAGACG
 CTGGAACCCACGCCGTCCACATAATACCGGGATCTGTCCAGTACAGACTCCGGTGATGCCGTTGGATC
 CTGAGGCGTCGCGGAAGGCGAGCAGCATCTGCAGCATCGTCCATGGAGTGATTTGTCATCCACCGTGAG

GGAGCCAAGTGCGGCCTCGCCCACTTTCTTCAGTTTCCCGATGTTGAGCAATGTACTTTTCGCTGTGGCC
 TTCTGTGCGATGGCGCCGATCACCTGGCGCTGGCGGTGGAACGGCCGAAGTCGGAGCGTGGATCCGAGT
 ATCTCATACGGGAGAACGCCAAGGCCGTTCTACCGTCCACCACATGGCAACCGGATTTCCAATGCAACTC
 GGATTTCTCGTCATCCACATCCTGGTCGTAGCACAAATTCGACGCCGCCAGGGCGTCCACCACCTTGGTG
 AGGCCGCCGAAGGTGAGCTTGGCTACATGGTCGATGTGCTGACCAGTGATCGATTCCACCTGCGTCACGA
 GTTCCTTCTTGCCGAACACCTGCATGACGGCATTGATCTTGAGCATTTGGTCGCCGACCTGCACGAGGGA
 ATCGCGGGGCACTGAGATGAGTGAGCAGGGTCCGTGCTTCGGCTTGGTCAGTATGAGAATCGTGTGGTA
 CGCTCACCTGGGGTGTATCGGCACCGGTGGTGCCGTACGTTTCATCGGAACCCAGAATGAGCCAGGAGG
 TACCGGGAGTGTCGGAGCCTGTGGTAAGCCACGCTTCTTGCGCAGATTGGAATTGACCCAGTCGTAGGT
 GCCGATGCCGCCTATGCCGAGCACGATGACGATGACAAGCAGCACACCAAGTACCATGTTGCGCACGCGG
 TGTGGTTTCTGGTTGCTGCGGTGCGCGTATTACGCATGGCGGCCGGTGCGGGGAATCGTCCATTTTCGAG
 AGTTCGTAGGCATCTGATGCGAGTGTTGGTGCCGACTTGGTGAGCGGCGTGGGGCATAGGATGGCGCGGT
 TGTGGGGGAAGGCTGTCGGGGGGAATCGGAACCAACCACCGAGGATGACGATGATGAGCTGCGCGGATT
 CGGTTGTGCTTCGGCTTGAATGATGCGGGCACGGCCGAGGAGTTCTGCCATTATGGGGTGATGAGATGT
 GGCCTGGGGTGAAGCTGGGGGGCGTTGGCGAGGAAGCGTTGGGCGCCGATGTGACTGGAGGCTGCGCGGA
 GCCCTTCTGGAATGGGAAGGGGCAAAGCTCGGTGGGAGATCATTGCCTGTAGCATTGTTGTCGTCATA
 TGCCCTCGCCTGCTGATTTTCTTGAGAAGCCTATATTGCCAAGATATACCGATATTATGGACCAACGAG
 ATCCGGCGGAATGCGAAGGGGCGGCCATCGGGCCGACCCCTTCGCCGTTTCAGTCGTCGCTGTGCTCCG
 GCACTTTGCAGATAGTGTGTTGAGGTAACGATAGGAGATGCCGACGATTGGTTCGTGTTTCGGATCCTT
 GATCGATCCGTCGTCCGGGTCCACCACGCCACCGGTCTCAGGGTCGGTCAAGATGCCATCGGGATGCACC
 AGCAGCCCGTTTTCTCATCAAGCCTGGGCTTCTCCTCCTGACTCGACGAACCCGAGTCATCGGACGGCT
 GTGGTGAGGGGTCTTCGGTCTGCGCGGGCTCCGTGCGGCTCTCGGAAACGGAACTTGGGATTGCTCCTC
 CTCCTGCTTGTCTGCGCCCGCGGAGTCATCTGAACCGAATAACGGCTTGGCTTCTTGAACCTTGGCCAC
 ACCGCCTTGGCATCCTCGGTCCAAACCACGCGGTTGGGGTCTGAGGGGCGGACATGATCGGAACAGTCT
 GGGAAATACAGGTGGTCGACCTTGAGATTGCGCAGACTCAAGGCCAGACCCATCAATGCATTGGTATCGGC
 CATGCCCGAGCTGAAGTTGAGTGAACGGATTGCATTATGACCAGCTGGTACAGCTGGCTGGTCTGCGTG
 AACAGGTTCCGAGAGATGGCCTTCTGCAACACGGATTGATGAGGTATTGCTGACGTGTCGTGCGCATGA
 TGTCGGAGCCGTCGGTGTGTTGCCGTGGCGACGGCGTGCATAATTGGTCGCCCTCCACGCCATTGAGATG
 GTGCATGCCCTTCTTCAGATGCATGTTCTGTGTTGCGGTGCTCCACGTCGGAGGGGAAGCACAGGTGACG
 CCGTCGATTGAATCAATCATCTTGCTCAGACCGTTGAAATCGACGACGATGAAGTTGCTGATATGAAGTC
 CGGTACGCGCATTACGGCGTTGACCGTGACGCTGGCGGCGGAGGAGAGGTACCTCCACCGAATAGGC
 ATTCGCGAAGATCGAGTTGAACTGCACGCCGATTGGGCCGGAATCGTCTCCTTGGAGGTATGGCATGCC
 GGCACGTGACAAGGGAGTCTCGCGGAATGGAGACGAGATTACATAGTTTCTGTGCGGCCCGATCTGCA
 CCACCATTTGTGGTGTGCGCGTTGTGTAGCCCTCCCTCAGTGGCCCCGTACCCGGAGACGTCACCGTTGCC
 GTCGCCATCGCGAGTGTCTGGCCGATGAGCACGAAGTTGATTGGCTTGCCTGAATTGGGATCGAGATAG
 GCGTCTTCGTCTGACTCACCTCGATGAGACTTCTGATTTTGCCGCTCTGCACCGCATTGTTGATGTTGA
 GCCAGGTGGCCGCGGCCACAGAGCCCGCAACACGAGCACAGCGACCAGCACCATCGCGATGATCTTGAG
 GATCCGGTATCGCACGTGCCTGACCTGCACGGTGCTGTGCCGCGGATGCTCGTCAACAGGACCGCCGATG
 TTCACGATACGCTTGTGTCGTGCGGTATGTGAAGCCAAAGCTCATACCTTTCTGTTCTGTCGTCTCCGCCG
 GGGAGTGCCGCGCGCCCGCGCGCTGCGTGACACGTACATGTGATTCAGTTTCATGATTATAAGGTA
 CTCGCTTGAGAAAAAGATGGGAATGGGCGCATCTGCACGCTTTTACCCCAAGATGCCTTGAATAGACCC
 TGTGCGTACACTGGCGTATATGAGACTTTCGGCGACAGCGAGATTACGACGCTGATCAGCGACACCTT
 GGCGCAACGGCCCTATTTCCACGACCAACGGTGCGTGACGATGTGGTGGCGGTGATTACGGTGGAGAGC
 GACATGCGATTCTTCCCGGACACCTTGCCGCCGTGCTGAGACAGAGCGTACTGCCGTGACCATTTGTGA
 TTGCGGATTGCTCAGGGCAGACCCTGCAATCGGTGACAGCAGTTCACCAAGTGATCCCCACGAGGCTGA
 TGCGCTGCATGGTGTCTCAGGAGCATACAGTGCATGTGCAGGTGCTCAAGGTGGCGCAGGCGCGTTCC
 TTCGGCGATGCGGTGGCGAAGGTAAGTACTGCGCAATGCGCAGATTGATACGGCGGCGAAGACCTTATGGCTGC

TGCACGACGATTACGGCCCGCTGACCCGATCTGCCTGGAACAGCTGCTCGACACGTGGACGAATACGCC
 GACTGCCGCGTTGATCGGCTGCAAACAATTGGATTGGGATGCCGTGCGTCTGCACGATGTAGGCAAATAT
 GCATCACACCATGAGGTGGTGTCTGTTGGTCTGGACGGTGAGCCCGATCAGGAACAGTACGACTCCCGCA
 GTGACATGTTGCGGCTCTCCCTCGCCGGCGCCCTGATTCCGGTGAACACATGGCGCAGTATGCATGGCAT
 TAATGCATGGTTACCACTTACGACGAATCGGCGGATTTCTGCCGGCGCCTATGTCGAGCAGGCAAACGC
 GTGGTAGTCGTTCCATCGGCCCCGATCGCGCATCGACGTGCAAGGTTCAAGGCATTTCGACCCCATGACG
 GTCAGCCCACCTCAGACGGCAGGATCATCGACACATCGATGCCACAGTTGAGTGGCGAGCAGAAATACCT
 GTACACCGATGTCACAGCCGGCTGGTGGCCTCTGCTTTGGGTGCGCAGTGTGTTTGCATGCCTATTCCAA
 GCGCTCAGACTCCTGTTTCGAAACAGCCTTACCGTGCGTGGTGCATGCTGTGTATGCCGGTGCTGGCAT
 TGTGTAATGTGCCGCTGCATTGGTGGCACGTATAGGCTCAAACCTGGTTCAGGCCATATCCCGAAGCCA
 GCTGTGCAATCTGGTGGCAGACAGGGCCCAACTGAAGATCTGGAATGCGCGCAGCAAAGCGTTTGCTGAT
 GAACAGGATGGCGTGGTGTGTTGATCCATTGGCGCAGTCCCATCTCCATCGCCGACTCATACGTCGCTGGA
 CGTACGCCCTTCTTGCCTCCGTAGTGGCATTCTCTGTCTCATGGTGTATTGGCCATTGTTCCGTCC
 GGCATTGCGCGGCGGGTCACTGTATTCCAATCAGTTGCCGGCCACTGATGCCACATTCCGGCAGCTGGTG
 GAGGCAGCCACCACCATGGAATTTCCGTGCCGGTACCGGTGTGGCTGCGCCTCCCGCCCCCTGGCTTC
 TGGTGCTCATGGTGGCGTCAGTGTTACCGGCGGTATGTGGCTGCGGCGGTGACGTCGATCTTCTTCT
 CTCCGCTCCTGCATGCGTCTTGAGTTTCTGGGCACTGGCGGGCGTGGTGACGCGTTCCGATGAGATTCT
 GTGTTCTGCGGCCTGCTGTGGTTCGCCACGGCGTTGTCGCTGGGCTGTATTCCAGCGCGAACCTTCCGA
 TGCTGACCGTCATGGTGTTCCTGCCGGGTGCTTCGCCCTATGTTTCAAAGCTGTGGGCATGTACCGCAC
 CGAACAGCCGGTCAATCCCCGCGCTTCTGTGCAGGCTGCCGCTGCCGCCGCGCTCATGTTTATTCCGGCG
 GTGGCGGCGGAGCCGCAATTGCTGCTCGCTCTCATCGTCGTGTTCTGGCTTTTCTGGTGTTCGTGCGTC
 AGCACCGTATGATGCTGGTGCTCATCCCTTCCCGTCTGCATTGCCCATCGCCCCCACTTTGGTGAATAC
 GGTGCGCTATGCGGGCAATGGCATGATGCGCCAATTGTTCCGGCGATGTCATGGTCCCTGTCGAGCAGGT
 AATGGTGCTCCCGTCTCATGAACCTGAGCGAGTTGACATGGCGGGCTTTCCGGCATTGCTCCTCCACGC
 AATGGGGCAGATGGTTCACGCTGAATGGCGCCCGTGACGCGGCGCTGTTTATTGCCGCATGCCTTATCAC
 TATGCTTGCCGTGATCGCATTGCTACGTCCTTCGGTGTTCCGCGCAAGTAGAATCCTGTGGACAGTCTCT
 CTATGCGGTCTGCTGCTGGCAATGTTTTCTGCGGCACTGGTGATTGCCGAGAGCCATATGGTCCGGCAG
 CCGGCTCTGTGCTGCCAGGTGTTGCGATGGCGTTGTGTGGCATCATCGCCAATGTTGCTGTGTTGGCAGG
 GGCGGGCACAAAGCAATTCACCTGCTTGTGCTGTGGAGCATGTTTCAAATGGTCCGGCTCGCATCGCAGGT
 CGTGTGGCAGTGGCGTTCTGATTGGCCTTGACATCCTTCGCCGGAATATTTATGGCTACCAGATTGCCT
 ACCGTGACGGCATAGGCCAAAGCGACTATGCGCTGCCGAGGTGCGACAGGAGTATTTGCGTGACAGATGC
 AAACCGGCGCATTCTGGCGTTGGAGGCCACAGGCGCTGACACGATCGAGTATGCGGTGATGCGCACAGGT
 AGCGGTGATCTCATGACTCATCGCCTGCGCAGCGTGCCCGCAAGCCGTGCAAGGTTTCGCTGATGGTG
 CGGATCAAACCAAGATAGCCCGTGACAGGAGCCCAATTGCTGGCACAGAACGACGATGATGCGATCGTTCA
 GCTCTCGGATTTGGGGTTTGGAGGTATCTATGTGGTCACCGATGGTCATGATGCCAGCGGACGAGCCAGT
 GCGCAGTTGCTGGCGAACATCACCTCCTGCTCTGGAGTGCAGTCCGTGGTGAGCAATGCAAAAAGGAACCT
 ATTACCGTTACCTTGAATCCACCCGCTGAACAGCACATTGATGATGCCGGTATTGTGGAGCAGAGCCA
 CAACCCATGGAGGATCGCATGGTTGTGGTGTCTCGGAATCATCGTGTTCTGTATTGCATCGTCGCCATT
 CCACGCACCCATGCGAGCAACGAGGAGGAAGCATGAGCAAGCACTTCGAGTCCGGTTCATCCAAGCATT
 AAAGGTGACGAAAGTCGCTGCCACCACGGTTTCCGCATGCGTGGTGGCTGGCGCACTACTGGTCATGGCC
 TTCATCCCCGGGCGGCAGCTGAGTTTCGGCAACGCCAATCCGGCTAATGCCTCGGTGGTGACGGAAGTGA
 GTCCGAAGGTATGGACAGTATTGTCCGGCGCAGATGGGGCTGGCGGATACGGGTACTTACGGAGACAG
 GGAATTCCAAGCTAGCGTGGGGGATCTGGCTTCAAGTGACGGTATGCGGCCTTCGGTTCGATTTTCCAC
 GCACAGGTTTCCCATTTGGGCGACGATTGAAATCCACGGTGTGTCAGGGACACAGTCGGATGATGCGG
 ATTCCACTGCGGATTTCGGTCGTGGTGGCGTCATCCGATTCGCCGCAAGCCCCGAGGTGTTGAGACGAG
 ACTGCTGGGAGCGAGTGCAGGAACAGGGGCGAGTGGATCCATGGCCTCTTGGGCGAGCAATGGCGATATC
 GCCGGTGTGGCCGCTCTACATGCATCAACACGCAATTGAACCAGAGCTTCTCATTTCAGGGACGAAGG

AGGGCACCACCCAGCAACTGCTCATCGCGAATCCTACAGACAAGTCGACGACTGTGCAGCTTTCCATGAC
 GGGGACGGAACCCGGGCAGATTGTGATGGCCACGCAAAGCAGTGTCGTGGTTGGCGCCGGCGAACAGAGG
 ACCGTGGATCTGGCAGCCGCGGCACCTAATCAGGATGCCCTCCGAGTGAATCTGGTATCGCAGGGGTGCG
 CGGTGGCGTCGGTAATACGAACGGTCTCGATGAAGGGCCTTGATCCTGATGGCAATGATTCACGTTGCC
 CTTGAATCCTGCCTCCACCACACAGATTGTCAATATGGGGATTCCCGCAATGCGATGACACTGCGAGCA
 TATGTGTCCCAAGCGGCTTCCCTCAACCTGTCGTGGATCACGCAATCCGGTGTCAAAAGCGCAGGGAAGC
 GAGCCATGAAGGCGAATGAGGTGAACGTCGTCGAATTGAAGGACATTCCCGATGATGCATTGGCCCTGCT
 CGTCGAAAGTGATGTCGACTTTCAGGCCGAGCCGGCATTGACGCATCCGATGACGGATCGCGTGATTC
 GCCTTCGTGAATGCGGCCAGCCCCTATGCCAATCTGCATTGGCGCTGCCCGCGGAGGTACAGGCGCATG
 TGAGCATGGTCAACGCCTCGTCTAAATCGATCGAGTTGTCGCTCACGGCATAACGATGAACATGGCGAGCC
 GGCCGGAACCCGAGATATCCATTTGGAGGGAGACTCCGCAATGATGCTCAGTCCGACGACATCTCGAAG
 AATGCCGTTGCACTCTCCACGATTATCAGGGGAGCGACCTGGTGTGGGGAGCGTTCCTACCAATGACA
 AGGTCAGCTCATCAGATCACGAAGGTTTGGCCTATGTCGGCGCCGAGCGGCTCGAAGTGGCCAAACAGAC
 GGTGCGCGCCATGCATGATGCCACCATCATGCGCTAGGTTCTCTCACATGCCCCATTGCGGGTCAATCTC
 CTCTGGTCTGCGGCCATAGAGCTCAGCTATACGCAGCACCAGTTCATCTCGAATGGCGAGCTGAAGGTCC
 ATCCGCGATCGCGCATGACTCTGCAATGGCATGCGGTAGAGCACTACACGGGCCGGTATGCCATGCGAAG
 CGGGAAACGCTTGGGAATTGAGCCTCGGATTCTCTCCCAAGGGGCGGGGGAGGAGGGAGGAACGTCCTC
 CACAGCGAACTGCAACGGTTCTAGCAATTGTGGCCACGCATCGTTGAGACGGCGAATCTGGGCGATCGCC
 ATGTCGTCGAACATGCCACTGCGTGTGCGATAGCGCGGTAGGCGGCGCCCGAATGGGGGAGTGCGGACCC
 CTCTGCCGTGACGATTCCGGTACGTCTTCTCTTCCCATGGTGCACGAATCATGGTTCCACTGTAGGGCAT
 CGCACCGTCTTTGGTATATTACTCTAGTGGAACAGAACGCGAGGAGTAAGGCGAACATGTCACAATCAGT
 CTCAATGGCCTTGGCGAACGAGGTGACATCGAACGGCTCTGTGCCACGATGAAGGTGATGGCTTTCGAC
 CTCGACGGCACACTCGCCCGTTTGAAGAAACCAATGCACAAGCCCATGGCTGATGCATTGTGCGAGCTGA
 CGCGCCTGCTGCCCCTGGCCATCATCTCCGGTGGCACCATCGACCTCGTGCCTCGCAGGTACCGATAT
 GCTTTCGATGAAGCCGACCGTTCACATATGCACCTGATGCCACATCAGGTGCACGCTACTACCGTTGG
 AATCCCGAGGACGACGATTGGCAGGAGGCGTACGAACACAACCTGAGCGAAGAGGACCGCAGGCTGGTCA
 TCGAATCGTTGGAACGTACGCCCCGTGAACCTCGGCATATGGCAGGCGCGCACATGGGGGCGCGCATCGA
 AGATCGCGGTAGCCAGATCACGTTCTCCGCACTCGGACAACAGGCTCCAGTGGAGGCCAAGGAGGAATGG
 GACCCACCAATGAGAAGAAGAACCGGCTCGCCGAAGCCGTGCAGAAGGATGTTCCCCATCTCGCGGTGC
 GTTCGGGAGGTTCCACCAGCGTCGACATTTGCAACAGAGGGGTGACAAGGCGTATGCCGTACGCAAGCT
 CGCAGACATGCTTGGCGTGACGGTGGGACAGATTGCCCTTGTGGGTGATCGCATGGACCCGATGGTAAT
 GACTATCCGGCGGCTTTGGCTGGAACAATCGCCATCCGGGTACCGGTCCGGAAGACACCCTGCAGCTTT
 GCAACCGCATCATCGACTGGTATAACAGGAATTCACGATAGTCTGCAGACGCGAGGAGTGCGGTATGGGT
 ACATCGTTCTGTTGCGGAATGGTGTGCGGCGGCCGAGGATTGCTCAGGGAAGTGGGGTATCTGCTGTTTC
 CACGCGGGTGTGCGGGATGTGATGCTCCCGATGAAGTGCTTTCAGTTCGATGCGAGTGCAGAAATCCACCA
 TTGCATACCGTTCCGACTGCATCCCGGTACGTTGCATTTGGGATTTGCCTGTGCACTCTACCGTGGCGTG
 GCACGCGAGGCGATTCTCAATTGGAAGGACCACGGCGATGAGGAATGCGATGGGGCGTTCGTACGGCAT
 TGAACCGGCTGTTGACGATCTGCTCGCATTCTGCAGACAATCGGGCGAGCAATCCCCAGGCAGCTGT
 TCCCAACGACATATTGATCGTTCCCGCACCATCTCCGCTCCTCATTGCGTAGACGAGGCCGAGCCAA
 CTAGCACCGCTGGCAAAGGCGCTATGCTCACATGCCAACGCACGGGGTATGCAGACAACGGTGGCACCAT
 TGCTCATCGTACGCGCCCATAGCAAATCAGTCGAGACCAACGGTGCCGATCAACGCGCGCAGCGTGCGCG
 ACGGACGATCTGCATTAATGAACGTGCCACCCACGACAAGGAGATGGATGCATGCCGCACGGTGATCCTG
 ATCGATGACATCGTGACCACCGGCGCGACAATCAATCGATGTGCCACCGTACTCGCCGAACATGGGTATA
 CGGTGTTACCGCACTCGCACTGGCCTACACGCCATCGAAACACGGATACATGGTTGCCTGATACTCATA
 TGAATATGGCTTCTCGCCTCGTGAGCGGGAAGCCATCGAAGGGGGGTGCGGAACCTACTGCTTGCAGGGC
 CCTGTACCCTCCACGTGCGGATGCAGCGGCAGTACGATCTCGAAATCGACGCCCCCTCGAATCGTCCACCA
 CATGGATGGAGCCACCATGCAACGTGGCAGCCCATTTGCAATCGACAGTCCGAGTCCGGTGGCGCCGGA

TTCACTACCGCGTGTGGTGATGCCCATGACGAAGCGCTGGAAGATCTTGTGGCGCACATCTTCTGGAATC
 TGGGAACCGAAGTTGACGATGTTTGTACCACCGTACCGCGCGAATCGTCCACATGCGCCTCGACGAGCA
 CACTGGCGTCGTCGAGGGAATGCTTGAGCGCGTTGGCGATGATGTTCTGTACAGCTGACGTAGGCGGTC
 CACATCGCCCTCCATCACGATGTTGAGGGAATGTGTGTCTCGATGTCATGCCCCGCGGCTGCTGTCAAGG
 AGCTTCAAGGGGGCGATTGTCTCGTCGATGAAATCCGCGAAGTTGAACTCCTCGATGTTGAGGCTCGAGG
 AACCGGCCTCGATGCGCGATAAATCAAGCAGGAAGGAGATCAGGTCGGTGAGTCGGTGTGTCTGGGCGAG
 AATGCTCTCCATATTCTTCTCGTTCGGCTCCACCACACCGTCTGCCATATTCTCCACCATCGCCTGCACT
 GCGGAGACGGGTGTGCGCAGCTCGTGCGCCACATTCGCGATCATGTCGCGCCGCAACTGGTCCTCATGCT
 GCAGTTCCTCGGCCATGTCGTTGAAGGCGCGGGCAAGCTGTCCCACTTCATCGTACTTATTTCGAGAAGTC
 GGGAAACACGCGCCGTGTAGTCTCCGTCGGAGAGACGTTGCGCGGCATCGCGCATCTGGCCAAAGGATCG
 GTCAGATGCCGCGACGTCGCGTAGGTGAACACCAGAATGACGATGAGCGTGACGGGCGAGCGCCAGCCAAT
 CGTTGATTTTGGTCTTCGAAAACACCCATGCCAGCAGGAAGGCTCCACGGTGGCGACCACAATGAGCAT
 CGTGATCTCCACCTTGAGCGTGGAACAGTAGCGAACGAGGCGCCGCTTGGCATCCCTACGATGCTGCGAG
 CGCCTCATTGCGCGGTTGTATGCCTCGTCCGTCATGAGCCTTACGCTTCTGGCGGTTGGAAGGCGTACCC
 CACACCATGCACGGTGCGGATCGTGAGGCGCCGAGTTTATGACGCAGCGCTTTCACATGGGAATCGACG
 GTGCGGGTGCTGGAGGCGTCAACCCAATCCACACCTCTTCGAGCAGCTGCTCGCGTGTGAGCACGGAAT
 GCGGCTGTTTGGCGAGCGTGCTCAGCAGATCGAACTCGGTGGGAGTCAGATGCACTTCCTGCCATCGAG
 TGTACCTGGCGCTTGGCCGGATCGATGACCAACGTGCCGAAATCAAGGATGCAATCATTCTCGCTCTTG
 TGCGCAATCACCTTGCCCCGGTCCACGCGGCGCAGCAATGCGCGCACACGTGCGACAAGCTCACGCATCG
 AGAACGGTTTGTCATATAGTCGTCGGCCCCGACACCCAGTCCGATCACCACATCTGCCTCATCGTCGCG
 CGCAGTGAGCATGAGCACCGGAATGGGATGTTGTGCCTCGATGCGTTTCGTTGCCTCGATGCCGTCCATG
 ACGGGCAGCATGAGATCCATGATGATGAGATCCGGATGCAACTTGTGCGCGGCTTTCACCGCCGTGGCGC
 CGTCTCCGGCGACACGGGCCGTCCAGCCTTCATTGGTCAGTCTCTGGGCGATGGCTGTAGCCAGTGTGGG
 CTCATCCTCGACCACGAGTATGGTGCGTCGTAATTCGTTGTCATTGCAAGGAGCAGACATGCTATTGCTC
 CCTTCCTTCAACTTGTGTCAGTTGTTATCCGGTTCCAAGAATACGACACCGAGGGCCGGCACGGTTATCT
 TCGTAGAATAATCGCGCGAATGGTAGGGGCCGGCGTTGGCTTCGATATTGGTGTGTTGGATGTCGGACCC
 GCCGTACTTCCTGTCGTCAGTGGTGAGTACCTCCCGCCAACGGCCGCCTTGTGGGAGCGCCACCTGGTAG
 TCCTGCCATGCCGTTCCGGAGAAGTTGACCACGACGACCATCTGCTCGCCGTTTTTGGCGATTGCGACGA
 AGCTCAACGTATTGTGGTCCGAATCGTCACTGGTGAGCCACTGGAACCGTCGGGGGTGAAGTCCTGGCT
 CCACAGGGCTGGAGACTTCTTGTACAGAGCGTTGAGGTGCGCCACCAGTTGCTGCACGCCACGGTGATCA
 GGCCAGTTACAGGAGTCCAGTCAAGCTGGCTGTTGTAGTCCCACTCACCCTACTGTGCGAGTTTATTGC
 CCATGAAGGTGAGGTTCTTGCCCGGATGTGCCATTGATAGGCGAACAGGGAACGCACGCCGGCGTAGCG
 CTGCCAATCGTCGCCCCGGCATCTTGCCGAACAGCGATCCTTGCCGTACACCACCTCGTCATGGCTGATC
 GGCAGCACATAATGCTCCGAATAGGCGTAGACCATGGAGAACGTGATCTCGTTGTGGTGCCACTTGCGGT
 TGATCGGCTGCTCGTGACGGTATTCAAGCGTATCGTGCATCCAGCCCATGTTCCATTTGAGTCCATAACC
 CAGACCGCCCTGGTCGGTGGGGCGGTGACGCCGGGTAGGCACTGGATTCTCGGCGATCATCATGATG
 CCCGATTGTTCTGTAGGCCGTGGCGTTGGCCTCCTTGATGAAGTCGATGGCCTCGAGGTTCTCGCGTC
 CTCCGAACCTGTTGCGGATGCCATTGACCGGGTTGACGGCTGTAGTCGAGGTAGAGCATCGAGGAGACCGC
 GTCGACGCGCAGGCCGTCCATATGGTACTCATCAAGCCAGAAGCAGGCGTCGGCCACCAGGAAGTTGCGC
 ACCTCGCGGCGGCCGAAGTTGAAGATGTACGTCCCCCAATCCGGATGCTCGCCGCGGGTGGATCCGGGT
 CCTCATACAATGGCGTTCCATCGAAACGGCCCAATGCGAAGGCGTCCTTCGGGAAGTGCGCCGGGACCCA
 ATCCATGATTACACCGATAACCGCCTCGTGAAGCTTGTGACGAGATACTTGAAGTCGTCGGGGGAGCCC
 AGGCGGGAGTCCACGCCATAATAGCCGGTCACTGATAGCCCCAGCTGCCGAGGTACGGGTATTCTCCA
 ACGGCATGAATTCCACGTGGGTGAAGCCCAGCTTCGCGACGTACGGCACGAGCTTGTGCGCAAGCTCGCG
 GTAGCTGTGTACGTGTCACGCCAAGTTCGCAATTACCTCGTAGATCGCCACGGGACCCTGGTGCGGG
 TCGGTTTTTCGCGCGCTTGGCCATCCAGTCGGAATCGTTCCAATGGTATTGCGACTCCACCACAATCGAGG
 CCGTCTTCGGTGGCACCTCGTGCGAGCGTTCCATTGGGTGCGCCTTCATCTCCAAGTGTTGAATACGTT

GAGAATCTGATATTTGTATTCTCGCCGGCCGTCACACCCGGGATAAAGATTCCCAGACGCCGGAGGAG
 CCGAGTTCGCGCATCGAATGGCAGATGCCGTTCCATCCGTTGAAATCGCCCACCACTCGACCGAATGTG
 CATTGCGCGCCAGACGGTGAATGCAGTGCCGACCACAGGTTCCGCATGGGTGCCATCATTGCCACCCAT
 GGAGTCTCATATCGCTTGACGTTGGCGCCCATGGCCTCCCATAGGCGTTCATGGCGTCTTCGCCGAAC
 AGGTAGAGATCCATCTCACCCACGGTCGGCAGGTATCGATACGGGTCTTCTCCACCACCGTGGAGCCGT
 CCTCCTTGGTGATGCGCAGGCGGTAGTCGGGAACCGAATACCCCTGTCGGTTTTACGGCGGGAACAC
 GGCGACATAGACGCCGTTGAGTTCGGTTCGGCCTTGGTCTCGCTGTCGGGGGTGACGATGACGACTCC
 TTGGCGTCAGGGCGAAGTACGCGGACGGTGGCGGTGTCGCTGTATTACCGCTACCGAGGTGGGCGCCGA
 GAATCTCGTGAGGGTTGTAGAAACGACCCTCGCTCACGGTGCCGAGTTGGGCATGATCCACTGCAACGAT
 GGCATCTTTATTGAAATGATTGTTACTCATACATAGAGGATAAGCATGCAACACGGGGTTGGGAGCCAT
 TCTGCGTAAAAAAGCGTCTTTTTTGCCTAAACCTTGCAAGTCCAAGCGATAGGGCATACTTATACGGG
 TTTTTCATTGCTCTTACGGAGGATTCATGGGATAACAAGTTCGGCGATATGGTCGTATATCCGCGTCACG
 GTGCGGCTAGGGTCGAAGAGATTTGACGCGGACCGTCAAGGGCGTCACCCGGGAGTACCTGAAGCTCTC
 GGTGCTCTCATCCGATGATCTTGAGATCTTCGTGCCGGTCGACAACCTGAAGAAGGTGGGTGTGCGCGAC
 ATCGTGGACGGCGACGAGGTGAGCCGCGTGTTCGAGATTCTGCGTACGCCGATCGTCGAGAAGGAGATGA
 ACTGGTCACGCCGGTACAAGCTCAACGTGGAGAAGATCGCCACGGGCGACGTGAACAACATTGCCGAAGT
 GGTGCGCGACCTTTCTCAGCGCGACGTGGATGAGCACGGGCTCTCCGACGGCGAGAAGCGCATGCTCACA
 AAGGCGCGTAGCATACTCACCTCAGAGATCGCCTGTCGGAGGAACCTCAGCGAGGAGGAGACGCGAGCGCC
 TGCTCGATGTGAACCTCGTTATGCCGAGCCGCAGGAAGGCGATGCCGAGCATCACACGGAGGTCCCCGA
 GGAGCCGGCACAAGACACGCTGGCCCGTCTCGAGTCCGAGAGCAAGAAGTCGAAGAAGAAGTGAGCGATT
 CGTCTGATCTGCGCAATGGTCTGGGATTGACGCGCATCGGTTCCCGATGCCCGCAATCCCAGACCGTT
 TTTTCTTGCTGTTGGAGTGGGAAGGCAATGGTGTGAGGGTGATTGCGATGGCGATGTCGCCGTGCAT
 GCCCTCATCGATGCATTGTCTGTCGGCCACCGGATTGGGCGATATAGGCACGCTGTTCCGTGTGGGTGCGG
 ATCCCCGAGGAGCCGGGATGCGCGGTGAAGCGATGCTCCGTGAAACCCTCAGGTTAGTGCATGCCATGG
 GTTCGAGCCGGTGAGCATGTCGATCAGCATCATCGGAATCAACCCAAGATCGGTTGCCGCGTGATGAG
 GCACAGCAACGCATGTCACAGATCTGCGGTTGCCGGTGGCATCACGGCGACCACCACCGATGGCATGG
 GCTTACCCGGCAGAGGCGAGGGGTTGGCCGCCATCGCCAGCGTACTGGTGAGGAAAACGGTCGCGTCTGC
 GTGAGCAGTCCCCGTCCATCAGAGGCATATGTGCGAGTGCGCCGTGACAATCTATGAGGATTGTCACGGC
 GCACTCAATGCGTCAGCCGAATCTGGGTGCTCGCCCAATCTCGTCAGTCGCCATTCCGGTGGTTCCTGA
 CACTTCGACGCCCTTCGCAATGCCCCAGAACAGTGTGGACAACGTGACGATCACGAAACTCGGAGGGGC
 GGGGAACATCGTGAGATCACCAGCCCACCCAGATGCTCACCAGACACAGCACCATGGCCATCACAATG
 GCTTTGAACGGCGAGTCGGTAATGATCATGGACGTGGCTGCCGGTGTGACCACGAGCGCGAAGATGAGCA
 GCGTTCACCCGCGCCGACCGCGATGGTGATCACCCCGGCCAGGATGGTCATGAACAGTGCATTCATGAT
 GCCAACCCGAACACCTTCGCTGCGCCACCTGCTCATCGAGCGAGCTGAACAGCAACGGCCGATAGACG
 ATGCACATGAGGATGATCAGCACGGCGTCGAAAATGGCGAAACCGATAATCTGGTCCGGTGTGATCGTGA
 GGATTGACCCGAACAGAATGGCCTGCAGCTGCTGGGATGCAGAGCTTGACATTCTGGCGAAGTACAGGCC
 GAGGCCGGTGGCGAACGCGAGCACGGTACCCGTGGCGATCTCGGTTCCCCGGCCCGTTTGCCTAAAGCC
 GCAATCACCCATGCGCCCCCACGGCAAACACGCCCAGACCGAGGGCGATGGGAACGCCAGCAGCGCCG
 CGCCGGTTGCTCCGGGCAATGCGATGTGCGCAAGCGCATGCGAGGCGAAGGTGGAGTTGCGCGCAATGGT
 GAAGTAGCCGATGATGCCGGCACTCAGCGCGATGCACAGACCTGCGAGGAAGGCATTGCGCATGAAGGGC
 ATCGTAAGCGTCTGCGTCCATAGCGGGTCATAGGAGAAGAACGAGCTCATTGTCCATTGCCTTTCCTGTC
 GATGTGCGCGTGGTGTCTGTCATGCGCACATCCTCATGGTGATGGAATTGTGCGACGTGACGAGGAG
 TGATGTCTGGGTGATCGTTGCATCCGATGTTGTCTGCGTTCCGGGTGACGAACATGTCTCCCTGCGGGG
 TGGTGACCACCTGCACTTGGGTGCCGTAGAGGTGTGTGAGCAACTGGAGTCGAGCACCTCGTTCAGCTT
 GGCGAAGTGGGGGTGCCGTGAGCAGGTATACGGCGCCGGTGAGAATCGGCAGCAGCATATTGAGGTGCG
 TGCGCCACCACCTGGATGGTCATGCCGAGTTCCTGTTGAGCTTGCCAGAATGTGCACGGTGGAGCGTT
 GGCTGGCCAGATCGAGATTGGCCAATGGCTCGTCGAGCATGAGCAGCTCTGGGTCCGACACCAAGGCCTG

GGCTATGGCGACGCGTTGGCGCAGGCCGCTGAAAGCTGGGAGAGACGGTATGGGGCCTTGTGCGAGCACG
 CCTACGAATTCCATCGCCTCACGTGCCTTGCCGCTCCTTTTCGAAATGATGTGGAAGCCGAAACGGG
 TGCCTGTCAGACCGAGCAACACCGATTGCTCGGCGGTGAGCGATGAGTCGATGTCGGAGGCGTAGCTTTG
 TGGTACATAACCGATGTGCGCATTATCTCACCAGCCGGTTTGCCAGCACGGTCATCGTGCCGTGGGAA
 AGCGGTATGAGCCGAGCTCCGCTTTCATCAGTGTGGTTTTGCCCGCACCATTCGTGCCGACTATGGCGG
 TCGCGCTGCCGCGTGGAATGGTGAAGGTGCCTTCGCTCCAAATTGTTCCGCTCCGCGTGAGATCGCGAT
 GTCGTGGCATAACGATGCAGGGCTGCATCGGTGTCATCCGATCGGCCATTGCTCACCTCTTCTTCTTGA
 TTCGTATGCGACTGCCAACGGCGTGCGCATATCCGACGAATTCAGTGTCCAATCAGTATTGACAATCAT
 TCTCAATAAGAGGGCAGCTGATTGATGGAGACAGGTGCATGGTATTGCCTACTTCGTGGCAGGAGTCTCC
 TGCTGTGTGCCGACGCTCGGAGAGGGTGATGATGCGGCCTCGTGTTCCTGTTCTGAGAGACTTTGGAGA
 TGATCGATTGCTCAGAGTGTGATCCAAGAGGTGAGGTCTTTCGAATCCTTGGGCATCTGCTCGGTGAT
 GTCGATACCCGGGATGCTCGCCTTGTCGCGGGCCTGGGTGAGCGTGGCGTCGGTTTGCGCACTTTGCTGT
 GGGTTGTTAATCAGCAGATTGGTTTGCCTGCCTTGACAGCAAGTCGCTGAACGCCTTGATATCCTTCTCGT
 CGGGCTCGGTGCCGTGAGCATGGCCTTGGCATAGCCCTTCGGCGTGACGTCCCTGAATCCCAAGTCGCT
 CATCAGATAATACGCGACATCTCCGTGGCGGCATAGGTGGGATCTTTCGAGCACTTGCTGCGTTCCTC
 ATCTGTGATTCAAGCTCGTCCTCGTCGCTCTGCCATGTTTTAGATTGCTTTCGAAGTATGCCTTGTGCT
 CAGGGAGGAGCCTGCTGAACACCTCTGTCAATTCCCTGGCCACGGCCTGTCGGGCGTCACGTGAGAACCA
 CAGGTGTGGGTTGTCGCCATCCAATGCACCCACTGTGTGCGCCACGGACACCCGTGTCACGTTCCGGGGA
 AGTGAACGGTCGGCCCAAGTGTGATCCTGCGCCGTTGGTCAGCAGCACTTGGGCTTGCGCATCTGGG
 TAACCTGTTTGGCATTGCGCTCGAAAGAATGTGCGTTGGTGGTGTGCGGGGGGAGGATCGACGAGACTTC
 CACCTGATTGCCGCCAATCTGCTTCGCCAATGACCCCCATTGGTTAGTGTGGCGACGACGGTGATTTTC
 GAGGCGGGGGTAGTGGAGCCGTTTGGCGTTGGCTCGTTCGTCTGCCGGGAACCGAACAGCTGCAGGCGC
 TGGTGCCAGAATCAGTGCGATGCCAGCCAAGATGGCGGCGATGGCGTGAGTCCGTTGCCGAGTGTACG
 CATGACGTTCTTAATATGGGTGCTTGATGTCGATTCTCGTTTCTTCTGCAATAATAGGTGGGACATG
 GCCGAGGAAAGACTCCACCGAATGCGAAAGGGACATTCATATGGCAATCGTATTAGACGGAAAGAAGGTG
 GCCGGCCAGATCAAAGCCGACCTCGCCTCGCGTGTGGCCGGTTGGCGAGGATGGGTATGGTGCCTGGTC
 TGGGCACTGTGCTGGTGGTGACGATCCGGGTTCCATGAAGTATGTGGAGGGCAAGCACAGGGATTGCGA
 GGAGGTGGGAATCGCCTCGATACGCAGGCAGCTTCGGGCGACCGCGACGACGGAAGACGTGCTTGCCGTC
 GTGCGCGATCTCAATGAGGATCCGGCATGCACCGGTTACATCATCCAGCTGCCTTTCCTGCCACATCG
 ATTCGAACGCCATCATCGGCGCCATCGATCCGACCAAGGACGCCGATGGTATGCACCCCTACAATCTCGG
 GGAAGTGGTGCTTCATGTTTCGAGGTGACATCACCACGCCGTTGCCCTGCACCCCCCGGGGTGCTCGCC
 CTCCTCGACGCCTACGGCATAGAACTGGCGGGCAGGAACGTATGCGTGCTCGGGCGCGGCATAACCATCG
 GTCGCACCATTTGGCCTGATGCTCAGGAGAGCGGTGTCAATGCCACGGTGACGCTCTGTACACGGGGCAC
 CCGAACATCGAGGAGCACATTGCGCGCGCGGACGTTGTCATTGCCGCGGTTGGTGTGCGAGGGTTCGTC
 CAGGTGGAGCACGTCAAGCCGGGGGCGGTGCTCATCGATGTCGGTGTATCGCGGGTATTTCGATGAACAGG
 CCGGCAGAATGCGCATAGTCGGAGACGTCGATTCCGAGGCTCATGCCGTTGCCGGCGCGTATTCCCCGAA
 TCCGGGAGGGGTGGGGCCCATGACGCGTGCCATGCTGCTGCCAACGTTGTGGAACAGGCTGAGCGCATG
 GCCGGTATTCTGTAAGATTCTGAGCCATTGCTCGGGGAACGCGACACGCCGGCGGAAAAGCGCGTTTTT
 GGCTAGTGCTTCGCTATAATTGAGTCTGCATGTGTTTTGGGGCTTGGTGTATCCAGCCGTCGAGCATATG
 CCTGAATAACTGAATATCGATATTATCCACCCAATTCGAAGAAACCATTAATGGCAGAAAAACAAA
 GCAGAAGTCGAAAAGGTCGCCATCAACGACATCGGCACCGTTGACGACTTCATCAAGGCAGTCGATTCCA
 CATCAAGAACTTCGACGATGGTGATCTGGTAGAGGGCACCGTCGTCAAGGTGATCACGACGAGGTTCT
 CCTGGACATCGGCTACAAGACCGAAGGTGTAATTCCTCCCGCAACTTTCCATCAAGAAGGACGTGAT
 CCGGATGATGTCGTCAAGGTGCGGACACCATCGAAGCCCTTGTGTCACGAAGGAAGACAAGGAAGGGC
 GTCTCATCCTGTCCAAGAAGCGCGCCAGTACGAGCGCGCCTGGGGCGACATCGAGAAGATCAAGGAAAA
 CGACGGCGTCGTGAGGGCACCGTCATCGAGGCCGTCAAGGGCGGCCTGATCGTCGACATCGGCCTGCGC
 GGCTTCCTCCGGCCTCCCTTGTGAGATGCGCCGCGTGCGCGATCTCTCGCCGTACATCGGCCAGAAGA

TCAAGGCCAAGGTGCTCGAGCTCGACAAGAACC GCAACAATGTGGTTCTGTCCCGTCGTCAGTACCTCGA
 GGAGACCCAGTCCGAGGTTGCGGAGACCTTCTCTCGAGCTCAAGAAGGGCCAGATTCGCGAAGGCGTC
 GTCTCGTCCATCGTCAACTTCGGCGCATTGCTCGATCTTGGCGGCGTCGACGGCCTCATCCACGTCTCCG
 AGCTCTCTGGAAGCACATTGACCACCCGTCGAGGTCGTCAGGTGCGGCGACAAGGTACCCGTCGAGGT
 GCTCGACGTGATCTGGACCGCGAGCGCATCTCGTGTGCTCAAGGCAACTCAGGAGGATCCGTGGCAG
 CGCTTCGCACGCACCCACGTTCCGGGTGAGATCGTGCGTGGCAAGGTCACGAAGATTGTCCAGTTCGGTG
 TGTTTCATCTCCGTCGAGGACGGCATCGAGGGCCTGGTGCACATCTCCGAGCTCGCCAACCGTCACGTCTGA
 AAATCCGGAGACCGTTGTCAAGCCGGGCGAAGAGGTCTTCGTCAAGGTGATCGACGTGATCTGGACCGT
 CGTCGCATCTCCCTGTCGCTCAAGCAGGCCAACGACTCTGTGACCCGAACTCCGAGGATTCGATCCGG
 CGCTCTACGGCATGCCGGCCGAGTACGACGAGGATGGCAACTACAAGTACCCGGAGGGCTTCGACCCGAA
 CACCAACGAGTGGATTCCGGGCTACGAGAAGCAGCGTGAGGAATGGGAGGCCAGTACGCCTCTGCTCAC
 GGTCTGTGGGAGCTGCACAAGGAATTCGTGCGCAAGGAGCTCGAGAACGCCGAGGCCTCCGCTCAGGAGG
 ACGGTGAGGCTCTGCCAAGGAAGAGAAGGTGCAAGAGACTTCGAACTACTCCTCCGAGTCCGAATCCAA
 CGGCACCCTCGCCGATTCCGACCAGCTGGCCGCTCTTCGCGAGCAGCTGCTGAGCGAGAAGAAGTGAGCC
 GCTGAAGCTGTTCCGCTTCGATTCCGGGAGGCGTCATGTGCACACGCGCATGGCGCCTCCCTCCGTATATG
 CCCGGTACATATCCCATGCATGTGAAAAGGAGGCATCATGCAGACCGTCAACGGGTGGCGATGCATGCGC
 ATCGCGCTGACCGGTGGCATAGCAGCGGGCAAAGCACTGTGGCCACCAGAATGGCCGAAGACGGCGCCG
 ATGTGATCGACTATGACCATCTTGCACACATCCTGCAGGAGCCATGTTCCCCGGCGATCGATCCTCTGGT
 CAAGGCATTCCGGCCCTGGCATTCTGAACGGGCGCGGAGGCGTCGACCGACGGATCCTGTCCCGGCATGTG
 TTCGGAGAAGGGGCCCCGGATAACGCCACCGAAACACTCAACGGCATCATGCATCCACTGGTGTACGAGC
 TCGCTCGCAATAGGGAGCGAAGTTTGGTGGCGACGGCCGCAAGCATGTATCGTCCACGATATCCCGTT
 ACTCGGCGAGGTCATGGACACGATTCCATTCTGTGTTGACGCCATAGCGTGCATGGCACCCGAGGAT
 CTGCGTGTCCGAGGCTTGTGAGACGCGGGGCATGACCGAGGAGCAGGCGCACATCCGCGTGTATGTAC
 AGGGAGACGAGGCCTCCGGGTGCGGTATGCCGACGTTGTATCGACGCGACACAGCCGATAGAACAGAC
 GTTCGAATATGTTGATAGCCTTGTGCGACAATGGTTCGCCGAGGAGTAAGGATCGCCATGGGATTCAACA
 TCGAGCGCACGAACAAGCCGTTTGTGTCAAGTCGCCGTACCAGCCCTCCGGAGACCAGCCGAAGGCCAT
 AGAGGAACTGGCCACTCGCATCGAGAACGGCGAGAACGACGTAGTATTGATGGGCGCCACCGGCACCGGC
 AAGACCGCCACCACCGCGTGGCTCATCGAACGGCTGCAGCGGCCACGCTCATCATCGAACCGAACAAAGA
 CGCTCGCCGCCCAACTGTGCGCCGAATTCCGCGAGCTGATGCCGACAACGCGGTGAGCTACTTCGTCTC
 GTACTATGACTACTACCAGCCCCGAGGCCTACATCCCGCAGACCGACACATACATCGAGAAGGATTGAAAC
 ATCAACGACGACGTGGAGCGCCTGCGCCATGCCGCGACCGCGAATCTGCTCACACGTGCGACTGCGTGG
 TTGTGGCCACCGTCTCCTGCATATACGGTTTGGGCACGCTGAGGAATACGCCGGTGCATGCTCTTTCT
 ACACGAGGGAGACCAGATTGATCGCGACGATCTGCTGCGCACCTTCGTGACATGCAGTACAAGCGCAAC
 GACATCGCATTACGCGCGGCACCTTCCGCGTGCGGGGCGACACGGTGGAGATCATCCCGGTGTATGAGG
 AGCTGGCCATACGCATCGAGTTCTTCGGCGACGAGATCGACCGCATCTCCACACTGCACCCGCTACCCGG
 CGACGTGATCGAGCAGGTGAGTGACGTGCACATCTTCCGGCTTCGCACTACGTTGCCGGTCCCGAACGC
 ATGGCGAAGGCGTTGGATTGATCCAGCGGGAACGACGAGCGTGTGGCCGAGCTGCGCAAGCAGGGCA
 AGGAGCTTGAGGCGCAACGTCTGAGCATGCGTACGACGTACGATCTGGAGATGCTCTCGCAAGTGGGGGT
 GTGCTCAGGTGTGGAGAACTATTACGTCACTTCGATGGGCGTGCGGCCGGCACGCCACCGCACACATTG
 CTCGACTTCTTCCCCGACGATTTCTGCTGGTCATCGACGAATCACACGTGACCGTCCCCAGATCGGCG
 CTATGTACGAGGGCGACGCCAGCCGCAAACGCACGCTGGTGGAGCATGGGTTCCGACTTCCCTCGGCAAT
 GGACAACCGTCCGCTCAAATGGCCGGAATCTTCGATCGGGTGGGCCAGACCGTCTATCTGTGCGCAACA
 CCGGGAGATTACGAGCTGGGGCTTTCGGATGGCGTGGTTCGAACAGATCATACGACCCACAGGCTTGCTCG
 ATCCCAAGATCGAAGTGCGCCCGGTGGAGGGACAGATCGACGATCTGCTCGCCGAAATCAAAGATCGTGT
 GGCCGCGGGGAGCGCACGCTCGTCACGACGATGACGAAGAAGATGGCCGAGGATCTACCGATTACCTG
 CTGGAACGCGGCATCAAGGTGGAATACCTACACTCCGACGTCGACACGCTGCGACGCGTTGAACTGCTGC
 CGAACTGCGTGAGGGCAAGATCGACGTCATCGTGGGCATCAATCTGCTGCGTGAAGGCCTGGATCTGCC

GGAGGTGTCGCTCGTGGCGATCCTCGACGCCGACAAGGAAGGCTTCCTGCGCTCGTACCGATCGCTCATC
 CAGACCATTGGACGTGCTGCACGCAATGTGAGCGGTACGGTGATCATGTATGCCGATGAGATGACGGATT
 CGATGAGCAAGGCGATCGAGGAGACCAATCGTCGTCGTGAGATCCAGATGGCATAACAAGGAGGACATCA
 CATCGACCCCAAGCCGCTCATCAAGAAGATCAGCGACGTCAACGACATGCTCGCCAAGGAGGACGTGGAC
 ACGCAGGAACTGCTCGAGGGCGGCTACCGCAACTCCGGCAAGGCAGGTAACCTCGCATCTTGATTGCCGA
 ACACGACGCCCCGAGGAAGCCGACAGGGGCCATGAGGAGATTCTCAAGGCCGGCCTTCCCGCACAGGATCT
 CGCAGACCTTATTCGCCAGCTTTCCGATCAGATGCATACCGCGGCCGAACAGCTGCAATTCGAACTGGCG
 GCGCGCTTGCGTGACGAGATTCGCGACCTCAAGAAGGAGCTGCGGGCCATGACACAGGCGCAGCAGTAGA
 CAGCCCATTTGCGACGGCTTGCGTTAAGCTGGCCTGTATGGCAGAAACACCTATCTCGTTCATGATCGGC
 ACCTATGTCGTGCTGGTCTTCTTCGTCGTGGATCTCTTCGTCCTGGGGCGCAGGCCTCATGTACCGT
 CGACCAAGGAATGCGTGACGACATTGCGTTCTTCGTCGCCATGGCGCTCGTCTTCGGCGGATTGATATG
 GTGGGTGGCCGGGGCCAAAGCCGGCCGTTGAGTTCTATTCGGGCTGGCTCACCGAGTATTCACTCAGCATC
 GACAACCTCTTCGTGTTTCGTATCATCATGTGCAACTTCGCGGTGCCGAAGAACTGCAGAAAGTTCGTTT
 TCTCGTTGGCATAACGATTGCATTGGTGCTTCGCGGGCTGTTTATTCTCATCGGTGCCGCTCTGGTCTC
 GCGTTTCACTGGGTGTTCTTCAATTTTCGGCGCTTCCTCATCTATACGGCCGTCAAAGTGCGGATAGGG
 GAGGACGACGATGAGGAGTTCATGAGAACGGAAGTATTGACCCCATGCTCATCGT
 GTTCATCACGATCGGCACCACCGACGTCATGTTTCGCTTCGACTCGATTCCGGCGATATTCGGTCTCACC
 AAGGATCCGTTTCATCGTTCACCTCCAATGTGTTTCGATTGCTCGGCCTTCAGCAGCTGTACTTCTCGC
 TGGGCGCGCTGCTCGACAAGCTCGTGTATCTGCCGTCGGCCTGTCGCTTGTCTCGGGTTCATTGGTGT
 CAAACTCATTCTCGAGGCGTTGACAGGCAACACGCTTCGTTTCATCAACCATGGCCAACCGTTGGGCATG
 GTGCCGGAAGTGCCACGTTGCTGCTGTTGTCATCATCGTCTGCATTGGCGGTTCCGGCATTAGCCA
 GTGTCATCAAGATGAAGTCGATCGACGCGAAGCAGGCCGCGGCACCTTCGGATTGCGAGGAGCGCCCTG
 AGGCGACATGCCGGAGAGCCATATGGTGTGACTTGCGGCACAATGGTTGTGAGCGCTCACAGACTTCTT
 CGCTATTTGCGACAGGCTAAAGCGAAAAAGGAGTAAGCTAGAGCAATGTTGAATGTGCTCTCCAAGGAGC
 ACAACCGTCAAAGAATAGGTAGGCATTATGCGTAAAGCAAAGATCGTAGATACCATCGGTCCAGCTACT
 GAATCTCTCGAAAACCTCACCGCGCTCGTCGAAGCGGGGATGGACGTGGCCCGTCTCAACCGCTCGCACG
 GCACTCCGGAAGACCATCTGCGCGTGTACAACAACGTGCGCGAAGCATCCAAGACCACCGGCCGCAACGT
 GGCGGTCTCTCGTCGATCTGCAGGGTCCCAAGATCCGCTGCGGCTGTTCAAGAAGAACGCCGAAGGCGAA
 GACAAGGTGCAGCTCAAGGAAGGCCAGGAGTTCATCATCACGACCGATGACGTGCAAGGCGATGAACACA
 TCACCTCCACGACGTTCAAGGGCTGCCGGGCGATTGCCATCCGGGGGACCCGATCCTCATCGACGATGG
 CAAGGTCCGTCTCGAGGTGACCAAGGTGCAAGGAAACAACGTGCACACCAAGGTGCTGTCGCGGCCCCG
 GTCTCGAGCCACAAGGGCATCAACCTCCCGGGTGTGCGGGTGTGCTGCTGCTGACCGAGAAGGATG
 AGAACGACCTGCGTTGGGCCATCCAGACCGGCGCTGACATCATCGCCATGTCGTTCTGCGTTCGCGAC
 CGACATCGACCGCGCCCATGAGATCATGGACGAAGAAGGGCGCCGATCCCGATCGTGCCAAGATCGAA
 AAGCCGACAGCCGTGGAGAACCTCGAGGATATCGTCAAAGTGTTCGACGGCATCATGGTCGCCCCGTGGTG
 ACATGGCTGTGGAATGCCGTTGCAAGAGGTGCCGCTGGTCACCAAGCGCTGCATCGAGCTGTCCCGCCA
 GTACGCCAAGCCGTCATCGTGCGGACCGAGGTTCTCGGCTCCATGGTGCATTGCGCGGTTCCGTCGCGT
 GCAGAGGCTCCGATTGCGCCAATGCCGTGTTGACGGCGCCGATGCGACGATGACCTCCAACGAGACCG
 CCGTGGCGGAGTATCCGGTCGAGACCGTCAAGACGATGGCCCGCATCTCCGGCTATGCCACCGAGCACGG
 CTTGATCGCATCCCTCACCTCAAGGATCTCGACATGTCGAGACCGGCGCAGTGTGTCGCGAGCCGCT
 GATCTGGCAGAGAAGCTCAATGCCAAGGCCATCGTCGCTACACGACAGCCGTTCCACCGTGACCCGCG
 TCTCCCGTGAGCGCCCGGCCACCCGATCTACGGCTGACGACCAACGAGCACACCTACCACTGGCTCGC
 GCTGAGCTGGGGCACCGAGGGCATCAAGCTCGATGAGGATTACCACGACATGTCCCGCAAGGATCTGATG
 ACCTTACCGACGAGGTGCTGCGCAAGAACGGCAAGGTGCGCAATGGCGACAAGATCGTTGTGCTGAGCT
 CCGCCAGGGTGAGCATCTGCCCGGCCGACCGATTGATCTACGTTACACCGTGGGTGCTGCGACTG
 ATCGCATATACCGTCAGCGTCTAAGCGCATGACGGGACGAGCGCTCATGGGGTGTGCATCCGCGGATG

CACACCCCATGTTGTCATCTCGGAGTGTCTGAATTGGCAAAAGCCGAGGTATGTGCTATATTCACATAGG
TTGCTTTCGCCCCTGTATCCCAATTGGTAGAGGAGACAGCCTCAAAATCTGTACAGTGTGGGTTTCGAGTC
CCACCGGGGGACCGACAGGCTCGCCGTGAACATTCATGGCGAGCCTTTTTCATCGCATGTTATCCGCTG
TTAACGGAACATCGCGGTTCTGTGCTGTATACAATGGGAAACAGACAGATGAGCCGCAGACAACCAGAAAG
GACTGGCATGAGCAAGCAAACCTATCGTCGTTTCGATCCATGGCGCAGTACCCCATCCAAGAGGAGGCG
CGCGAAACCATAGTCGGCGGCCACTACTTCAACATCGACCGCGTATCGTTAACCTCCCGACGGTGGGGC
ATTCGAACGTCTCATCCTGCACAAGAACAACGGCGATTCAAGTTGGCGTGATAGGACTGACGAAAGACGG
CAGGGTCCCGCTCATCGAACAGTACCGCATACCAAGTGCACCGTTGGACATTGGAGATTCCCGCAGGGCAT
GCGGTGCGACAAGGGCGAAAGGCCGATCGACGTGGCGCATCGCAAGCTTGCGGAGGAAGTCGGGTACAAGG
CGGGGGTGATGACGCAGTTCTGCCGTTTCATCAATACGCCGAGCTACTCCACGCAGCACACCGCCCTCTA
CTTCGCATATGATCTCGAACCGATCGACGAACGGGAACAGTACGCCAACGAGGCACGTGCCAGGTTTCGC
TTCCTCACCCCGCAGGAGTGCTATGAGCTGGTGCTCAACGGCACGATTCTCGATGCCAAGTCCATCATCG
CCATCCAGCGCCTGTACATGGCGCCGAACCATATGATCGGTGTTTCCCGTACGATGGGGTCCGGCACG
AGACTGACACGCATGTTAGCGCATAAGTGCCTACACTGTGCTGTTGGAGCACTGAATACGTCCGACAGG
AATATGTCATAGCCCGCATGTGTATGCGTATATGGAGCGCGGGCATGAAATAATGAATGGAGAGCTTGTA
TGTCGAACGAAGAGCAAGAGAGCATCACCGAGGAACCAACGGTTGACAACGCCGCCGATGCGATCGAGGT
GGGTGACGCACAGGTCGCCAAGAAGGAGGCCAAGCGCAATCCACCGTGGTCTGGCCGAAGACGAGTCG
GTGAACCGCATGGATCTGGTGGCCATGCTCGAAGACAACGGATATGAGGTGGTGGGTGAGGCTGCCAATG
GTGAGGAGGCCATCGAACTCACGCGCGAGAAGAGGCCAGATGTGCTGTGCATGGATGTCAAGATGCCGCA
TATGGATGGAATCACCGCGCGGGCGTGATCTGCGATGAGAATCTGGCCCTGTGGTTCATGCTCACGGCA
TTCTCTCAGGCCGATCTGGTGAAGGAGGCCATTGGTGCCGAGCCATGGCCTATGTGACCAAGCCCTATG
AGGAATCCAAGCTGCTGCCTGCCTTGGCGGTGGCCATGGGCCGTTTCGCCGAGATCAACGATCTGCTTGA
CAGCGTGGAACGCAACGAAAGCGAATTGCGCACCACCCAGGAGCAGTTGAGGGACGCCGAGGAGGAAGT
CGCAAGACCAAGGAGACGCTCGAGGAACGTAAGCTCATAGACCGTGCCAAGGGGTTGCTCATGGATAAAG
CGAACTTCTCGAATCCGGGGCGTTCGTTGGATCCAGAAGACCTCGATGGACCAGCGCATTCCGAAGAA
ACGCTTGCACAGGCCATCATCGAGAAATACAGCGACAAGCCGAACGATGGGGAGTGACCTATGGCGCTC
AACGTGACGTGCAAGGCATTGCACGTACGTTTTTCATATGGTGACAAATCAACGGAACGGGTGGGTAATG
GAAACGAATGAACAGGGCACCAGGGGAACGTTGCTGGTGATTGATGGCCATTGCTGGCATTCCGTGCGT
TCTACGCACTGCCAGCGGAGAATTTCTCGGCCAAAGACGGTCAGGCCACCAATGCGGTCTACGGCTTCTT
CACGATGCTTTCGACGGTCATCGCATCGAGAAGCCCGATCTGCTCGGCGTGGCCTTCGACGTGAAGGGG
GGCACCTTCCGCAACAAGATGCTCACCCAGTACAAAGGCACACGTGAAGCAGCCCCCGAAGAACTCATCT
CGCAGATTCCGCTCATCCAGGACATGCTTGAGGCGTTCGGTGTGACCTATGTGACCAAGCAGGGATACGA
GGGCGACGATGTGATCGCCACACTGGCCACGATGGGGGAGCATGCGGATTACCGCACCTATGTGCTGTCC
GGAGATCGTGATGCATTCCAGCTCATCGATGACGACATCACGGTGCTGTACCCGGGCTATCATTTCAAGG
AACTCAAGGCCATGACCCCGCAGGCCGTGGAGGACAAATACCATGTACCCCGCGCCAATACCCGATCT
GGCCGATTGCGCGGTGAGACCGCCGATAACATACCGGGTGTGCCGGGTGTGGGTGACGGTTTCGCCGCC
AAGTGGATCAACCAATACGGTGGTTTGGACGGTGTGATCGAGCATGCCGACGAGATCAAGGGCAAGAAAG
GCGACGCACTGCGTGAGAGCATTGAACAGATCAGGCTCAATCGCAAGGTGAACGCCTTGGTGCCTGATCT
GGATCTAGGTGTTGACATCGCCGACCTCACCTTCGGCAAAGTGGATCCCGCCAAGGCGGAGGAGCTGTTT
AACCAGCTCAACTTCGGCGCACGCATTGGAAGCAAACCTCTCAAACATTCAATGCGGGGGACCCGGGCC
AGCCGGTCGCGAAAAAGGCCTCTGACGCTGAACGGTTCGAGTTCGAAGGGGAGTTTGACGATGGGTGTT
CGACACCCCGAATCAGTGAGGGTGAGGAACCTGTGGTGGATGAAATCGACGCCCGCGCTCGCTTGAG
GCATGGGCCCAGCAACACTGTCCATCGCCTCGGGCAAGAGCATCTCGTCAACCACATTGGATGTGGTGG
GCGAATATGACGCGCAAAGCCAGCAATGCGTCGAAGCCGTGGAAGGTTCTGGAGTCTGTTGCGATCGGG
AAGCCCCAAGCCGGGACGATCCTCGATCTCGGGACTGGCGTTGATGGCCGACGGTCATGCGGTGGTGGT
GACCCGCATGACGAGCAGTACCATATGGCTCTGCAGCGTATTCTTGACACCTATGCCGCCACACTGAGCG
TCCATGGGTACAAGGAGCATCTGCACATGCTTGGTGCCGTGAATCTGCGATTGCCGATGGTGTCTCGA

CACCAATCTTGCCGGATATCTCATAGACCCGGATTTC AAGGGGGATCGCTGCAGGATTGTGCCGATCAC
 TTCCTGCATCGGCACGCCGAGGAGGTGACGGAGACGGAACAGGGCACCCCTCGATATCGGAATGGATGACG
 AACGCGCCGAACGTGACCGAAAGGTGGTGCCTAATGCTGCCATTGTGAGCCTGCTGGCCCGAACGTTGGC
 TCGGCAGCTTGAACAACGCTGCCAGTACAGCCTGTTGCGTGATATCGAATTGCCACCTCGGTGGCGTTG
 TTCCATATGGAGCACACCGGAGCCAGCGTGACCGTGCCCGTCTCGATGAATTGCTGGAGATGTTACCCG
 ACGAATCCAACCGCATGGAACAGATCTGTTATGAGGCTGCCGGCCATGAGGTGAATCTGCAAAGTCCCAA
 GCAACTCGGTGTGGTGTCTGTTCAAGAGATGGGGCTCAATCCCACCAAGAAGACGAAAAGAGGCTCATAC
 TCAACCAATGCCAAGGCGCTCACCACCTTGACGCGACCTCCGAGGAGGGGAGCCGCCCCAACGAGTTCC
 TCGGAGCATTGCTGCGGCATCGTGAGGTGAACAAGCTGCGTCAGATCGTGACGACGCTCATCGACGCCAT
 CAATCCGCGCGATGGGCGTATTACATACGACGTTACGCGAGACGGTCGCCGCAACGGGACGCTCTGAGTTCC
 GTGGATCCGAATCTGCAGAACATTCCGAACCGCAATGCCACCGGCCGTGACATCCGCTCAGCCTTCGTAC
 CTGGTGAGGGGTTGCGAGACCTGCTCAGCGCCGACTATTGCGAGGTGGAGCTGCGCATCATGGCGGATCT
 GTCGGGCGACGAGGCGCTCATCAAGGCATTCAAGTCAGGGGCGGACTTCCACCGGTATGTGGCCAGTATG
 GTGTACGGCATCCCGGTGACGAGGTGACGCCCCACCAACGCAACCACGTGAAGGCAATGAGCTATGGGC
 TGGCCTACGGGTTGAGCACCTATGGGCTCTGCGAGCAGCTGGGCATCCCGTGAAGGAGGCGGCTGCACT
 GCGATCGCGGTATTTCCAGACCTTCGGCAAAGTGCATGATTATCTGGAGTCGCTGGTATCCAATGCCCGC
 AATACCGGTATACGCAAACGATGTTTGGTGCAGCGCGTTATTTCCCGCCTTGACATCGGCCAACCGGG
 TGGCACGAGATGCCGCGAACGGGGTGAAGTGAACGCCCCGATTAGGGCACTGCCGAGACATCATGAA
 GATCGCGATGATCCGCGTGGATCGCGCTTTCGGGACGGCAACCTGAACAGCCGCATCGTGCTGCAGATC
 CACGATGAACTCGTGGTGAAGTGGCTCCCGGCGAGGAGAAGCGTGTGACCGAGTTGGTGCCTGATGCCA
 TGGAGCATGCGGTCAACATCGCCGTGCCGCTTGATGTGTCCACCGGTGTGGGGTCCGATTGGCAGCAGGC
 CGCCCACTGAGCAAGTTCTGGGCGGCGTGGGATAAGGAGTGAATATGGCCACGGTATACGATGTGATGGG
 TGCGCTGGAAACGCTGTACCCATTGCGATATGCGGAGGATTGGGACCATCCTGGACTCATTGTGGGTGAT
 CTGCGCAATACGGTGAACAACATCGTGTTGCGGCTGATCCGACCATGGAAGTGGTGAAGACGCCATCG
 CGAGTGGAGCCGACATGCTGGTGACGCACCAACCGCTGTTCTTCCGCGCCGTGCACGAGGTTTCAGGCCG
 CACATTCGCGGGGCGCATAGTCAACCTGCTTGCCAAGCAGCACTGCGCGCTGTGGGTAGGACACACGAAT
 GCCGATGCCGCTACCGTGGCGTTGCGCAAGCAGCCGCTGATGCGTTGCGGCTTGAGAATCAGGCGCCGA
 TAGTGCCGATTGACGATCCGACTTCTCCCATACGGTGGGCATTGGCCGTTTCGGCAGGCTCGGTACGCC
 GACGACATTGGAGCGTTTCGCCACCCTGTGGCTCAGGTGTTGCCATTACGAAATACGGCATAACAGGTG
 GCTGGTCCGCTCGACATGCCGATTGCGACGGTGGCGGTGCTTCTGGTTCGGCGATTCCATGTTCCGA
 ATGTGCATGCATTGACGCCGATGTGTATGTGACCAGCAGCTACGCCACCACCCTGCCACCGATGAGCT
 TCAGGAATCGTACTACGAAGCCTCATGCGCAGGGAGGGGATCGGATTGGGAGGGCCGTCCGATTGCCCC
 CACATGCGCCCCGCACTCATCAACACCCCGCACAGCGCCATAGAGAGCATGTGTTCAACTATGCGCTCG
 AAGACGTTCCGCGGATGGTGCAGGAAGTTACGGGAGACATTATCGACGTGCGTTGGAACACGACGAGCAC
 CGACCCATGGGATCTGGTCCTTCGGGGCTGTCGGCCATCCCGATCCATCGCCAGAAGCCGGTAGGTGA
 CCCATGGGCTGCGACAGTGAGCGGAATGTGGAATCTGAGATCATCGATGCCATGCTCGACCGCAGTTTCA
 ATGGCGTGAACATGGACATCCCCGCGCAGTACTGGACAGTGAGACCAAGTACAGGGGTGCTATATTCCA
 TGTCGATGATCGTAGAATCGCATTGACGCGGAACAACGGCGACCAGATTGTCATCCGCGGCGAGGTGCTG
 GTGCATGCGCCCTGTGTGGTATGCTCGTGATGATTGCGTGCGGACACCTACCTGATTGAACGAGAGT
 ACCGTGCGGGGATTGGACGGTTACCTACGGGCTCCCCGCTGGGCTGATCGACCATGACGAGGACCCGCA
 TACCGCCGCTTGCGTGAGCTACGCGAGGAGACGGGTGTGGTTGCGGACACCGACGGTGACGTGCATTTC
 GATATCGTCGGCGATTACTCCTCGGAGGGCATGACCGATGAGCTTGCGCATATCTTCGTGCTCCATC
 TGATGCCCTGGCATGCCACACACCCGAGTTTCGATGGTGACGAGCATGTTGAGTCGACGTGGGTGCGTTG
 GGACGATCTGCTACGTTGCCGTTACCGCATCGAACTCGATCATCGCGATTACGATGAACGGATACGC
 CGATTACGTGAATTGCAGGTTAAATAGCCGAGAAGCAAAATCGCACGTGCCACCGTGGAATGTGCCATAC
 TGGGATACATGCAAGCACGACCAGGTTCAATGTATCCGTTAGGAGCCAGCTACGATGGCGCCGGCGTCAA
 CTTGCGCTCTTCTCCAAGTGCCGAACGGGTGGAATCTGCCTGTTGATGATCAGGACAACGAAAGC

CGCATCGAACTACCGAACAGAATTCGTATGTCTGGCATACTGCTGCCGGAATCCAGCCAGGGCAAC
 GCTATGGCTATCGCATCCACGGGCGGTACAATCCGGAGCAGGGGCAGTGGTGCAACCCGAACAAGCTGTT
 GCTCGACCCGTACGCGAAGGCCATAGAAGGCAACATCGACGGTGACGAAAGTCTGTTCTCATATTGGTTC
 AACGACCCGAACAACCCGACAACATGAACGATCTCGATTCCGCGGCGCATATGATGAAGGCCGCCGTGA
 TCAACCCGTTCTTCGATTGGGGCAGTGACCAGCACCCGTACATCCCATATTCCGATTGCGTGATCTACGA
 AGCCCATGTGCGTGGCATGACCAATCTGAACAAACAGGTGCCTCCGGAGATCCGAGGCACCTATGCAGGC
 CTCGCACACCCAAACGTCATCGAATACCTGAAAAAACTCAGGGTGAACGCGATAGAGCTCATGCCGATAC
 ACCAGTTCGTCAATGACCCGTTCTTCAGGAGAAAGGCCTGAACAATACTGGGGATACAACACCATAGG
 ATTCTTCGCGCCGCATAATGCCTACGCAAGCCAAGGCCAGCGCGGCGAACAGGTGAACGAATCCGCGCC
 ATGGTCAAGGAGTTTCACCGCAACGGCATCGAGGTAATCCTCGATGTGGTGTAACAACCACTGCGGAGG
 GCAACCACATGGGGCCAACGCTCAGCTTCAAGGGCATTGACAATCAGGCGTATTACCGTTTGGTGCACAA
 CGACCCGTTGCACTACTTCGACACCACCGGCACTGGCAACTCGCTGCTGATGCGCTCGCCTCACGCTTTG
 CAGGTCATACCGATTCTTTCGCTACTGGGTGGAGGAGATGCATGTCGACGGCTTCGCTTCGATTGG
 CTGCGACCCTCGCACGCCAGTTCAGGAGGTGACAAGCTCTCCGATTCTTCGACATCGTACAGCAGGA
 TCCGGTGATCTCACGGGTCAAACATCGCGGAACCATGGGATCTGGGTTCCGGTGGATATCAGGTGGGT
 GGATTCCCCCGAATTGGTCGGAATGGAACGGTCATTTCCGTGACTGTGTGCGCGATTCTGGCGCTCGC
 AGCCATCCACGCTGCCCAGCTCGCCAGTCGTCTCATGGGTTCTCCGATCTTTATCAGAAGAACGGCCG
 AAAGCCCGTCGCTCGATCAACTTCGTACGGCGCACGATGGTTTACCATGAACGATCTCGTCAGCTAT
 AACGAGAAGCACAACGAAGCCAACGATGAGGGCAATCGTGACGGCGAGAACAACAACCGTTCTGGAAC
 GTGGTGTGGAAGGACCCACCACTTCGCGACGTGAACGAATTGAGGCATCGCCAGATGCGCAACATGTT
 CGCCACGTTGCTGCTTTCGCAAGGCATACCATGATCTGCGGCGGCGACGAGGTGTGCCGCACGCAGTTG
 GGCAACAACAATGCGTACTGCCAGGACAACGAATTGTCTTGACCCATTGGGACCTCAAAGACTACCAGC
 AGGACATGCTGGACTTCGTACGAAGCTCATCCATATACGACTCGAGCATCCTGTGCTGCATCGCCGGCG
 CTTCTTACCCGGGCGCAGCAGCGATATGCCGAGGATGCAGTGCCTCAGGTGGAATGGTTCGAGCATAAT
 GGCAAGATAATGGATGCCGAGGCTTGGTCAATACGCATGCCTCGTCCATCATGGTGTCTCAACGGCG
 GCGGAATGCCGGAGACGGATTGGTACGGCAACCGCATGGTGGACAATGATTTCACTGATTTTCAATGC
 CCATTACGAGCCGATCATGTTACGTTGCCAAGCGAGCAGTATGGGCGCAAATGGCGGCTCATCGTCGAC
 ACACACAATCCAAAGGGACCCGAGCTCAATTACGAGGCGGGATTCCGCCATCACGGCCCAGTCAAGATCGT
 TCCTCATGCTCATGAGCGACCGTAAAGCGGATCATAACCAGCGTTGAGATATGTTGCGTATGCGAGCGAA
 AAACCATTCGCATACGCAACACGCGTCGATATAAGGTCATTATGACCGTTGGGCCGGTACACCCTTCGAA
 TCGTTGCCCAATGCCGGGATCCTCGTCAAGCACGGTCTGGAATCCGTCTCCGCGGCGTCATCCAAAA
 CCTCATTGCGATCGAGCTCATCGAGCGAGACGGTCTGCCTGAGCAGCAACTGCTGCTGGATGCGGTCGGC
 CTCAATGGAGGCGATCTGCCGGGAGAACGATGAACCAGCCAAGGAACAGCATGGCGGCCAGCGCCTCC
 ACATTCGTGACGCTATTGTGACCTTTGAGCCACATGACACCCTCCACGGCGCAGACCACCAAGGCGAGAT
 CGGAAATGACGAAGAACGATCTCGACAGCTGCGGCGCCAGCCAAGGCAGTCTATGAGCATGACGAACAT
 CACGCACGGCATGCCACGGGCGAACACATTATGCAGAATCGGATGAGGGGTATAGCGGAAGCAGCCGATG
 CCGATGAAGCACACGCCACACAGCACAAGCAGTATGGACAAGGCGATGATGCGCGCCCTGAACCTCGGCA
 CATGGTATGAGAAATGCGGATTGCGCATGTGCACGGTGCCATGAGGACCCCTCACTCGGTAGGTGGCGAT
 GAGCTCGGAAACCGCGAAGTAACTGATGATGATGATGCAGATACCGCCAGAATGAGCGTCGAGTTGAAC
 ATACGGGCAGCAAAAGTGGTACGGTCAACCCAGTTGCGAGAAATTGTTATTGAACCAATAGGGGTCGTTGG
 TGGTGAACTTGCAGTGCAGACGCCTGAAATAATGAAGAAGGGCAGCAGTGACGCCAGTGCTTGGCATC
 CATCAATCCGCCTGCACAAAGGTGAGGTAACCGGATACCCGCGCGAAAGCCGCACATATGGCCGGAATA
 TAGGTGCTGAATACGTTTTGCCATGGCACCGTTTCATCACGTTGAACAGCATGTACGAGGTGAGGAAGA
 GCGTGGAGGCGTAGACGATGGAAGGGGCGAGCACCTCGAATATGCGGCGCAGATGGAACATCCAAATGCC
 ACGGAACGTGTTGTAACCTCGCGCCGAGGTATCCGGCGATGAACGAGGCCACACCGCATGCCGCCACG
 ATCCGGCGCAGACCATGAACCGGCGCTGTGAGATCTGCCAGAAGGCTGAAGCTGCCTGCATGTACCAAT
 ACATGCCGAATCCGCCTATGATGGCGCAAATCACGAATGAGATGAGGCCCGAGGCCTCTGCCGTTGATG

ACGTCCCATATCACCTCGATCTTCCGACACCCATTGTATGCACAATGTCAGACCCTGTGTTATAGTTAT
 TTCCTGTGCTTGACGGGCTTCTACGCCCCGAGAAGGCACATTCGGGCTGTGGCGCAGCTTGGTAGCGGT
 CTGCTTTGGGAGCAGAATGTCGCAGGTTCAAATCTGTGAGCCGACCTAGAACTCTGCAGTCGCCGTG
 AGTTTTCCATATGTCCCCCTCTTAGGAGCATTTTCACACGGTATTTCACTGGTAACGATACGATATGAGT
 ATGAGTGAACAGAACAACCATATGGAAGGCACCTGTGGCGACCGCGCCTATCGACGCCACGGTGACCA
 TTCCCGGATCCAAGTCGCTGTGGAACCGATTCTCATTCTGGCGGCACTATCTCGCAAGCCAGTGCGCAT
 CGAGGGTCTGCTCCGATCGCGTGACACTGAACTGATGATGGGGGCATTGAAGGCCTTGGGCGTGCCCTTC
 CAGGAAGACGCGACGGAACCCACCACTGTTACGGTGATACCCCCGCCGAAGGGTTCCTGGCAATACCG
 AGGTGTTTTGCGGCCTTGGGGCACCGTGATGCGATTCTGTGCCGCCGTTGACATTATCGCCAAGGGACC
 GGTGCGTTTTGATGGTGACGAGCAGGCCTACGCACGCCCCATGGGCCCCGGTGCTTGAGGGTATGCGGCAG
 CTGGGCGCTCGCATAGAGTTTGAAGGTGAGGAGGGGCATCTACCATTTACGGTGACGCCGCTGTGCAAC
 TGGGCAATCTCAAAGGCAAGCCACAGAAGGTGCGTATCGATTATCGGCTTCTCTCAGTTCATTTGGG
 ACTCTGCTCATTGGATCGCGGCTGCCTGATGGCTTGATTCTTGAGCATACCGGTGTGCAATTGCCAAGC
 ATGCCCCATATTCGATGACGATGGAAGACGTGGATGCAGCCGGAGGCCATATCGAAATGCCACAACGGG
 GCAGATGGATTGTGGACCATGCCGAATTGCAGATGGCGGCTCATGTGGTGGTGGAGCCGGACCTATCGAA
 TGCAGCACCATTCCTGGGTGCGGCATTGATCGCATCCGGCTCGGTGCGTATTCCGAAGTGGCCGGCACAC
 ACCACGCAGCCAGGTGGTTTCTGCCGCACATTCTGCATCGGTTCTGGTGCCTCCATCACTTTGGGGGGTG
 AACCCTTCAATGAGGTGAACGATTGCGAATGCTTCCCGATGATTACAACGGCATTGTTGGAAGTGAGCAG
 CGATGGTGAATCGAAGGTTTGGGGGAGTGCGACCTTTCGGCAATCGGTGAAATAACGCCGAGTATTGCC
 GCCATAGCCGTATTCGCGAACGCACCGAGTGTGCTGGTGGGCATCGGTACCTGAGAGGTCATGAGACGA
 ATCGTCTGGAGGCGTTGGCTACCGAGATCAATCGTGTGGGATCCGACGCTCAGGAGGAGGCGGAGGGCCT
 CTCCATAGCACCGGTTGCACGGGACCTGATGCACGGTGACGTGATGGAGACCTATGCCGACCACCGTATG
 GCCACCTTCGCCGCGATGCTCGGATTGGCGATTGATGGCATTGAAGTAACGAATGTGGAGACCACGCGCA
 AGACGATTCCGGATTTCTGTTGGTATGTGGAATGGCATGTTGCGCGGCAAGTGACAGTAGGCGCCCGGAAA
 AATGTGAGGGGCTGCAAGACGAACGGTCTTGACAGCCCTCACATTTTTTGTGGAGAATCAGATCTTGTG
 CCGTAGGTGTCTCCCGGCGGTGACGATCTCGTTGGCGCGCTGTGCGATGGCGAGCTCCTATTGGTGG
 GGTAGACGACGACGGTGACAGTGGAATCCGGCGTGAGATAATGCGCGGTTCTTGAACGGGTGTCGTT
 CTTGTCGTTGTGCGAGCTTGACACCGAACGGTGCCAGCTTCTCACACACCATGCGGCGAACGATTTCTGCG
 TTCTCGCCGACACCGGCGGTGAAGGTGAGCACATCGAGGCCGCCGAGCTGTGCGGTGTAGGCGCCGATGT
 AGCTGACGATGCGGTGCAGTAGATGTCGAGGGCGAGCTTGGCGTTCTCGTCGCCTTCCGCAACGAGGCG
 GTGCACTTCGCGCATGTCGCCGAAGCCGGTATGCCATCATGCCGGAATTCTTGTGAACAGGTGCTGCG
 AGCTCATCGACATTCATATCGGCATTGCGCATCAGGTGGAACACGGCGGCTGGATCGATGTCGCCCCGTT
 GGGAGCCCATGACGAGGCCTTCGAGCGGGGTGAGGCCCATGGAGGTCTCGATGGGGCGGCCGCCGAGTTC
 CGCGGAGGCGGAGGCGCCGTTGCCGATGTGCAGCACGATCTGCTTGAGGCCCTTGGCGGCCTCGGCGTCA
 ATGCCGAGGAATCTGGAATCTGGGAGGAGACGAACAGTGCGAGGTGCCGTGTGCGCCGTAACGCTTGA
 TCTTGTACTTGTGCGCGACTTCTTGTCAACGCATAGGTGCTCGATGCCTTCGGCAGCTGCTGGAAGAA
 GGAGGAGTGAAGACATAAACCTGCGGAATCTCAGGGAGCAGCTCGCGCATGACTCGCGCCCCCTTGGCC
 TCCGGGCGGTTGTGACGCGGAGCGAGCACAGCCAGCTCCTCGACCTTGGCAGTGGTGTGCGGGGTACCA
 AGGCAGGGTTGCGGAAGGTGTGCGCGCCCTGGACAACCTCGGTGCCGACGGCGATGATGCCGGTCTCTTC
 AAGGCTCGGGCCGTATTCTCGAAGAACCCGAGCACGCGCTTGAGGCCCTGCTCATGGTTTTGACCTTC
 TCGTCGAGCTCGTGCTTTTCGCCGTTGTATTCTGACTTGTAGTGGCCGTCAATCGGTTCCCGATCTTCT
 CGACGATACCCGATGCGATTCTTCGCCGACTCGAGATCTACCAGCTGGTACTTGATCGAGCTAGAACC
 CGAATTGATAACAAGGACGGTTTTGCCATTGTGGCATCCTCCATTGGTGATTGCTCTGCCGCTATGCGG
 CTTTCCAACACACAAGATTACTCAATGTTTGCTACAAAACGGTGAATGGGTGCCCTCTCGTTCTATATTT
 CGAAAAAGCACCCATCCACGTCATGAATTCGCGAGATGGTGTGGACTATTGTTACTTTGCGCTTCGATG
 GCGGTCAAGGCGATGGTATTGATGATGTCCTGCACCAAGGCGCCTCGGCTCAGGTGCTTGACAGGCCGGT
 TGAGCCCCCTGAAGCACCGGTCCGATCGCCACGGCGCCGAGGTGCGCTGCACTGCCTTGTAGCAGATGTT

CCCC GCATCGAGGTCCGGGAACACGAACACGGTGACATTGCCGGCAATCGGGTTGCCGAAGGCCTTGACC
 CTGGCAACCGTCTTCGACCAAGCGGCATCGAACTGGATGGGACCGACGATGGGTAGGTCCGGTCGTTTGT
 TCTGGGCGATCGAAGTGGCCTCGACTACCAGATCGACATCCGGTCCCTTACCGGAACCCAAGGTGGAGTA
 GGAGAGCAAACCGATTTTGGGATCGATGGAGAATGCCTTGGCGGTCTCGGCCGACTGGATGGCGATGTCG
 GCCAGCTGCTGCGGATCGGGATCGAGGTTGATGGCACAATCGGCAAATACCGACACATGGTCCTTGAGAC
 ACATGAGGAAGGCACCCGATACGGAGGAGACACCGGGTTTCGTCTTGATGAGCTGGAGCGCGGGGCGCAC
 GGTGTTGGCGGTGGAGCTGATGGCACCTGAGACCAGACCATCGGCCATGCCGAGCACGATGAGCATGGTG
 CCGAAGTAGTTCGTGTCCCTGAGTGTCTTCAGAGCCACATCGGGGGTCATGCCCTTCTTGCGCGCAATT
 CGCACAGTTTGGGCACCATGGTGTGAGCAGATGCTTGTCTGTCGATGGAGACGAACTTCGCCTGATCAAG
 CGCCTTGAGGCCGAGTTTTTCACCCCGGGCAAGAATCTCGTTGCGGTGCGCGATGATGACCAGATCGACC
 ACATTCGACTGCAGCAGGTAGTTCGCGGCGGTGATGATGCGGTGTCCTCTCCTTCCGGTAGCACAAATCG
 TCTTCTTGCTTTCTTCGCACGTGCGAGCAGATCGTACTGGAACGCGAATGGTGTGGTGGCGGTACGAA
 AGGTGTGTCAAGCACGTTGAGGAGTGATTCTTGTGACATGCTCGTGAAGGCATCGAGCGCGGCCTTG
 ACATTCGTGTGACGGAACCGAGTTCACGAGGGGAAGCGGCCACGTGCGCAGGTGCTAGCTCACGAATT
 CGTCGGTGAGTGTGGGCAGCGCCGAATTCGTGCAGTCGGTGATGAACACGCCGATCACTTGGGTGCCTGC
 GTTGGCGACCACCTCGCGGCATGCGTCTATGCTCTACGAATCTCGTCCGGCGTGCGTCCCATCGAGCTC
 ACTGAGAGCAGCACCGGAGACTGCAGGTGCGCGGAGACGTCCGCATTGAAGGTGAACCGTTCGGGATCGC
 CCACATTGGTGCGGTCTGATCCGACGATCACTCGGATCTGCGGATTGATCTCGGCATTCTGTGTCGATGAA
 TTTGGAGACGATCTGCTGGCGGGCATTGTCTTTGTCAAGACGTGCGTCATGCAGTGTGACGCCGACGGCC
 TGTTGCGCGCTCTGACGACGCTCACCACCGAGAGGAGTGCATCGGTGAGATTTTCGTCTGCCTGCACCG
 CCGTCTCGGAATATGCTGGTCTTCGCGGTGTGGGCGAGCATATCCACCACACCAATGCCACCACGTTCCG
 GCCGTCTCCAGTTTCGGGACTGATGATGCTCACGTTTTTGAAGGCTCACGATGACTCCTTTGAAATCGATG
 ATCTGCCTGACGTGCGACTGCGTTGTGCACGCAGACCATTGTAAGTGGGAAGGGGGCGTGGCAGACCGGT
 TATTTTGAATTGCCACGAGAATGTGACGCAGGTCACATTCTGTATGGGTATGGGATATTCGGCGTTGTG
 TGATGGATAGCAAATGGATAGCAAAAGGCCCGGTGCTGACACCCGGGCTTTCATCGGCTAAGCGATGA
 GACTATGCTCACTCGTTGTGCGCGCGGTGCGCGCGGTGGCGGAGAGCATGGAGGTCTGTCGACCTTGA
 CATCCGGGTACACCAATCGGTGAACTCAGGAATGTCATAGCCATTGTCGACGGCGAACTGGAACGCGGT
 CTTGCGGAACCTCGTTGAGCTCGTTGATCTTGTGCGGCATACTTGTGCGCGTCGATGAGCTCGAGGGCCTTG
 GCCTGAAGGGCGTAGCGATCCATGTGCTTGACACGCACCATGTGCAACGGCGTCGTGCTGGAGCCCTGCT
 CTTGTATCCGACAACGGTGAAGTTGTGCTGGTTTCGGGCGGTGCTAGATGAGGCCACGAACGTCCTGGGC
 ATAGGAGTGGTAGGCGAAGAGGACCGGCTTGTCCGCGGTGAACAGGTGCGCGAAGTCTCTGTCAGACATG
 GCCTCGTCGTTCTCCTTCGAGGACTGCAGCTTGATGAGGTCCACGACGTTGACGACCTTGAACCTTGATGC
 CCATCTTGTTGAGGGCATCGGAAGCGGCCATGATCTCCTGGGTGCGGACGTGCGCGGCGGCGGCGAGGAC
 AACCTGGACCTCGTCGTTGCTCTTGCGGTTGGAAGCCCACTTCCACTCGGCGGCACCAAGCCTCGAGCTCG
 GCGCGTGCCTCGTCGAGGGTGATCCACGTGCGGCGCGGTGCTTGCCGGCGAAGATTGCGTTGATCTTGT
 TGGTGGACTTGAAGCACTTCTCGGCATGGCCAGCAGCATGTTGGCATCGGTGCGGAAGTAGATGTTCTGT
 CACGTGGTGTGTTGAACGCTTGTTCAGCAGGACGAGGTACACCCGGATCCTGGTGCGAGAAGCCG
 TTGTGATCCTGACGCCACACGTGCGAGGAGACCAGGAGTTACCCGAGGAGATCGGCTTACGCCACGGGA
 TCTCGCGGACGGTGGCCTCGAGCCACTTCGATGCTGTTTACGATGGAGTCGATCACGTGCACGAAGGA
 CTCGTAGGAGCTCCAGATGCCGTGACGGCCGGTGAGCAGGTAGGCCTCGAGGAAGCCTTCGCACTGATGC
 TCGGAGAGCTGCTCGACAACCTGGCCGGTGACGGCCATGTTCTCGTCGACGAGAGCCGAGAGGTATCCGT
 TGTCCTACTGCTTCTTGGTGACCTCGTAGGTGCGTTTACAGCGGTTGGACGCGGTCTCGTCAGGTCCGAA
 GACGCGGAACGAATCCGGGTTGTTCTTGATGATGTCGCGGCAGTACGCGCCGAGGGAACGCGGAGCCTCG
 ACCTGGCCCCAACCGTGGCCGATTCCTTGACGCCGGTGATCTCGTACTGATCGAGCTCAGGGAGCTTCA
 GATCCTCGCGGATGCGGCGCGCGTTGGCATTGCGGTTGGCGCCGATGCGCAGTTGCGCCTTAGGCATGAA
 TGCGGTGACGTCTCTTGTGATGGAGCCGTGCGCGTTGAAGAGCTCCTCCGGCTGTAGGATTCCATCCAG
 CCCTTGAGGACTTCGAAGTGGGCCTCGGTGTGCGGGCGGAAGCCAGCGGGACCTGGTGTGCACGCCAGG

AGCCTTCGGTCTTCTTGCCGTCGATGAACTTCGGGCAGGTCCAGCCCTTCGGGGTGCGGAAGATGAGCAT
 CGGGTAGAACGGACGGGTCATGTCGTCGGTCTGAGCCGCAGCCTTGATATCGCAGATCTCGTCGAAGATG
 GTCTCGAAGAGCTCGGCGAAGCGACGGTGGATCGACAGGTGATCCTCGTTGTCGAAGCCGGCGACGAACT
 CGTACGGGTGGTAACCCATGCCGCGGAAGAAGTCGTGCAGCTCCTCGTCGGAGATGCGGGCGAGGATCGT
 CGGGTTGGCGATCTTGTAGCCGTTGAGGTGCAGGATCGGCAGGACGATGCCGTCGGTGC GCGGGTTGACG
 AGCTTGTTGGACTGCCAGCCGGTGGCCAGAGGGCCGGTCTCGGCTTCGCCGTCACCGATGATGCACGGGA
 CGAAGAGGCTCGGGTTGTCCATGATCGCGCCGTAGGCGTGCGACAGGGCGTAGCCCAGCTCGCCGCCTTC
 GTGGATGGAGCCCGCGTCTCCGAGCGAAGTGGGAAGGAATGCCACCCGGGTAGGAGAACTGGCGGAAG
 AACTTCTGCAGGCCAGCTTCGTCTTGGTGATGTTCCGGTAGTACTCGGTGTAGGTGCCGTCGATGTAGG
 ACTGAGCGGTACCTGCAGGGCCGCCGTGGCCAGGACCCATGATGAACACGGTGTTCTGCTGGTGATCGGC
 GATCAGGCGGTTGATGTGGGCGAGAAGGAAGTTACAGCCCCGGGTGGTGCCCCAGTGCCCGACCGAGACGG
 TGCTTCACGTCATCGCGGTGAAGGGCTCCTTCATCAGCGGGTTGCTACGCAGGTAGATCTGGCCGATAG
 ACATGTAGTTGGCGACGCGCCAGTACTTGCCATGCCTTCGATGGCCTCTTCGGAACCGGACGATCCAG
 CTTCTGCCATGGGGTACCAATAACAGGATTAGTCATGTGTGCTCCTGTACTCCTGCACATAAATGTGCGA
 TTTGTTTATTCCGTTGGGCACGGGCTTCGGCGCTGTCTGCAGGCCGGTCTCCGTGCCCGATCGCTGATT
 ATGTTACGCGAATACGCTGACCTTTTTGCAGTTTTTGAACAGTGTGAGCGAATCTGTGCGCATAATTTG
 CGAATTTGGGAGATTGCTCGGGCGATTGTGAAAATGGAAAATCAGTGAATAAAGGCGAGAAACGTTGAA
 ATACCAACGAATGCAAGCGTTTTTCGCCGTCGTTGTCGCGTGCGGTTTGTGAGGATATTGCGCGGCGTGTT
 GAAAACAAGCGAACAATCTGGAATACTTGTGATTGCAGTGCTTGAGCGCTTAAGACGACACCGATGCG
 ACCCGTGGCATGTGCGAATTTCAATGTCTACTTGCTGCGCACAATAGATGTGTTGTAATGCCCCGAGTAA
 TGAACCTATATATAAGGGGAGCGTAATGGCAGCAGGTCTGTCTTGTGCTTGATTTCGGAGCGCAGTAC
 GCGCAGCTCATCGCGCGCCGCTGCGCGAGGCGAACGTGTATTCCGAATTGGTGCCCTATTTCGATGCCGG
 TCGAGGAGATGCTGGCCAAGAAGCCGTCCGCGATCATACTGTACAGGCCGCCGGCGTCGGTGACGAACC
 CGGTGCTCCCACTTGACAAGAGCATCTTACGGCCGGAGTGCCGGTGCTTGGCATCTGCTATGGCTTC
 CAGGTGATGGCCCATGAGCTCGGCGGCGACGTCGACAAGGCGGCGCTCGGCGAGTACGGCAAGACGGAGG
 CGGTGGTGGACGATGCCACGGGCATTCTGCAGATTGCGCATCCCTGCAGACCACTTGGATGAGCCATGG
 TGTGCGCGTGAACAAGGCACCCGCCGATTGCAAGTACCGCGCATACCGAAGGGGCGCCGGTGCTGCG
 ATGGAGGATCCCTACGCAAACTCTACGGCGTGAGTGCCATCCTGAGGTCAAGCACACGCCGTTGGGAC
 AGGATCTGATCGAGAATTTCTGCATGATTGCGCCGGCATCGAAGCCGATTGGAACGCAAGGAACATCAT
 CGACGAGCAGGTGCTGCGATTCTGTGAGAAGGTCGGTGACGCACGGGTCATCTGTGGTCTGTCTGGTGGA
 GTCGATTGCGCCGTGGCTGCAGCGCTCGTGACCGCGCGATCGGTGACCAGCTCACCTGCGTGTTCTGTGG
 ATCAGGTCTGCTACGCAAGGGCGAGGCCGAGCAGGTCAAACATGATTCGTGCGGCGGACCGGCATCAA
 GCTCATCGCCGTCGATGCCTCCAAGGATTTCTCGATGCACTCAAGGGCGTCTCCGATCCTGAGACGAAG
 CGAAGATCATCGGCGAAAAATTCATCCGCACTTCGAGAAGGCGCAGCGCCAGGTGATAGAGGAGGCCG
 GTGCCCAGGGCAAGGAGGTCAAGTTCCTCGTGAGGGCACGCTTACCCGACGTCGTGCAATCCGGTGG
 CGGCGACGGCGCCTCGAACATCAAGTCGCATCATAACGTCGGTGGTTGCCTGACGACATCAAGTTGAA
 CTGATTGAGCCGCTCCGTTCTGCTGTTCAAAGACGAGGTGCGCGCCATCGGCACCGAACTCGGCTTGCCGG
 ACGAGATTGTCTGGCGTCAACGTTCCCCGGGCGGGTCTGGGCATCCGATCATCGGTGAGATCACGAA
 GGAACGTCTCGACTTGCTGCGTGATGCCGATGCGATTGCCGCGAGGAGCTCTCGAAGGCCGGTCTCGAC
 CGCGACATCTGGCAGTGCCCGGTCGTGCTGCTGCGCGACGTGCACTCCGTGCGCGTGCAAGGCGACGAAC
 GCACCTACGGTTCGCCGATCGTGCTGCGGCCGGTCAGCTCTGAGGACGCGATGACTGCCGACTGGTCGCG
 TGTGCCGTACGACGTGCTCGCCACCATCTCGACTCGCATCACGAACGAATGCCGTGAGATCAACCGCGTT
 GTGCTCGACTGCACGTGCAAGCCACCGGCGACAATCGAGTGGGAATAACTGACAAAACCGCAAAGCCTT
 GAAAACACTGGGGTCTTAAAGCGGAAACGGGGCATTTGATAGCAAATTGATAGCAGATACAAAACCGGA
 TTTACTTTGTTCACTCCCGTATAACGGGTGGCTTGCGGGTAAATCCTCCATATCCTAAGAAAAAGGTCTT
 GCTGACTTTCACCACTCGGCAAGACCTTTTTTGTATTTGTCTTTCTGTTTCTTCAATCCTTTATC
 AGAGCATCGCTTAATTCCTTCGAGGGGACTTTGGCCACCGCTGGGTGGTGTGCTACTTCGGGTAGTTGT

AGCGCCAGCGGTCATAGTCCTCCTTGGTGATCTCCCGGCCTCCAACTTCGCCGCTGTTCCCGCCACGC
 AATCAAGATTTTGTTCAGCTCACTGGCTTGACGGCCTCCCTGAAAAATATCTGCTTGACGGCAGGCACGT
 CCATCCGCCTCTACCACTTTAGACTGTAAACATCTCCAAGGCGAACAGCGTATGGGCCAAACCTATGT
 AGTTGTCTATGTCCGGGACGCTCAACGCCTGGGGCGATACATCTAAGGCAATACCGCACAGAAAAAAGT
 GCCATATATCGCCAAGTGTGATATAACAACTTATGGATAAACAGATGACGATTTCCGCATTACGCGACG
 AACTGGCACAGGTGCGGACGAAGAAAAAGCATTCTCGACCAGATTGAACGGATCGTCCCGTGGAAGGA
 ATGGCTTGCCATGATTCAGCCGTGCTATTACAAAGGAGAGCGCGGCAACAAACCTATCCGCTGGAGATC
 ATGCTCCGACTGTATCTGCTGCAAAACCTCTATGACCTGAGTGACGAGGCCACGGTGGCAGAAGCCATCG
 ACAGCCGCGCATTTTCGGAGTTCTGCGGCGTCGATTCCAGCAACCAGGTTCCGAACGGGGATACTCTTGG
 CCGGTTCCGGAACCTTGCTGATCAAGAACGGACTGCAGGAGAAGCTGTTGCTCAGGTGGTAGCAGCGCTC
 ATGGAACGTGGCCTCATTCTGAAAAAGGGCACCATTGTAGATTCCACCATCATTTCGCCCCCTCTTCTA
 CCAAGAATAAGGAAAAGAAACGGGATCCGGATGCCACCAAGTCAAGAAGGGCAACACCTGGCACTTTGG
 GTACAAAGCGCATATCGGCGTGGACAAGGACAGCGGACTGGTTCACACAGTGGAAGCTACACCGGCAAAT
 GTCCACGACGTTGCGGAAGTGCCGAAATTATTGACGGGAGAGGAAGAAACAGTCTATGGAGACAGCGGTT
 ATCTCGGCGCAGGTAAGCGCGAAGATGCCGTAGTCCGAAACAAAGCTGGCCGGAATAAAGTACAAGAT
 CAATCGTCGTCCATCGCAGATGAAGAACTGAGCAAAAGCGGGCAGTACGCAGCAAAGAAAGCGGAACGG
 GCGAAATCCTCAGTGCGAGCAAAAGTAGAGCATGTATTCCGTGTGCTTAAGAAGCAGCTGCGCTCCGAA
 AAACGCGATACCGAGGGCTTGAAAAGCAACAAGCCAAATTCAATATCATGTTTGCGTTGGCAAATCTGAT
 TCTGGCTGACAGACCTGTCTGGCAGCTTGAGTCAGTGCGCCTTGCGGACAAAAAATTCGGAGGTTATC
 CACAGTTTTTATTCGGCACCTGCTGTATAATGCGGATTGTGGCATTGTGCGGTGTTGCCTTAATAAAA
 CTATAATCAAATAGTGGGAACAAAGGATTATGATAGTCCCTTTGTAGGGGCTTAGTTTTTTGTACCCAA
 TTTAAGAATACTTTTGCTTATCAATTTTGACATATCCCCAAAAACAGCACTCACAAACAGGTGTATGCT
 GTATATGTGTATGTCCGCAAATTATCATCCCCAGTGGTAAAAGTATTTTACTGCTGGGGATTTTTATGCC
 CTTCCGGGGCAGTAAAGGGAGGACAATCACATGAAAATAATCAATATTGGAATTCTTGCCCATGTAGACGC
 TGGAAGACGACCTTGACGGAGAGCCTGCTATATGCCAGCGGAGCCATTCAGAACCGGGGAGCGTCGAA
 AAAGGGACAACGAGGACGGACACCATGCTTTTGAGCGGCAGCGTGCGGATTACCATTCAAGCGGCAGTCA
 CTTCTTCCAGTGCCACAGATGTAAAGTCAACATTGTGGATACGCCCGGCCACATGGATTTTTTGCGGA
 GGTGTACCGCTCTTTGGCTGTTTTAGATGGGGCCATCTTGGTGATCTCCGCTAAAGATGGCGTGACGGCC
 CAGACCCGTATTCTGTTCCATGCCCTGCGGAAAAATGAACATTCCACCGTTATCTTTATCAACAAGATCG
 ACCAGGCTGGCGTTGATTTGCAGAGCGTGTTTCACTGTTTCCGGGATAAGCTCTCCGCCGATATTATCAT
 CAAGCAGACGGTGTCGCTGTCCCCGAAATAGTCTGGAGGAAAAATACCGACATAGAAGCATGGGATGCG
 GTCATCGAAAATAACGATAAATTATTGGAAAAGTATATCGCAGGAGAACCAATCAGCCGGGAAAAAATTG
 TGCGGGAGGAACAGCGGCGGGTTCAAGACGCCTCCCTGTTCCCGGTCTATTATGGCAGCGCCAAAAAGGG
 CTTTGGCATTCAACCGTTGATGGATGCGGTGACAGGGCTGTTCCAACCGATTGGGGAACAGGGGAGCGCC
 GCCCTATGCGGCAGCGTTTTCAAGGTGGAGTATACAGATTGCGGCCAGCGCGTGTCTATCTACGGCTAT
 ACAGCGGAACGCTGCGCCTGCGGGATACGGTGGCCCTGGCCGGGAGAGAAAAGCTGAAAATCACAGAGAT
 GCGTATTCCATCCAAAGGGGAAATTGTTGCGACAGACACCGCTTATCCGGGTGAAATTGTTATCCTTCCC
 AGCGACAGCGTGAGGTTAAACGATGTATTAGGGGACCAACCCGGCTCCCTCGTAAAAGGTGGCGTGAGG
 ACCCCCTCCCATGCTGCGGACGTCGATTGCGCCGAAAACGGCAGCGCAAAGAGAACGGCTGCTGGACGC
 TCTTACGCAACTTGCGGATACTGACCCGCTTTTGCCTGCGAGGTGGATTCCATCACCCATGAGATCATT
 CTTTCTTTTTTGGGCCGGGTGCAGTTGGAGGTTGTTTCCGCTTTGCTGTGCGAAAAATACAAGCTTGAAA
 CAGTGGTAAAGGAACCCACCGTCATTTATATGGAGCGGCCGCTCAAAGCAGCCAGCCACACCATCCATAT
 CGAGGTGCCGCCAACCCGTTTTGGGCATCCATCGGACTGTCTGTTACACCACTCCCGCTTGGCTCCGGT
 GTACAATAACAAGAGCCGGGTTTCTGCTGGGATACTTGAACCAGAGTTTTCAAACGCTGTGAGGGATGGTA
 TCCGTTACGGGCTGGAGCAGGGCTTGTTCGGCTGGAACGTAACGGACTGTAAGATTGCTTTGAATACGG
 GCTTTATTACAGTCCGGTCAGCACGCCGGCGGACTTCCGCTCATTGGCCCCGATTGTATTGGAACAGGCA
 TTGAAGGAATCAGGGACGCAACTGCTGGAACCTTATCTCTCCTTACCCTCTATGCGCCCCGGGAATATC

TTCCAGGGCTTATCATGATGCACCGAAATACTGTGCCACCATCGAAACGGTCCAGGTAAAAAAGGATGA
 AGTTGTCTTTACTGGCGAGATTCGCGCCGCTGTATACAGGCATACCGTACTGATCTGGCCTTTACACC
 AACGGGCAGAGCGTATGCCTTACAGAACTGAAAGGGTATCAGGCCGCTGTCGGCAAGCCAGTCATCCAGC
 CCGCGCTCCAAACAGCCGCTGGACAAGGTGCGCCATATGTTAGTAAGATCACTTGATACACCACAGC
 GAGGAAGGTTATTGCATTTCCCTGTCTTTCGTGGTAAAATGTAGTTGTAAACCACCAGAGAAACCAATCT
 AATTTTACCGTTGATAGCCATTTCTTGATAGCCAAATGATAGCAAAAGTTTCGGCAAGCCCATAGGATAA
 GGATAATAGGTATCAGGAAAAATCAAATGATATCAAATCTCCAAACAAAAGCGTTTAGAATTAAGTTTC
 ATTTTGCGAATGGGAGTGACCCCGCCGATCATGCGACCATCGCTCCCATAGCGTCTTTCTTTCAGGTGG
 CGCCCGCCGAAGCCTATCTTCGGCGGGCGCCACCTGTCGTCGTTCTGCTATCCAGTATCCAGTTTCTTCT
 CATGGAAGGTGCCCCGGACGACGATTACGACGTGGACATCGATTGATGCGGGCTTCAAGGTGGGACGC
 CATGACGTGCAATCCATCCGAAGACCCGAACCGGGACGCCTCCCAAGGGGAGGGGGGAATGCGATCCGTA
 TCCGCTAGAAGCGCGCCCGAGTCGATAGGGCAAATCATGAACATGTGACCGGCACCGGAAAGTGACATA
 ATCCGATTGTCGGCAATGGGCTCGATATGGTATCAGCCGAGCAGCCAGTCGACGATATTGCGTATCTCAA
 TGCCGTCAGAGGTCGTGCCGAGACGGAATCTGTCGAGTGTGAGCACGATTTTCGGGAATGCATCCGATAA
 CGATTGCAAAGGCGCGAGTTCCCTCGCGCGGGTGGATTCTTCGAGCATCGTCCCGGTGACCTGAATGTAG
 ATTCTCCTGTGCAATCGTTGAGCGACGAAATCGATTTCACCTCCACGCAGACTGCCGACATGCACGTTGT
 ACCCGCGTCTGCGCAGCTCGTTGCGGACGACGTTCTCCAATTGGAATCCGTAGTTTGTGAGGAGAAACC
 ATTTGCGATGTTGCATAGTCCGGGGTCTTCGGCGTGGAACCTGCGATGTGTCACAAACCGCTGAAGGTGT
 CAGGTATAACTGACATTTCTCGGATTTCAAGATGGTTTGTGCGGTATAACTGACGGATCTGTTTGAGGGT
 GCATCCCGTAAGAAAGTGACGCCGGTAAGTGGATATAGAGGATATGGGGTATACGGTTGCAGGAAGCGAG
 TGAATGGGGTGTGATGATCGACAACCATGGATGCGGTTACGGGATACAGTGGTATGCGCCGTGTGCTTGT
 CATCGGATGTCCGGGTGCAGGCAAAAGCACGTTTCGCGCGCAGGTTGCGGGATGCGGCCGGACTGCCGCTG
 CATTATCTGGACATGCTGTGGCACAATCCGGACCGGACGACTGTCACACGGGCCGAATTCGATGAGCGGT
 TGCAAAGGATCCTCGAGGAGGATGCCTGGATCCTCGACGGCAATTCGCGCGGACGCTGCCGAAACGACT
 GGAATATTGCGACACCGTGTTCTTCTCGACTTCCCACCGACGATGTCTTGAGGGCGTCGAGGGATGT
 AGCGGTATGAAGCGCGAAGACATGCCGTGGGTGCAACACGAATTCGATGAGGAGTTCCGTCAGTACATCA
 TCGACTTTCCCGCTGAGCGGCGTCCGCAGATGGTTGACGCGCTTGAAGACGCCGCCGCGCGCCGCGGTGT
 GCGTGTCCATACCACATCCAAGGCAGAGCTGGTGCAAGCGCTCGCTGATGTTTTGAGTGGTCTTGAAGTG
 GGGCGGGCCAGAGCATGTCTGACGTTTCATCATGTACCGTTATGCGACATACTGGGCATCACGGTGAACGA
 ACTGCTTGGTGGGGGAGGAACTTACAAAAGTGGATTCCCGTCAGCTCCATCCTCCGTCGTCTCATCGTAT
 GCGAGCGCGAGGGCACCATCGTCTCCTCATGTGTATGCGTCATCATCCCGAATCTGACGCGGGGTGTGCG
 GCCATACGCGTTCTGTCGAGAACGTGTCGACGCGCGCCGATGCGCGTGGGCATGGTTATGCTACCGCATGT
 CTGAACCATGCGAAGGCGCTCGCGCAGCAGGCCGGGTGCTACAAGATGATGCTGCTACCGGCTCCCATG
 ATCCGAAGACACTCGATTTCTACCGCCACGCCGGGTACAGCAGCACCGACAAGACCGCGTTCATCCAGTG
 GCTGTAGGGCGCGTCCGTGTACGGTATCGCATCCACCACCGTCGATATCCGTTTGGCATCGCTCGACGG
 CGGGATGATGTGGCTGTCAACCGGAAGTGAACGTAGGATGCGCAGCTCCCGCTCTCTGCGCTCTTCAAGG
 CACGCGATATACCCCTCATATCCGCGCAACCCATGCGCTTCACCGTACCCTTGCTGTGTGGTAGTCGA
 TGACGGCATTGAGCCAACCATACCGCGTTCTGTCGAGGACACCGTCAATCGCCGATTTGCGGCCGGTTTC
 GTCAATGTAGATGACGACGGGATGCAGTGGCGCGATGATCGCCGCAATATCGCTGATGTACCGTCTGTGAC
 TCGTCTCTCGCTCATGCCGAACCGCATCATCGTCTCGACATCGGATTCTGCAGCAGGACGCAATTGAATA
 CATAGGTCGTATCAGGTTTCGGCGTGGGCTGCGAACGCGCGCCAAGTATCGAGTATCGTGGCGCGTTCACT
 TGCGAAATCAGGGAAGTCGTGGTCGCCGACATCGCGGGGATGGTCTGCGGCTCCTTCTTCGACGCAGACG
 ACGTTCCCTCCGCGCGCTTCCAATTCGGCGGCAACCATCGCAGCCGTCGTGCTTTTCCCGCTATCTGGCA
 GCCCTTCGACGATGATCAGACGGGTTGCGATCTCATATGTGCTCATGATGTCATGGTACGGCGAAGGATA
 TGTGGGATGTGAGATGTCCATGTATATAGGGTGATATAACCGAATATAAGGTGATATATAGTGATATAT
 CGAAATGAAACGATATACAACCTCGCTCGGGAGCATGTTGTGCTCTTTTATGAATTCATGATAGATCTGGA
 GGAATCGTTGTTTTGAGTCCATGGATGGTCGATGCGCTCAAGCGCATGTGCTGGTGCAGCTCGAACATAT

GAGGCCGGTGAATGATATGCCGATATGCCGCTTCTTACGCCTCAGCGGGTGTGGTGATGGATGGTCATGG
 AACTCCCGCATCTCCATATTGATGAATCTGCTGATTATCTCGCGATAGATCGCCTCAACCACATCCGGAT
 TCGCGCCGCAACGCTCGGCCTTACCTCGCACCTTCGCGATGACCCGCTCCATACGGTTGGTGTCACGTAC
 GCCTTCCTCATCTTTCTTGAATGCCGATGCTTGACGCGCATATTGGCCTCGTCCACCGATCAATGCGATG
 GTCTGGTCATCGATGGCGTCGATGTGCGAACGCACTTCGTCCAGACTGTTGCACTGCACGGCGGTCTCCT
 CTTATAAGTGGGGATTACGGAAGATACAACAAAACATGCCGATATGGATTGCTATTGATACCATAACCT
 TATGCAACGAGCACAAGCAGAGACGCTTCGATGCTCTGGGGAACAGTTCATTGGGCTCACACGCGATGAA
 TGTGCGCGCGGTATGGCATGCTCCTTGGCGCGGTTACTGCGCGCATCCTTGAAACCGGCAACCCATACT
 ATGGTGCTGAATCATGACTAGTCCAAGCATTCTTCTGATGATCCGTCGTTGTGCATTCTCCCATGGAA
 TCCGACGATGAAAACGAGCTGAACAGCCAGACCGCGCATAACCGAGCCATGGTCGAGTATTCCGCGCGCT
 GCGGTTGTTTCCACTGCGGTGGCATATTGCGAGGGAACGAAGTTGCACAATGGCTGCAGGAGGACGACGG
 CGAGGACACTGCGTTGTGCCCATTGTGGCGTCGATGCAGTGATTGTGGGCAATGAACAATACCCGGTA
 TGCATGATGGTGCTGAGCAAATGTATATGCATTGTTTGGCAAGGAATATAGGCAACGTCTTGAGGCTG
 CCACTGATATGCCACATGTGGCAGTCACGGGGATTATCTGCGCAAGGGCCTTCTTCTTTGACGAATCA
 CGACAGGAAAATCACGGTGGTCGGGGAGATCGAACTGTTCCATTGTCCGTGTATGACAGGGCAGAGGAA
 CTGTGCAATGAGAGCCATCCTCCAGACCGGTTGAATATGATGACGTGGACGTCTACATGGGCGGCGTGG
 TGACCGTGCATGCGGGATTTCGATGAACACGGATATTATTACTGTGATTCATCACCGGCAGTGCGTCAA
 GCTGCCTTACGATGCTTGAACGACGTACAGCAGGATCTGGTGTTGAATCTCAGCAGACAATATGGCGAT
 GCGCTGCGCGGAATCATCACTGATTGATTGATGCATCACATGCGATTGTTGATTGATGTGGATGTAGCGG
 AATGATTAGAGCCCATGTTGTGTCGCCCATGTGGCAAGCTGCGCATGGAGCTGTGTCTTGGCGTATCCG
 AGGCGAACGATGCGTCGATGGAGTTCTTGGCGAGCGATGCCAATTCCTCCATCGACATACCGATGTGCGC
 GAGCGCGGCATAGTTCGCCGCGGCATAGCCTCCGAAATATGCGGGGTATCCGAGTTGATCGTGATACG
 ACCCTTCATGCAGGAATCTGGGAATCGGATGCTCGCGCATGTCGTGTACGACCTGCAGCCTGAGGTTGG
 ACAACGGGCAGCAGGTGAGCGGAACGCCGTGCGTGCGACGCGCTCGAGCAGCTCGCGGTGCTTGAAT
 GTGGATGCCGTGGTCGATGCGCTCGGCGTGACGAGATTGAGCGCATCGCGGATATACGCCGCCGGGCC
 TCCTCGCCGCGGTGCGCCACGCAATGCCAGCCAAAGTCCCTTGCCGCGCGAACTGATCGATGAATTCGG
 CCGGTGGGTAGCCGACTTCCGCCGAATCGAGCCGATGCCGAGAATCTCGGTTTTTTCGCGGCGCCGCCAT
 GTCGAGGATCCGGTTCGCCGAATCGATATCCATGTCGCGTACGATGCTCAGAATCAGACCGCCGCTGATG
 TCGAAGCGCTCCCGTCCGATTTCCAATCCCTCAAGAAGGCCGTGAGCACCATGTCGAAATCCAATCCGT
 TCGTGACACATGCACTTGGGATCGAAGAAGATCTCCGCATGCCTTACCCGTTGCGATTGCCCCGTGT
 GAGATAGGCGAGCATGAGATCCTTAAATCGTCCTTGGTCTTCAGCGTCTTCATCAGCGCATAGTAGAGC
 TCGAGGAACGACTGCAGATTCTGAATTCATACTGCGCTCGCAGGCCGTGATATCCGTCCACGGCAATG
 TCACTCCATTGCGGTCCGCCAGCGTCAGTGCAAGCTCCGGTTCGAGCGTTCCCTCGATATGCAGATGCAG
 TTCGTTTTTCGGCATCGTCTCCAGTGCCTGCCTGATTTTCCCGTCCACCATGTTCTCGTTCATTGCGA
 TATCGGTTTCCAATATTCTACCCACTCCATGTTGTGCCGGGGCGCGTTTCCAGACGGATTTGGTGGATTTG
 ATGAGTCCTGTGACAATCGAGGCGATTGCGCAGAGGAAACCGCCGATACCCAGGACATCCAGAACATGC
 CGTGCGGTCCACCGTCAAAGCAGAACAGCAACGTGAGGCCGACTATGGGGCCGTGATCATGATGATGCC
 GCATACCGCTCCGTTCCCTTGTGCTAGATTGACTCCGTCCATTCTCCTGCACGTGTTGCTCCTCCGAT
 TCCTTGTTGTAGTCGGCGATGTCGAGCCGCCATACTGCATGCCGCCGAATACGATGCACCACACGCCGA
 CCGCGACGAACATGAGGAGCGCCGTACTGGGCCAGCCCTCGTCTACGTGGAGCGTCTCATCGGCCATAC
 GTTGACGGCGATGCCGGCCATGATGAGCGCGATGCCTGCGATCAGTGCGATCGCGAGCACCTTGGGGCG
 GCGGCACGGTCCGACTCGGTATAGAAGTCTCAACATAGGGATGCTGACGTTTGAACGCGCTGTGTGCCA
 GACCGGCGGGAATGAGCAGGGCGAGACCGACGAGCGTGCCTATGGCGATGCACAGGAACATCGCCACCTC
 ATTCGCATCGCTGTTGCCAGAATCGAATTGTCCGAATCGAACAGGTTGCCGATGCTGACGCCGAAGATG
 ATGGCTGACACTCCCGTGGGAATCATCAGGTGCAATTTGCGCATGTGCTCCTCGTAGCCGGTGATGTCCT
 GAGGCAACGCCGACCTTCCATCTCAGGCATCGGTGCTTTTGGGAGCCCATCCTCGACATGATTGCCGA
 CATGGCAATTCCATTGCGCACGTACCCATGACCAGATCATCGAGACTCACGCCGAACATATCGCATAGC

ATGAGCAGCTTGTCCATTTGCGGGTACGCCTTCTCGCTTTCCCACTTGCTCACGGATTGTCGTGACACGC
 CAATCAGCATTGCCAGCTGCTCCTGCGTCATATTGTGCGATCCACGCAGATACTGCAGATTGTCTTTGAA
 GCCCATGGTCTGTCTTTTCTTCGCGCCTACTCGTTTCGGCAACCGTCGCGGGTGCCGATGCCCTAC
 TATGCCCGAAATGCGGAAAGCGCGCCACCAACTGCGGTTGCATTTGCTCCGACAACCGGCGATCTGATG
 TCAACTTGCGGTTGCATTGCTGGAATTCCAATGATTGTTACGTCTTTCATCATCGTGTCCACATCTCGT
 CATATGGAATGTCGCGCAATATGTCTGTGAACATGCCTGTGAGCCAACACGACAGAGATATGCACTGTTC
 TATCTGTTATATACTGTTATATATCGAGCTTGGACACATTGTATTCTCGCGTTCGAAAGGAGGGGAGATG
 CAGCTTCTGATCAGTACCACGTCGATGACGCCAATCTATGAACAGATTGTCGATCAGATTCTGTGCACTCA
 TCAAAGAGGGGAGACTCAAGGCAGGGGAGCCGCTGGATTTCGTTTCGCTCCCTCGCTCGTACCTGCAGAAAT
 CTCCGCACTGACGGTGAAGAAAGCGTACGACGTGCTTGAACGGGAGGGAGTCTGTCGTACCGTTCAGGGC
 AAGGGCAGCTTTGTGCGCGAGATCTCGCCGAACATCGTCGCCGAGGAGTCAACCGCCAGGTGAGGAGC
 AATTCGCGCAGGCTATCGCCAAAGCCCGCGGCTTGGGCTGACCCGCGAGGAGATCCTCGAGCTTGTCTGT
 CATGCTGCTTGAAGACACCTCCGCGGATTTCGGGCGACGCCCCGAAGGGACTGAAGGAGCATCATGAAGA
 TTGCACTTGACCATGTGACGAAGCACTACCCGGATTTCGACCTCGACGTGACGATGGAGGTGCCGGACGA
 CACCATCACCGCTCTCATCGGTACCAACGGCTCCGGCAAGACCACCACATTTCAGGCTCATGCTCGGACTT
 GCGAGGCCGGCTGGAGGGGAGGGGATCATTCTCGGTGATCCCATCCGCCGGGTGTGGGTGAACGCGAAAT
 CGCGCACCGGCGTCACCTTCGGCGACAGCACGTTCTGTGCCGACCTTCACGCTGAACGATGAGATCGCCGA
 ACGCAAACGCTTCTATACGACATTCGACGAACAATGGTGCAGGGCACAGCTGCAGAGGTTACGCTTCCG
 CTGAACCAGCAGATTAGGAATTCTCCGCGGGCATGCTTGCCGAATGCAAAACGATCATGGCAATGGCAC
 ATCACCCCGAACCCTGATCCTCGATGAGCCGACGGCCGGTCTGGACGTATCGCCCGTAACGAAGTGCT
 CGACCTGCTCCGCGAATACATGGAGATCCAGGCCGTTCAATGCTCATCAGCTCGCACGTGCCACCGAC
 CTGGAGAATCTGTGCGACGACCTCTACCTCATTGACCGCGGCCGAATCCGCATGCACGAGACCATCGATG
 CATTGCACGATGAATATGCGGTGCTCACGCTCACCGACGATCAGATGTCAGCTGCAGACCCACGGTACAT
 ACTCGTCAAACAGCGCACGGCCGGCGGCTGGAAAGCCATTACCGACGAACGCGGATTCTATGAGGAGAAC
 TTGCCCGGAGTGGGGATCTGTGGGGCGAGCATCGATGAGATCATCACGCTGATGAGTGCCGACCCGCGAA
 CCACAACGATGCAGGAAAGGACAATGCAATGAAAGGTCTGTTCTGTCAGAGACGCAATCTGGCTTGGCAAG
 CAACGCATGCTGCTGGTGTGCATGCTGGCGTTGACCGTGTCTACCTATTCTCCGACCTCCATGCATTCTG
 GTGTGGCATTCTGCCGCTCATGCTGGCAATGCTGGTATGCAGGACAGTGCAGAACGACGTGTACGGGGC
 ATGTGCGGCGCATGTTCTTCACGATGCCATTTAATACCCGTGATTATCTCATCGAGAAATACTGTGGCGCC
 ATCATCCCTCCGATGCTCCTGTGCTTGTGCTCATGGCCCTTGGCACATTGAGCCCGCAGATGGCATGGA
 ATCAGGTGCTGTTGCCTTGGTGTGCTGCTGGCGACGGTGTGCGGTGACGGTGCCGTTGAAATCCCTAT
 CATTCTCGCTTCCGTGACCGTGCCGCGGTGATGCGCATCGTGGCGATGGCCGTATCTTTACGATATGC
 GTACTCGTCTTCCGTACAAACAATCAGGACATCCTTGTGCGCCTGACCTCCATTCCGGACGGCCTGC
 TGATGCTGATTGGCGGTGTTGTCTGCTTGGTGTGCACGGCCGCATCAGGGTCGATATCCCATCGCCTACT
 CAGCAGAGCCGAATGGTGATTGTGCGGAGACTGTGGTTGTGATGCAGACACCATCATGCACACAGGGGCAT
 GAGGGGCTTATCATGGCATGGGGCATGCCTGGGAGGCGGCTTGGGTATGCTCGGCACCACTGTGACGCTC
 TACAATACTCTCGACGAACTCGGCATCGACTACACCGAAGTCACACACCCCGCGGTTACGACAATGGAGG
 CCGCACAATTCTGAGAACGCTCATCGACGGCACCCCGATCAAGAATCTATTCTCACCAATCGAAAAGG
 AAATACTATCTCGTGCTGATGAGCGAGGATCGGCGAGCGGATCTCAAGGCTCTCGCACAGATCATCGGT
 ACGGGCCGGCTCTCATTTGCGAATGCCGACGATCTGCGGCGCGTATTGAACCTCGAACCCGGATCGGTGA
 CTCCGCTCGCACTCATCAACGATGCCGACCAACAGGTCGAGGTGCTGGTGTGATACTGCGCTCGCAGGACA
 GCGTCTGCTCATGCATCCGAATACGAACACGAAGGCGATGAGTCCCGAATACGGGGATCTGCTCAGGTTT
 ATTGGGCACACGGGCCACGGTTACAGGTTCTAAGCCGCGCAATTCTTCGGAGCTGCCAGGTATGCGG
 ATTACGACCGGGTTGGCATCCACGCACCTCGATGCTGAAATGGATTGTAATCGTCATGTACAGAGAAT
 GTTCTCTCTTGGCTATCGTGCTCATGTCCATGTCTGCATGACGATGAGGGAACGGAGGGCATATGAGGC
 CAGTAGTCGCGGTGATGCCGTTGGTGGATGACGAACGGGAGAGCCTATGGATGCTTCCCGGGTACATGAA
 TGCATTGCGTGAGGCCGGTGCAGTGCCGTTTCATGCCTGCATTGACGACCGATCGACAGGAGATCGGGCAG

ATCTTCGGCATGTGCGACGGCCTTGTGATGACTGGTGGGCATGACGTGAATCCGGCATGCTACGGTGAAT
 CGGACCGATACGGCAATCTGCACTGCTGCGATGCGCGGGATGAGATGGAACTCGCGTTGCTTGAACGTGC
 CGTTGCAAGCGACAAACCGGTGCTCGGCATATGCCGTGGTCTGCAGATCATGAACATCTTCTGCGGAGGG
 ACGCTGTATCAGGATCTGCCGAGCGAACATCCCAGCGACGTCGATCATCATCAGACCCACCCTATGGTC
 GGCCGGCCACCATGTGCACATTCTAAGCAGGACGCCCCTGCGAGAAGATTTACACGACACCGACCTTGC
 GGTCAACAGCCGGCATCATCAGGCCATCTGCAAGCTGGGCGAGGGGTTGGATCCGATGGCGATCAGCGAG
 GATGGTCTCGTGGAAGCGATCTACAGGCCTCGAAGTGCAATTCTATCGTGCTGTGCAATGGCATCCTGAAC
 ATCTATATAAAGTAGACGAACCAAACAGGTGCATATTCGGCTCCTTCGTGAACGCCTGCACACTCCGAGA
 TTGAATGTGGCAGTGCGCGGGCCAATCCAATATGCCACAAGCTACGGGCGTATTGGATGTAAATGTCGTT
 AGCATGGAGGCAACAGGACACGGCAACTGACGACACCTACGGACGCGAACGGATATGGCGATAGACAAAC
 CAAACCATGAGACCATGTTGCAATGCTTGAATGGTACCTGCCCCGAAAGCCACAACCTATGGAGATGGCT
 CTCATCGCAGGCGCCGAGCGTGGCCCATGCCGATTACACACAGCTTGGCTTCCACCTGCGTACAAGGGG
 CAGGCCGGCGATTGAGACGTGGGATATGGCGTCTATGACATGTACGATCTTGAGAGTTGATGCCAAAG
 GCTCTGTTCCACCAAATACGGCTCCCGCATGGAGTACCTTCAGGCGATTGCGCGATGCAGGGCAATGG
 TGTTCTGTATTGCGGACATCGTGTCAACCACCGCATGGGTGCCGATGGAACGGAACCCGTGCGCACA
 CATGAAGTGAATGTGGACGACCGCACGAGAAGCGACTCCACCGTGGTGAACGACCTTGAACACCGTAT
 ACGATTTCCCGAACGCGGGCGGCGTGTATTGACATTCAAATGGAAGTGGAGCGATTTACCGGCACCGA
 TTACACGACCGATGATGGCACGACGGGCATCATGCGTTTCGACGGCAAGCAGTGGAGCGACAATGTGAGC
 CATGAACGCGGCAACTTCGATTACATCATGGGAGATGACGTCGATGTCAACGAACCTGAGGTCGCCAGAG
 AGCTTACGGATTGGGGCATATGGTATACGACGACCACAGGAGTGGACGGCTTCCGGCTCGATGCGGTGAA
 AAGCATCGACGCCGATTCTTCGCGCCATGGTTGCGCACGATGCAACGATACGGCAATCATCCCGGCATT
 GCCGTGGGTGAGTACTGGTCGGGTGACGCGAGCGAGCTGACCTCGTACCTGCATGATTGCAACCATTGCA
 TGATGCTGTTGATGTCGCGCTCCATTTCCGCTTCGAACAGGCCTCAAAGAACCCAGAGGGGATTGATCT
 GCGGGGACTTGCCGACACACGCTGTATGAGCGTGAACCGACGTATGCATGCACCTTCGTGGACAACCAT
 GACACACAACCCGGTCAGGCGCTCGAATCCTGGGTGAACCATGGTTCAAACCGTTGGCGTACGCATGCA
 TTCTGCTACGCGACAACGTGTTGCCTGCGTGTCTTCGCGGATTACTACGGCGTACCCACGATCTCAT
 CCCGCCAATGAGGTTCTGCCGACATGGTGTGGATCCGCGCGCATCTGCTGGGGGATCAGGTGGAGGCG
 CAGCCAGGCGATACCGCCCATTCGCTGTGCTGGGTGGTGAAGGAAATCACCCGGTGTGCGTGGTGCTCA
 ACACCGGGAGCAGCGAGGTCCATCGACAGGTTGCAATGCGGCGCTCGCTCGCACACGCTTATCGACGT
 ATGCCATCCTGATGCCCCGGCGACGACTGACACGCAGGGGAGGGCATGATGCGATGCCCTCCGCGGTCA
 TGCGCCATCTATATTGATGCGGACGATTATGGGGTGTGTTGGAAGCGTTGTCCGGCACGCCCCGAGCTG
 GGACTGTATGCGCCTGAGAGCATAGGTGCGCCACAAGCGGAGTCTATGCCTCTAGACTAAGAATAACCGG
 CCAGCTATGCGCTAATGTCTGTAGAGGTTGACACCGGGGAGGAGAGGGAGACAATGACGAAGCAACACAA
 GGGCGGTGCAGATTACCAAGTGTCTCCCGATACGCGAGAATCCAGGAAGCGGAACAGGGGCACAGGATGGT
 TTGGCAGCACACGCCCACAATGCGGCAATACGCGCACAAGTCCACCGGATGCAGGCGATAGCCGAGGAGG
 ATGACCGCTTCGGCTATGACAGGCATGCGACCAACCGGGCCCTGAGCATCGCAAATGGTGTGACCGTCAT
 CATTCTCGGATTGCGCCTTGAAGCTTCTGACGGCATTGCCGGAACGCAACACCGCCGACGTGCAGGAG
 GTGGTCAAAGGGCTCGATCGGCTGATTGGCCTCATGACCAAGGAATTGGTGGAGCTGCCGCATATCCAGC
 GGCATCCGGAATCGTTCAATTGCGGAAATCGTTGGAATCCTGATCGGTTACACGATTCTCAAGCATGCGCA
 TGAGGACAGCCGGAATACGACGCCGATTCAATCGGATCGAGCAGTTCTACACAGTGTGCGAGAGGCGC
 CGGGGGTGGATTGCTGCGGGGTTCTGGTGGTTCTGGGCACCGTGGTGATTCTCGTCACCCATGGCCTGC
 TGCTGGCTTACGGTCATGGCATGGGTGACGGCATCGCCGCCGGCATTGCGCAGACCAGCATCGCGGCGGG
 GGTGTGGTGTATGTGTATGGGGGTCTGTACGCAACGCGCACCGATCTGTTCTCTATAATTTCCGTGCG
 TTGCGCCAAGTCAACGTCTACGAGCTGGGGAAAAGCGAAAGCGATGCGCGCCGTGAGATGAGACTCGGAG
 AGAAGAGGCTATGCGACTTATCGTCGTCGCTACCAACTTCACCGTGGCCATCGGTGTGCTCGGAGCGCT
 GGGGCTTTACTTCTGCCACCTTCCGTTACAGTACTTCTGGCTTCCACTCGTTGTGATGATCGGCATC
 GCTTTGTGATGCGGTGGTTCTGATCCGCTATGCGCGGCGGCGGTACGAACCTGATTTGATTAGTTTC

CCATATACGCCGCGGCGCCGGCGAGCAGGCGCGCCGTGCCGCCGATGACCAGATCGGCGCGGGTGCCGAG
 ATTCATGCGTACGAACCGGGATCCGTTTTCCGCATAGATGCCGCCATACGAGAGCACAAGACCGGTATGT
 GAGCGCAGAAAACCGCAGAAGCGCTCAGCATTGGCGTCACCCACACGATCAAGAAGGCCCCGAGCAGTCGA
 TCCATGCCAGATACGTGGAATCCGAGGCCACCATATGCAGCATGTCATGTGCATGCTCGTCAAGTTGCGT
 CGACACGTAGTCCTTGTGCGCTGCAGGACACGGCACAGATCGTCGAGCCATGCGCCTCCATCTGCATAG
 GCGGCGATTGTGGAGAACACGGCGAAATCGTTCGGCCCCGGCCACCTCGTCGGTGTTACGCCGCGCACGG
 CACGTGCCCGGAGACCGTCATCGTCGAGATGAAATATGCGGACTGCAGTCCGGCCACATTGAAGGCCTT
 CGATGGCGACGAGCAGGTCACGCAGATTGAACGGTTCAGCTCGTTGACCGCGGCGAATGGCATATGGGTG
 ACGCCCCGGGCGCACGATGTCGCCATGCACCTCATCGGGAACAACCGTCAATGGTGCTTTGCACACAGTT
 CCCCTACGCGCGCCAGATCGCTGTCGCTCCACACGTTGCCACTCGGATTCTGCGGATTGCGCAGAATCAT
 CAGACGGGTGAGCGGATCGGCGAGCTTGCCTCCGAGATCTTCGAAATCCATCGAGCACACACCATGCTCG
 TATCGCAGCGGATTGTTCACTACACGACGTACGTTGTTCACTAGCGAATTCGTGAAGATGTTATAGACCG
 GCGGTTGGAGCACGACCTTCTCAGCCACATTCGTCAGCGAGCGCACCAGCGAGGAGATCGCCGGAATCAC
 ACCGGTGGTGAACACCACATGCTCAGAATCCACCGTCACGCCATACTGGCGTAGCGACCAATCCGCGACC
 GCTTCGGTCCATTCCCGGGGAACATCCGCCGAAGGTGCCGTTGCCACGCGTTCAGCCAATGCCTCGCTG
 ATCGCCGGAGCCGTGCGGAAATCCATGTCCGCCACCCACATCGGCAACTCCCCATCGGCCACGTCCCATT
 TCATCGAGAAGATGCCCCTGCGGTGCGACAGGGGAGTCAATTGTGCAATGCGCTCGTCAATGTCCATGTT
 GTGCCTCGCTGCTCCGTGAATCATAGGTCTGTGCTGATGAGCTGGATCTTCGTCGTGTCTATCGCGGGT
 CGTTCTGCAGGACGTCGCCGAATGCGGCAGCGCGAATCACGCCGGAATCGGGTTGACCACGCTGTCGAT
 GCGTGTGGTGACGTCGGCGTCGATGTCGGAACAGTATTCGAACGAGCGCGTCTGTGTTGATCAGACGGCAG
 TCTCGCATCGTCAGCCCGTCAATGTAGCACAGTCCCTGCAGCGATTTCGATGGTGCAAGTTCTCGAATGTGA
 TGTTCTTCGTGTTCCATGCCAAATACTCCCCGCTGATGAACGAGTTGCGCACCGTGACATTCTCGCAGTT
 CCAGAAGGCATCCTTCGAAATCAGACGGGCATGATCCACCGTCACGTTCCGTGCGCCGTGAAACAGTAA
 TTGCCGGTGAGCTGAAAATCGCGTATGTCCAGATTCTCACTGTTTCATGGCAAAGTAGTCGCCGGCGGCGC
 TCACTTCGCGCAATGTGACCTTCTGCAATCCAGAAAGGTCTCCGCGGCATCAGTGAATGCGGTGCGCTC
 CACGGTCACATGCTCATTGCGACGGAATTCCTTGGGTGCCTGGATGGTGCAGTCGTGGAACGTATGTTT
 TTCGAGTACCAGAACGCCGCGTGGGCATTGAATTCGAACAGACTGTGCTCCACCTCGACGCCCTCGCTGT
 ACCACAGCGGATACTTCAGCGGAACACCGAATCCCTGACCACGATGTTGCGTGATTCTTGAGCGGCGA
 CTCGCCGTCTTCGAACACGCAATCCGTGATCTGAAGATCACGACCTTGGAACAGTGCGCGTTACCACTG
 AGCAGCTGTTGCGTAATCGCTTGCATAGCATCTTTTCAGACTCGTGATCTCATACAATACGCGTGCGGC
 ACTTGCGGATTCTCGATTTCGTGCTGCGCTATTTCGAAGTTGGCATCATCGGCATGCGTGTGGGGAATG
 GCATATGCAATCTTCGCCGTGTGAAATGCGAGGGGCGGACGGCATTACACCGTCGGCCCCCTCGCATTCA
 TCCGGATTCTTCGGATTCCGTTCACTTCGGTTGGTTCGAGGAGTAGCCAGGAAACGGTCTCTCGTCTCG
 GAGGACGAGATTGAGCACCACAGCCACCACAAATGCCACGGCGATGCAGTTCTGCGCGAAGATCGACTGG
 AACAGCGGCGGGAATGCACGAAGATGCTGGAGACCTGCGTGAAACCGATGCCTATGGTGAGGGAGAGCG
 CGGCGATCGTGATGTTGCGCTGGGTGTATCCGGCATCGGAGATCATTTGGAAGCCGAGAGAATGATGTT
 GCCGAACATCATGATCGTGACCCGCCGAGACCCGCTGCGGCATGGAATTGAACACCTCGGATATGGCT
 GGCACGAAGCTGGCGAGTACGAGGAGCAGGCCGCCGGAAGAATCACCTTGGCGTTGACCACTTTCGTCA
 TTGCCACGAGACCGATGTTCTGTGCGAAGGAGGTGAGCGGCAGGCAGCCGAAGAGACCGGAGACGGACGA
 GATGAGGCCATCGCCGCAATCGCGCCGGATGTCTCCTTTCAGTTCGGCTTGGGTGCGAGCCCCGACCTTG
 GTCAGGGCTGCCGTGTCTCCGAGCACCTCCACTGAGGAAACGATGTACAGCAACCCGATCGAGATGATGG
 AGCCCCAGTCGAATCAGGCCTGAACGGCATGAATGTGGGTACGTTGACCGCTGCAGGTGCGAGAAGCC
 GGAGAAGTCGACCTTGCCGAAGAAGATGGCCACGATATAGCCGACCACAGTCCGAACAGCACCGAAAGC
 TGCTTGGCGGTTCCCTTCATGAACAGTTGGAACGCCAGACATGCCACCAAGTGAAGTGAAGGCCGAGAGTGA
 GATTCTGCCAGCTGCCGAAATCCTCGGCACCCGCTCCGCCGCCGAAGCTCTCGGCTCCACCGACAACAA
 TGAGAATCCGATCGAAGTGACCACGATAGCCGAGACGATGGGTGGCACAACACGCTGCCAGTACCTGGCG
 GTCAGACCGAGCACCACTCGAGCAGACCGCCGACCATGACGCGCGCCGACCACGGCACCGTAGCCCTTGT

GGCTCACAATGGAGATGGCGGCGGCGACGTAGGTGAAGGAGATGCCGGTGACCATTGGCAATCTGGAGCC
 GAACAGCCAGATGCCGTATAGCTGCAGGCATGTGCCAGACCTGCGACGAGCAGGCCGGCCTGAATGATC
 TTGGCGGAGTCTGCGGGCTCATATGCCGGCGGCTGCGACCAGGAAGATCGGTGCCAGATTCGCCACGA
 ACATGGCAAGCACATGCTGCAGGCCGAACGGGATGCCCTCCAGAACGAGACGGGCGCGTCGAGACTGGA
 CAGCGCTTGAAGGAGATGGACCCCTTCTCTTTCTCGGCGACTTCCGCTTGGATTACGCTCGTCG
 CGCTTCAGCTCGGGGGTGACGAATGTGCGTTCTGATCTTCATCCGAGCGCATGTTGGCGTCGGATGCGG
 TGGGGTTGGCGTTGTTGCTCATTCTCTGCGTTTCTCTTTCTTCTATTGCTCTCTGTGTTCTTCGATA
 CCAAACGAATACACGCATACCAGCGTGATCGACGTGATATGCGTGTATTGTTGCGGAACAGGTAACA
 GGCTACAGCCGGTATGTTGCGTTCTGTCAGTGGCGGAATTCGATCGCCCCGGTCTCGGCATCCATCGATT
 CCACGATGGCCAGTGAATCCAGATCATAGCCGGCCTCACGCAGGGCGTCGCCACCACCTTGAATCCTTT
 CTCGATGGCGATGCCAATACCCTCCACGATCGCGCCCCGCGATTGCGACAGTTCGATGAGCCCCGTTGAGG
 GCCTTGCCATTGGCGAGGAAATCGTCGATGAGTAGAACGCGGTGCGCTGCATTGAGGTACTTCTTCGAGA
 CGATACCCGGGAACCTCTTCTGCTTGGTGAAGGAGTAGACGTGGGTACATACTGTTGCGCGTCGAGATT
 GATGGACTGCGCCTTCTTGGCGAACACGACCGGGACGTGTCGAAATGGGTGGCGGGCGACGCAGGCGATG
 CCGATTCCCGATGCCTCAATGGTGAGGATCTTCGTGATGTGCTTGTGTTGAAATGCTCGGCCAGGCGG
 CACCCATATGGTGAACAGCCGCACATCGCACTGATGGTTGAGGAAGGCGTCCACCTTGAGCACATTGCC
 CGGTTTCACTACGCCCTGTTCTCGAATACGTTCTTCAAGTCTCTGCATGTGCGACCTTTGCTCTGCTGTT
 CTGACCGTGAAACACGCCATGACATGGCGTCCGTATGGCGCATAGCATACGCCGCCAAATGACCATGCG
 CATACGGGTGGGCCATGGCGTTGTGTTGAACATGGACTGTGGTACAACCTGAAAGCCGAATTCGTGATGTG
 GAGAAAGGACATGCGTTGCCACAGGACGTTGATTCATCGCCCCGTCCACCCAAGAGCTCATCGGCGATC
 TGAACGAGCAGCAGGCCAGGCGGTGCGTACCGTGGGCCCCGCTCTGCTGATCGGCGCCGGCGCGGGGATC
 GGGAAAGACGCGCGTACTCACGAGACGCATCGCGTGATCCTCACCCAATTCGGGGCATGGCCAAGCCAA
 GTGCTGGCCATCACCTTCACGAACAAGGCGGCAGCCGAAATGCGCGAACGTCTTGGCGCATTGATCGGCG
 GCGTGGCCGATCGCATGTGGGTCTCCACGTTCCACTCTGCGTGCGTGCGCATCCTGCGTCGGGACGGTGA
 GCAGATCGGTCTCAAATCTGGCTTACCATCTACGACACCGCGGATTGCGAGCGTCTCATCAAGCTCGTC
 TGCGCTGACTTCAATATCGACATCAAACGCTTCACCCCGCGATCCATCCTCGCCAGAATCAGCGACTACA
 AGAACCAGCTACCGATGCGAGCACGGCCTTGGCTCAGTATGCTCCCGATTTCAAACCCGGCATGCGTCA
 CTATTCCTTCGGCCAGATAGGCGATCCGGAGCCGGTGTATGCAGTGGTCTATGCCGAATACCAGTATCGT
 CTCGCCCTGGCGAACGCCGTGGATTTCGACGATCTGATCGTGCGCACGGTGGAGCTGCTGCGAACCCAGC
 CGCATGTCGCCGAATACTACCGCCATAAATCCGCTATATTCTCGTCGACGAATACCAGGACACGAACCA
 TGCCCAATATGTGCTCGTGCGTGAGCTTGGGGTGTGGATGCCCATGAACCAAGTGATCCCATGGCCACA
 GAGGCCGAAAGAGCGGGCCGGCGTGGGTCACTGTGGTGGGTGATTCCGACCAGTCGATCTACGCATTCC
 GCGGAGCAGACATACGCAACATCCAGGATTCGAGAAGGACTTCCCGGATGCGCGCACGATCATGCTCGA
 ACAGAACTACCGTTCCACGCAGACGATTCTCGATGCCGCGAATGCCGTGATCGCCACAACAGTGCGCGC
 AAGCCGAAAAAAGTGTGGACCGCACTCGGCGAAGGCGACAAGATCATCGGGTACGCGGCCGACACCGCAC
 AACTCGAGGCGCATTGGATAGCCCAACAGATTCTCCACCTGCATGAGGAGAAGGGATTGCCTTACAGCGA
 CATGGCAATCATGTATCGAGCGAATGCCAGTCCCGTTCCCTTGAGGAGGGGCTATTACGGCGCATATT
 CCGTACCAGCTCATCGGAGGCACGAAGTTCTATGAGCGTCTGAGGTCAAGGACGCCATTGCTTACCTGC
 AGGCAATCGTGAACCCGGCGGATGACATCAACATGCGCCGCATCCTCAACGTGCCAAGCGAGGCCTTGG
 CACGCGTGCGGAATCACAACCTCACGCTGTTGCGGAACGAGCACAACCAACGTTCTGGTGGGCGATCGAG
 CAGCTTGAGGACATCGAGGGCATGAGTGCCCGTACGGCGAATGCGGTGCGCGCCTTCCGTGAACTCATGA
 CGTCGCTGCGGACATTGCGCGGAGAGCATGACTCCAAGCCCAGCGAGATTGTGGCGCAGGTGCTCGAGCA
 GTCGCATATGCTGGAGCTGCTGCGCAAATCCGAGGATCCGCAGGATGAATCGCGTGTGGAGAACCTTCC
 CAGCTGCAGTGGTGGCCGCGGAGTTTCGAGCAGAACACGCCGGATACCACCTTGCAGGCTTCTTGGAGA
 CCACCGCGCTGGTCGCTGATTGCGACAGTTGCGGGGGGAGGGCCATGACAGCGGCAAGGTGACGCTGAT
 GACACTGCATACAGCCAAGGGCCTGGAATACCCGATTGTGTTCTCACGGGCATGGAGCAGGGCACCTTC
 CCACATTCGCGCGCCATGGAGAACATGGATGAGCTCTCCGAGGAACGCAGGCTCGCCTACGTTGGCATCA

CGCGTGCAAAGCGCAGGCTGTACCTGACACGCGCAGCCGTGCGCGCGCAGTGGGGGCGTCAGAGCGAAAT
 GATGCCGAGCCAGTTCCTCGACGAGATCCCGGATTCCCTCATCGACTGGAAGCGTCGCGAAGCCGGTATG
 GAGCGTATGCGTTCGGGCTGGCGCAACGATGGTTTCGACGACGGCTTCTCCGACGAATTCGGCGGATGGG
 ATGACGGGGATTCTGATTATGGTGCAGGCTCCTATGGGCGCTCGAGCTATGGGTCTCGGGCCGCTCCCC
 CACTTCCTCGGGGTGGGCTTTCGGTTCCACGCTACGGTTCCTCGGGTACGGCGTCGAATGCCGCTGCA
 GGCACCGGGTGGGGGAGCGCCGCGACGTTCAAATCGAGTTCGGGCCAGACTGCATATGGTTCGGGATCGT
 ATTCCTCGGGCCGCTCGCGAGGCTCCGGATCCTCTACGGGTGCATATGGAGCCCACCGGTGCGATGGAGG
 TTCCTCATCATCCCCTTCCTCGGCTTCCCGTTGGGTGCCGTGCATACCAGGCACACCACTGCAAAGACA
 CCTCAATCACAGGGAATGCCATTCGCAGATTGCCGCCGACAATGATCTTAATATCGCGGATTTCATG
 TGGGAGACAGGATCACCCATGACCGTTTCGGATTGGGCAAGGTGGTTCAGACGCAGGACAAGGGCAAGAA
 CTCGGTGATCACTGTAGATTTCGGCTCCACAGGTGTCAAGCGACTTATGCTTCGTCTGGCACCCATCGAG
 AAGCTGTAGCCCTGATGATCTGGCATCGGAGCGCCGAAGTCTACACCTTCACGGTATAATGCCATTTGG
 TGCCTTATGCAATGGGGCACTGTCTGGGAGTCTTAGCCCATCAGTGGGTGCGCAGTCGCAAGACTGTTG
 TGCTTGGCACGAGGAAGCACTGGAGAGGCTGGCTCAGTCCGACGCCATATGGTTGCCGATTCCGTTACG
 ACAACGACAGAACAACGAAGGAAACATCATGTGCAATCGTTCGCCCGTCAGGTGCGTCTTTCGCCGCC
 CTCGGCATCGCGCTGACCCGAAGGCACAGCGCATCTCGAAAAACGTCCGTATGCTCCGGGTGAGCATG
 GCCGTACCCGCCGCCGCCGAGTCCGATTACGCGGTCCGCTGCGCGAGAAGCAGCGTCTGCGCGCTCA
 GTATGGCATCTCGGAGAAGCAGTCCGCGCCGCCTATGAAAAGGGCACCCACACCGCAGGCCAGACCGGC
 AACGCAATGCTCACCGATCTGGAGACCCGCCTCGATGCCCTCGTGCTGCGTGCCGGCATCGCCCGACCA
 CCGCACAGGCCCGCCAGTTCGTGGTGCACCGTCACATCCTCGTCGACGGCAACATCGTCGATCGCCCGTC
 CTACCGGTCAAGCCCGGCCAGACCATCCAGGTCAAGCCGAAGAGCCAGACGATGGTTCGGTTCAGATT
 GCAGCCGAAGGCACCCACCGCGACGTCTGCCGCCGGTGCCGGGCTATCTCGATGTGAACCTCGCTCCC
 TCAAGGCGACGCTGACCCGCAAGCCGGAGCCGGAGGAGATTCCGGTTCAGGTGAACATCCAGTACGTGGT
 CGAATTCTACGCCCCTGATCTGGATCAACATACTGTAGGAACATACGGTATAAGGACATACATACGA
 AGAGGCCCGCGGCATTTGCCCGCGGGCCTCTTCGTATTCGCAAGCCGGCGTCTCATTGGCCGACTGCGGC
 GCTCACGATTCCGCTGACCAGCGACATGATGAGCGAGCCGAGCACCGCCACCAGAATCCGCCAATCGTC
 ACGCTACGTGCAACAGATTGATGGCAAGCCAGGAGGCCAGTCCATGAACAGCCAATTGATCACCAAAG
 CCAGCAGGCCGAAGGTGAGCACGCTGAACGGCAGCGCCAGCATCTGCACCACGGGTTTGAGCGAGGCGTT
 GAACAGAGCCATGAATAGTGAGAAGGCGGAATGCCGAGAATAGGGGGATGACCCACCACGTGCATTCTT
 GGAAGCAGCACCACCATCACGGCCGCCGCTATGGTGAGAATGAACATCGAATGAGAAAATTGCCATCA
 CCCCATTATGCCCAGACGTCCACAGGCGAAATACGACGTCCGGGCGTCACGCCGTGCCATAATCGAAG
 CATGATCGTGATGTTTCATCTCGTCCGTACGGACAGACATTCTTCAACCGCTACAACCGTCTCCAAGGC
 TGGTGAACCTACCATGACGCAAGCCGGACTCGACGATGCCATCCATGCGGGCAATGCATTGAAAGACA
 TCACCTTCGCCCGACGCTATTGCTCGGACACCACCAGAGCACAGGTGACGGCACAGACGATTCTCGATAT
 CAATGCAGCCAATGGGCATGACGTGCCGGTGATTTCATGCCGACATGCACTTCCGTGAGCAGTTCTACGGC
 TATTCGAAGGGCAGGACATGGGAGCGGCCTGGCTCGCAGCCGGGGGCCCGACGGTGTCTCCACCTACC
 ATGCCATAGTCGAGCAGTTCGGACTGGGTGCCACCCGGGACTTCTCAAGGAGGCGGACCCGTTCCACGA
 CGCCGAGTCCGACGAGGAGTACTGGCGGAGAGTCGATGGCGCCTTCGCCCTCATTGCAGCTAACGCGGAC
 CTTAGGGACGGCGACGATGTGCTCATGATCTCGACGGCAATACGCTGTTGTGTTGATGCAGCGCTTCG
 CTCCTGCGGGGTACGACCTGAGCGAACGACCGGCCAACGGCTCCGTGACCATGATTGACTTCGATACCGT
 CAAGTCACTGGACGATGCCATTGAGGTCATATCGTATAATCGACGCTAGCCGTTTAGGTCTGGGTGATTG
 GATAGGCTAAACGCGTATAAGTGAGACGCAAACTGCTAGGAAAGAGGGCGCCATGGGTGCTGGAGAAAT
 TGCGGGACTGATTGCGGCGATTGCATTTGCGATTCTTGCCGTTTTCTGATCTACCCGCTGATCCGCTTG
 GGCAAGATGTTGATCAGATCGCCGAAACGGTGAAACAGACCGGCGACCATGCTCTCCCGCATTGGACG
 AGGGTGTGACACCGTCAAGCAGGTCAACAAGTCACTGGGTGACGTCAATGAGATCTCCGGGGCGGCCTC
 GAGTACGATGAACAACCTCGGCGCCCTGATGAATCTATACGGTTCCTTCTGGGCAAGCCGATCATCAAG
 CTGGCATCCACCTTCTACGCGGTCAAGGTGACAGCGGCGTCTTCATGAACAAAGGGAAGAAAACCAGC

CCGCATCGGCGGAGCAGAAAGGCAAGGGCGAGTGATGTTCAAACGAGTGTTTTGGGTGCGCGCCGGTGTG
 GTGCTAGGCGTACTCGCCGTTTCCAAGGCCACCGCATACGTCAGGGCCAACACCCCGACAAAGCCAGGC
 AGTTCCTCCTGGGGCCGGATCAGGAGAATGTGGGGATGCGTACACTGCAGGGCCTCATCGATCAGTTAG
 GCAGGCCCAGCAGGCACGTGAAGAGGAGCTCAACCGGAATACACCGCAAAGCTGAGTTGAAAAACACGC
 GAAGCCAATATCGTCAGTAGAACACCAATACAAGGAGACGCATCACATGCGCACCGCTGAAATCGCACAG
 CGTTATCTCAATTACTTCAAAAAGCAGGATCATCTGGTGGTGCCGTCCGCATCGCTGATCTCGCCCAATC
 CGACCACGTTGTTACCAATTGCCGGCATGGTCCCGTTCATCCCGTATCTCATGGGGGAGCAGACCCCGCC
 AAGCCGCCGCATGGCCAGCAACCAGAAAGTGCCTGCGCACCCCTCGACATCGAGGAGGTGGGAAAGACCACG
 CGTCATGGCACCTTCTCCAGATGCTCGGAAACTTCTCCTTCGGCGATTACTTCAAAGAGGAGGCCATCC
 ATTACGCATACGACCTGCTGACCTCGCCGCGCGAAGACGGCGGCTTCGGATTGACCCAGAGAAGCTATG
 GATGACCACCTACACGGACGATGATGAGGCCCGTGCCATGTGGCGCAACGAAGGGGTGGATCCGGAACAC
 ATCCAGATCCTCGGCATGGAAGACAACCTTCTGGACGACCGGCGGCCCCGGCCCGGCGGCCCTGCTCGG
 AAATCTACGTGGACCGTGGACCCGAATACGGCAAGGAAGGCGGCCCATCGCCGACGAAAGCCGGTATAT
 CGAGATCTGGGACCTCGTGTCGAGAACTACATGGTGGACAACGTCAAGTCGAAAACAGACCTGCACATC
 GCCGGTGAGCTCAAGCACAAGAACATCGACACCGGTGCCGGTCTGGAGCGTCTGGCATACTGCTGCAGG
 GCAAGAACAACATCTACGAGACCGATGAGGTGTACCCCGTCATCGAGGCGGCCGAGAAGATCACCGGCAT
 CAAGTACGGCGAGAACAAGGAGGCCGACGTGAGAATGCGCGTCTGTGGCCGACCATGTTCTGTTCCGCGCTC
 ATGATCATGAGCGACGGCGTGCCTCCGAGCAATGCGGGACGCGGCTATGTGCTGCGCCGCTGATCCGCC
 GCACCATCGAAGCCATGCGTGTGCTCGGTGTGACCGATCCGGTCATGCCCCAGCTTCTGCCAGTGTGCGA
 ACAGGCCATGGAACCGAACTATCCGGAGCTCGCCAACACCTTCCACGATGTGTGCGAGGCGGCATACGGC
 GAGGAAGACGCGTTCCGGCGCACACTTACCAACGGTCTGGAGATCTTCGACATGGCCGTGCGGAAGGCGA
 AGAGCACGGCCGAGGAAGCCAAGGGGGAGACCACCCGGTTGTTCCGGCGATGCCGCGTTCACCCTGCA
 CGACACCTATGGCTTCCCGATCGAACTGACGCTGGAGATGGCGCAGGAGCAGGGGGTCAAGGTGACAGAA
 GCGAAGTTCCGCGAGCTCATGAACGAGCAGAAGTCCCGAGCCCGTCAGGATGCCCTGAAGAAGCGTCACA
 ATGTGATTTGAGCGAATACGACGACTTCAAGAACAAGCTGCATCAGCCAATCGAGTTCCTCGGATACAC
 GGAGGTCTCCACCCGAGCCGCGTGTGGCATCATGCTTGAGGGTGTGCGTTCGGTGCCGGCTGTGAGT
 GCGCCGGCAACCGTGAGGTGCTTCTGACCGCACGCCGTTCTATGCCGAGGCCGGCGGACAGCTTGCCG
 ATCAGGGTGAGATCATCTCCGATGATGGCGCCGTGCTTGAGGTGGACGATGTGAGAAGCCAATCAAGGA
 CCTCATTGTGACGAGTGGCGTTTGATCGAAGGCACGCTCGTGGTGGGAGCCGAAGCCACGGCAACCATC
 GACGTGCAACGTCGTGGTGCCATCGCCGTTTCGCATACCGCCACACATATCGTGACAAAGGCCCTGCGCG
 AGGAGCTTGACCTCAGGCCACCCAGCGTGGCTCGGAGGATGCCCCAACCGCTTGCGATTGCACTTCCA
 ATGGTCGACGGCACCCACCAAGGAGCTCATGAGCGCTGTGAGGCCCGCGTGAACGACCGCTTGCGCGAC
 AACCTGCATGTGAGCACCGAGGAGATGAAATTGACGACGCCATTGCGCTCGGCGCCATGCATCTGTTG
 GTGAGAAGTACGGCGATGTGGTGCGTGTGGTGACCATGGCGACGATGGCTGGAGCCGTGAGCTGTGTGG
 CGGCACGCATGTGGACTTTGCAGGCAAGATCGGTGAGGTGAACATTCTCTCCGAGGCATCCGTAGGCTCC
 GGTGTGCGACGCGTCGATGCACTGGTGGGGCAGAGCGCCTATGATTTCAACGCCCCGCGAGCATGCACTGG
 TTTCCAGCTCTCCGACACGTTGAACGCACGTCCCGATGAGCTGGCCGATCGCATCAACACATTGCTAGC
 CAAGCTCAAAGACTCCGATCGCCGCCTTGCCCTGATGTACGAGGCTCAGCTGGCGTCTGCGGTGCCGAA
 CTCGTTGAGGGCCGCCCAATTGACCGCCCCGGTGGTGGTGGTCTCGAAGAACGTCGGCCACTTCGGAT
 CGTTCGATGTGCTGCGCAAGACCGTCATGGACATTGCGCGACGTTGGGTGACGACAAACCGGTGATTGT
 CGCCCTCGCCGGCGTGAATGAGGACGACAAGCCTGTGATTGCCGTGGCCACCAATGAAGCAGCCCGCAAG
 GCGGGGGTGAAGGCCGGCGACCTGGTTCGCGGCGCTTCAAAGATGCTTGGCGGCGGTGGCGGCGGCAAGC
 CCGATTTCCGCCAAGCGGCGGTGCCGATGCCTCGAAGATCGATGCCGCGCTGGAAGCCCTGACGCAAGA
 GGCGATGCGCGCTGATGCCGGGAATCTGGCTGGGACTTGATCTCGGGAACGCTCGGGTGGGGGTGCTG
 CCTCAACCCCGAGCGTTCCTTCGCATACCCCGAGGGCAACATTCGCGTATACGGCGACTATTTCCAGGT
 TTTCGACGATGTACTGGACCTTATAGAAGACAAGGCCGAAGAAGGCACACCCGTGACGGCCATCGCCATA
 GGATTGCCGCTGCAGATGGACGGTTCGCGGGAAGCAGCGCCAAAAGGCGCAGCGGTGGGCGAAATCGT

TGGCAGAAAGACTCGAGTCCGAAATGGAAGACCAGGACTCTCACATCGGCGTGATGCCGGATATCATATT
 CATCGATGAACGATTGACAACCGTCGACGCACACCGTCGTCTGTTGACGCGAATGTCAGCAGCAAGCAA
 CACCGAGCCGTCGTCGACCAGCAGTCGGCGGTTGAGATCCTCCAGACGGCTCTTGATCGTGACGCGATA
 ACACAGAGGAGTTTTGAAGTGTCGACGACCTGCATGATTTCTCAATGCCGACGAATCCTGGGACGATG
 GCGCCGAACCGGCGGCCATGCCACCCGCCCTCCCCATAGCAGGCGCGAGATGCGACGCCAACGCGCGAT
 GAGGAAACGCAGGAATCTCATCATCTGCATCATCGTCGTATCGCCCTCGCCCTCATCTCGGTGCGCGGG
 GTGTTGTCATACCGGGCCGCACGGAAGTGGCGTCGTACGAACATGGCCCATGAATCCCTCGTCGAGGATT
 ATCCGGGACCGGGAGACACCGATGTCGCCTTACCGTCAAGCAGGGCGAGGGCATCATGGAGGTGGGTGC
 CAATCTGGTGCAACAGCAGATCGTCAAGTCGGCAGACACCTTCGCCACCTATGTTTCCTGAACGACAAG
 ACATTGTACCCGGGGACCTATGCATTGAAGACGCATATGAAGGCGTCACAGGCGGCGGACATACTCTCCG
 ACCAAGGCAACGCGAAAGGCTTCGCGGAGGTGCGGCAGGGCGAACGAGTGTCCACCGTGATCGAACGGAT
 CTGCGCAGATAACGACATCGACAAGACACGGTTCGAAGCGATTGTCAACAACAGGGACGAGGCGTCGAAG
 ATCCTTCCCGCAGAGGCGAACGGCAACTTCGAAGGCTGGCTGGAGCCTGGCACCTATACTGTGGGTGATG
 TCGCGACCGCTCCCGAGCGGCTGCTCAAAGAGATGGTGACGCGCGCATTCGAAACTCGACGAGATGGG
 CGTTCCCCAAGGCGCGGAACGCGAGCGCATGCTCATCATCGCTTCCATTGTGGAGGCGGAGGTGAACTCA
 TCGGACTACTACAGCAAGGTGAGCCGAGTGATCTACAATCGTCTCGACAAAGACATGACGCTCGGCATGG
 ACAGCACCGTGGCCTATGGTGCCAGCATCAACGGCATGCAACTGACCAACGACCAGTTGCAAGACACCTC
 GAATCCCTACAACACCCGTGTGAATCGCGGTCTGCCGCCGACACCGATCAGCAATCCGGGTGATGACGCC
 ATCGAAGCGGCCATGCATCCTGCCGACGGCAATTGGCTGTACTTCGTGACCACCGATCTGAAGACCGGCG
 AGACAAAATTCGCCGACACCGACGAACAGTTCGAACAGCTTGTGCAGGAGTACCGGAGGAACAACCCCGA
 CGGCAACTGACGAGCGGATGCGGAACCTGAATTCAGCTGTCCACGGCGGGCTGCGCCCCGTATGCACAA
 CACATGACGGCAAGTGACGCCGCCGTTGCTATACCCGGGACGAACGGCACCCGCAGACGTCCACCCCAT
 CACCGGTGCGTCCACGCGAACGTACCCGGGAATACACGGAATAGGCGGGCACCCAACCTACACCGAGCAC
 GCCCATGCACAGCCAGAACCACAGATAGCATTGAGTCCGAAATACCCCGTGGCAAATCCCGCCATGCCA
 CTGGCAGTGACATACCAAGACCAAGCGCATGGCGGGGGATGCCATGGCGAGCGGAAAGCTGCACCCCGA
 CTGCACCCACCAGCCGAAGCAGGCGCAGACGAAGGGCCACAGGTCTGTGCGAGCGAATCCCGCTGTCAA
 GAAGACCACGCATTGCACGGCCACACCTGCCATGACCCATGGGCGCGGCACAATGCGGCGCCTCAGGTG
 GTGACCGAGATCGCGAGTCCACAGACCAAGCTCGGTATAGTGATTAGCCAATACATATGGTTAAGATAGT
 CGGGATTGACGTAGAACAAAAGGAGTAGGCATGTTGCGTTGGCAGACCGCAGGCGAGTCCCATGGCGAGG
 CGTTGGTGGCGATGATCGAGGGGATGCCCTCAGGTGTGCGCGTGACATCGCAGGACATTGCGGATGCATT
 GGCGCGACCGCTCTGGGGTATGGCCGTGGGGCTCGGATGAAGTTCGAGCAGGATCAGGTGCGCCTGCTG
 ACCGGTGTGCGATTGCGCAGCACGTTGGGGTCTCCGATCGCCATCGAGATAGGCAACACCGAATGGCCGA
 AATGGACCGAGGTGATGAGCGCAGACCCACTTGACCATGAACTTGCGCGCGAGGGACGCAATGCGCCGTT
 GAGCCGTCCGCGACCGGGGCATGCCGATCTGACCGGCATGCGCAAATACGTTTCGACGATGCTCGTCCG
 GTGCTCGAACGGTCCAGCGCCCGGAGACGGCATCGCGCTGGCGCTCGGCGAAGTGGCCGCGCTGTTCC
 TGGAGCAGGTGGCGGGCATTGCAACCGTGAGCCATGTGATCTCGATTGGCGGTGCCGTGTGGAGAGTGA
 CAACACGCCGCTGCCGGGCCCTGATGACGTGGCGGCCCTCGATGCCTCTCCGGTGCACACTGGACAAG
 GACGCTGAGGAGCGCATGGTGGCCCGCATCGATGAGGCCAAGGCGAAGGCCGACACGTTGGGTGGTGTGA
 TTGAAGTCATCGCATACGGTGTGCCGGCAGGCATCGGCACGTACGTGGAATCGGATCGTGGCTGGACGC
 CGCCCTGGCCGCCGCGGTGATGGGCATCCAGGCAATCAAGGTGTGGAGATCGGCGATGGATTCTGGAG
 GCTGGCCGCCCGGTTCCATGGCACATGATGAGATGGTGCCAGGCGATGATGGCTGCATTGCACGCTTGT
 CGAATCGTGCCGGCGGCATCGAGGGCGGTATGTCCAACGGGACCGGATTCCGGTGCGCGCGGCCATGAA
 ACCGATTCCCTCCATACCGCGCGCCCTGCGCACCGTGGACATCACACCGGAGAGGCCGCCAGGCCATC
 AATCAGCGCTCTGACAGCACCGCAGTCCCGGCTGCCGCCGTGGTGCGGAGGCCATGGTGCCTGTGACAC
 TGGCCAGCACCTGCTGGAGAAATTCGAGAGGCGACAGCATCGAAGAGACGCGCCGAACATCGAAGGCTA
 TCTGGCCTCGTGGCCGGAGCACATGCGTTAGGCGGTTGCAGGGCATGGCACATAACCACAGGCACGCGGG
 CAAACCCCGCAGGCAACCGCAGGCCGTGATCATCGGCATGATGGGTGCGGGAAAGACTCGACTCGGCAAG

GAGATGGCGCAGATGCGCGGTCTGCCATTTCTCGACGCCGACGTGGAGATCGAACGCGAGATCGGCATGA
 GCATACCGGACTATTTGCACAATATGGGGAACCGGCATTTCCGCGAGGTGGAGCGTGATGTGGTGTGCGA
 TATCCTGGATTCTTTCGGCGGCATCTTTCCCTGGGAGGCGGAGCGCCGATGACGAAGGCCATACGTCGG
 CGCCTGGCACAGTATGTGGCCCGGGCGGCAAGGTGGTGTATTTGAAGGCCGACCCACATGAAGCCATGG
 AACGTGCCAACCGGGGAGGCGGTGCGCCCATGCTCACAGGCGATGCCGAGAAACGCTGGATGTCGCTGTT
 CAGACAACGCGACCCCGTATACCGTCAGGTGGCGAATCTGGTCGTGCCAACGCGGGGTATGACGCCAAA
 GCCGCGGCGAAAAGGATGATAGAAATGGTTGCAGAGCACACTGTACATGTTGATGGCAGGGGAATCGAAC
 CCTACGATGTGCGCATTGGGGAAGGAGCGTTGAGCCACCTGCCTGAAGTGCTGGGCAAGCAGCCCGTGCG
 CGTGGCGCTCATTCACACGCAGTCCGTGCAGCGCCATAGCGACCGTGCTCGCGGACTGCTGCGTCAGGCA
 GGTTATGAGGTATCGGACATTGTGATTCTGACGCCGAGGCCGGCAAGACCATCGAGGTGGCCAATGGGA
 TCTGGCAACGGCTGGGCACGGAGGGCTTACCCGTTCCGATGCCATTGTGGGCATCGGCGGTGGGGCCTG
 CACGGATTTGGCAGGATTCTGTCAGCCACGTGGATGCGCGGCATCCGCTACGTGAAGTGCCTACGTCG
 CTGCTCGCCATGGTGGACGCTCCACCGGTGGCAAGACCGGCATCAACACCCCTCAAGGCAAGAACCTGG
 TCGGTTCTTCTACACGCCGGCGCGTGTGTCGGGACCTCCGCACGTTGACCACGCTGCCAACGACAT
 CTTCATCGAAGGGCTGGGCGAGGTGGCGAAATCCGGGTTTCATCATGGATCCGCAGATCCTGCGCATCCTC
 GAGGACCATGCCGCCGAAGTGCAGCGGTTAGTGGCGAGACATTCCTGGGCACGCTCTGGAGGATGTGG
 TCAGTGAGCTCATCGAGCGACCGTCCGTGTGAAGGCCCATCATGTGAGCGCAGATCTCCGGGAGGCCGG
 ATTGCGTGAATTCCTCAACTACGCCACACCTTCGGTCATGCAATCGAACAGCTCGAGCATTTCCGCTGG
 CGTCACGGCAACGCCGTGGCCGTTGGCATGGTCTATGCCGCCGAGCTGTGAGCCTGACCGGGCACCTTG
 ACCGTGACACGGTGGACTACACAAGGTCTCTGCTCACCAGCCTCGGTCTGCCGACATCGTGAACGGCGC
 CGGCTTCGATGAGGTCTCGCATTGATGCATCGTGACAAGAAAGCCCGTGGCAACACGCTGCGGTTCTGTG
 GGCCTTGAACAGGTGGGGGAGCCGTTCCATCTGAACGACCCCGATTCCGAGGGCCGTAGAGGAGGCCCTCC
 ACCGTGTGAGAACCCGTGAATGGAATCGGTCCGGCAGGTGCGAGGTGAATATACGCCCAGAATGCAAAG
 TGGGAGCCGACCACCCATACACGCTCCGGCCTCGCTATAGTGGAGAGCAGCCAACGGCAACGAATTGGAG
 GGACAATGGCAACGAAGTCACAGCCGATCAAGGTGATGGTGGTCAATGGGCCGAATCTGGGGCGGCTCGG
 AGTGCCTCAGCCGATGTGTACGGTTCGACAGGATCTCAGAGGAGCTGCGTCGACTCTGCACCCGGTGGGGG
 GTCGAATACGGCCTTGACGTGATGTGCGCCAAACCGATGACGAAGCGCAGATGGTGCATTGGATGCACG
 AGGCCGCGGACCGGCGCATCGCCGTGGTGTGAACCCCGCCGCTTACCCATTACTCCTATGCGTTGGC
 CGACGCCGCGCACATGGTGCTCGACGCGGACCTGCCGCTCATGGAGGTGCACATCTCGAATCCAGCCGCA
 CGCGATGAGTTCCGCAAGCGTTCCGTGATCAGCCCGGTGGCCACCGGCACGATCAGGGACTGGGTACC
 TGGGATACAAGCTCGCACTCGAGGCCGTGCGAGAACTGACCAAGAGCTGAGATGAACGCGGCGCGGGAAG
 CTTCGCTATCCGTGTGACACCTCAAGGTGATGAATGGCAGGGGACGGCAGAGTACACTCTGCCGTCCC
 CGTGCCATTCATCACCAGATCCTCAGATCAATCAGCTCAGTCCGGCTTCCCTTCTTCGCTGGTACGATT
 CCATTGGAGTTTGAATTGTACCCATGCGGTGATGACGCTCTGTGTCACGTACAGAGCTGAGGGCATCC
 ATCCACAGTGCTCACGTTTCGATGACTGTGCGGTGCGGCACGCGTGGGTCAAAGATGTGAGGATGGAGT
 ACTGGAATACTGCTCGATGTATTCCACGCCGTGTTTTGCGACAAGGTCTTGAGCAGCGCATTGCCGCC
 AGTGTGGTCTCCGTTCGCGTATTCTCCCATCGGGAGAGCAGACCTTGTGCTCCGCCATGGCGGCTGTAT
 GCTGATCCGACGTAGTGCCAACCGGTACGCGTGTGCGTCTGCAGATACACGGCGTTGACGGCTCCTAGCG
 CGCCACGCCATTCTGCTTATGCACAGCGGCTACAAGCTCGGAGAACGATAGCCGCACGTTGTCTAGCC
 AGGGAATGGCATTGCCGAGACCGGCGACTGCGCAATCTTCTCGACGAGCATCGTATCGAAGAAGCGAGAA
 CGCAATCCGGCATCGGCCATGCCGTTACCATCTGCGTCGCGCCGCGCCTTTACGGTACACGACGACGG
 TGCGCGCCTCGAATGGGAGGAAACGTTTCGATTGGCTTGCCTGGTAGACTTCGTCATTCCCCTGCATCAC
 CGTTTCGCCGACCTCATAGCCTCCGATGAACAACCAATGGATCGCGGGTTTCTCCCGTCCATCGAGCTGG
 ATGAATTGCAGCACCTTGGGCTGCCGTATGTTTCTCCGGCCTTGTGCGGTTCCAGCGGCGTGTGAACA
 CCAATCCATGAGCTCGTCGTGATGCTCGTAATACATCGTCATTGCATCGAACCACGCGCCGCTACTTTG
 GTTCAATCTGATTGCATACTCCGAAAGCTCCTCTTCGCTGAGGCCGAGCATTTCAAAGAACCTAATTGGT
 GGATTGTTGTTTCCATGATATGTTCTTTCTGTATCGTATGGTTTGTGTTTCCGCTACACATCACGA

GACGTTTCGCAATCGGCGACGCGCATGTCGATAGGCCACATCCAGCGCATTGCCCCATGGATCATCATGT
 CGAACCATTCTCGCCAATGGTGAAGCTCGCTGTTTCGAATAACACAAGATCAGCCGGTCCGCGGCCTG
 CGGGTGTCTGCGAAAACGGACAGGGAACCCGTCAATCGCGGAATCTGGCCAAGGCACAGTGAGGGGAGT
 GTTTCGGGTCTCTTCATCAAAGGCAATGAGTTCGCTGTCAAGGTCGATGAAGGCAATATGTGTGTTG
 CGGCGGTTATGGTGATTTGAGCAGCTGCACCGTCTGCCATAGTCGGTCTATGGCCTCGTCATAGATGTT
 TGTGCCATGTTCTGTCGTCGATGAGCTCTCGATAGAACGGTTTGTCTCGTGAACGCCATGATGTTCAAGTTCG
 CGGAATTCGCCGTCTGGCATGCCCACGCATTGCAGGCGTGCGATGGATGTGAACGGAATCGGTACGGTTT
 CGGCTCTGTCGTCGATGGCGAAGTGACCGTCCAATCCGACCACGCGAGCGTGACAGCCAACCTGTGAC
 TGCCTGTTCAAGTTATTTGACGTAGTGGGCGTGGAACACCGGTGTTCTGGCGAATGCGATAACGGAAC
 CCAAGCGTGGTCATAGGTGCCTTCTTCGATGCGCGGACAGTAACTTGCATCATGATAACTATATAAAA
 GATAAAATGATGGCAGACACGCTCCTTTGCGTGTTTCGGCCTGTCTACCGGTGTTGAGGATTGTCATCT
 TGTTGGTGACAGATTCAGGCGGGATGATTGCGTGCTCGTGAAGTAGGCGATCGGGTCTTTGAGTCATT
 GCGCTCGAATGTCTTGCCAATCCAAGGTTCAACGCTCTCCGGCGAGGTCTCCGAGGAACACATACGC
 ATGCTCTCGCGTTGACGATGCCTTTGATCTTGCGGACGACGACGACGTTGTCCGGATTGAGGACAA
 TGCCGATGTCGATCGCACGGCACGGCCTGGTTCAGCTTCCACCATCCGGCGCTGCAGCTCCAGACCTC
 TTTCTGGCTGAGCCCGTCGTGCCAGCCGATGGCGGCGATTGTGTTGTTGTCAGGATCTTCTCGTCGTAG
 TCCAGGATTTTCCGCGGTCCGATTTTCATGGTGACGATTTCGGCCATCATCGCCCTCCGTGCAAAGTAC
 TTCGTTATCTTTGTACCAAGATGGAGCAACATTCGGGCATGTCGTGACCGTTGCGAGCTTTGCATGTCCG
 TTTGACAGGGCGCTGTGGACAAATTAGGCTGGTTTGAAACCATATCTTTATAAAAGATATAAAGATAGG
 AGTGGCGATGGGGCGCAGGGACATGGAAGTCGGCGATGCCGTGGCCGTCAATGATAATGGGTGCAAAGGG
 ATAGGATTCGTCTGTCATCCTCCGATGACCCAGAAAAGACGGGTGGTGTGGGAGCGGCTGGAAGAACAG
 CATATCTGATCCGATGGGTGCTTGGCAAGAATCTGCAGCACGGCACCATGAGGTGCGCGCGGTGAGTC
 ATGGTTGAATGATGATCCGAAGCGCATTTCGATCGACGGAGTGCAGGGTTATACCATGCCAAAGCGTTTC
 ATGGGCAGGAATGTCGAAGGCTCTGTAAGGGCGACAACGAGTTCATCGGCTTGCCTGCGCCGCACGACG
 CGTCGATGCGGATGCCGATGGTACGTCTGGCCGCGGTGTCTGTCGTCTGCGTGCTCAGCATCGTGTGTC
 GTTGGTGTTCGTGCGCAACCGAGAACAGACGCGGCTTCCGATGCAGCAGTCCGTTTCCGAGAGTCGTCA
 ATCGATGGTGGGGATGCTGGGATCCCGGGCTCTGGTGCTGATAATCCGTACTATTACGATGAAAGTTCCG
 GCTGGACACAGGAAGATTGCAATGAAGGGTCCGCACAGTCGGATACGAATACCGCGGACAGTGCAGGACGA
 TAGTGGCGCCACTGCGGGGAATTCGGGATTGATCCCGACAACATCAGGGGCACATGGTGCAGAAGCGAT
 GGCGTGACCTGCGTCAAGATCACGCCGAGACCGAAGGCAATACCTCTCCTCTCGTGTTGGATACGTGCG
 GGATGGGGGACCTCAACCCACTGCCGAACGGCCAGACGACAATCCATTGGGGTATGTCCATCAAGATAA
 TCCCAATACTTCTCTGGCGCGCAGCAATTGATCACACAGTATACTTATCGCATCGATTGCGAGGTTTGG
 GCGCAGTATTACAACAATGTGGCGTGCGACGGTGAGGCGGTGCACACGGTAGACATGTCATTGCCAGACG
 TACCTCGGTGAGGTATTAATTCGTACAGAGACCACTTTCAGTAACACGAGTGATTTCAACAAGTGATTC
 ACCTATCGAAGGCTTGGATGACTCGAACCCGCTACGCGAGCAGTGACCTTGTGTTGAGCCTTATGGG
 GGACGGGCGCTGATTTCGGTATCTGACGACACGGTGTCTATTGGAGGTCATACTAGTGGACGCTACTGG
 AACGCTTACGTTAAGGAAAGGATGATCATGGCACGGCGCACAATGAGGGAACACGATGTGTCATCGTTG
 ATTAATCGGATCTCAACGCGATTGCGATCGTGACGGATCGATCCGAGGATCCGAAGATCACACAGGGGAT
 AGGCGGCCCCGGCGTACCCGCCTTACGGCTCCAATATGTTGCTGGGCTGACGATGGTTCGAAGACAAGGTC
 GAACCGGCGGTGGGTTTCATCTGGCTCAATGACGACCCTGAGCATATATCGATCGTCGGCGTCAACGGAT
 GCCTCCTGCCGTGACATTCTATGGCGTGACATGGTTCAGGCGTTCCGGGACATCGGTGTTGACTGCGG
 TGACGGTACGGAGTCTGATGATGCGTCATCAAGCTGATTTCCGACTTCATATCAAACGAGCCTCTTGAT
 CAGGTGCTGTCTGCGGATGCGTGCGGTTTGGATGATTATCCGCCGCGGCTGCGCTTGATCTGCTTGCCA
 GAGCACAGAAGACGCTTGAATTAAGTACGAGGGGCGCGTGAAAAAGCGGCCGATGAAGTCGCAACCGCACG
 GCAGGCCTTTGAAAACGCTGTGCTGTATTGCGCAAGCGACTTGATGGGCGGTGTGGTGTGTGGCGATC
 ATCCAGGTGCGTATTTTGCATAGCGGCATGTCGAGCCGACGTGGAGACGGCTGGGCGCCTTCGTGGGA
 TCATCACACTGCTCATGGCCATTGTTTTCGGCGTTCTGATCACCTCGGCCATACGGGAAGGCAGGTTGGC

GAGGAAAAGCCGCTCAACATTGCTGGCAGCGTTGGCGGCGCAAGGCGTGCAGGAGAATTTACGTATGCC
 CAGGAGCTGAAGATCGAGCCGATTTTGAGAATGATTCCGCAGGAATACCGCGATGGGACTCAGATTGGCG
 CCATCATCGAGCTGCTTACGAGTCCTGCGACTCCCGATTTGCGCAAGCTACGACGCAATGGGATGCGCT
 GCTGCATCAGTACAAGATGGAACAGTTGCACACGCGGCAAGGAGAACAGTCCGATCTGCGAGCCCGATAT
 GAACAAGATGCCGAGACCATCAGGCAGACGGATCTGTGCGACGCCTGGAATGAGTTGACGCGCAGGAAG
 CCCGCACACAGTCGGTGCGTCAACGCAATGACGAGTTGCGGCTTGCCATTAGAGGCGTGGATTGGAGCC
 GGACACCATATTGAAAAAGCTCGGGCACAAGTAGAAACGAGGGAACGAACAATGGACGTGAGGGTACATG
 AATTACAGCTGACGCGAGCACGGGCCGAGCAGTTAATGGACAGGCAGCGAAAAGCCAATGCAGTAGCCAA
 TATGCAGCGTCGACGTGCTCCGGAGCTTGATACCTGAAGAACGACGCCCGCCAGACAATCGATTTGCGG
 ACGTTGACGATTGCGGGTCTATCTGCTGACGGTGGCTGTATCGTCGCGACGAGTCTATGCCATGTGGA
 TGTATGCAATCGCATGCGTCGGCGTGGTCTGCTGCGGTTTTCGCGCTCATCAGTGCCGTGCTGTTGCTCTT
 GCGCGGTGCTGTAGTAAACCGTGCTGTGATTGAATTGTCAAAGCGGCTGTACTTGACGTTTACGGGTC
 GGCGATGATCCCGATAGGGCGGGACAATCCAGAATGATGCCGATACCGTGCGAGCGCTGTTACCGGAC
 AGGCGGCAACGGAACAGGAAGTGGAGCCATGTACCAAGAACTACGCCCTAACAGGCGGCTCGAGCAGAA
 CGAGCGCGCTGCCTTGAGCAGCTGGGCCGACAAGCTGATGATGCCGCACGGGAATATCAGTCTGTGGTT
 GGCCAAGTCGCGACATTGCGCGGTGACACGGAATCCTCGCATGCGCAGGAGCTTGATCTTGAGCGGCAAA
 ATAACTGTTTGAAGCGTTTGTCAATGAACATGGTTGGTGAAGAGCTAACAGATAATTAATTCGGTTGG
 CAACCAGCATCCCCGTCGCATCCGCGGCGGGGATTTTTCTGTCAAACGTGCGCATGATGCCTGATGGCAT
 CGATCATATGGTTTCCGGATGCCTGCAATGACGCGACATCCGAATGCAATCGGTTGCGGACTCCGGTACG
 GCAAACCATGTGTCATGCGTGCAATGCGCGGCGGGGGGACTTCAAACACGCAGGGCAAAGCGACGAAAAT
 GCGTCGGAGGATGCACGCAATCGGAAAACGTCATACACTGATGGAGATTCCATGCAAACGTATGCATGCG
 CTCATTGTGCAAGACCTGTGGAATCCGCGCATGGCCGCGCGCAAGATGCATACGTCAGGAAAGAGGCGAT
 TGCATATGCGCAGTTGCATTGCGTCGCCACTGGATTAGAAGGACAGGAACGACATGGTTATTACGACAT
 GCACACCGCGTTTCGCCGGACCGCAGGCATCGGCGTGGCATTGGCCACGCTGTGCGCCGATGTGGTGATC
 GCGGCACCGAATGCGGCGAATGCGGCGCCAGCCGACACCGGCAGTCCCGGCTGCCGAAGGCCACGGGCAT
 ACAGATGATCGCATTCCAGCAAACATGAAATACCATCGCGGAAGAATGCGGGCGCACCTATGGGCCCTAG
 GGGATTCCGTATGTGGAGGTGTCTCCTCCCCAGGAATCGATCCGAGGCACCCAGTGCGGGACCTCTACC
 AGCCGGTCAGCTATCGGCTCGATTGAAACTCGGCACCGAAGCCGAGTTCAAGGCCATGGTGGAACAGTG
 CAATGCGGCAGGCGTCGGCATCATCGCCGACGTCGTGCTCAACCAGACGACCGGGTCGGACGTGCGCGCA
 GGTGAGCAAACAGGCGTCGTGGGCACAGATAACAAGGTACGACCGGCGACTACCCAGGATTCACCGGCG
 AGAGCAAACGGTACCCCGACGGCGTGACCGCCGCCGACTTCCACGACTACGACAACGGTGCGAACATCTC
 CGACTACAAGAACCAGCAGGAGGTGCAGGAAGGCCGTTGAGCTCGATGTGGGACTTCGACACGTGAGC
 GAGAAGGTGCGGCAGATCCAGTCGGATTACCTGACCAAACCTTACAACATGGGCGTACAGGGCTTCCGCA
 TGGATGAGGTCAAGCACGTCAACAACGAGGATATGAAGGCCATCAAGGACTAGATGGCCAGGAAGATCGG
 CAAGAGTGCCGACGACATCTACTGGATTAGGAGGTGATCGGCAACGCGAACGAGGCGCCCGGCATCCAG
 CCGCGCAACTATCTTGGAACAGGCACCGTCACACAGTTGACTACAAGTCGGACCTAACGCCAAATTCA
 AAGGCAAGATCGCCGGACTCAAAGACCTTTCCATGCGCATCGGCGACCTATCGAAAACCCGAACGCGGT
 TGAATCCAAGGATGCGAACGTCTTCTGTGCCGAAGTGGACACCGCCCGCAACGACGGCGCGATCACGTAC
 AAGAACGGTTGATGTACGCGCTCGCAACGCGTTCATGCTCGCTACGACTACGGCACGCGCGTCTGC
 TCTCCGACTATAAACGACCTTGGCGCGACATACGAAGAGAATGGCACCGCCTTCAAACGTGGGCTCCGA
 CGGCACAGAAGGTTGAGCTCGTCACTTTAGGTCCGCTGATTCCGCGGACGCTGAAGAGGCCGCTGTCTG
 GGAAATGAGACTTGGTGAGAAGGGCGTGTGGAACGCTACCGAAAAGGTTCTTCCAGCGCCGCTACATC
 TACCGTGTGCTTTGCGGACGGCACGACGAACGATTCCGCAGACCCGTATGCACGCGCATCCGTAGTCA
 ATGGACGCCGTTCCGTATTCTGTCCAACGCAAGTACGACCGTCAAGGATTTAGGCGAATGGCCCCATT
 CACGAAAAACACCGACGCGCGCATTTTGAAGCGCACCGCGGCAAGTATTTCCGGCATGATTAAGCACGGG
 ACGAAGAAGTCAAAGGCAAAGCGACTGGCGTCGACTACCTGAAGGAACTCGGCGTCACGCATGTGCAGA
 TCCAGCCGAATGCTTACGAGCTCGACATCCACAACCTCACGTCGCGTCTTCAACGATTCGATTGCGCA

CGGTCTGAAGGGTTTCGTGTTCTCAACGGAAGACACCGGTTTCGCAAGCAGCAAGCCGAACACCGAGGGT
 CTGATCCTGAACAACATGCTCGGCTGCCAGAATCCGGAAGGCATCTCGAAAGGCTCATTCTGCACGAACG
 GCAACGCGAACGTGAAATACGGCAATGCAGGGCAGATCGTCAACTATGTTGAGATCCATGACAATCTGAC
 GCTCAACGACAAGCTCAATGTCTCGCTATTCGGCAAGAAGACCGACGATGAGCTTGACGCAGCGCAGAAG
 ACCGAGAAGATCACGGTTTCGAAGCTTGATGATTACGCGGTCTTCCTTGCTCATGGCGTCTCCGAATTCC
 AGGTGGGCCAGGAGATGCTGCGCACGAAGGGCGGCGACGAGAACAGCTACAATGCTGGCGATGACACCAA
 CAAGCTCGACTGGGATCGCCCCAACGACGCCGAGTACGCGGACAACGCGCAGTACATGCGCGGTCTGATC
 AAGATTCGTAAGCGCAACGCTGTGCTCCGTGTGCGCGCCTATGGCACGATCAACAAGAACGCGAAGGTGG
 TGAGTCCGCCGAGGGCCTCGTCGCATACGAGGTCAAGGATGACAACGGCGTGAACCTACGTGGTTGTGCT
 CAACCACAATGATCAGCCAACTGATCTCAATGGTGTACCCGACGGCAAATACGGCGTGTGGTCTCCAAT
 GGCAAGACCTATCTGCATCCAGCAGTCTCCGATACGACGGCAGCTGCAGCTGTTGCCGACCCAGCGGATA
 CCGGCAAGGATGTCTCGAAGGCAGGCAGCACTGTGCAAATCGCGGGCGGCGATGCCATCGCGGTTCTGCTC
 CAGGAGCGCCCTGCTGCTCGGCCAACCGCGGTGATGAGTGAGCCGGACAATCCGGATAACCCGAATAAT
 CCGGATAACCCAGATAATTCGGATCAGCCTGACAAGCCAAGTGGCGACAACGCACATAATGGCGCCAACA
 ATGCGGCCAATGGTGCGAACAACGCGTCAGCCTCATATGGCGGTACGGCGTCCACTGGCTCGTCGATTGC
 AGTCATCATTGCGATGGTCATTGTGCTGCTCATCGCCGGCTCCGGCATGTTACTCAGGATTCACTCTCCC
 CATGAGCGAACATTGAACCGGCAAGAGACAAGTGCCTGAATAGGCGAAATACAAGAGGGCGTGTTCACAA
 GGTGCGCCCTCTTGTGATGGAGCGAGGATGATGCAACGCAGTGTGAGCAAAGTCCCTTTGTGCATGTC
 ATGCCGGAGCGATACCATGAAGACCCATGGTTAGAAGACAACATGGCAATGCTCAAGAACACGTCACCAA
 GCATATTTTCGCTACTGGCGGCGTGTTCCTCCCTTGGCAAGGGTCTTACCGCTTCCTCTCTCGGACGT
 CTGCTGCGCAGCCGGGGACTGCGTGTGCTGCAGCAGAACTCGACCCGTACATCAATGTCGATCCCGGCA
 CCATGAACCCGTTCCAGCATGGCGAGGTCTATGTGACCGAGGATGGCGCGGAAACCGATCTCGACATCGG
 CCACTACGAGCGTTTCCTGGACGTCTTCCTTTACAGAAGGCGAACGTCAACACCGGCCAGATCTATCAG
 GAGGTCTTCGCAAGGAACGCGCTGGTGAGTACCTCGGCCAGTGCCTGCAGGTGATCCCGCATATCACGA
 ACGAGATCAAATCCCGTATGCGTGCGCAGGCCTCCGATGACGTCGACGTGATCATCACCGAGATCGGCGG
 CACAGTGGGTGACATCGAATCGCAGCCGTTATGGAGGCCGCACGTGAGGTGCGTCTGATCTCGGTCCC
 GGGAACTGCATGTTTCATCCATGTATCGCTTGTCCTACATCGCCGCCGCCATGAGCTCAAGACGAAGC
 CGACGCAGCATTCCGTGATGATGCTGCGACAGCTCGGCATCTCGCCGGATGCACTCGTACTGCGCAGCGA
 CCGTCCGCTCAACCAGTCCATCAAAGACAAGATCTCGCTCATGTGCGACGTGACTCCGAGGGCGTGGTG
 AACTGTGTGGACGCCAACAGCATCTACGATGTGCCTAAGGTGCTGTTGACGAAGGTCTCGACGCCTATG
 TGGTCCGAGAGCTCGGCCTGCCGTTCCACGACGTTGATTGGGACGAGTGGGAGGACCTTCTTGAACGCGT
 GCACCACCCCAAGCATGAGGTGAACATCGCCATCGTCGGCAAGTACATCGACCTTCCCGATGCCTATCTT
 TCGGTACCGAGGCCATCAAGGCAGGCGGTTTCGCCAACTGGGCCAAGGTCAACGTGAAATGGGTGCGCG
 CTGATCTGTGCGAGACGGAGGCCGCTGCGGCTGCGGCCCTCAACAATGTGACGGCATCGTGATTCCGGG
 CGGCTTCGGCATTCTGTTGCATCGACGGCAAGATCGGCGCCCTGCGCTTCGCACGCGAGCACAAGCTTCCG
 GCACTTGACTGTGCCTGGGGCTGCAGTCGATGGTGATCGAATATGCCCGTGACGTGCTCGACATCAAGG
 ATGCGAATTCCTCGGAGTTCGACCCGGAGTGCGCGAATCCCGTCATTGCCACGATGGAGGAGCAGAAGGA
 CATCGTCGCCGGCAATGGCGACATGGGCCATACGATGCGTCTGGGCTCCTATCCGGCGGAACTGCTCGAA
 GATTGCTGGTCGCCAAGCTCTATGGGACCACCCATGTGACTGAACGCCATCGTCATCGTTACGAAGTGA
 ACGTGGCATAACAAGGATCGTCTGCGCGAGGGCGGTCTGGTCATCTCCGGCCAGAGCCCCGACGGGGAGCT
 CACCGAATTCGTGGAAGTCCGCGAGGATGTGCATCCGTTCTATGTGCCACCCAGGCGCATCCGGAGTTC
 AAATCGCGCCCCGACCAAGCCGCACCCGTTGTTTGCCGTTTGGTGAAGGCTGCGTTGGACCATCAGGAGG
 CGCGTGACACCAAGAAGGCCACTGCCGAATAGGGCTTAGGTGCCGTGCGTGAGGCGGCTTTGTGAAGAAT
 GCACGAAACATGGTCATGAACCGCTTGCTGTTTCATGACCATGTTGCATAATATGGACAGGCCCAATTCCT
 TTTGGGATTTCTTTGGGGAGTGTTTTCAAGGAGCAATATGACTTTTCCATCCGGCAATGGTGGGTTCTCT
 TCGAACGGAGCCAGCAATCAGGTGCCATCGGATGCCAGCGACATGCGTGATTTGAGTCGACGCAGGTGT
 TCACGCCGATGCAGGATGTGCCACTGCCTCCACAGCTCCACAGCAGCAGATTCCAATGCAGGCATGAA

TGGGCCTGCCGAGGAAAGAGGCACCATGTATGGCCATGGATCGTGCTGGCGCTGGTCTGCTGCTGGCA
 GGTGCTGTGCCGGTCTTGTGGCGTTCTTCAATACCCGCGCGCTGCCTGGCACCACGCTCTGGGGAGTTG
 ACGTGTCCGGAAAGACGCAGCAGCAGATTGCCAGGCCATTTCCAACGAGGTGGATGGCACCAAGATTCC
 GGTCAGCTACGAGGGCAAAACCGGGTCGGTCACGCTGGCGGACCTCGGCGTCAAGGTCGATGCACAGCAA
 ATCGCCCAGGAGGCAGTGGATGCGAAACGCCATGAGAACGTATTCGCCCGATATGCACCATGGGCGAAGC
 ATGACGTGAACCCGGCCATCGATGCCAAGGATGCGAATCCGGAAGCCCTCGATGAGCAGCTGGGCACCAA
 CAGCGTCAAACCCGTCGACGCCAAGCTGCAGGTGGGCGATGATGGCAGCACCATCGCGGTTCATCGAAGGC
 ACTGAGGGTCACGGGGCCGATCCGACCGAGACCGCCAACGAGGCGGTGCGTGTCGTGCAGTCCCTGGGAG
 CGCAGGAACCGAAGACCGTGGAGGTGCAGCTCAAGACCATCTCGCCGGCGATCACCACCGATGAGGCGAA
 CAAGGCCAAATCCACGTTGGACAACTGATGGCACAGAAGCCGGGCGTGTACATTGGCAAGGAACGGTTC
 GCCGCATTACACCGTCTATGATCCTCGCCGCGACGACGATCGACCCGAACGGCAACGGCACGCTGCCGC
 AAGGCCAGATCCGCAACGGCAACGTCGTCTACGATGCGACTGCCCTGCAGAAGGCATATGACGAGCAGAT
 CAAGCCGAACATCAAGTCCACCAAGGAAGATCGCGAGGTCATCGTCAACAACAACGGCACCGAGATCGAA
 GTGATCAAGGAAGGCCATGACGGTGTGACACTCGACGATGGTGCAGACGCCAACATCGGCACCAAGGCGA
 TCGATGCGTTTGGCAAGGGGAACGGGACCGTGTCCGTTTCCGGCAAACCTCGACCCGATGAAGGTGAAGGA
 GACAAAACGGCACGTTGTGGTCGATCTCTCGATCACACCGTGACCGCTTGGAGAACGGCAACGCGGTG
 AAGACGATGCATATGTCCGAGGCCAAGGCAACGACTATGCCACCGGCAAATGCCAGGCCTCGGGCGACA
 TGTGCACGCCGGAAGGTGATTTGAGATCTGGCTCAAATACCCGTCTCAGAACATGTCGGGCACATTGAC
 GCTTTCGGACGGCAAGAAGGAGACGTGGGACGTCAAGAACGTCGGCTTCGTCAACTATTTCTGAAGAGC
 GGCTGCGCCATCCATCGCATTGCCACGCAGACCCCATACACTGATGCGCAGATTACAGGCCCTGGGTGAGA
 ACACCTCCACGGTTGCGTCGGCATCGGCTGGGACATGGCGGAATGGTTCTACAACCTGGTGCGTGGATGG
 CACCAGCGTGACGTCCAGCAATAAGGGGGCAACAAAACCTAGAAGGCCCGGCGAGTTCTAGAACCTCGCCGG
 GCCTTCGTTATCCGAATGCGTGCCACATGGGGCGGCTGCCATCGTCGTCGAGTCTTGGCGACGTGATGAA
 CATTACGGGAGAAAAGTGATGAAAAACCTAGATTTTTGTATTCTTCTGTTAGGTTAGGACAGGAACGA
 ATTTGATAGGAGGCAGCGCAAGTGCGCAGATAACCAGGCGCCCCATGCCGCACGGGATGTGGAGATGAATC
 AGTACATCGCCGATCGCGGTGCGTCAATGAAGACAAGCTGCGACAGGACGACGAGATCATCGAGCAGTT
 CGGCGAATACGGCTACGGATGGCATGATTCCGACGCCGAGGAGAAGCGGCGAAAAAAGGCATCGATGAG
 AACGTGGTCCGTGAGATCTCGGCGGACAAGCACGAACCTGAGTGGATGCTCGACATGCGTCTGCGCGGTT
 ACCGGGCGTTTCATAGAGCAACCGATGCCGAAATGGGGTGTGGATCTTTCGGGATTCCACGCGCAGGATTT
 CAAGTACTATGTCAAGCCCGTCGGCAAGCAGGCTGCAAGCTGGGAGGATCTCCCTGAGGATATCCGAACC
 ACCTACGACAGGCTGGGCATACCCGAAGCCGAGAAGAGCCGCTGGTTTCCGGTGTTCGGGCCAGTACG
 AATCCGAGGTATCTACAACCTCATTAGGATGATCTTCCAAGCAGGGCGTCATCTTCGTCGATACCGA
 CACAGCCGTACGTGAGTACCCGGAGCTGGTGAGAAATACTTCGGAACGGTGTCCCCCTGAAGACAAC
 AAATTCGGGGCCCTGAACACGGCGGCATGGTGGGGCGGCTCGTTCGTGTATGTGCCAAGGGCGTGATG
 TGGACATTCCGTTGCAGGCCTACTTCCGCATCAACACCCCGAACATGGGACAGTTCGAACGCACGCTGAT
 CATAGCCGACGAAGGTTCATACGTGCATTATGTGGAGGGGTGCACGGCGCCGATCTACTGACCGACTCG
 CTGCACGCCGCGATCGTCGAGATCATCGTGGAGAAGAAGCGCCGCGTCCGGTACACCACCGTGCAGAACT
 GGTCGAACAACGTGTACAATCTCGTCACGCAACGCGCCTATGTGCGCGAGGGCGCCACAATGGAATGGGT
 CGACGGCAACATCGGCTCGAAGGCCACCATGAAATACCCCGCTGCATCCTTGCCGAACCTACGCCAGC
 GCCTCCACGATGTCGCTGGGTTTCGAGGCAAGGGGCGAGTACCAGGACACCGGTGCGAAGATGATTCACT
 TGGCCCCCATACCTCTTCCACCATCGTCGCGAAGTCCATATCGCGAGGAGGTGGGCGTTCCGCCTATCG
 AGGACTTGTCAAGATCGTCGACGGCGCCGAAGGGTTCGAGCTCCAATGTGGTGTGTGATGCGCTGTTGGTC
 GATGACTTCTACGCTCCGACACCTACCCCATGTGGATGTGCGCGAGGACGACGTTTCGATGGCCCATG
 AGGCCACCGTGTGAAGGTCTCGGAGGACCACTCTTCTACCTGATGAGCCGCGGCATTGAGGAGAAGGA
 GGCCATGGCGATGATCGTGCCTGGATTCTGCGAGCCAATCAGCCGCGAGCTGCCCATGGAATACGCGCTC
 GAACTCAACCGTTTGGTTGAATTGCAGATGGAAGGATCGGTGGGCTGACCTATGGCAGACCCAAAGGAAA
 TCAACATCCCGGTGGCGGATCCAAATGACCCGTATGCGATTCCCGCCGCCATGCCGTCGAGTGCCGACAC

GGCGCCACGCTCATTGAGGTGGAGACGTCCCAGTGCCACGCGCAAGCAGGAGGATTGGCGATTACAC
 CCCGTCGACCGCTCAGTGAATTCTTCGATGTGTTTGAACCCAGCGGCCGAACGCAGGTGAGCGTGACGA
 TGATCGATGGCTCCGAGTGGACGGGTCCAAGGTCGATGTGCGCACGGTGAACATGGGCGAAGACCTGAG
 CGGAACCGTGAGTATGCCGAATGACCGTGTCTCCTGCGTGAATGGAACAGTGCCAGGGAATCCACAATC
 ATCGAACTCAAGCAGGATCTCGAGCATCCCGTGTGCTGTTCAAGGTGTTGGAACCGATGACGCTCTGGATG
 CCCTGCATCTGGTCATCGCAGCCGACGCTCGCGTCCATGCCGATGTCGTGTCGAGCACTATGGCAATGC
 CAGACTCGCCGAAGGCGTGGAGATCGTCACCGGCGAGGACTCCACATCAGCACGACCTTCATTACAGGAA
 TGGGATCGTGGCTCCAAGCATGTGGGCAACCATCGCATCCATGTGGGCAAGGAGGCATCGCTGCGTCATT
 CGCAGGTCACGCTCGGTGGCGACGTGGTACGCATCCGCATGGATCAGGATTCGGCGGCGAGCATGGCGA
 GCTCAACATGCTCGGCATTTACTTCGTGATCCGGGCGAGCATATCGAACATCGTACGATGGTCGTGCAC
 AACGAACCCGAATGCAAGTCCCGTGTGGTCTACAAGGGTGGCTGAGCGGCAAGGGCGCCATTCCACAT
 GGGTAGGCAATGCACTGATCCAGCCACCGCACCGGGAACCGACTCCTACGAACTCAACCGCAATCTGGT
 GCTCACGCGGGAGCCGTTGCCGACTCCGAACCGAATCTGGAGATCGAGAACGGCAACATAGTGGGCGCG
 GGGCATGCCAGCTCGGTGGCCGTTTCGACGACGAGGAACTGTTCTACCTGGAATCGCGCGGCATCCCCG
 AGAAAGAGGCTCGAAAGCTCGTGGTGGCGGTTTCTTCGGTGAGCTCGTCGAGGAGATCGGCATCGATGA
 GATCGCCACGCATCTCATGCAGGCCATCGACCGTGCCTGGTGGCGGTGAGAACGAAGCAATGACGAAC
 GTTTTGGAGGAGAAGTAATGTCGACGTTGGAATCAGGGATCTCTACGCATCGGTGGAGACGAAGGAAGG
 CCGCAAGCAGATTCTGCGCGGTGTCAATCTACGGTGAATCCGGCGAGACCCATGCGATCATGGGACCG
 AACGGTTCGGGAAAGTCGACGCTGGCCTACACTCTGGCAGGCCACCCGAAATACGAGGTGGATTCTGGGTG
 AGGTGCTGCTGGACGGCGAGGACATTCTCAAGATGACGCCGGATGAGCGCGCCAAGGCGGGCCTGTTCT
 GGCGATGCAGTACCCGGTCGAGGTTCCCGGCGTCTCCATGACGAACCTTCTGCGCACCGCCGTCACCGAG
 GTCACCGGCAAGGCGCCGGCGATCCGTACGTGGGCGAAGGAGCTTTCAGCGCGATGAAGGACCTCAAGA
 TGGATCCGAAATTCGCTTCGCGCTCCGTCAACGAAGGGTTCTCCGGGGGTGAAAAGAAGCGGGCCGAGGT
 ATTGCAGCTCGAGATGCTCAAGCCGAAGTTGCTATTCTCGACGAGACGGATTCTGGACTTGACGTGAT
 GCGCTGCGCGTGTGTCTGAAGGAGTGAATCATGCCAAGGAGAGCAACGACTTCGGCATCCTCATGGTCA
 CCCATTACACGCTATTCTCAAGTACATCAAGCCGACGTCGTGCATGTGTTGCGACAGGGTCACTTCGT
 GAAGACGGGAGGCCCGGAGTTGGCCGACGAGCTGGAGGAGACCGGTTACGACATGTACCTGCCGGAAGGT
 TCAGATTCCGAATCCGCTTTGGCATGAATGACCCATGACTATTCTGAAGGTGTTGTGATGACGGATATCA
 CTGCGATTGCGATCAATCCCCATTCTCGACCAGCAGATCAATGGCCATCCGCTGGTGTATCTCGACAG
 TGGCGCCACAGCGCAGAAGCCGCAAGTGTGTCATTGACGCCGAATCTCGTTTCTACGAGACGGTCAACGCC
 GGCGTGCATCGCGAGCCCATACCTTGCCGGTCTGTCCACCGTCGCCTTGAACAGGCCCGTCCCAAGG
 TGGCCACACTCGTGGGCGCCTCAGCTGAGGAAGGCAACGAGGAGCTTGTGGTGACCATGGGCGCCACCGA
 CGGCCTCAACACGCTGGCCACGGCGTTCGGCAACGCCTCATTGGGGCGTGGTGGCAAGGTGCTGAGCGT
 TTCGCTTGAAACCGGGCGACGAGATCGTCGTCTCCGCGCGGAACACCATTCCGTACTGCTGCCATTCC
 AAGAACTGCTCGCGCACCGGCGCCACCCTCAAATGGTTGATCTGGATGACGACGGTCGCATCCTCTC
 CAACACCGCAGACGAGGTCATCACGGAACGGACCAAGGTGGTGGCCGTGACCCATGTGGGCAATGTCACC
 GGTGCCATAACCGATATTGCCCCGATTATCAAACGAACCCATGAGGTCGGAGGCGTCTTCATTCTGGACG
 CGTGCCAATCGGTTCCACACATTCCGGTTCGACTTCCATGCGTTGGACGTGGATTTCGCGGTGTTCAAGTGC
 CCACAAGATGTACGGTCCCACTGGCGTGGGCTTCTGTACGGCAAGCGCGATTGTTGGAGGCATTGCCT
 CCGGCCAAGTTCGGCGGTTCCATGGTGCAGCTGGCCTTCGTGGACAGGCCTGCCAGTACATGGCGCCTC
 CGGCACGGTTCGAGGCCGGGACGCAGCCGGTGGCCCAAGTGGTCGACGCGGGTGTGGCGGCGGAATGGAT
 GATGGGCATCGGCATAGAGACGATTGCCGGCCATGAACGCATCATACCGAAGAAGTCTCCGGCTTGCC
 GAAGTCGATGGAGTTCGATTCTGGGCCCCCAGGACGGAACGAACCGCATCGGCACGGTGGCCTTTGAAG
 TGGATGGGGTGCATCCGCACGATGTGGGGCAGTACATCGACGCCAAGGTATCGCGATACGTGTAGGACA
 TCATTGCGCCAGCCCATCCACAGGCATTTCCGGTGTATTGCTTCGAACCGCGCGTCTTCAGGCATATAC
 AACACACCCGAGGATGCACAGGCGTTGGTTGAGGCGGTGGAAGGTGTGCGCCGTTCTTCCTGCAGTGAA
 GGCGTAGGTGTCTCCGTCTATCTGACCGGCGGGGAATAGTCCCGAACGATATATGTTGCTGTGTAGGA

ATGAAGGAAAGGAGCGGGATGGCAGATTTGGGAAGCCAGGAACTCGAGCAGATGTACCAGGAAGTGATTC
 TCGATGCCTCGCGTCATCCACATGGCAGGGGCACACTGACATCGGAGGGCGATCCCGCGGCAATCGGAGG
 CGAGGCGACAGTCACCGCTGTGCATGAGTCCTGCTCCGCAGCACGGTCGCACCAATTCAATCCGACCTGC
 GGCGATGAGGTCACTGTGCATGTGCAAGTGAGCGATAGTGAACCCACCGCATCGAAAGTGTCGTCTGGG
 ATGGTCAAGGATGCTCGATTTACAGGCAAGCCTGTGCATCATGGTCAATCTCGTGGAAGGAAAGACCGT
 CGATGAGGCCATGGAGCTGTTCCGCCAGTTCATAAGCTGATGGAATCGCGAGGGCGCCGGTCTCGATGAC
 GAACAGGCAGAGGATGCGTTGGGTGATGCCGCCGTATTCCAAGGGGTTTCAAATACCCGATGCGCATCA
 AATGCGCATTGCTCGGCTGGGAGGGGCTCAGGGACTCATTGGCGAAGGCCCTCGCATCCCAGCACTCCGA
 GGCAACCGAGCATGACGAGATGAAGGAGGACTGATATGAGCGACAATCTGGTTCCCGAACCGCAATCCAC
 CATCTTCGATGCGGTCAATGCCGTCGTCGGCAATGAGGATGAGGCCAGGCGATCATTGCGAATCCATCG
 TTGGCGAAGGACATTCTGGGCAACGACGACGCATCTGCCGTCAAGTCGGAGTGCTGTGGCGGCCATGGCG
 TCCAGTCGCAAGACCATGAATGCGCATGCCGATCGGATGGCATCGAGCTTAAAGGTGTCGATGAGATCGG
 CCGTGCCACTGCGGCGGATGTGAAGGAGGCCCTGCATCAGGTGATCGATCCGGAAGTGGGCATCGATGTG
 ATCGATCTGGGTTTGGTCTACGGCATTGAGATCGATGAGCTCGGCCGCGCATCATCAGATGACGCTGA
 CGACGCTGCATGCCATTGACCGACCTGATTGAAGACGAATGCGCCAGCACCTTGGCCGGCTTGGTAGA
 GGAGTTCCGCATCGACTGGACTTGGACACCTCGTTGGACCGTCGACAAGATCACGCCGGAAGGCCGTGAC
 CAGCTTGCGGCATTGGGCTTCAACCTCGACAATATGCCACGATACTGAGTTGTGGTATGTGGAAGGGGCC
 GCCTCCAATATATTGGAGGCGGCCCTTCCACATAACCACAACTCGTCACAGGCGGCTAGTCGTCGACCAC
 CGTTCCTTCGGCACACGGTGATGCCGTCGGAGGTCACGGTGAAGCCACGTGCCAAGTCGTGTTGACG
 TCAAGACCAACAGTCGAATTCTCGGTGAGCACCACATTCTGTGAGAATGGCACGGTTCACACGGGCCC
 TGCGGTTGATCTCCACATTGTGCAACAGGATCGAATCATTGACCTGCGACCAGGAATGCACTCGTACATT
 CGGTGAGATCACTGAATGGTGAATCTCGCCACCCGATACGATGACGCCAGGGGAGACGATGGAATCGGTG
 GCGTGTCCGATGCGGTGCGCGGCCGCGATGCACGAACTTGGCCGGCGGAAGATTGCCCGAAGTCTGATAAA
 TCGGCCATTCCATATTGTAAAGTTGAATTCGGGGATGTAGGAGATGAGATCCATATGCGCATCGTAGAA
 CTGCCTGATTGTGCCACGTCGCGCCAGTAGGCATGATCCGTGGTGGTGGCCCTGGAATCTCGTTCCTG
 CTGAAGTCGTAGACGCCGGCCTCGTTGCGTTCGGCGAAGAACGGGGCGATGTCGCCACCCATATCGTGT
 TCGTGTCTCGGCCCTTGCTGTGATGGAGAGCGGTTGAACAACGCGTCGGTGTTCGCAACATAATTGCC
 CATGGAGGCGAGGATCTCATTGCGGTTGTCTGGCAGCCCCGTCGTCTCTTCGGCTTCTCTTGAAGCTT
 TTGATCATATTGCGGTGCTCGGGATCCACCTCGATCACACCGAACTGGCTGGACTGCTCGATCGGCTGGC
 GAATGCCGGCCACAGTGAACCTCGGCGCCCGATTGATGTGCTGGTTCACCATCTGCTCGAAGTCCATGCG
 ATAGACGTGATCAGCCCCGACAATCACCACGATGTCAGGTTGGACATCTTCGATGATGTTGATCGTCTGG
 TACACGGCGTCCGCTGACCCAGATACCAAGTCTTGCCGAGCCGCTGCTGTGCGGGGACGGGGGAGACAT
 AGTTGCCAGCAATGTGGAGAAGCGCCACAGCTGCGAGATATGGCGGTCAAGTGAGTGCGACTTGTACTG
 GGTGAGCACAATCACCTGGCTATACCCGGAATTCACCAGATTGCTCAACGGGAAATCGATGAGTCGGTAT
 ACGCCACCAATGGGACGGCGGGCTTCGCGCGATCCCTGGTCAACGGCATGAGACGTGTTCTTCGCCGC
 CTGCGAGGACGATGGAAAGAATCTTGGGGTTCTTCTTCGCCATAGCAGCTCCTTCTACGGATCCACAGA
 ACCTAATCTGTTGAGCATTATCATTGAAGACACCTCAATAATTGCATAGATTGCTGTGAGGTTAAACC
 GAATCGCCCAAACGCCGTCGTTTTTGCAAGAAAAGCTGGCATATAGGTCAAAATGTGTTGATTATGCTG
 TGGGTTTGCCGTTGTGGCAGTAGGCGTGTCGGGGTGTCAATTTTCGGTTTTCCCGTAAATAACCGCGTTTC
 GCGCCGGTTGCGGGCCGTTGGATTGTGTCATGAGAACACGATCGAAGCGGGCCCGCAGATATCCGATCTG
 CTGGCTGCCGATGCGCAAGAACGGGCACGACCGAAACGGCCGGCAGCGTTGGCAGTGCGACGCCTGCAAG
 GCGACGACGACCGCCTCTGCCGAGGCAAGGGGGCGCGCGGCAAGTGGTGGCCCGGGAGAGCACGAGCGCT
 GGAAGGGCATGCTCGCCGAACGCACGTACGCCAAGGACCATCCCGACGATCCCAAGGCCGCCACGAGCAG
 GAGCGGATGGTGGTGGACCATTTACCGTTACGCCGCGCCTATTTAGGCTTGAACGCCTCTTCAACGAC
 GGCACGCTCTTCTGTCTTTCGACCCACACTGAGCGCACACAGCCCCGTGCCACGCGACAGCGACCGCC
 TCGAGGGAGGGCTCAACGCCGCGCTCAAACGCATGCTCGTCAACCACCGCGGCCTGCCGAGGCACACAT
 GCGCCGCGCCTGCGAATGGCACTGCTATATGCATAGCGCCAAACCCGATCCCGCCACATCCTCAAACAA

CACGACCAGAACACTAAGACCGGCACCAACCACGACAACAACGACGAACCCATGAGCCAACCCACCCTCG
GCACCGGCATCGACTGGAACGAATTCCACACCGCCACCCGATACCCAGACACCACCGACTAAAAGTCTAA
ATCAACACATTTTGACCTATATGCCGAAAGCTCAAAATGTTTCATAATATGGAACCGTTTTCGGAGGATG
TGTCACGCTCCGAATCAGCGGGCATGCTTCAGATCGCGCGTGCTATAAAATGCGACGGCGCTCGATGC
GGCGACGTTGAGGGAGTCCACGTCATGGCTCATGGGAATCTTCACGGTGAGATCGGCATTGCGATCGTA
TGTCGTGACAGTCCGTGCGCTTCCGTGCCGAAGATCAGTGCCAGCTTGTCGATATGCGTGTTGTCGTTGG
CGTGGAGACGCCACACGAGGTCGTCAAGCGAGATTGAGTCATCGGATAGCGCCATCGCCGCGGTGGTGAA
GCCGAGCCCATGCAGTTCCTCCAGACCTGCCATGGCCAGTAGTGACGTCATCGCCCCCTATGCGCGTC
CATGGCACTTGGAACAGTGCCCATCGACACACGGATGGCGCGGCGATACAGGGGGTCTGAGCATGAGG
GCGTGACCAGCACCGCATCGACATCCAACGCCGCTGCCGAACGCATGATGGCTCCGACGTTGGTGTGGTC
CACTATGTTCTCCAGCACGGCGATGCGCGTGGCATTGCGACATACCTCCGCCACAGTGGGAAGCTCCCAA
CGATGCATGGCAGCCAACGCCCCGCGGTGACGCCGGTAGCCGGTGATGCGCCTGAGCTGTTGGGAGAGG
CGACGTAGACGGGAATGTCGTGCGCCCAAGTGTTCATCGATGAACGCGAAGATGTCGGCCATGCCCTCGAT
CCATGGTTCCTCCACCAGCAAGGAAATCGGTTGGCGTCTGCGGCCAATGCGCGCGTGATCACCTGGGT
GATTCCGCTATGAATATGCTTTGCTTGGTTCAAGCCGATTGCGTAGCTGAAGTTCGGTGAGATTGCTGT
ATGCTCCACCTGAGGGTTCATCGATGGACTCGAGATGCACCAGCTGCATGATTGCTTTCCGAATGGGGA
AATAAAAAACCGGCTCCCAAAGGAGCCGGTAGCTGGTGTCCGAGCGGGACTTGAACCCGCACGCTGTA
TAAATAGGCACTAGCACCTCAAGCTAGCGCGTCTACCATTCCGCCACCCGACAGGTGCGTTGCAGCGC
AACAGAAAGAAAATATACGCGAATATACGGATCAATGCAAAATCGGCGTGTCGTGTTTTGAGGCCGACGC
CAAGGGGTTGGAATCAAGGGAAAACGGTTACCCATATGCGCTAGGGTACAATATGACCGACGCAATGT
TTGTGGTGGATACGACAGTGACGATGCTCCGCTGAGCAGTGATGAACTGCAGACAGGGTGGACCCTGCG
ATTGCCCGAGGAGGTGAGGCGACATGCCATCGGCTCCATGCGCCTGAAGGAAGGCGATGAGCTGCAGCTT
TCCGACGGCACGGGGTTGCGCATTAGGCTGTGGTGGACGATCCCAAGTCGGGCATCGTCAGGGTGCTCG
GATTACCAAGGAGGAACGCCCTGTGGTCAGATTGGGCCTCATTAGGCTCTGGCCAAGAATGGGCACGA
TGAGCAGGCGATCGATATGGCCACGCAGATTGGGGTGGACGAGGTGACACCCTGGCAGGCGGACCGTTCC
ATCGCAAGATTCAAAGCGGGGCGCACCGATCGCAAATGGATGCAGACGCTGCGTGCGGCCACCGAGCAAT
CTCGGCGCGCATTATTCCCGAACTGCACGGCATGGCAACAAGCAAGCAGGTTCTTGCCATGATTCGGCG
TGACATGGTGCATGGCAATCTGGTCATCGTGCTCCATCAGGACGCGAACGCCACATGGTCGGACGTCGAA
CGCCAGGTTGAGGAGCTTGCTGCGAAATGCCTGGATGACGGCAAGGAACGGACGGTCAGCGTGTTGTGG
GTCCTGAAGGCGGCATCAGCGATCAGGAGGTGCAAGTCTTCGCCGAGGCGGGCGGTTGGTCTGCGTGCT
GGGGCGCAACATCCTGCGCGCCTCGGCTGACGGCCCCGTGGCGCTTGGGCTGCTGAGCCGTGCGATAGGC
AGGTACTGTTGAGCGGACGACGCGTTCTTCATGGAATGAATATGCGCGCGGATTGGTAGTATGGGCAGA
GGAAAAATCCATCAGCCAAGGAGTGAGACGGTATGAAAGACGCGGATTGCTGTTCTGCAAGATCATTG
ACTGCGAGGTGCCGAGTGAGAAGGTGTTGCAAGATGCGCAGGTGTATGCGTTCAAAGACATCAATCCAAA
GGCCAAGGTGCATGTGCTGGTGGTGCCTCGCGACCATTACCGCAACGTCGACGCATTGGCGCAGGCCGAC
CCGGCATTGTTGGCGCATATGGTCGAAGTGGCCAGGGCATTGCCGATGACGCATATAACGGCTCGTACC
GCCTGATCTTCAACACCGGAGAGGACGCCGGGACAGCGGTGTTCCACGTGCATGCGCATGTGCTACCCGG
CGAGCCCATGGAAGAATGACACGATATCTCTCAAGACACCACAGACGTATAGAACATGTAGAAGAGGAG
CAGTTGGCGACTACAACACGAACGGTCGATATTCGGAACAGCTGGATTCCGTGAAAGTACTCGGAGTGT
ACGATGAGGTGATTGCGGAGATCGAACGCGAATACAAGGAGATTACCGTGCATGTGCGCGGCAATCGCAT
CACCATCACCTCCACCTCGCGGCAAGGCGAGCGGAGGCGTCGAGGCGCAGGAGCTATTGCGGCACTC
ATCGATGCGGCTTACACAGTCCGCTCGACGCAGCCACGGTTCGCCGTATGCTGGAACAGCAGGTGTTGC
ATAACGATGTACGCGACGAGGTGCCCGCCATGGTCCGACCGTGCAGAAGCTGCGCAGGTTCAAGGAGCA
TGAGCGCACGCAGGCGCGACAGATTGAGTCCGTTTCATCGCAAGCCGAGTGTGCCAGGGACCATCACCTAT
GCCGCCGGGTATCCGGTGGCGCCGAAGACCTCCGGTCAGATCGCCTATGTGAACGCCATAGAGTCGAATA
CAATCACATTCGGCATTGGCCCTGCTGGTACCGGCAAGACATATCTGGCCGTGGCCAAGGCCGTAAGCGA
CTTCGAGGAGGGGCGTGTCAGGCGCATCATCTCACCCGTCCCGCGTGCAGGCGGGGGAGAACCCTCGGC

TTCCTGCCGGGCACGCTCAACGAGAAGGTGGATCCATATCTGCGGCCGCTGTACGACGCGCTCTCCGACA
 TGCTCGGTGCTGAACGGATGAAGCGGTATCTCGACGACGGGACCATTGAGGTGGCTCCGCTGGCGTATAT
 GCGTGGCCGAACGCTGAATGATGCGTTCGTGATTCTCGACGAGGCGCAGAACACGACGAGTCAGCAGATG
 AAGATGTTCTCACCAGACTCGGGTTCAACACGAAGATGGTGATCACCGGCGATATCACACAGGTCGACC
 TCGATGTGCCGCGTTCGGGGCTTGCCTCGATCGAATCGATTCTCGGGGGCATAGACGACATCGCGTTCGT
 GCATCTGGGGGCTTCGGACGTGGTGCGTCATGCGTTGGTGGGCAGGATTGTGGCCGCATACGAGTCGCAT
 GATGACGCGGCACGGAGGCGCAAAGGCGGCAAAGATGCGAGAATAACGCACACGGCGGCACCTGGTCGCG
 GTGACGATGATGACAGGAATGCGATGGTGGTGGACGATGAGCGTTGAAGTCGCCAATGAGACGGAATGGC
 AGTTGGATCCCAAAGTGTCTCGGAACCTCGGCCTGTGGGTGATGCACCGATGCGGGTGAGCACGCAGTC
 CGAGCTACCATCACCTTCGTGGACCCGGAACCGATCGCAGAGCTGCATGAACGTTGGATGGACCTTCAG
 GGGCCAACCGACGTGATGAGCTTCCCGATGGATGAACTGCGCCCGGGGGACGAGCGGAACGAACAGAGG
 GGATGCTCGGCGACATCGTGATCTGCCCCTGGGTGGCGCAGCAACAGGCTCAGGCGGCCGGTTCACAGCAC
 GATGGAGGAGATGATGCTGCTCACCATTGATGGTGTGCTGCACCTGCTGGGGTATGACCATCACACACGG
 GAGCAGGAACGGCAGATGTTCCGGGCTGCAGCGCCAGCTGCTGCTCACGTTCTTCGATTGCACCATGGCA
 CAGCCTGGTCCGCGACGCTTCCCTCCGGATCGGTGAACGAACCTCGAGGTGTACGAACGCAAATACGGCAC
 GAACCGTGAGCTTGGACACTGAACGTAGGGGGCATTGAAGTGACGAACCTGAGAATCGTCACGGTGGTGG
 CGCTGGTTGTCGTGGCCATCGTACTGTTCTGGCAATCACTGCTCATGGCGTCGCTTGAAGCGCCATTGT
 GCGGGTGACCAGGGCGAATCTGAACAACCTGATGATCGAGGCGCAGACCGATTCCGAATTGAGCCAGTTC
 ACCCGGCAGAAGAAGATCGCGAAGATCCATCGCGTGCAGCATCTCGTTGCAAACCGGCATGCCACGTCTT
 CGGCCTGCGCTTTTCTGCGTATTCTGAGCAATGTGCTCATCGGGGCTGTGTGGTATGCATTGCGGCCAT
 ATTCGCCAGTCCGGTATGGCTGCAACTCATCTATGGCGTGCTTGCCGCTCTGGTGGTGCAGTTCGTGTGCG
 GTGTTGGCCAGACCGCGTTCCTGGGTTCCGACAAGCCGCTGGAGATTTTGTGGCATACTCCCATTTGG
 CCTCATTTGCCTATGCCTGTGCGCCGTTCTGCACCCGCGCAAGTGAAGAGCGCGCGCAAGACCGAGCT
 CTCGGAGAACGAGGAGCTCGAGGAGATTCATCTTGAGCAGGGGCGCGCCGCCATCAATCGTGTGCTGGAG
 ACGAACCGGTTCCGACCCAGAGGTCTCCGAAATGCTGCACAATGTGCTGGCGCTATCCGATTCCCTCACGC
 GCGAGATCATGGTGCCTCGCACCGACATGATCTGCATTGAAAAGGACGACACGCTGGAGGACTTCTCAA
 ACTGTGCTCGCGTTCGGGCTATTGCGCGATTCCGGTGATTGGCAATGACATAGACGACCTGCTCGGCATC
 GCATACATGAAGGATGCCGTGCGTGCGACGATCTTCAACAATGCCGCGTTGAGCCGGGCCATCGAATCGA
 TTATGCGCAAGCCCATGCTCGTGCCCGAGCTGAAGCCGGCCGACGATCTGTTCCATGAGATGCAGCAGAC
 CTGCCACCATGTTGCCGTCGTGCTCGATGAGTACGGCGGTATCGCGGGCATGGTCACCATAGAGGATGCG
 CTCGAGCAGATCGTGGGGGAGCTGCAGGACGAGCATGATCACACCCAGCATGGCGAGCCGCGTCAGATAG
 GCGAACATAAGTGAGCATGCCGGCGCGCACTCCGATTGCCGAATTGGAAGACATCTTCGAGATCGATCT
 CGACGAAGATGACGTGGATACCGTGACGGATTGCTCACCAAACCTGCTGGGACGTGTGCCGATCGTGGGG
 TCGAGTGCCGTACGCGCGGTCTGCGTCTACCGCAGTGATTCCGCGGGGCGCCGCAAGAAAGCCTCCA
 CCATTGTTGTGCAACCGGAGTCCGATGTGATCAGACTACCTTGGAATCCGACGCTGATTCCCCGGAATC
 GAACTCCACCAAGAAAGAACAGGATTGATATGGCTGACCAGACACATACCAAGGGGGTTCGACGCTGTTTC
 CGGCGTCACTCCTTACCGTTCGGGCTTCTGTTGCCGTGCTGGGACGCCCCGAATGTCGGCAAATCGACGCTG
 ATCAACGCGCTCATCGGCATGCAGATCGCCATTGCGTCATCACGGCCGGAGACGACCCGCAAGGCGATTTC
 GCGGCGTGCTACCAACGACAACGCCAGATCGTGCTGCTGACACGCGGGGCATACACAGGCCCGGCAC
 GCTGCTTGGCCAACGTCTCAACGATGTGGTGGACGAATCATTGGCGGACAGCGACGAAATCGATTCTCTG
 CTGCCGGCGGATCAGGAGATCGGTCCCGGTGACCGGCGCATCTGAGCAGACTGCGTTCCAGTTCCGCCA
 CGAAGAACGATGACGGTACCTTCAAATGGAAGGTGCCGTTATCGCCATCGTGACGAAGATCGACCGTCT
 GAACCGCACCGAACTCGTCAACAAGCTCATCGAGATCAATGAATTGCGGATTTCCCGACATCGTGCCG
 GTGAGTGCGCTCGGGGACGACAACTGCGAGGAGGTGCGCACGGTGTGCTCATCGAGCATCTGCCGGAGGGGC
 CGCAGATGTACCCGACGGATCAGGTGACCGAGGAACGCCGGAGGATGCCATCGCCGAGCTGGTGCGCGG
 GGTGCTGCTCGAGGAGCTCGACGATGAATTGCCCCATTCCCTCGCCGTGCTGGTTCGATTCCATCGACATG
 CCGGAAGACATGGATGAGGACGATGCGCAGGCCATGCATGGCAAAGCACGTGTGATGGTGTCCATCTACG

TGGAACGCGATTTCGAGAACGCCGATCATCATCGGCAGGCACGCCGAGCATCTTGTGCGCATCAAGAAGCG
 ATTGCGCACCCCCGTCAATCGTCTTGTGGGACGCAAGGCGAATCTTGACCTCCATGTCAAGGTGGCGAAG
 AACTGGCAGTCCGACCCCAAGAACTCGACAGATTGGGCTTCTAATCCATTGATATGGGAAGGCTCCCGT
 CATATGACATATGACGGGAGCCTTCCCATATCAATGGATGCAGCGGTATCAGCCTCGTTGAGAATCCTCG
 GAAGCGGGCTTGCCTTGGTGACATCTGCGTGTTGAGCAGCGTGTTGTAGCGCTTGAGCACCTTCGGGC
 GAATGATCTTCATGGAGGCGGTCATCAGGCCGTTCTCCTGCGTGAATTCCTCGGGAAGAATGATGAACCTT
 GCGCACCGATTCCGCCCGGGAGACGCCTTCGTTGGCCTGATCGACCCACTTCTGCACTTCCGCGCGCACG
 GCGGCGTTCTGTGCGGCGTCTCCATGGTCATGCCCCGAATCGAGGCCCTGCTTGGCAAGCCATGGGCGCA
 GCGAGTCTCATCAAGGTGATGAGCGCGGAGATGAACGGACGCTTATCACCGAGCACCAACGCCTGGGA
 AACGAACGGGCAGCGCTTGATCACTTCTCCATGGGGCCCGGAGAGACGTTCTTGCCGCCGGCGGTGATG
 ATAAGGTCTTCTTGCCTCCGATGATGAACAGGAAGCCGTGCTCATCGAGCCGCCAAGATCGCCGGTGC
 GATACCAGCCATCGTCGGTGAAGCTCAGCTCGGTTTCTCCTCGTTCTTGTGATAGCGCTTGAACACCGG
 GACGCCCTTGACCTGAATCTCGTTGCCGTCTCCGATGCGCACCTGGAAGCCCGGGAACGGGATGCCAACC
 GAACCTTGGTGGTATGGCACAGTCAGCGGGTTGAAGGCGCAAGGGGCGGTGGTTTCGGTAAGTCCGTATC
 CCTCGTACACGGGAATGCCGCGCCGCGGAAGAACGCCATGAGATCGGGGTCGAGCGGTGCGCCGCCGT
 CACAATCCATTTTGCAGACCGCCGAGGGCGTCGCAATCGAAGAGTAGACCATCGGGTGAACATGTTG
 CGTCGTGCGGTGACGAAGCGGCTCGCCTTGCCTTCTCGCTCACCTCTGCATGTACTTCTGAGCGGCGA
 CCACCGAGGCGGCAAAGACGCGGCCCTTCGGGCCGTTGCCGCCCTTCTGCGAGGCGGCGTTGTAGACCTT
 CTCGAGCACACGCGGCACACGATCATGATGTGCGGACGTGCCACTTTGAGGTCGGCGGTGAGGGTCTTG
 ATGCCACGGGCGATATAGATATGGATGTCACTGGCGACGCAGATGTAGTTGATGGCACGGGCGAACGAAT
 GTGCTGCGGCAGGAACAGGAGCACGCGGTTGCGCTTGTATGCAGCAAATCGGGCATATAATCCGGCAG
 GTTCGTGGCGGTGGAGCAGTAATGGGCCTGCGTCATCTCGACGCCCTTCGGCGCAGCCGTGGAGCCCGAG
 GTGTACACGATGGAACACAGATCGGTCTTCTTACGCTGCGAATGCGCTCGTCGAGCTTCTCGTCGGAGA
 TGGACGAGCCGTAGGCCCTTCAACTCATCGAGCGCCCCGTTCTCCAGGCACATGACGTCTTGAGCGTCGG
 GCAGTCTCTTCGCCAGATCCGTCTTCTCATCATGTCCTTGGTTTCGACCACAAGGAGCTTCGCGTCG
 GAATTGTCGACGATGTTGCGGATCTGCTCGGCGGAATCGGTGTCGTAGATCGTGCGGATCACACCGCCGA
 TGGAGAGCACCGCGCCATCGAAGACATCCCATTCATAGGAGGTGTGGCACATGAACGCCACCCCGTCGCC
 CTTCTGAGCCCCCTGATGCATGAGGCCCTTGCCACCTGACGGATGTCGTCCAAGGTCTCGCGTGCAGTC
 TTGGTGACCCATTTCATCGCCCTGCTTGAACGTGTACAGACCTCGTCAGGCATACGTTCCGGCACGGCTTT
 CATAGATGTTGTAGATGCTGAAGTTCTCCGGTAATGGCTTGTGCTTCGGTGTGGCCGTGATGAAATC
 AGAGTCGGCATCGATGAACGTGGTGGTGGCCTGTCCGACCCAGAAAGTCGACATGTGGCAGGTCTCTG
 TAGTTATGATGCTGTGGAGTGATCTGCGGATCGATATAGTCCGGGGTGTGCCATTGGCGTTGATCGGGT
 GCGAGAAATCACACCCAATTGCAGCAGCTTCTGCGTCGCATCGGACGCAGACTTCTTGACCTTCGAGAA
 AACGGACATGGCACTCTCATCGTTTGATAAAACCTTCTACGCGAAGTCTAGCCGTAATAATCGTCCGCCG
 TCACCTTACGCTTTTCTAATGATGACTTCTGGCGTAATTAGTCACGCCTTGGACGAATGAGGGGGAGTCG
 GTGGCCCTGCTGTGGTAGAGCGGTGCGCAAAAGTATTCGATACATGGACTTTTCCATGGTGTACATGCA
 TGTTTCGTTAGACTGGGCGCTGTATGTTACCATTCATCCGGGGATGCATAGAAAGGGTTTCATATGGC
 TCAAACACCAGAAGCCAACGTGGTCTTCGGCGTTTTCAATGAGACGTCAGACCATGAATCCGCGTCGCG
 TTGACGCCGATACCGTGACCCGCTGCGCAAGGCGGGGTCACATGCATGATTGAGCAGGGCGCCGGGA
 ACGCAGCCGCTACACCGACGAGGATTACGCCAAGGTGCGCGCCACCGTTTGCACTGCCGACGATATACT
 CGCCAAGGCCGATGCCCTCGGCTTCGTGATCGGCCATCCGAGCAGATGATCGGTGCGATCAAGCCGGGC
 ACCTGGGTATAGGCATGCTGAGCTCATTACCGACGAGGACTATGTGGCGGCGCTGGCAAGCGCCGGCA
 TAACCGCCGTCGCCATCGAACGTCTGCCACGCCAGCTCAGCTCAGCCAGTCGATGGACGAGATGACCTC
 GCAGAATTGGTGATGGGCTACAAGGCGGTGCTGGTGGCCGCCAACGCCTACGGTTCCTTCTGCGGATG
 ATGACCACGGGTGAGGCACCATCCGTCCGGCTAAGATGCTCATTCTCGGCGCCGGAATCGCCGGCCTGC
 AGGCCATTGGCACCGCCAGAAGACTCGGTGCCGTGGTGACGGCGTACGATGTTCTGTCGCCCTCGAAGTC
 CGAGGTGGAATCGCTTGGTGCCAAGTTCCTCGACCTCGGTATCGACCTGTCCCGTGGACAGGGCGAGGGC

GGTTACGCCCCTGCGTTGAGTGCCGAGGAGCAGGCGCAGCAGCAGGCGGCCGTGGACCGAAAGGCCGCGG
 AATTCGACATCATCATCACCACCGCCAAGGTTCCCGGCCGTAAACCCCCCATGCTGCTACCAAGGCCGG
 TGTGGGTGGTCTGCACCGCGGCAGTGTCTTGTGATTGCGCGGCCAGCGAGCTGGGCGGCAACGTGGAG
 GGCTCGCAAATAGGAACGCAGGTGACTGACGGCGGTGTGACCGTCATCGGCGCCCCGTATCTGGCCAGCG
 AGGTGAGCACCACCGCTCCAATCTGCTCAGCCGCAACGTGGCGGATGTCCTCGCCACTTCTGGTGAA
 CGGCAGACTCGAAGTGAGGCAGGGCGAAGAGCTCGACGATGCGATGGTGGTCGCCCACACGCATGCCGAC
 AGCAACGACGACAAGAAGAAAGGGGAGTGACGATGCCAGATCTGGTCGTATCGATCACCTGTTTCATCCT
 CGCACTGATCATTGGCATAGAGGTATCGGAAAAGTGCCGGCGACGCTGCACACGCCATTGATGTCAGGT
 GCGAACTCCATCCACGGCATCGTCATCGTCGGTGTCTCATCGTGGCCGCCGAGGCCAACAACTGGCTCT
 CCTATGTGTTTCATCTTCTCGCGGCGGTGCTGGGAACAATGAACGTCGTGGGTGGCTATGTGGTCACCGA
 CCGCATGCTCGAGATGTTCAAGAGTAACAAAGATGACGCCAAGGGGAAGGGAGGCGACAAGTAATGAACA
 CCACGCCAATCGATATTATCGCATGGTTCGCATACCTGCTGTCCGCCGTGATGTTCTGTCATGGGTCTTCA
 TTACATGAATTCCCCGAAGACGGCGCGTAAGGGCAACTTCATCTCGGCGGCCGGCATGGTGGTCGCCGTG
 GTCATGGCCTTCGTCAAACCTGTTTCATCACCAGGATTCGAGAATGCAATCGCCATCTGGCTGCTGATCGCAG
 GCATCATCATAGGTGCCGTGCGGCGGTGCGCTCGGCGAAGAGGGTCAAGATGACCGACATGCCGCAGCT
 CGTCTCCGTGTTCAACACCGTGGGCGGCGGTGCGGCGGCCCTTGTCGCGCTCAATGACATCCTCGCCGGG
 GAGGGCACTCCGAGCATCGTCGTGCTCATCACCCTGGTCTGGGCGTCATGATCGGTTCCGTAACCTTCA
 CCGGTTTCGTTATCGCCGCCGGCAAGCTGCAGGGCGTCAAATGGGTGAGGAACCTCTCGCTGCCCGGCAA
 GAGCTTTTGAACATCCTGTTTCATCGTGCTCATGGTCGCTCATTCTGCTGTTGTGCGTGTTCGCCGAG
 CAGCGCTCCTGTGGGCGATCCTCACCACCGTGTTCGCTTGTGCTACGGCCTGGTGTTCGTCATTCCGA
 TCGGCGGTGCCGACATGCCGGTGGTCATCTCGGTGCTCAATGCGTGCACCGGCACTGCCGTGCAATGTC
 CGGCTTGGCCATTGACAATGTGGCGCTCATCATCGTGGCGCCCTCGTCGGTCTGCCGGCGTGACGCTC
 TCCGTGCTCATGTGCAAGGCCATGAACCGTCCGCTCATGTGCGTGTGTCGGGCGGCTTCCGGCGGTTCCA
 ATGCATCCGCCGGTGATGGCGAGGGGCCGGAAGGCACGATGAAGGAAACGTCGGCAGACGATCTCGCGGT
 GCAGCTCGTCTATGCCGACAAGGTCATCTTCGTACCTGGATTCTGGTCTGGCGCAGGCGCAGGCGCAGCGT
 GAACTCGCCGATCTGGGCGAACTGCTCAAGGAGCATGGCGTTGAGGTGCAATATGCGATCCATCCAGTGG
 CCGGTGATGCCCCGTATATGAACGTGCTCCTCGCAGAGGCGAACGTGCCCTACGACGAGCTCGTCGA
 TCTCGACGACATCAATCCGCAGTTCGCCGGCCCAATGTCTATTGGTCGTCGGCGCGAACGATGTGACG
 AACCCGGCCGCACGACGACCCGGTACGCCGGTCTCGGGCATGCCATCCTCGACGTCGACAAGTCGCAGA
 ACGTCGTCGTGATGAAGCGTGCCGTGGCAAGGGCTACGCCGGCATCGAGAACGAGCTGTACTACGAAGA
 CAACACGACGATGCTGTTGGCGATGCCAAGCAGAGCCTGCAGTCCGTCATCGCGGTGTCAAGGAGCTG
 CTCGGCTGAGTCCGCGGCCATTTCCATGGATTGAAGTATTGAATAGATGGATGGGGGAGGGTCCCCTG
 TGGCGGGACCTGCCCCATCCATCGCTATTGGGGATGGAATCGGCGATCAGTCTGCCATGTGCAGGCAG
 CGGCGTAGGAAGGCGTCCACCGTGTCCAATACAGATTCTATCGGTGGTCAGGCCGAGTATATGACCTG
 CGCCATGCACCTGCAATCTCGCCTTACGGGGCTGGCGCATGCGGTATATAGTCTGCCAGCATATGCGG
 GCTGACGATGTCGTCCTGGTCCCCTGAATGAACAGTATCGGCAACGTGGTGCATGACGCTGTTTCGATC
 GCATTGCGCTGACGGAATCCGAAGCCGAGACTGAGCCTGTTACCAGACTGGCGCAATCCACCATCGGT
 TGGCCATCCATTGGGCGAGTGAAGCATTGCGGAGACCGAATCGAGCATCTGGTCGTATTTCGTAGAGAA
 CCCACTGTCGACGACGGCGCACACCAGTTGCGAGCCAGACGCGGGTGGCACAGACGTCGAGTATCGTG
 GCGGCGCCCATCGAATTGCCATGCAGCAGTATGCGGGCGTCAGGGTCACGGGCCACAATCGAGTTGACCC
 AGCGCAGCAGGTCTCACGCTCCAGCCAGCCATGCCGACGAAGCGGCCCTCGCTCAGTTCATGGGCACG
 TTGCGCCGGCACCAGCACCCTCATGCCGAGATTGGCGTAATGGTATGCCAAGGTGCCATCTCCTCGGGA
 CCTCCGGTGTAGCCATGCATGCAATGGCATGGGTATGGGGCAGTGGCGCGGCCGTGTTTCGATCGAAAC
 GCCATGCATGCAGTTTTCAGCCGTCATAGCTGCGTATCTGCTCGGCATGTCTGGTCTGTTTCGAACACAG
 CTGCGCCTGCGTATCCTCCGCTGCCCGATGCGCCGGTCTGCTGGGCGAAAGCGCTGCGTGACTTGTG
 CGGAACAACGAACGGTTGGATTGCGAATCGAAGGTGACGGAAAAGATCGTCTCCCCGGCGGCGAGGATCA
 TGCCACAGGCCAGCATCGTTCCGGCTGCGGCTCCCATATATGGCCATGCGCTCGATATTCGTTTCGTCAT

GTCTGCCTCCACACCCGCAAGTCGTTCCGTTGTCATACCGAGCCGCGGCGTTCTGATTGCATGGTACTG
 CATAACGAATATATATGGTATTGCTCTCCGTCATGTCGCGGCTGCCGGTAGTGTTGAGGAGTTGCTTTG
 GCGAGGGAGGCCGGTCCGCTCCGTCATCGACTCGGCAAAAAGTGGGCTCCTTGGGGCCGCTTTGGCTCG
 TTGATGCGTCAAGTGGAACAAGGAGGAATGCAACATGGCTAACAATAGCATTGTTCTCGAAGGCGAACT
 GCGCACCGAGTTTGGCAAGGGCCCTGCCCCGCCGATGCGCGTTGCCAAGGAGATCCCGGCGACCATCTAC
 GCAGGTGGCGACCAGCCGGTGTATGTGAAGCTGCCGATGCGTGAGACGTCGCTGGCCCTGCGCCACACCA
 ACGCACTGTTACCATCAAGTTCGGCGCCGACTCCAAGCTCGCTGTCGTCAGGATGTGCAGCGCAACCC
 GGTCAAGCGCATCATCGAGCACATCGACTTCTATGAGGTCAAGGCCGGCGAGAAGATCGAAGTCGAGGTT
 CCGGTCTTCGTCGAAGGCACCCCGAAGGGTGGCGCCATCGCAGTGGTTGATGCGCAGGAGCTCAAGGTCC
 GCGCAGATGTCTCAAACCTCCCGAGCGCATCGTCGTCTCCGTCGAGGGCCTGCAGGATGGCGACAACAT
 CTTCGCCAGGGATCTCGAGCTGCCGGAGGGTGTGCGAGCTCGATATCGCCGATCCGGAGGAATCCGTGGTC
 ACCATCGAGATCCCGCAGGAGGATCCTGCCGATTTGAGACCGCTGAGCCGGCAGATGCCGTTCCGGCGG
 AAGATGAGAAGGACGCGAGGCGCAGAGGCTGAGCCGTTGCGGAATCCGTGTAAAGGACCCGTCGTCTTCG
 GCGGGTCTTTACGCATATGGAATCAAGATGTCCGTTGCTGACGGTGAGATATTTCAAATATGAACCG
 GCTTTGCGCATTGTAACGGGGTGTGTTTACAGTAACAGACAAATCGGTGCCACAAGCGCTGCAAAAGCC
 AACATATTCAGAATGATTCAAAGAAGCGAGAAAATGACCAACGATTCTCATACAATCCAGAAGCCCT
 CGACAAGCTCGCCGAGGACTGGACTGTTCTGCCAATCCGAACCCGGCATCCGATGCGAAACGAGAGGAG
 CTCATCGATAGGCCGGCATTCCGGCAGGTGTTCTCCGACAGCATGGCCACATGACCTGGACCAAGGGCG
 AAGGCTGGAACGACCGCCGCATCGAGCCGTATGCGCCGCTGAAGATGGATCCGGGCGCCTCGGTGCTCCA
 TTATGCGCAGGAGTGTTCGAGGGGCTCAAGGCATATCGCCATGCCGACGGTTCCACTTGGCTGTTCCGC
 CCGTACTGCAATGCGGAACGTCTGCAGAATCCGCCAAGCGCCTGTATCTGCCTGAAGTGCCCATCGATG
 ATTTCTGGGTTCTGCGCCGCGCTTGTCGAACAGGATGTGAAGTGGGTGCCGAGCCGCCGTGAATACAC
 GCTCTACCTGCGTCCGTTCAATTTGCGCTCCGAGGCGTTCTCGGTGTGCGTGCGCCCGAGGAGGTGAG
 TATTGCGTGATCGTTCCCGTCCGGTCCGTATTTCCCGGGTGGTGTGAAGCCGGTGAGCATCTGGGTGG
 AGGACAAGTGGTTCGCGACCGGTCCCGGTGGCACCAGTTTCGCCAAGTGCGGTGGCAATTATGCCGCATC
 GTTGCTCGGCGAGTACCGTGGCATCTCCGAGGGCTGCGAACAGGTCTGCTTCGTCGATGCCGCGACGAAG
 ACCTATCTTGAGGAACTCGGTGGCATGAACATGATGGTCGTGTACAAGGATGGCCATGTGGAGACCCCGA
 GCCTAACCGGCAACATCCTCCCTGGTGTACCCGTCGTTTCGATTATCCAGCTGCTTGAGGACGATGGCCA
 TGACGTCGTCGAGACGATGATCGCCTTGACCAGCTGCTCGACGACATCAAGTCCGGCAAGGTCACCGAG
 GTCTTCGCCTGCGGCACCGCGGCGATCGTCACCCCGATCGGCCGTTTCAAGTCCGAGAAGTTGATGTCA
 CCGTCGGCGACGGCGAACCGGGCGAGCTCACGATGGCGATTGCAATCAGTTGCTGGGCATCCAGCTCGG
 TGAGATCGCCGATCCGCACGACTGGATGTGGAAGGTGTGCTGAGCCGACACCAAGTGGCAACCGCATATGC
 GGTGTGAAGGACGATGCTTACGGCATCGCCCTTTTCCGTTGTAGTCTTGAATGTGCAGTATACGCACT
 GGCGGAACAGGAAGTCTGATTCATGGAATAGCGTTGCAGAGCACACCGTTCTTCCAGGCGGTGAGTAC
 CTTGCGATCTTCTTTCGCGCATGGCCGGGGGACTGACGGCGGTACGCAAGCGCTATGACGTCTCATCGA
 TCATCATCATCGCATGGATACCGCGCTTGAGGCGGAATCATACGTGATGTGCTGCTCGGGGCGTTACC
 ACCGGTGGGAATCTCCGACATGGGGTCGGTGCTTACTGCGTTGCCCGCCGGGGCGGTTACGGCCGTGGTG
 CATCCGGAGGTGACAAACTCAAATGGTCCATGATCACCATCGATGCGCTGGCACTTGGCCTGTTGCGGG
 TGAACGGCACGAGTAAGGCCCTCCTGTACAACACCTCGGGCATGACCGCAGTGTCTTGGGTACGTTAC
 GGCGATGGGCGGCGGGGTGATTCGCGATATGCTCGTCAATGAGGTGCCGATGGTGGTGCGGATCCCCAT
 CTCTATGTGGTGCCGGCGGTGCTTGGCAGCATCTTACCCTATGGGTATGGCGCGCTCATACTGGCCGGC
 TGATCGGGGACAATACGGAGATGCTCCTCGATGTGGTGATTGTGCTTGTGGTGATTGTGCTGCGCATCTG
 CTCGGTGAATTCACATTGACTGCCGGGCGCGGTGCAACGACACCGTGTGCATCTGCCGGCCACGCTG
 CTGAGGGGAGAGAGGGGCGCAGACGGACACCGAGGGCAGCGTCGGAAGCCGCACCGGATTCCAAGGATG
 CTCCGGGACCCCGCGCGGTGATCCGGCGTCAAGCTGATCGGACGAACGCTCGCTCCTTCCAGATATCCG
 CATACGCAAAAGAAAAGACCCCGCGGTTGGACCGGGGCTTTGCATATGCGAACGAATCACATGGCGTT
 GATCTGCAGAGCGAGGCTGGATTACGGTTCGAGCCTGGTTCTTGGCGATGACGCCCTTGCTGCAGCC

TGGTCGAGCTTGCGGCCAGCGATAGCGAAGGCGGCCTCAGCGGCGGCCTTGTCGCCGGAAGCGATGGCTT
 CGCGGGTGCGACGGATGTAGGTCTTCAGAGCGGACTTGACCGCAACGTTGCGCTGATGCGCCTTCTCGTT
 CGTGCGAACGCGCTTCTTCTGCGACTTGATGTTTGCCACTATCTATTCTCCAAACGAAGTGTTTCTATAA
 GGACATACAAATGAGAAGAATACCATGATGCGGGGATAAACGGAAGGTGTCGGATTCCGTGGGCTTGCCG
 TGGCGTATGGGTAGAATCATACAGTTACCAACGTATAGGAGGGTTCGTGAGCGAGCAGCATAAACCAGCCG
 GGATTCACCGATCAGTCGTTGATCCGTAATTTCTGCATCATCGCGCATATTGATCATGGCAAATCAACCG
 TTGCAGACCGCATCCTCCAGCTTTCGGGAATCGTACCCGAACGCGAGATGCGCGACCGGTTCTCGACCG
 CATGGACATCGAGCAGGAGAGGGGCATCACGATCAAATCGCAGGCCGTGCGTGTGCCATGGTCTATGAC
 GGTCAGGAGTACACCCTCGGCATGATCGACACCCCGGACACGTCGATTTACGTACGAGGTCTCGCGAG
 CTTGCGGGCATGCGAGGGGGCTGTGCTGCTCGTGAGCGCCACGCGAGGGAATCGAGGCGCAGACACTGAG
 CAATCTGTACATGGCCATCGACCACGACCTCACCATCATCCCCGTGCTCAACAAGATCGATCTGCCAGC
 GCCGAACCCGACAAACACGCCGAGGAGATCGCCAGTCTCATCGGCTGCGAGCCGAGCGACGTGCTGCGCG
 TCTCCGAAAGACGGGGGAAGGTGTGCGCGAGCTGCTCGACCGCATCGTCGTCGACGTGCCGGCACCCAC
 CGGTGATCCCGATGCGGACGCCCCTGCGCTCATCTTCGATTCCGTCTACGATTCTACCGCGGCATCGTC
 ACCTATATCCGCATGGTAGACGGAGAGCTCAGATCACGTGAGAACTTCATATGATGGGTGTGGGCACCA
 CCTACGACCCGATTGAGATCGGTGTGATCAGTCCCGATATGATGCCGACGCGCGCTTGGGTGCCGGCGA
 GGTGGGCTACGTGATCACCGGCGCCAAGGATGTGAGCCAGTCAAAGGTGGGCGACACGATCACATCCACA
 GCCCATCCCGCCACCGAGCCGCTTCCCGGCTACCGTGACCCGACGCAATGGTCTACGCGGGGTTGTTCC
 CGATCGACAACGCCAGTTCCTCCGAGCTTCGTGAGGCCCTTGACAAGCTCAAGCTCAACGATGCCGCCCT
 CATCTACGAACCGGAGACATCGGTGGCGTTGGGATTCCGCTCCGCTGCGGCTTCTCGGTCTGCTCCAC
 ATGGAGATCGTCTCCGAGCGGCTGAGCCGCGAATTCGGTCTCGATCTCATCTCTACGGCCCCGAACGTGC
 CGTACGAGGTGACCGCCGAAGACGGCACCGTGCATCGTGTGACCAATCCGAGCGAGTTCCTCCGACGGCAA
 GATCAAAAGAATCGTGAACCGATGGTGGCCGCCGACATCATACCCCCAAGGAGTTCATTGGAGCGGTG
 ATGGACCTGTGCCAGGAACATCGTGGCACGATGAGCACCATGGAATACATCTCCACCGACCGCGTGAGAG
 TGCATTACCGCATACCGCTCGCCGAGATCGTGTTGATTCTTCGACCAAGTTGAAGAGCCGGACGAAAGG
 CTATGCGTCGCTCGACTACCACGACGATGGCGAGGAGGCGGCCGATCTGGTGAAGGTGGATATTCTGATC
 CAGGGGGAGAAGATCGATGCTTTCTCCGCAATCGTGCACCGCGACAAGGCCTATAGCTATGGCGTGATGA
 TGACGAAGAACTGCGGGAGCTCATTCCGCGCCAGCAGTTCGAGATTCCCATCCAGGCCGCAATCGGCTC
 CCGCATCATCGCGCTGAGAACATACGTGCGCTGCGCAAGGATGTTCTGGCGAAATGCTATGGCGGTGAT
 ATCACCCGTAAACGCAAGCTGCTCGAAAAGCAGAAGGCGGGCAAGAAGCGCATGAAGATGCTTGGTCATG
 TCGAGGTGCCGAGGAGGCTTTCGTGCGCGCTTGTGACCGGCGAAGGCGGCAACGACCGCGATACGAA
 AGACAAGATCCGCGCCGCGCAGAAGAGCGAAGGCTGATCGGGCCATGTGCGATGCAGCAGCGCCGCTCAC
 GGCGCATCCGCCAGCTTCGGCCTCCATGCCATTGAGGTGTATGTGCATGTGCCGTTCTGCATTGCGCCG
 TGCGGCTACTGTGATTCAACACCTACACGGCACTCGACCTCGGGGAGGGCGCTTCGCGCGCAAACTATG
 CGACGTTGGCCATTGCGGAGATGCGGGTCTGTCATGAATGGCAGTTGGCACATGGTGTGGTGGAGCCGCC
 TGCATCCACCGTTTTCTTCGGCGGGGGCACGCCGACGTTGCTACCTGCCGGCGATCTGGTGGCGATGCTG
 GACGCCGTGCGCGAGATATGGGGCATTCTGAGGATGCCGAGATCACAACCGAGGCGAATCCCGACTCGG
 TCGATCCCGGGTATCTGCGCCTACTGAGGGACGGTGGGTTACCCGAATCTCATTCCGCATGCAGTCGAG
 TGTGCCGATGTGCTGCGCACGTTGGATCGCACCCACAATCCGTGCAATGTGGCTGCGGATGTGAGGCT
 GCACACAGGCTCGGGTTGGAGACGAGTGTGATCTGATCTACGGAGCGCCGGGGAGAGTATCGAGGACT
 GGTGCGACAGCGTGCGATCGGCCATTGATCTGGGCTGCACCATATCTCCGTTACGCATTGACGGTCA
 ACCCATACGAAGATGGGCAGACGCATCGCCGCCGGTGAGATCGAGGCTCCGGATGATGATGACGAGGCC
 ACCAAATATGAGCTTGCCGACCAGCTGCTGAGCGCTGCGGGGCTTGAATGGTATGAGATATCCAATTGGG
 CGCGCCCCGGGCACGAGAGCCGGCACAACTGGGGTACTGGCGCAACGTGGATTGGGCCGGGATCGGACC
 GGGGGCGCATAGCCACTACAATGCGGTACCGCGCATGGATATGGGAATCGGCCATGATCCCAAGGCGGGC
 ATACCGGTAGGTGCCAACGGGCAGGGTTATCCGGCGCGTGATACGTGGACGTCCATGCGCGCATGGGACA
 TACCGCATCCGCGAGTCTGGGCGGTGGCTCTTCAGCACAATCGTGTGCCATGGCAGGACTTCGAATCAT

CGACTGCGATGAGAACGCCGAGGAGCTGCTCATGCTCGGTGTTCTGCTGCGGGAAGGTCTCAATGTCTCC
 GCCTTCGCCGAACGGACCGGCATGAAGATTCCTCCACGGCAATCGACACATTGGTGAACGAGGGATTGC
 TCACCCGTTTCGGACGACGCGCTGATTGCGACATTGCGGGGAGACTGCTCAACGATCTGGTGATCGAGCG
 CCTCATGGATGCCGCTTCCATCACTGAATCTCATATTGCGGCGTATGTTGCGCGTGACGGCATGAC
 ATACTCCCGTAATGATGCGGGAATAGAATGCATGGAGCTTAGATTCCCGGAGCGTGAAATTCGCCCCATT
 GACATCCAGTGCGTTCTTCGGTATGTGGACTCAAGTGGCGGCAACGGGCGACGCCCCGCTAACCTAAGTT
 GGACAACTGCCATGGATTGCCATGAAGGAGAGGTGATTGCGGTGACTTTTGCGAGCCCGCTAGATTGA
 CGATTCATCGCCCGAGGGGATGTATGATCCCGCTGCCGAGCATGATGCCTGCGGTGTCGGTATGGTCAC
 CACCCTCAACACGAGGCCGGAACGCAAGATCGTGGACGATGCCATCGAGGTGCTGATCAACCTCAACCAT
 CGTGGGGCCGTCGGAGCGGAGGAGAACACCGGTGATGGTGCCGGCATTCTGATGAGCATGCCCGATGAGT
 TCATGCGTGCCGTCATCGATGCGCCGCTGCCGGATCCGAAGCACTATGCGGCTGGCATCGCGTTCTGGA
 CCGTGACATCGCCACCAGCGGCCAGCAGGAGCAGGCCATTGCCAAGATCGCCACCGAGGAGGGGCTTGAG
 GTGCTGGCGTGCGGTGTGGTGCCACCAATCCTGATGGTCTGGGACTGCAGGCACTGGCCAGTATGCCAT
 CGTTCAAGATGCTGGTCTGGCGGATCCGCAATCGGCTTTGGCGGGCGTGATCTCGATCGCAAGGTCTA
 CCGTGTCGCAAGCGCGCCGAACACGAGGTGGGCGTCTATTCGCATCGCTCTCGTCGATGACCATCACC
 TACAAGGGCATGCTCACGACGATGCAGCTGAAGCCATTCTCCCGGACTTGTCGACGAGCGCATGAAGG
 CCACGATTGCGATAGTCCATTTCGCGCTTCTCCACGAACACCTTCCCGAGCTGGCCGTTGGCACAGCCCTT
 CCGCCTCATCGCCATAATGGTGAGATCAACACGATCCAGGGCAACCGCAACTGGTTCTCAGCTCGTGAG
 GGGCGCCTGAGCTCCAAGCTGCTCGGCGACATGAAGGAACTGCTGCCTATTCTCACGCCGGGGTATTCCG
 ATTCGGGCACCTTCGATGAGGTGCTTGAATATTGCACCTTGCAAGTTCGTTCCCTGCCACATGCCATCTT
 GATGATGGTGCCCCCGCGTGCGGAGAACAAAGGAGCTCGATCCGGACGTCCGTGCATTCTACGAATAC
 AACAACACGCTCATTGAACCATGGGATGGCCAGCCGACATCGTCTTACCGACGGCGAGCTTGTGGGGG
 CGTTGCTTGACCGCAACGGCTCCGTCCGGGCGCTTGGCAGATCACCGATGACGGTTATGTGGTGCTTGC
 CTCGAAAAGCGGCGTGCTGCCCCAGGTGGGTGAGGAGCACATTGTGCGCAAGGGACGTCTTGAGCCCGGC
 AAGATGTTCTCATCGACACCGCGCGTGCGGAGGTATCGAAGACGACGTGATCAAGCATGAAGTGGCAA
 CTGCGCATCCCTATAGGGAATGGGTGGAAGACAACACGGTGGAGATGAAGGAGTGCCGCGAGCGTCAGCA
 CATCAATTATTCCGGCCGTTCCGTACACCGGCGCCAGCGTGCTTCCGGCTACACGAGGAAGAGCTCAAG
 ATGGTGCTGACTCCCATGGCCAATACCGGCAAGGAGCCGCTCGGTTTCGATGGGCAACGACATTCCGTTT
 CCGTACTCTCCAGCCGACCCGCATGCTGTTGACTACTTCATGCAGAAGTTCGCACAGGTTCACGAACCC
 GCCGCTTACTGGGAACGCGAGAAGATCGTCACCTCGATCGCTCGGCGATCGGGCCCCGAACCGAATCTG
 CTCGAAGACTGTGACTGCATGCCAAGAAGGTGATCATCCCGCAGCCGGTGCTCACCTCCGACGAGATGG
 CCCAGCTCAAGCGCTTGATCGCGCCTCACAGCTCGGAGGCTATTACAAGCCGTATGTGATCAGGGGACT
 GTATCAGGTACCGGCGGTGGCAATGCCTTGAGACCCGTCTGGAGGAGATCTTCGCCGAAATCGACCAG
 GCCATCGCCGACGGCAGCAATTTCTCTGCTCTCCGACCGCGACTCCAACCATATGATGGTCCGATCC
 CGTCGCTGCTGCTCACTTCGGCTGTACAGCATCATCTGCTTCCGAAGCATACGAGGACCCAGATCTCCAT
 GGTGGTGAGAGCCGCGCATGTGCGTGAGATTACCATGTGGCGCTGCTCATCGCCTACGGCGCGGCCGCA
 GTGAATCCGTACCTGGCATTGAGTCAGTGGAGGAGCTTTCCCGCACC GGCTATGTGACGGTCGACCCCG
 AGACCGCAATCGAGAATCTGCGCAATGCGCTTTCACCGGCGTGCTCAAGATCATGAGCAAGATGGGCGT
 CTCCACGATCATGAGCTACCGTGTTGCCAGCTGTTGGAAGCCGTGCGCCTCGACAGCGCCGTGATCGAC
 AAGTACTTCACCGGCACGGTATCCCGTGTCGAGGGGCTGCGGGCTCGACGACCTGGCCGAGGAGGTGGCGA
 TCCGCCACCGCGAGGCATATCCGAACCAATGGACGGCGACACCGCACCGTGTGCTGCGCACCGGCGGCGA
 ATACAAAGTGGCGCCGACCGGTGAGGAGCATCTCAACGACCCCGAGGCGATCTTCTGCTCCAGCAGTCC
 ACCCAACGCGGCGACTACGACATGTTCAAACGCTATTCCGCGCATATCAACGACACATCGAACCGTCTGA
 TGACACTGCGTGGAATCATGAAGTTCAACGCGGTGCGCAAACCGATCGACATCAGTGAGGTGAGCCGGC
 CACCGAGATCGTCAAGCGATTCTCCACGGGTGCCATGAGCTATGGTCCATCTCGAAGGAAGCCACGAG
 ACGCTCGCCATCGCAATGAATTGATTGGCGCACGCTCCAATTCGGGCGAGGGTGGCGAATCAACGGAAC
 GGCTCAACGATCCGAACTGTGCAGCAAGATCAAGCAGATCGCTCCGCCCGTTTCGGTGTCGACGAGCGA

TTACCTGGTGCATGCCACCGATCTGCAAATCAAACCTGGCGCAGGGAGCCAAACCCGGCGAGGGCGGCCAT
 CTGCCGGGGGCCAAAGTGCCGCCGTGGATCGCCAAGGTGCGCCATGCAACACCTGGTGTGGAGCTCATCT
 CGCCGCCTCCGCATCATGACATCTACTCCATCGAGGATCTCAAGCAGCTCATCAACGATGCGAAGATGGC
 CAATCCGAAGGCTCGCGTGCATGTCAAGCTTGTGTCCGAATTCGGTGTGGGCACCATTGCGGCCGGTGTG
 GCCAAGTGCCATGCCGACGTGGTGCTCATTTCGGGCTATGACGGCGGTACTGGTGCGGCCCCGCTCAATG
 CCATCCGCCATGCCGGCACGCCATGGGAGATCGGTCTGTGCGAAACCCAGCAGACGTTGATTCTCAATGG
 TCTTCGCTCGCGCATCGTCCAGTGCGACGGCGAACTGAAGACCGGCCGTGACGTGGTGATCGCGGCG
 CTGCTGGGAGCGGAGGAGTTCGGCTTCGCCACCACCGCTCTTATGGTGGAGGGCTGCGTGATGATGCGCG
 CATGCCAGAAGAACACCTGTCCACAGGGTATCGCCACGCAGGATCCGGAGCTCAGGGCACGCTTCACCGG
 CAAACCCGAACATGTGGTGAACCTCATGATGTTCAATGCCGAGGAAGTGCCTGAACTGCTCGCACAGCTC
 GGTTTCCGCACGCTCGAGGAAGCGGTGGGGCATGTGGAGTGCCTGGACCAGAACGACGCCATAGAGCGCT
 GGAAGTCCGCGGGCATCGACTTGAGCCATGTGCTCATGCAGAGCGGTCCGGTTCGGGCACGGTGCTCCA
 CCAGACGATCGAACAGAACCATGAGCTTGACACGGCCCTCGACAACGTGCTCATCGAACAGGCGCACGAC
 GCCCTCGAGAACGGCACGCCAGTGCGTATCACCGCCGACATTGCAACGTCAACCGTACGGTGGGCACAA
 TGCTCGGGTACGAGATACCCGGCGATACGGCGAGGATGGTCTGCCGACAACACAATCGACCTGACGCT
 CAACGGCACCGGCGGCCAATCCATCGGCGCGTTCATTCCGCGTGGCGAGACGATTCGCATCGTCGGGGAG
 ACGAACGACTATGCGGGCAAGGGCCTGTCCGGCGGCCGCATGGTGATCAGGCCGACCGACGCGATCACCT
 TCGATCCGCATACGAATGTGATCGCAGGTAATGTGCTGGGATTCGGCGCCACTTCGGGCGAGATGTTCTG
 GGCCGGCCGTGCCGGCGAACGCTTCGGCGTGCGCAACGGTGGCGCCACCTTCGTGGTGAAGGGGTGGCG
 GACCATGGCTGCGAGTACATGACCGGCGGCCACCGTGGTGATCCTCGGTTCCACTGGGCGCAATCTCGGCG
 CCGGCTTCTCCGGGGGCCATGTGTATGTGCTTGACCTTGACAGGGACAAGCTCAACCCCCAGGCCGCCTC
 CGGCGCGCTGCAGATCGAACCGCTTGATGAGCATGCCTCGGCTGTTGTTTCGCGAATTGGTCGAGCGCCAT
 GCCGCCGAGACCGGCTCCGTGTTTCGCCAAGGAGCTGCTGGAGCACTGGAGTGAGTCGGCGAAGCGCTTCA
 CGCACCTCGTGCCGAAGCAGTTCGTGCCATGACCGCCGCCATGGACAAGGCCAAGGCGGAACACATCGA
 TTTCAACGAGCCCGGTGTGTGGGAGGAACTTACGAGCACGTGATGGAAGGAGCGCGCTGACATGGGTGA
 TCCACGTGGATTCTGAAGGTGAGGTCCCGTAGGGAACCGGCCGAACGCCCCGTTGAGGAACGCATCAAG
 GATTGGCTTGATGTTTCATGCGGAATCCGGTCTGCAGGACTGGACGCAGGAACAGGCCGCCGATGCATGG
 ATTGCGGCACCCCGTTCTGTATGTGCGGGCTGCCGCTGGGCAACATCATCCCCGAATGGAACGATCTGGT
 GCGGCAGGGACAATGGGAGGACGCCTACCATCGCCTGTCCATGACGAACAACCTCCCGGAGGTACCCGGG
 CGCATATGCCCGCGCTGTGCGAATCGGCGTGCGTGCTCGGCATCCACCAGCCGCCGACGATGATCAAGA
 ACGACGAGGTACCATCATCGACAGGCGTGGGATCTCGAATACGTCAAGCCGCTGCCGCCGAACGTCT
 GAGTGACAGACCGTCGCCGTGTCGGCTCGGGGCCGGCGGCTCGCCTGTGCACAGCAGCTACCCGT
 GCCGGGCACACCGTCGTGCTGTTGCAACGCGACGACGAGGTGGTGGCCTCATGCGCTACGGCATCCCCA
 ATTTCAAGCTCGAAAAGGGGCTCCTTGACCGTCGAGTCAAACAGATGGAGGCCGAAGGCACCCGCTCCG
 CACGAACACCGAGATCGGCAAGGACCTCGGCTGGGACGATCTGCGCAGCCAGTTCGACGCCGTAGTGGTG
 GCCATCGGATCAACCGTTCCGCGCGATATGAGCATTCCGGGCCGCGATCTCGACGGCATCCATTTGCCA
 TGGAGTTCCTGCCCCAGCGACCCGTCGTGTGTTGGCAAGCAGCCGATCCATGACATCACGGCCAAGGA
 CAAGCATGTGGTGATCATCGGCGGGCGGCGATACCGGTTCCGACTGCCTGGGCACTTCGATTGCCAGGGG
 GCCAAGGATGTGACGGTGTGTCAGATCATGCCGAGGAACCGACGAAGCGCCCGGACAACAGCCTTGGC
 CGACCTTCGCCCGCCTCTACCAGAAGACCTCCTCCATGGAGGAGGGCGGCGAATACGTCTACAGCACCGA
 TTCAGTGAACCTCGTGGGTTCCGAGGAGGACGCCGCCAAGATCACGGTGAGCGACAATACACAGACCGAG
 GGCTTCATCTCCGATGGAACGGTCATGTACCGGCCCTCAAGGTCGTGTCGGTGGCCCCCGGAAGGATG
 GCCCCGTTACCCGCCAGCCGGGACCGAACGTGTGATCCCCGCCGACTTGGTGCTCATCTCGGTGGCTT
 CCGTGCACCCAGATAACCGAAACCCTGCAGGCGCAGTTGCCGGTCGACCTCGATGGTCTGGCAACGTGCGC
 CGTGACGACGCATTCCAGACCTCGCAGGATGGCGTGTTCTCGTGCGGTGATGCCGGACGCGGCCAGAGCC
 TGGTGGTATGGGCGATCGCCGAGGGCCGTTCTGCGCTGCGGCCGTGACAGGTATCTGACCGGATGCAC
 CGAGCTTCCGGCCCCCATTGTGCGCTCGGAGCGCCGATGGCGCTGCCTCGCCGCTGATCAAGAGGAGCA

AGCCCCGAAGCGAAGGCGGTCCCGGGTCGGGACCGCCTTCGCTTCTACGGGCTAAGTCACGACGGACGG
 CGCTGGTTCATGCCCTCGGTGCGCTAGAGTATGGGTGTTGGACTTTTACGAAGGAGAAGACATGGCCAAT
 CGTGCGCAACGTCTGTTGAAAAACAACGGGGGAATGCCCTCGCAGTATGACTCGACACAGGGTCGTGGTC
 GCAGTGGCATGATCGACGAGTCGCAATTGCAAGGAGCGTTCCCGTCGGCTGAAGGAGGGCAAGAAGGGCCC
 GTGGAAGCCATCGAGCAGCGAACTTGAGAAGTACGAGGAGATCGCGCTCGACACGGATCCAGACAACCTAC
 GACCCGCCACAGGTGCTTCGTGCCCCACATTCGGGGCGCCAATGGGCGCGTCTGTTAGCTGGATCGTCA
 TCGTGGTGTCCGCCATCTCGTTCTTCGTGGTCATGTGGGTGCCTAACCTGCCGATGTGGGTGATCATCAC
 GGTGTGTGCAGTCTTCGCTGCGGTGTGATCAGCCTGTTCTTCACGGCCGGTGATTCGAAGAACAACCCG
 AACCTCGATCAGAAATGGAACCGCCGTCTGATCAGACGCATGCAGGGGCGATGGCTGGGGCAAAAAGGAAGG
 GGCCGCGGCGATGAGCGCGACCCCTTCGGGAACGAATATGCCTTACTTGATCTTCTCGATCTGCTCGAG
 CAGTTCGTGATCTGGCCGTTGACGTTACGTCGTAGCCGGCGAAGCGAATCGTGTCTCTCCGTGAGC
 ACGAAAGTGAACGAATGGTCTCGTAGGTTTCCTTGCCGTCCTTCTCGTGCTCCTTGGCGGCGCCGTACA
 GCTTGTGCACGGTGAACCTCCGGGTCGGAGAGCAGGATGAAGTTGAGGTGCTTCTTGCAGAACTCCTG
 CAGCGCCTTCACATCGTCGGGGGAGATGCCGATGACGGCATATCCTTCGGCCTGGAAACGCTCGAGTTG
 TCGCGGAAGTCTTGGCCTCACGCGTGACACCGACGTGCCCGCCTTCGGGTAGAAGTAGAGCACGACGT
 TCTGGTGCTTGAAGTCCGCAAGCGCATAGTGCTTGATTCTGTCGATTTCGAGTTCGAAATTCGGTGCCCTT
 ATCGCCTTTGTTAGGCGTACAATGTTGTTTTCACTCATGTCTCCAACCTAGACCCGAACCCGGTGTCTG
 TATAGGCAAATACGCGAATAGAGTAGTTTTCGCGCGTTGGGGGAACGCCCATGAATCAATTACGCAAAAA
 GCGACGTGTTGACCATCTGCTTCGGTGTGCGGTTTCGCGACGCCGGCGGAACGGATCGTTCCAATATACAC
 AATCCATTGTGTTTCTCGCCTCCGAAGGCCGTATTGTGGTGTATGCAGTCGTATGCATGGAACCTCATGGA
 AGAGGCGATTATGAAAGTTGACATTCTACCCGCGAATACCCGCCGCATGTCTATGGCGGCGCCGGCGTA
 CATGTGGAGGAGCTGGCGAAGGTGTTGGCCGAACGCATCGACGTGACGGTGCGCGCATTTCGACGGACCGC
 GCGAATCCGAGGCGGCGCAGCACGACGGACGCGGCTCGTTGCGTGTGATAGGCTATGATGTGCCGACGGA
 GCTGGATGGCGACAACGCGGCCATCCGAACCTTCGGTGTGGATCTGCAGATGGCCAACGACGTGACAGT
 GAACTCGTCCACGCCCACACCTGGTACACATGCCTTGCCGGGCGCATGGCGCAGCTGCTGCATGACATCC
 CGCTCGTGATCAGGCCCCATTCTGCTGGAACATTCCGCCCATGGAAGCGCGAGCAGCTCGGCGGCGGCTA
 CAATCTGAGCTCCTGGGCCGAACGTGACGCTATGAGCATGCCGACCGCATCATCGCCGTGTCCGGCGGC
 ATGCGTGAGGACATTCTCGCCGCCTACCCGAATGTGGACCCGAACAAGGTGGTGGTGCACAACGGCA
 TCACGCTTGCCGATTTTCGAGACGCCGGCCCCGATGATGCCGGCTGGGCGGTGTTTCGACCGCTACCACAT
 CGACCGCGACAAGCCGACCTGCTGTTCTGTCGGGCGCATCACCCGGCAGAAGGGGCTGCCGTACCTGCTG
 CAGGCATTGCATTTCTGTCGACCCGGACATCCAGTGGTGCTATGCGCGGGCGCGCCCCGACACCCCGGAAA
 TCGGCAAGGAGGTCAAGGAGGCGGTGGCTAGGCTCAATGAGGAGCGCGGCAACATCATCTGGATCGAGGA
 GATGCTGCCGAAGCACGAGCTCAACGCGCTCGAACACGGCTGCGATGCGTTTCATCTGCCCGAGCATCTAC
 GAGCCGCTCGGCATTGTGAACCTCGAGGCGATGGCTTGCGGTCTGCCGGTGGTGCACCCGCGACGGGTG
 GCATTCCTGAGGTCTGTCGTCGACGGGGTGACCGGGTATCTCGTGCCCATCGAACAGAAGCACGACGGCAC
 CGGCACGCCGACGAATCCCGAACGGTTCGTGCACGATCTGGCGGATGCGATCAATGAGATGTTGCCCGAC
 CCGCAGCGGGCCAAGGACATGGGTGAACGTGGGCGCGAACGCGCACGCGACAAGTTAGCTGGGAGTCGA
 TCGCGGACCAGACCGTGCCTGTACCGCAGTGTGCTCGAGGAGCGTGCGGCGCAGCACGAATAATTGCG
 GGCACGGCAAGCAAGAGGAAGCGGGCTGGATCCCATGCAACGGGATCCAGCTCTCATATGGGGGTGCAAT
 GGAAGGACTGGACTGCGAAACACGGGCGTTGGCCATGCACAACGTGCATCTGCGACGGTATGGCCGTGTG
 ATCGTGGATGACGTGAATCTGGAGATCGGACGCGGCGAGAAATGGATTCTGTTCCGGGCCGAACGGCATTG
 GCAAATCGAGCCTGATCTCGATGATGAGCACACGCGGTTCCCCACATCCGGCGACATCGACGTGCTCGG
 ACGGCGCCTTGGAAGGTGACGTGTTCTCGTACCGCCACCTGATCGGACTGAGCTCGGCGGAGCTGTGCG
 CGCGCGTTTCCGCCGTTTCGAAGACCCGCTTGACGTCTGTTGTCACCGCGCTCAGCGCGACGACCGGCCGTT
 GGAAGGACACCTATACATCCGACGAATACGCCCCGCGCGCGAGACTCATGGAAGATTCGGCATCGCATA
 CTTGCCGGCAAGCAGTTCGGTGCAGTCTCCGAGGGGGAGCGGACACGCACTGATCTGTCTGTCGCTC
 ATGGCCCAATCCGAAGTCTATTCTCGACGAGCCGACAACCGGACTCGATCTCGGCGCGCGCGAGATCA

CGATTCGCGCGTTGTCGTCGCTGCATGACGACCCACGTACGATTATCGTCGTCACGCATCATCTCGAGGA
 GATCCCTCAGGGTTTTGACCATATTGCGATCATGGGACGCCAGTCAACCGTCACGTCGCAACCCGACCCT
 GCCGATCCAGCACCAGGAACGATCGAATATGCGGGTGACCTCGAACACGGGTTGACCGCCGAACGGCTGA
 GCCGACTGTTCCGCGATGCCGCTCGACGTGCACCACATCGACGACCGATGGAGCGCCTTCGCCCGAATATG
 AGCATGTGCGGCGACGGGAAGGCCGACGGATGGTGTAGACGAGCTTGGCTACAGTGGATTACGTCCAATG
 AGCAAGCAGAGCATGGAGTCGAGAGCGTATGCGCAGAGGTCCGTTGCAATCCGGTGAGAAAGTGCAGTTC
 ACCGACCGCAAGTCGAACAAGATCACCGACCAATTGGTTGCGGGCGGCGTCACACAGACCTCACATGGCA
 TCATCCTGCATGACGATGTGATCGGCAGGAACGAGGGCAGCGTGGTCACCACCGTCACCGCCAAGCGTGA
 GGACCAATTCAACAGGGAGCACCCGGAACGCGATACGGCGAAACCATGGAAGGCTGCGCGCGCAATCGGC
 GGCTGGCAGTTCGCGGTGATGCGGCCGCGCATGGCCGACTATGTTCTGTCGATGCCGCGTGGCGCACAGA
 TCATGTATCCGAAGGACATCGCGCAGGTGATTGAGCTCGGCGACATACGTTCCGGGCGCCCGCGTGCTGGA
 ATCCGGGGCCGGTTCCGGGTGCGATGAGCCTGCACCTGCTCGACGCGGTGGGTGAGGGCGGCTGCCTGACC
 ACGATCGAGATGCGCCCTGATTTGCGGAGGATCGCCGAGGCGAACGCCACATTGTATTACGGGCGCCGAC
 CGGATTGGTGAATCTTCTGGTCGGCGATTTGATTGCGTGGCCTCCACGTTGCCGGAACAAGGATTCGA
 CCGCATCATGCTCGACATGCTCGATCCCTGGAACCGACTGGAACAGGCGTATCGGGTGATCGCGCCAGGT
 GCGTGCTCGTCGCTATGTGACGACGACCACGAGATGAGCCGTATGGCCGAAGCGCTGCGGGAGAGTG
 AGCATTGGACCGCACCGCAGATCCAGGAGACCATGGAGCGCAATTGGAAGCGCAGGGTCTTGCAGTGCG
 TCCCGACCATCAGATGATCGGCCACACCGGTTTCTCATCGTCTCCCGGGCGATGGCTCCCGGATACGAT
 GCGTTGCGCAAGCGTGACCGTGCCACGAAGGACACGACGACGATATCGACTCACTCTCCGTAGAGGAGC
 GCGAGGCATCGCTCGAGGAGCTTGAGCTTCGTGACATCTCCGACCGCAAGCTGCGCAAGGTGCTCAGGGA
 TCTGGACGAACAACGCAGTCATTTGATTCTCAATGACCGATTATCGCCGGGCGCGACACGATGCACTAC
 AGCATGGCTGGAATTAGAATGGGAAGGGTGCGGGTCGGTCAGGCCCCGGCGGGATGCATGGAGGAAGCGTG
 AATCTGAAGAAAGTGGCGAAGAGGGCCAAGGAATACAAGCACGTGCTCATCATCATGCGCCATGCGAAGA
 CGGAGGCCTTCAACGCGAAGGGCGATTTTGAGCGTGTGCTCACCGACAAAGGACTCAAGCAGGCCAAGCG
 CGTGGCGAAGGGTCTGCGCGACATGGGATTGGTGCCGATCAGATCGACTGTTCAAGCGCCACCCGGGCG
 ATGCAGACATGCGAGCGCATGCTCAAGGTGTTGCGCGACGCTCCGAAAGTCGACTACTACCAGGATCTCT
 ATGCGAAAGGTATGCAGGCGGTGTTGACATGCTCGCTGCAAGGACAAACGCCATGCGCTGCTGGT
 GCTCGGCCATGAGCCACCGTCTCGCTGGCGAGCCAGTGCTGGCAGGCGAACAAGTATCGGGGCCAG
 CTCGATCTGCTGAACCTTGGCATGTGACTGCCGCGTGCGGATATTCGGTTTCAATGCGCCGTTTCAAG
 AATGGGGGACCCATGAGGCGAATCTCATTGCGGTGCTCACGCCGAAGGAGTTGAAAAGTAGCAGGCGCA
 GGCGTCGACGGCAGGCTATAAGTGTGCCTTATAGCCTTTGAAAGAAAACCTCTATGCGCCGTTTTTAAGA
 ATTTGCGGGCTTGACCCGTTCCAGTTTGCTAACGTGGTCTCCATTGCATCGACACGACTGGAGGATCCAT
 GACCATTTCCACATCCATCTCGGGTTTCCCCGCATCGGACGCGACCGTGAACCTCAAGAAGGCCATCGAA
 GCCTATTGGAAGGAATGCCACGCTCGACGATGTGCGTGAGACCGGCCGCGAGCTTCGTGTTCCGGCATT
 GGAGGTTGGAAAAGGACGCGAGGCATTGATCTGATCCCGAGTAACGATTTCTCACTGTACGACCAGATGCT
 CGACACCGCGGTCTGCTCAATGTGATTCCGGCCCCGATACCGTCGTCTTGTTTTGACAACCTGAGGAG
 AACTGTTCCGATGGCCCGCGGGTACCAGGGTGAGCGTGCGCATGTGACCGCATTGCCATGAAGAAAT
 GGTTACCCACGAACTACCATTACCTGGTGCCCGAATTCGACTCCTCCACCGAGGTGCGGCTCAACGGCAC
 GAAACCGTTGATGAGTACTTGGAGGCGAAGTCGCTGGGCATAGAGACGAAGCCGGTGCTCATCGGCCCA
 TACACCTTCTCAAACCTCTCCCGCATGCCGAGGCCAGGAGCTCACCATCGACGAGGGGCTCGTGGATG
 CCGTGGCCGACGTGTACGCCGAGGTTCTCCGGCGCTTCGCCAAGCTGGGCGCGCAATGGGTGCAGCTCGA
 CGAACCATATCTGGTGCTCGACAAGCACGAGGGTGACGTCTCGCTGTTCAAATCGCTCTATTGCGCTCTG
 CTGCCGGCGCGGGACAGCGGTGTGAGGGTGCTGCTCAACACGTATTTCCGCAACATAGCCGATATTTACG
 AAACAGTGAAGCTCTTGAATTCGACGGGGTGGGACTCGACCTCATCGAAGGGCGTGACGAGAACCTCAA
 GGCCGTGCAACACCATGGTGTAGCAGCACGCACCAACGCTCTTCGAGGCGTGGTCAATGGCCGCAACATC
 TGGCGCAACAACATATGCGGAAAGCATCGCACTGGTGGAGGCACTCCAGCAGGTGACCGCCAACGTGCGAG
 TCGTTCGGCCTGTTGCTGCTCCATGTGCCGTTGAGACCAAGGGGGAGGAACAGCTTGGCGACAAGGT

GCTGCGCCATTTGCTTCGCTGTGGAGAACTCGAGGAGGTTGCGGAGATCGCAGACCTCATGCAGCTC
 GACGACGATGCGAAGCGTCAGTCCACTGCGCTCGCCGCCAACAGGCGCTGTTGATGGCAGCCGTGTGG
 TCGCCGACGAAGTTGTGCGCGCCCGCATCGCCGCCCTTGCCGATGCGGACTATGTGCGCCGACCCGAGCG
 TGGCGAACGCCAGCGGCTCCAGCGTGAGGCGCTTGGCCTGCCGTTGCTGCCCACTACGACGATAGGCTCT
 TTCCCGCAGACCAAGCAGGTGCGTGCCGAACGCGCCCGCCTTCGCAAGGGTGAGATCTCCAGGGGCAAT
 ACGACGAATTCATTGACGTGACATCGACGATGTGGTGGCCAAGCAGGAGCAGATCGGACTCGACGTGCT
 GGTGCATGGGGAGTTTGAGCGCAACGACATGGTCAATACTTCGGTCAGAACCTCAACGGTTTCCTGTTC
 ACGAAGAACGCCTGGGTGCAGTCTACGGCACCCGCTGCGTCAAGCCTCCGATCATCTGGGGCGATGTGA
 GCCGTGCCAGCCGATACCGTGGCATGGAGTCTCTATGCCCAATCGCGCACCGCCAAGCCGATGAAGGG
 CATGCTCACCGGCCCTGTCAACATTCTCAACTGGTCTGGCCCCGTGAGGACATCACCCATGAGGAGCAG
 ACCAAGCAGTTGGCCCTGGCGATTGGGACGAGGTCTTGACCTCGAGAAAGCCGGCATCAGGATCATCC
 AGATCGACGAGGCCGCTTGTGCTGAGAAACTGCCGCTGCGTGAATCCGACTGGCATCGTGAATACCTCGA
 CTGGGGCGATTCCCGCATTCCGTCTCGTGCAATCCGCCGTGACGCCAAGCACGACGATCCACACGCATATG
 TGCTATTCGGAGTTCAACGACATCATCTCGACATCGACGCCATGGATGCCGATGTCATCTATTGGAAG
 CCTCCCGCGGCGATCTGGTGGTGTGCTGACGCCATCCACGACGCCCACTTCGAAACCGAGGCCGGTCCGGG
 TGTGTACGACATCCATTCCCCGCGCATCCCCTCGGTGCAAGAGACCGAGGAGCGCATCGGCGAGATTCTT
 GCGAAGATGGATGTGAACAAGGTGTGGATCAATCCCGATTGCGGCCCTCAAGACCCGAGGCAATGACGAAA
 CCTGGCCGAGTCTGACGCACATGGTCCAGGCGGCGAAAAGCCATGCGCGCCAACCTCGACTGATTCGGGCT
 CCTCCAAACAGTCCGACGAGACACCATAATCGCAGTATGCATGCCATGGCGGCATATCCGCCCACTGTGGC
 ATACATACTGCGTATCCCATCAGAATGCACGCATCACACAGCACGAGACCCAGCAAATGCACACGCCAAT
 GTTCTCCCTTGAAGTATCCACCCAAACGCACATCGCCGGTCTGGCACGATCTACGACACCTCGACGGG
 CTGAACGACATGAAACCCGACTTCATCTCGGTCACTACGGCACCGGCAAATCAGCGGACCGCACGGCCA
 CCGCACGCATCGCGCACACCATACTCGGAATACGGCATAGACGCGGTGCCCCACCTGACCGCACAGTA
 CCTACCGCCCGGGATGTGACGAGGCGCTCGCCATGTTGATGAGGCGAAAAGTGAGCGGCGTGTCTGCA
 TTGCGCGGAGACCGCAACAGCGAGCGCGAACCAGGCGGCGGTGTTACCCATGCCAGTGATCTGGTGTGTT
 ACATTGCGGAACGTAGGCCGAATCTGAAGATCTATGGCGCTGCTATCCGGAGAAGCACCCGACGGCGGC
 CACGCTCGACGAGGATGTGGCGAATCTCAAAGCCAAGGTGGATGCAGGCGCCTCGCATCTGATCTCCCAA
 CTGTTCTACGACGACGACGATTTCATCGCATTCCTCGGCAAAGCACGGGCGCGGGCATCGATGTGCCAA
 TAGAGGCGGGCATCATGCCGTCACCAATGCGAAATCGGTGCGGCGCATGACGAACATGTGCTCATCCCG
 GGTCCCGCGCAAGCTCGAACGCATGCTCGAAAAGTGGGGAGACGATCCAGGACGCTACGCGAGGCGGGC
 ATCATCTATGCGAGCGAGCAGATCAGCGACCTCGTGGCTCAGGGAGTCGATGGCGTGACCTGTACACGA
 TGAACCATCCGTGGTCTCGCGCAGAATATGGCAGAACGTGGGCAATCTGTTGAAAAAGCGTGACCCAA
 TTTCCAGCGCAACAAAAACAGCTAGATTGACAGGCATGGAGATCGACGAGAACACCACCCCAAGCACA
 CGAGACATCATTCATGCCGATTGAGAATCTCGGCCGTGCGAAGGAACTGCTCAGCGAGGTGTGCTCGG
 CGGGGGATCTCGAACTACCCAGCGGGAAGTCTCGGCGAACTGGCGCATTGCGCGGATCCGGACGTGGC
 ATTGGACGCATTGCATGAACTGATCATCAGCTTGGCGACCGTCCCGGAAAAGTGCACGGACTGCTGCAC
 GGTAGGTCTCCGCGCACATTGCTGCAGGTGCTCGGTGCCAGCCGGCAACTTGGCGTGCTCATGCGGTGCG
 GACCCGAAGTCTCGAGGCGGCGGCTGTGATTCCCTCCACAGCGCGGGGTTTGACGGCGAGGCGAGACG
 TGCGACCATGTTGGCGGCGATCGATGCCATGAAGAGCAGCTCGGCGCCGCGGACTCTTCGGACTCCTCG
 TTCCGGCGCCTGATACCGACGTGCCGTTGGCGGAGGCGACCAATAGGTTACGACGGAAGTATTACGAAC
 AACTGGCTGCGATCATGGCCTACGATGTTTCGCACGACGACCCGATCGCGATTCAACCGGCGGTGTCCCG
 CGCGTTGTGGATCTGGCGGACGCCGCCCTGGAAAGCGCGCTGGCCATTGCGCAGAGCAACACGGAGGAG
 TCCGAAGTCTGCGCTTCAATCATTGGCATGGGCAAGCTCGGCGCACAGGAGCTCAACTACGTCTCCG
 ATGTCGATCTCATCTACGTGGTGGAGCCGATGGCCGAGACCATGTCGCAACCGCAGCTGGTCAAGGTGCG
 TTCGAAGATCGCATGCTCATGAGAAGATCTGCCAATCGGTGATGCCAATGTGATGGAGCCCGCACTG
 TGGCAGATCGATGGGGCATTGAGACCCGAAGGCAAGGACGGTCCGCTGGTGGCGCGTCTGGACTCGCATA
 AGGCCTACTACCGGACGTGGGCGGAGAGCTGGGAGTTCCAGGCACTGCTCAAGGCAAGGGCTGTGGCCGG

TGACGTGCCTCTTGCGGAGGCATACATGCAGATGGCATCCGAATTCGTCTGGCAGGCCTCGCGGCGCGAG
 AACTTCGTCTCCGACTGCCAGCGCATGCGCGAACGTGTGGAGAGCCTCATCCCAGTGCCATTGCGCGACC
 GTGAGATCAAGCTGGGCCGCGGAGGTCTTCGCGACGTGGAGTTCACCGTGAGATGCTGCAGCTGGTGCA
 CGGCCGCGCCGATGAGACCCTGCATGTTGCTCCACGTTGCAGGCGTTGCAGGCGCTTTCGATGGCGGC
 TATGTCTCGCGCCGCCATGCCCCGCTGCTCTCCACGACTACCGTTTGAACGGGTGCTTGAACACCGCC
 AGCAGATGTGGCAGCTCAAACGCACCCATCTGTTCCCCGACATGGGCAATGCGAACGCCGCGGATTGGA
 GAAGAAGCGCACGGTCAATGTGGAGGAGCTCTCGCGCAATGCCGAAGTGCACAGGCTCGCCCCGCTGTTT
 GGCTGGCACAACGAGGAGCTGGTGGACAATTCGACGAGACACGCAGGCAGATCCGTCGGCTCCACAACG
 AAATCTACTACCGGCCGATGCTGCCGATCAGCGCGGTCTCGGGCGACGAACGCGTGGAAGTGAAGCGAGCA
 GGCGGTGATGGATCGTTACGCCGCCATCGGTTTCGCCGACCCGAGGCGGCGCTGCGGCATGTGCAGGCG
 CTACCGCCGGCATCACCGTGCCGCGAAGATCAATGGCATACTGCTCCCCGCGGTGCTGCGCTGGCTCG
 GTGAAGGGCAGAACCCCGACATGGGACTGCTGGGCTGGAGCAACCTCGAGGAACGGTTCGGTTCGGCGAG
 CGACTACCTGGGGTTCCTGCGCGACTCGCAGTCGGCCGCACAGCGGTTGTGTACGTGCTGTGAATTCC
 AGATTCTCGGCGACGCGCTCAACAAGTCGAGGAGTCGATCCGCTGGCTCGGCGATGACGACCAATTGC
 ATGCGCGCACACGTGAATCGTTGGATGTGGGCTGTGAGGCGATCATCACACGATATGATGATTCACTGGC
 CGACGCGGCAACATGCTGCGTGCACTGCGCCGCCATGAGATCGAGCGCATCGGGATCGGCTGGATGACC
 GATGTGATCGATTGCGGCGAGGCCCTGAATGGTATGACCGACGTGGTTGACTCGATCATCCAGGCCTCGC
 TGCAATGGGCGGTGCATGATACGATGCGGGCGAACGGCATGGATGGACCGGTGCGCATCTCGCCGTCAT
 CGGCATGGGGCGTTATGGCGGCCGTGAGGTCAATTCAGTCCGACGCCGACGTCATCATCATCTACCGT
 CCTGCGCACGGCGCTGACGATTCCGCCGCGAATTCGTTGCCCGCAAGGTGCAGGAGCAGATGCGCATGA
 TGCTCATGGGTCCGGTGTGACAGAACCGAAGATCGAACTCGACATGGACCTGCGCCCTGAGGGCAAGAA
 CGGGCCCGTCTGTGCGCTCGTACGCCTCGTGTGAGGAGTACTACCGTGCATGGGCAAGCGTGTGGGAGCGC
 CAGGCGCTGTTGCGCGCCCCGATTGCGAGCCGGCGACAAGGAGCTGGCCGAGGACTTTCTGGCGAATGTGCG
 CGAACCCGTTCCGATACCCAGCCGAGCGTCTACCGACGACCAGTTGCAGGAGATACGCAGACTCAAGGC
 GCGTATGGAGGCGGAGCGTCTGCCACGTGGTGTGCGACGCGACCGGCATCTCAAACCTCGGCAGGGGAGGC
 CTGTGCGATGTGCAATGGACCGTGCAGTTGCTGCAATTGCAGCATGCGCATGACATTGAGGCGTTGCAGG
 TGAATTCGACGATGCAGGCCCTTGACGTCTTGGTGGAGCATGGGCTCATGTCATGGAGGACGCGAAGAT
 ACTGCGTGACGCTGGCAGATGTGCACAGCGGCGCGCAACGGCAACTATCTGTGGAACGGGCGGGCGAAC
 CGCGCCGACATCTGCCCGACCGAGCATTTGACCTGAGTGGCATTGCCACGTATCTTGGCTACGATCCGG
 ATCGCGGTGAGCAGTTGAGAACGACATTCTCTCGCAAATGCGCAAGAGTCGTGAAGTATGCGAACGGCT
 CTTCTACGGTGTGAGGAGTGAGATACGCTGGCGGGTATGAATGGGCATGATGACGAATCCACGTGGGTG
 GAGCACACCCTCGTGGGCTCGGCGAATCGCAGTTCGTCGCAAGTTCGTGTTGAGCGAGGCTGATCGGT
 CGTATGCGCGCGACAAGGGCAGACATGTCATCGACAGGCATGCGCATGAGATGCTGCGCGCACGCGTGGG
 CGAGGCGCAACCGTCCAACGACGGCAGGCAGACGCCTTGGCGCGGGCACCCGGTGTTCACCGCCAGCAT
 GCGACGGCGACATGCTGCCGCGGATGCATCGAGAAATGGCATGGCATTGCCAAAGGTGCGCCGTTGACCG
 ATGCCGAGGTGAACAGACTGGCCGATCTCGTCATGGCTTGGATCGACAGGGATCTGACGAATCATCCGGC
 CCGGGACGCAGTTGCAGGCGCCCGTTCTGCACAGGCTGATGCCAGGCGCGTGAAGGCGGCCCATGCCAAG
 GCTCCCCGGTATGTGCAGCCGGAATTATGAGGGCGTGTGAGCCGGCGGGGCAAGTGGGGTATAGTTGGAG
 AGGTCACTTCGGTGATCACCTGGAACAGCACATGCATGAAAGGTGAGCCATTGTCTAGCGTTTCAGCAACA
 CGCCGACGGACAGTCCATAGTGGGAACAGCGTCATCACCTCGACGATCTCACAGTCACGCAATCGAG
 GAGTTGCTGCATAAAGCGCAGTACATCGATTGCGATCGCAAGGAAGTGGCACACACCTGTGACGGACGGG
 TGTGGCCACTTTGTTTTATGAGCCAAGCACGCGCACGCGACTGAGCTTCGAGACCGCAATGCTGCGGTT
 GGGCGGCAAGGTGATCGGTTTTGCGGGATCGCAGCTGAGCTCCGCAACGAAGGGCGAATCGATTTCGGAC
 ACGTTGAAGACCGTGTGCAACTACGTGACGTCGTGGCGATCCGTACCCGAAGGAAGGCGCCGCCCTGG
 TGGCCGCGGACGCCTCTCGGTGCCGGTATCAACGCCGGCGACGGCGGCCACATGCACCCGACGCAGAC
 GCTCGCCGATCTCGCGACACTGCAGTCGCGATTGCGACGGGTGAACGGCCTGACGATCGGCCTGTGCGGC
 GACCTGACCTTCGGCCGACCGTGCAGTCTCATCGAGACGCTGTGCCGCTTCGGCAACGTGCGTTTCG

TGCTCATCTCACC GAAGGAGCTGCGCACCCCGCAATACGTGCTCAACCGCATCAACGCCACGCCACCTG
 CTCGTACGAGGAGGTACCGACTTGAGTACGGTCATAGGGGATCTGGACGCCCTGTACATGACGCGCGTG
 CAGAAGGAACGCTTCTTCAACGAAGACGATTACCTGCGCCTGCGTGACACCTACATTCTTGACGAGGGCA
 AACTCGCGAAGGCCAAACCCACGATGGCGGTGCTGCACCCGTTGCCGCGCGTCAACGAAATCGCCACGGA
 GGTGGACGTCGACCCCGTGCCGCTATTTTGAACAGGTGAAGAACGGCATGCTCATGCGCATGGCATTG
 GAAAGCTCGGTGCTCGGCGACGAATTGCCCGGCTACGAGCAGTATGCGAACCAGGAGGTGCGAAGCCTGAT
 GGAAGTCACTAGCATCCAGGATGGGATCATCATCGATCATGTGCCTGCCGGCACCGCGCTCAAGGTGCTC
 GAATACCTGCGCATCGACCCGGCCACCACGAAGCTGCGCTGATCATGAACACAACGAGCCGACGGTACG
 GTTCGAAAGACATCATCAAGATCGAGGACGCCAGGACGTGACCTCGACGTGCTCGGACTGGTGGCCCG
 CCAAGCCACCGTCGACATCATCCACGGCGGCCAGATTGTGAACAAACAGACGCCGACGCTGCCGTAACGC
 GTGGTCAATGTGATCACCTGCGTGAACCCGCGCTGCGTGACGACCACCGAACCCGGCATCGACCAGGTGT
 TCTACCTCGACCACACCGACGACGAGGTGTACCGCTGCCGATACTGCGACGAGGAGGGCGAAATTCTAAAT
 GGCCATCACATTACCGACATCACGGTGTGGGACACGGGCGAACACATCGACCTGACCGTCCCGACCCG
 CGTGACGTACCATCGACGCCAGTGCCTCACCGTGGCGCCGGGCTTCGAAGATCCGCACGTGCACTTCC
 GCGATCCCGGGCAGACCTACAAGGAGTCGATGGTCTCCGGATGCATGGCCGCCGATCGGGCGGTTACAC
 GAACGTGCTCATCATGCCGAACACCGTGCCGGCGATGGACGGCCTTCAAGTACACGAGGGGGAACCCGGC
 GCGCAGGAGATTCTCGATGCCGGCTACCACACGGTGATCGATTATCTGCAGCACTATGAACAGATCCACC
 ACGTCACGCTGCCGGTACGCTACGAAGTGTGCGTATGCGCCACCAAGGCCGGGCGGGCTCGAACCGAC
 CGACCCGAAGGACTGGGCATGGTACATGCCGGGCCATGACAGTGAGAAAGACCCCGCACAGATCGCCAC
 CCCGTCACCGCAATGAGCGACGACGGTTCAGCCGTGCCAGAACCAGTGCTGCGCCAGGTGTTGACAACG
 TCAAGAGCACCGGACTATACCTCATCGAGCACTGCGAACACCATGACGTGGGCGCCGTGAACGAAGGTCC
 CGTATCCCATGCCCTGAACGTGCCGGGAATCCCCGAAGACACCGAACTGGCGATCGTGCAACGTGACATC
 GACCTCGTGCGGAAACCGGCGTGACGTGCACTTCCAGCACGTGTCCACCGCAATCTCCTTCGACGCCA
 TTCGCAACGCGAAGGCCGAAGGGCTGCCCATCACTGCGAAACCGCACCGCATTATCTGGCATTGAACGA
 CGAGGCGCTGCTCGAATACGGCACGCTCGCGAAGATGAACCCACCACTGCGCGGCGAACGGGATCGCTTG
 GCCACGATCAAAGCGATCGAGGACGGCACCGTGGACATGATGCCACCGACCATGCCCCGCACACACTCG
 AAGAGAAGGCCCGCGGATTCTCGAAGCACCCAACGGCATCATCGGACTGGAATGCGCCTATGCGGTATG
 CCACAAGGTAATCGTCGACGGCGGCCACATCAGCGACCGAGCGACTCATCGAGCTCATGTGCTGAATCCG
 GCCCAACTGATGGGACGGCATTCCACCGACATCGCCGATTGCTCAACACCTCGTCGAAATGCGCGGTGA
 AGCGCTCGCTGAACCTGGCCGAAGTGGAACACCCGGAGCTCGTGACCTGAACATTCTAACACCACGGA
 GCAGTGGAGCATCGACGCGGGCCGGTTCCTGTCGAAGGCACGTAACACGCCATTCAACGGCTGGGATGTG
 AGCGGCAAGCCGTATGCGACGATCATCGCATCCGCTCTGGTGTTCGACCGACTGGGATTTGACGAGGCAA
 CCGAAACGGAACAGGGGAGTAGCGATTATGGACCGGCTCATCGAAGCAATCGAAGACAAACAGAAATCCC
 AGTGTCTGTTGGGCTTGACCCACCGACAACTCGTTCCCGCCCCCGTGATGGATGCCTATGCCGTGCAAG
 CCGAGGAACAGGTGGAGTCGGACGACAATCTGGCAGCCACCGCTGCCGACGACGCTATTTTGAATTCAA
 TCGCGCCATCATCGATGCGGTGTACGACATCGTGCCTGCACTGAAGCCGAGATCGCCATGTATGAGGCG
 CTCGGGCCCCGAGGCATCGACTGTTACACGATGACATGCGAATATGCGCAAAGCCGCGGCCTGTACGTGA
 TCGGCGATGTCAAGCGCGGTGACATAGGTTGACCGCCGCCGCTACGCGCATCATCTACCGGTTTCCA
 AGGCGATGACGTGTGGTTTGAGGACGCGGTGACGGTGAACCCGTACCTGGGTTCCGACGGCATCGAACCG
 TTCATGGAGGCCGCCGGGAAGCCGATCGCGACATGTTTATTCTGGTGCGACCTCGAATCCGTCGAGCT
 CGCAGATTACAGGAGCTCGAATTGGCCGATGGCGGCCGGGTGTATGAGCATGTGGCCGATCTGGTGGAGGA
 TTGGGGCAAGGATTCCATCGGCCGTTTCGGCTATTCGGGGCCGGAGCCGTGGTGGTGCGACGCATCCC
 AAGGAGGGTGCCGCAATTGCGCGAGCGCATGCCCCACAGTTCTTCTCTGTCGCCGGGTACGGGGCACAGG
 GCGGCACGGCACAAGCGTGCGCGGATGTTGACCAACAGGTTCCGGCGCCATTGTGAACATATCCCG
 CGGCATCATAGGCGCCTGGCGTAACGACGAGCAATACAGCGATTCACTCGAACCAGGAATCCGCGCTGGAA
 CTCGTAGCCGTCAACGCCCGCGCAGCGCGGCCGATATGCGAGACCGAGCTGCGCGTCGCCCTGCATAAC
 CGATATAGATTTGTATGCGATAGCCGTCCGTACGGATTCTCGCACACCGAACCAACCAAGGAGATTCTGC

CAACCGCATTACCCGACGGTGGAAACAGGCCAGGAGCCGGTTTCACCCGACCAGGCGCACCGTCAG
 CATTGTCGCCGTGAAGCAACTCACTGCGGGCATCGTCCGTCTTACCTCCGTGACGAATACATCGCCAC
 CATGTTGACCTGCGCAGTTCGTGAATCTGTATTGTCGAACCCATGCACCTCATGCCACGTCCTTTCG
 GAGTCAGCGAGGTGGATGGCGACGAGGTGAGCCTCATCTTCGCGGTGGTGGTTTCGGACCGACGAGTT
 CAGCAAGCTGACAGCGGGGACACCATCGATGTGCTTGGCCCGTTGGGCACGCCCTTCAATCTCGATGAG
 GCTGCGGATTATGTGCTCGTCGGCGGGGTCTCGGCATTCCGCCGCTGCTCGAGGCCGCGCAGAGCCTGC
 GTGATGAGGCGGATTCGCGGGCGATCGCCGTGTTGCGCTATCGTGACGAGCATTCGCCGACATCTATGC
 TGCCAAGTACGCGGACGAAGTGACAGCATCGACGAGTCGGAGGGCAATGTGCTCACGTTGCTCGAACGT
 CTGTGGCCGGCATTGGAGGAGAGCGGGCGCAAGACGATCATTCTGCTCTGCGGTCCGACGCCAATGATGA
 GAGCCGTGGCCACTTGGGCCTCCAAACGTGGCGTGGACGCCAACTGAGCATGGAGCAGCGCATGGGATG
 CGGGTATGGCACCTGTGTGGCCTGCACAATCGACACACGTGCCGGCCGCGAGAAGGTGTGTGAGGCTGGT
 CCGGTCTTCACTGCGCACCAATTGGGTTGGGACGCCGATGGTGCCGAGGCGAACGCCGATGCGTGATATG
 GACGAGCGGGCGAAGGAGAACGAGACGATGAACGAGACCACAAGCAGTGTGTACGAACCGCATGAGTGGA
 AGCATGGCACCGTGGTTGCAGGCATACCATGGAGGAACCCGGTGGGCACCGCCTCTGGCACGTTCCAGGT
 GGACGCCTGCGGCCAGTTCTACGATGTGAGCCAGCTCGGCGCCGTCACCACGAAAGGCGTCTCGCCGGTG
 CCATGGCTTGGCAATCCCGGTGTGCGCACGGCGGAATGCCCCGCCGGCACGGTGAACGCCGTGCGCCTGC
 AGAACCCGGGCGTCGACCATTACCTCGAATATGACCTGCCAAACTCAAGAACATGGGCGCCACGGTCGT
 CTCTAATGTGGCCGGTCATTGCGACGACGACTACGCCAGGTTGTGCGCAAGCTCGCCGACTCGGATGCC
 GACATGCTCGAAATCAACGTGAGCTGCCCCAACGTGACCCACGGCGGCATGAGCGTGGGCACCGATCCGA
 TGGCGTTGAGCCGGCTCATGGAGCGTTTGCGCCGATGACCGACAAGCCGATGATCGTCAAGCTCACGCC
 GAATGTCACCGATATCACGGCCATCGCCAAGGCGGCTGTGCAATCCGGTGCCGATGCGCTGAGCATGATC
 AACACGCTGGTCGGCATGCGCATCAATATCAAAACCGGCGAACCGATCATCGCGAACCGTACCGGCGGTG
 TCTCCGGACCTGCCGTGTTCCCGGTGGGTCTGGCCTGCGTGTGGCGTGTGCGCACCGCTCTGCCGATGT
 GCCGATCATCGGCATCGGCGGCATCGACTCCGGCGAGAAGGCGCTCGAATACCTGTATGCAGGCGCCAAC
 GCCGTCGAGGTGGGCGGCGCCGCGCTCTACGACCCGACCGCACCGATCCGCGTGGCGCGTGAACCTGACG
 ATCTGCTCGACTCACGCCCGCAATTGGCACACAAGCTCGTCAAGGGCGACACCTGGCGCTGACCCGTCGG
 CGATGCCCCGTTCCGCTTCCGATTCCATTATGACCGTCAATCGGCGTATTGCGGACAAATCGAACCCGG
 AGATGTCCCGAATACGCAGATTATTCGCGCATCCGTTTACCAGAGGGGAGAACCCACAGATGACCGAAGC
 ATTGGATACCCGTTTACCCAGTTTCTGCTCGAATCGCAGGCGTTGAAGTTGCGCTCGTTACATTGAAG
 TCGGGACGCCAGTCGCCCTATTTTCATCAACGCCGGCGCCTTCGATGACGGTGCGAAGATCGCCACGCTCG
 GTGAATTTATGCCGAGAAGATCCAACAGGAGATCGCCGCAAGCAACCTGGCCGCCGCGCATCGACACCGT
 GTTCGGACCGGCATACAAAGGCATCCCGCTGGCCGTGGCCACCACGATCGCCATGCAGCACCGCTTCAAC
 GCCTCCATCGGCTACACCTTCGACCGCAAGAGAAGAAAGACCACGGCGACGGTGGCACGATGGTGGGCA
 AGCCACTCGAGGACGGCATGAACGTGCTGCTCGTCGACGATGTGATGACCGCCGGCACCGCAGTGCGCGA
 GGTCGTCCCCAAGCTCAAGGCGCAGGCCGACGTCAACATCGTGGGCCTCGTCTCTCCGTGACCGCATG
 GAGAAGACGAAGGACTCAGATCTCTCCGCCGTGCAGGACGTGCAACGCGAGTTGGGTTCCCGTGTTTCG
 CCATTGCGAACGTCAAGGAGATCTTCGCCGCCGACGGCAGCTGATCGGCGAGCACGGCCAGCCCTACGT
 CACCGACGAGATCGCCAAGGCCGCGGAGGAGTATCTGACGCAGTACGGGGCGTGAGTGGGCTGTATCAT
 TTTCAGTGGGCAACAGGTCTCCTCGTTGCCCACTTTTCATGCATTGCATGAGGAAGGAGGTGTGGTGGTT
 ACGCTTGGCACAAAGCATAAGCCTATCAGGTGAAATACAGGCTCCCTTGCAAGCATTCCAAGACGCAGTTC
 CTCTCGGAAGAACAATGTGATGATCAATGCACGGTGGCATCATCGAAGTCCATCGGCACACATATGCCT
 AGATGCGGGTATGGCGGCGACAATCCGCGCCTAACATCCAATAGGCCGTCCACGAATCTGCACCCGCAGC
 TGGGATACGCCAAAACTGGAAGTATATTGCGGCCCATCATTGGAGGAAGTATGGTGATATCGGCCGCA
 GCGACAGTGACAGAAAACTCACACTGAGACTCATCAGGAAGAAATAGAACGGGTTTCTTCGGTCATAT
 GCTTCGCTTCAGAACAAACAAACCGGAAGAGATACGGAAAGAACGCCTATGATCCGACCAATGACGATCG
 ACGACTACGATGCCGTCTGCGCATGCTGTATGTCATGCACCGGCATGGGGCTCAACACCATCGACGACTC
 ACGCGACGGCATCGCCAATATCTGGCACGCAACCCGACCACATGCTTCGTGGACGAGCGTGACGGGCGC

ATCACCGGCGTCATCATCGCCGGGCACGATGGACGGCGCGGATACATCTACCACACCGCGGTCAAGTCCCG
 ACCACCGCCACCAGGGCATCGGCACCGCGCTCGTCGAAGCGGCGTTACATGCGCTCACCGACGAGGGGAT
 CGCCAAGGTGGCGCTCGTCGTCTTCGCCCGCAACGCGGATGGCAACGCGTTCTGGCAGCGGCTCGGATTC
 ACATCGCGCGACGACCTGACCTACCGCAACAAGGCGCTCGCCGAACTCACGCGCATCGACACCTGAATCT
 CACTAATATCCCAACTTTCCGAGCATGCCCCATGCTCGCTCCAGCATTGGCAGCTCACGCGCCGCAATCA
 GTCTGCCGAGCTTGGAATCCTCGCATCTCCTGTATTGCGCGATGGCCTGAGCATAGGTGAGCTTCAATGT
 CGACAGATTGAATCTCGTCCGCTCCAGCTCCGTCAGATTGCTCTGCCGAACGAAAGCGCCTGGCACAGG
 TAGTAGTGATTGATATTATGGCGGTGAATCCGATTATAGCAATCGCTGACCAAGCCAATCTCGCCGAGAA
 TCTCAATCTCAGCTCCAAGCTCCTCCCTAACCTCGCGCATCACCGCCTCCGTGGGAGTCTCACCTGGTTC
 GATGCCGCTCCGAGGTTTCGATCGTCACCGCATTGCCGAAGACGTCGGTACGCTGCACCCGAGAAAA
 TAGAAGTACGCGTGAGCATCGATGACGATGGCCCGCGCGATTGGCCGATCATGATCAATATATTGCAACG
 GCCATTGCGCATCTTCGAGCTCAAGACTCAATGGTTCCTCAGTCATACCACCTCCATGATTGTACGAGCA
 TCGCCAATTGACTGGCACGCTCTCTCAAGACGCAAGAGGAGACACCTCCAGCGTCAGCATGTCTTTTC
 ACGTCGATGAGATGCGATGAAATGAAATGCAATGATTGGCATCGCGGACATGATTGGGATCCGATTGCG
 ACGCACAGTCATACGGAATCAGCCACGGCGATACGCCATCGTATCCACATGCGCACTCACCGTCTCGACC
 AGCTCGCCAAGCGGCTTGAGAAACCGCCGACCCAACGACGTCAACTCATAATAGACCTGCGGCGGCTTCG
 AACGCTGCAGCACCTCACGACGAACCACGCCAATCTGCTCCAGGTACTTGAGCGTCTGCGAAGCCATACG
 CTCGCTGATGCCGCCGATGTTATGCACCAATTCAGTAAACGCGAGCGTTTCTTCTCGAGGGCCAGGATG
 ACGAGCAGTCCCCATTTGCCGCTGATCACCTGCAGCGGGAAGCGTGCGGGGAGTCTTTGCGAAGATAT
 CGAGTTTTTCCATGGCGGTAGTGTAAACAGATGAAAGTAACGGAATATAACAACCTTACGAATAGTAAGTT
 TCAAACTTACTATTCAACTGAACCTAAAACCTCCAAATCATCACCACACAATTCATACTTCTCCTGCGA
 CGAGAGCAGTGGAGCATTCTTTGTGACGTCCACATTCGATTTTCATGCGTTGTACGGGCGATGTTGAA
 AAAGAGCGGCGGCTCGTCAAGGTCTCTATAGAATGCATCCCAGCGGGTCAGCACGTACGCAAGGGCATG
 GGCAGATAGGAGAGCGCCTGTTGCGCTATGCTGTGCGGAATGCCATAGGCGGCCTGTGCAATGCTCGCAG
 CTATGGCTGCCTGCGTATCGCTGTCTCTCCCAATGAGACCGCATTGCGTATGGCATCCTCGAAACCGGT
 GCTTTCCAGGAAACAGGTGATGGCCTCTGGCACCGAACCTTGCGATGTGGCGTGAACCGGTAGTCTGAA
 CGGATTTTGGCCAGTATCGGCTCATGTTATACCCGATTCTGCGGATGATGTGGTCTTCGATCCGTTGTC
 TGCATGCGGCAGGATCGTCGGCCAGAGACCTCTCATGCTCACCGCGGCAGCCGCCGAAGTAGTATCGCGC
 GAGGAAGATTGAGTCGGCCACTGCCATCCCTCCTCTGACACCTTCGGGATCGTCTGCGGTACCGTGATC
 GAGCGCTCGGCGAGTTGCGGACCTCCGATGGGCATGAATCCGGTCCGTGCGGTGAATCCGCAGCTCATCA
 TCCACGCACAAGGCGATATGCGCATGGCCGATCCGTTGCCGAACTGCCGATGGGCTCACGACTGTCGGA
 GAACAGCCAGCGCATGAACCGGGGACCATAACCCGCGTTCCGGTACATGCGCCCATATTTCTTCATCGCA
 TCAATGAAATCATCTGCGCTACCACCATTCATGATGCCCTCGGCTACCGCGCAGGTCATCACCGTGTCGT
 CGGTGAATCGGCAACCATTGGAGAACAGCGGGAAATGCTTGGTTTTGATTGGATTGGCTTCGATTTCGA
 GCCGACGATATCGCCTATGATCGCGCCGAATATGCCGGTCATTCCATCCTCCATCTGACTCATGAGCTCC
 TCTGCACGATCTTGTGAATGCGTCCATTGCCAGCATTCTTGAACGATATGTGGGCTTCCACCGACCGG
 AAGCGTACGTTGAATAAGCAAATACATCAAGCATATACCTGAGCGAAGCGTCTAATCCGTGCGAACCAGT
 CACGGCATTGTTGACGGTTCGCGGAACAATTATCGGAAGAGAGGCGGTGGCAATCGCCGACCGCGCACA
 TCTTGGTTTCAAGAGCGGCAAAATGCCAAGCCCACAAGTAGCGGTGCCCAAGGAGTAGCGGAAAACCGGAT
 ATCCGAATCCCGCTACGTGGAGGTGGTCGAGTTTTGCCGCTCTTGAAACCAAGATGTTATGGAGGGGAC
 CTCCACTTTTCCGCAAAACAGAGACGAATGACGGCCGATAAATCCGAAATCAACCATGCCAGACCGCGCG
 GCGTTGGTCGGCCGCTGCTCCAAAGTCAATGGCTGCGGCAGCAGGTAATCCTTGCCGGTTCGTTCTTG
 AGGCACCGGGCAACGAGCAGCACCACATAAACATTTGCTCATCATCGGAGAGCATCTCAGAGGTAACCT
 GGAAATATTCCCATCCCTCGGCACGGATCTTCATGGTCCGCTGGGCATCCCGTGCCCATTTGGTAGCGATG
 ATGACGCCCATCGTATTCGATGTCGATCTTCGCTCAGGGTAGGCAAGGTCCAGAAACACCAAGTGAACCA
 TCGCGCAAGACGAGTTGGTAATTGACGCAAGGGATTGGCAGGCCATAGCGAATCAGTATCAAACGCAACA
 TAGTTTCCGCAACCGAATCGGTACCTTGTGCCATCAGCGGCAACGCCTTCCGGCATTTCATAATGCCTCG

107

CACCGCGCGATGGCACCATCGGCGGTTGCCGTGACGACCTGGCGCAGATCCTTCACCCGAAGATCGCCT
 GCGGCGAATATGCCCCGGCCGGCTGGTCTGCATATGTTCTGTCGGCAATCACATATCCCTGCGGATCAAGGT
 CGACGACTCCTTTACCACAGCGGTCTGTGGCACATATCCGGCGAATACGAACACGCCGAAGGTGCCTCC
 ATCGTCTGGCTGCCAGACGTTTGCCTACCGGTGGCGACCGAACGCCACACGGCCCTGTCGAGTCCTTGC
 TCACCGGCCTGCACCCCGACGAGCTCGGTGCCATAGTGAATCTCGATGTTTCGGGTTGTCCTTGGCCTTCT
 GTGCCACCATGGCATCGCAGGTGAAGTCGTCCTCACGCACCAGCAACGTCACCTTGCGTGCGAAGCGGGT
 GAGGAACACCGACTCCTCAGCTGCGGCGAAACCGCCTCCGACCACAATGACGTCCTTGCCGGTGAAGAAC
 TCGCCATCACAAGTGGCGCAATAGGCGACTCCTCGACCGGCATATTCGAGTTCACCGTCGAAACCGATTT
 TGCGCGGAGCGGCCCCCATGGCCAGAATGACCGCGAAGCACCGGTAATCGCCTCGCTTCGTATGCACGAT
 CTTCAAACCGGAACGGTCTGGATCCTCCTCGATGCCGGTGACATCGCCAACGGTGAGTTCGGCACCGAAA
 TCCTGCGCCTGTTGGCGCATCGCCTTCGTGAGTGATGGCCATTGGTGCGCGGTACACCAGGGTAATTGA
 CCACTTCCGCCGTAATGGTGATCTGACCGCCGAAGTCCTCTTTCTCAATGACGAGGGTGCGGTAACGTGC
 ACGCGCGAGGTACATGCCGGCGGTGAGGCCTGCAGGGCCCCACCGATCACAATCGCGTCATAGAGTTTC
 GAATCGTCCATGCTCCAATACGCTTCCGATCAGAGTTGCGCCACGAGGTCGAGGCTCGGCTCGAGCGTTT
 CGTCGCGGGGCTCCACTTGGCGGGGCATACCTGATCGCCATGCTCGTACACGAACTGCGACGCCTTCAC
 ACGGCGCAGGATCTCCTCTGATTGCGCCGACGTTCAAGAGATGACCTCATAGGCCACCACCTTGCCC
 TCGGGGTCGATGATGAAATCGCCGCGTTTCGGCCAAGCCGGACTCCTCGTTATAGGTCTCCAGATCACGGG
 CGAGCTTGCCGGTGGTGTGCGCGAGCATCGGGTACTGCACCTTGCCGATCTTCTATTGGCATCATGCCA
 AGCCTTGTGCACCCACTGGGTGTGCGACGACCCGAGTAGATCTCACAACCGGCCTTCTTGAACTCGGCG
 TAATGATCCTGCAGGTCTCAAGCTCAGTGGGGCAGACGAAGGAAAAGTCGGCAGGGTAGAAGAACAGCA
 CCGACCAATGACCGAGTAGATCCTCCTTGCTATGGTCTCAAGTGCCCCGTCATGGTAGGCCCTCCACGGA
 GAAATCGATGAGATTATGCTGCAACATTGACATGGTGATCTTCCTTTCGATGGATTGCCAAAAGATCCTT
 CTTGAGTATGGCCACATGCAGCGTGGATTGTACGCGAGTCTACTCAGAGCGAATGCGGCGAACGTCACA
 TATGATGTACCTCACATGCGGATCAACCTTCCATGCTTCCCAAGTGACGGAACGCCTCCGGAACCGCGCG
 GACGATGTCGGAGGCGATGATGGGGCGTCCGAGGGATTGTCGGCATCGGTCTTCCAATCCCACGATG
 TTCGGTTTGTCCAAGCATGTTGGGTTGCATGAGAGGCCAGCGAGGCCGCCAGTCCATGAAGGTATGCGG
 CTGCGGCAGCTGTTTCGGGAACGGTGGCGGGATCTTCGAGATAGGCGTCACCTTGCTGGGCCAACATGC
 TCCGGTCATGCCTGCGAGCACGTACCAGCCCCTGCAGTGGCCAGGGTGGCTGGCGCCCGGCCAGACACG
 AGCACGCGACCCATTGAGTCATCATCGGGTCCAACCACAATGGTCAACGCACCCTTGAGCAGCACTGTGG
 CCCCCTGAGACGTGCCGCACGTCGTGCGAAATACAGGGGGCGTTGTTCTATCTCAGCTGCATTACCGG
 TTCGTCGATACGCGTCAGGAGTCTGGACAGCTCGTTGGCATGGGGCGTGAGCACGACCTGTGATGGCACA
 TGTGCGGGCAGCAAGTCAAGGGTCCGGCATCCACCACGATCGGAGGCATGTTTCTGGCCTCCTCGTTCT
 GCTGGGCATCGCTGTATTCCACATCACCGCCATCAATGTGCTCACCGATTCCGCCGGTGCCGGATCGGT
 GAGTTCATAATGTGCCAGCAACGATTCAATGGCCTCCCGTTGAATGTCTGCGTGCTTCCCCCGGAACA
 CCACTGCCACCCACCCAGGCTTCAACGCGTCCCTTACCCATTGTGGCTTCGGGCAATGCCTGCAACACCA
 GATCCTGGGCATGTTGTGGGCCGAGGTAGCGCACCATGCCTATGTTGAGCGGGCAGCTGCGGTGGTGGA
 GAGCACTGCGGCACCGGGGTATTGCACCGATCCGGTGATGAGCCCCACCACACCACGCGTGTATTTCGAG
 TCGGTACCTTCGGCTCATGAATCGACATGCGGGCGAAATCGGCATCCACCATCTCAACGCCAGGCACCG
 CGGATTGAGGTGCAAGCCGAAATCCACCAGATTGATCTCACCGCAGGCGTATGCGGCAGGGGGGAGCAT
 GGCGCAGGGCTTCAGTGACCCGAACATCATCGTGATGTCCGCGGGAATGTAGGCACCCGGCAATGTGCCA
 TCATCCACGCCTATGCCCCAGGGCGTATCGACCGCAACCACCAACGGCTTGTGTTTCGCTACCTCGTCGG
 GCTTGAAGGCGCCAAGCACCTCTGCGAGTGCGCGGGGAATGCCCTGCAGGGCATCGCGTACGCCTATGCC
 GGTCAATTGCATCAACGATGATATGGGAGCGTTTGGCGTAGCGAATGGCCGTCTCAAGTCGTTGCCCGGCC
 TCTCCCGAGGAGAATCCGGTGGGTACGCCGGGAATGCGTGAACCCGGATCAAGCGTCCAAATGTGGCCGC
 CGGACTGCACGAAAGTGACGAACCCCTGTTTCATGCAGCTGCTTGCCGACGGCAATGGCCGTACAGTTAC
 GCCCTGTGCCGCAAGCATGGCACCGGTGAACAGGCCATCTGCACCGTTGTCTCCCGCGCCGACAAGCACG
 CTGACCCGTATGTCATGCGGGTCAAGGGGAGCGTCTTCTATGATCTGCAGGATCTTGTGCGCCGTGGCGC

GTGCCGCCATGCGCATGAGAGGCACGCCCTTCGCCAACAGGGGTTGCTCCATGGCACGCACATTGGCCAC
ACTGTAGGCGGTGGTGGTCAGTAAATCGATGTGTGCGTCATCGAGCGCTGCGGTCTGCTCGCGTTGAGCG
GTCAGTGAGGCCATAAGACATCCCTTCCGTATGGTCCATAAAACAGGACGGCGAATAGTCTCAACTCTAG
TACGCGGCGCAAGGCGGCATGCATGATTGGGCGATAGCGTAACCTGTTTGCTTCACCTCTCAACGAAAAA
TCGACATGGACGAATTCCCCGTCCATAGAATTGGGCATGACGCCCATACGGATTTACCGCCGGGCATAT
CGGAAGGAACTGCAATGTGCACAGCCGTTCTGTTTTGACGATGGACAGAACAAATATGTACTTCGGCCGCAA
TCTCGATTGGAGCGAGGATTACGGGGAGAAAATCGTATTCGCCCCGCATGATTACCATTACGCGCCGGCA
TTCAATGCCGAAGACAAGAACCACCCGGTGATCGGCATCGGCATCATCGTGGAAGATACGCCGCTGTATT
TCGACTGCATGAACGATGCCGGCCTCGCCGTGGCGGGTCTCAACTTCGCCAAGTACTGCAAGTACGCCAC
CGAGGCGGTCAACTTCACCACGAACGTGGCCGCATACGAGTTCCCCCTGTGGGTACCCCGCAACTTCACC
AGTGTGGACGATGTACAGGAGGCTCTGAAGAACGTGACGATCGTCGGCAAGCCCATCAATGACAGGTTCC
CGGTGGCCCACTGCATTGGATCATCGCCGACAACACCCGCAGCATCGTCGTGAATGCACCGAGGACGG
CATGCACGTCTACGATGACGATGTGCTACCAATCAGCCACCGTTCACACAGCAGATCGAGCAT
CTCGACAATTATGCCTACGTTTCCCCGCGTACCGGCAAGTCGGTGAAATGGGGAAGCTCGGAACCTTGAGA
CCAATCAGGATTCCAACAGTTCGCAGGGGCTTCGGGTGGCTATGGTTCCATGGCGCGCTTCGTGCGCGC
GGCATAACAATACGATTATCCGACGCAGAGCGGCGAGAATGCCAACGTGAACCGCCTATTCAAGACG
TTGTGACCGCCGCACTGATCGAGGGGACTGCAATCTCGGCGAACGGCGAATTCGAGAAAACGCTGTTTT
CTGACTGCTATTCAACGGCCACGCAAACCGTGATTTGAAGAAGTACGACGATATGGCCGTGCATTCTTA
TGCCGTCAAGGATTCGACGCCTCCTCGAACCAAGTTGCAGAGCAAGTGAGCGAGGACGCCAGAGGACTCC
GTTCCGTAACGATTGCCTCGTAGACTGGGACAACACGTATTCGGGACCTGCGCATGCGTGGGTCCCGATT
TCTATGCCGAGAAAGGACAGAGGAACGGCATGTTGAGGAAGTGCATAGGAAGATGAACCGGTTCTGGAA
TGCCGATCGCACACTGAACGAGACGGATCCCCGAGTTTATTGGGATCTTCAGCGAATTCGCATATGACACG
GTGGTCAATGAGCCCGGTGCCAATGATGAGAAGCTCGACGACCATGCCCGTTGCATGGCGATCATCGCAG
CCATCATCGGCGCACAGGGCATGGATGCCTTCGAGATGATGCTGCCTATCTCATATCACTCCGGCGTCAC
ATCCGTTGAACTCAAGGAAATCGTGATGAGGCCACGCCTTTGATCGGCTTCGCGCATACACTGCCGTAT
CTCAAACGAATCAATGATTATCTAATGTGGAGAATGTGGAAGTGCCTTGGCGCCGCAATCCGCAATCG
ATAAGCAAAACCGCACACAAGAAGGTGCCTCACTGCGCAGAACAACCTTTTCGGCGAATCTGCAGACAGTGA
CGAGGAGTTTCGAAGATGGGCGCCGGTCACATCGATTCTGGATCAGCGGCGATTACCTCGGTGCCTAC
CTCACGCGGAACGGACTGAGCTTGACGGAACGGGAGATGATCGCATTCTGCCTGCTCATGGCACAACCGG
ATTGCGCCAATGAGCTGCGCGGCCATATCATGGCGAACCTCCGGGTGGGCAACACCGCGCATTTCTCAT
TGCACTGGCTTCGCAATGCCTGCCGTACATCGGGTATCCGCGCGCGATGAACGCCGTGAAAACCATTCGCG
GAAGTGGCCCATAGTGACAAACAGACAGTGTGACCGAACCGCCCGTGCGGTCCCACACCTCGCAATCAGT
GAAGAAGTGAGCAATGAGTACATCCACGCAGACCGATATGGCACAACCTCGGCATATTTCAACCAACAG
GACAATCCAATCGTCCAGGAAGAGAGAAAGCATGAGGGCGCAGCCGTCAAGGCGGCGTTGGCGGCGAATG
TCGGCGTGGCCATCGCCAACTCGCGGCCTGGGCATTACGCAATCCTCGGCCATGCTCTCCGAATCGGT
GCATTCGATAGCGGACTGCACGAATGAGATCGTATTGATGGCCGGCGGAAGAGTGGCCCGCAAGAAACGC
AAGAACCCGCAACACCCCTTTGGTTGGTTCGCGTCAAATACTTGGCATCGTTGCTCGTGGAACCTTGC
TGTTCTTCGTGGGCGGCTTCTTCGACAAGCGAGGCGCTCAAGAAGATCACCGAAGTGCTCTCCGATCA
GTCGGCACGAGTGGCGAACCGGGGTGAGCTCGTGGTTGCGCTGATCGTCGTGGTCATCAGCGCCTGCCTT
GAGGGGTATGGTCTGCACCACTCGGTCAAAGAGTCCAATGAACGCATGCGGCATACCGGTATGCCGCATA
TGGGCATCTATCGTTCTGGAGAGTGACGAAATCCGCCGACCTCGCCTCGGTGATCATGGAAGACACGCT
CGCATTGATCGGTCTGGTGTTCGCCTTCTCGGCATAGGACTCGCGATCTGCACCGGTGACGAAGTGTAC
GATGCGCTTGGCGGCATGTTCTGAGGCATCGTGTGATTGTCGGTTGCTGCTCCTCGCTACAAGACCG
GTTCTGCTGCTCATAGGGGAGTCGGTGAGCCCGTTGACGCAGGAGCGGATCATCAAAGCGGTGAGGGGAC
CGAGGGCGTGGAGGATCTCTCAACATGCAGAGCGTGATATGTCGGAAGACAACATTCTGCTCTGCCTC
AAAGTGCAGACCTCCAAGTTGACCGTGATTACGATGTGACGACGGTGAACAAGATCGAGGATGCGGTGC
GTACCGCGATGCCATGGTATAACTGGGAAATCTATGTGGAACCCGATATGATGCGAGAGACGCAGGCAGG

GACGCCGGACGAACCGGTTGATCTCATGGAATAGCAATCTCGTTCCTCGAATATCATAGTGGCCCCGAAC
TTCGTCCGGGCCACTATGATATTCGAATCCTGATTGCGCAGCAAACAACGCCGCAACACATCCCATCGC
CTTCACTCCTCGGCGACAAGCTCTAGATACGAATCGTTCCACAGATCCTCGTCACCATCCGGCATGAGCA
GCACGCGCTCTGGTCGGAGCGCTCGACGGCGCCCTCATCGTGGGTGACCAGCACAATCGTCCCTCGTA
TTTCGAGATTGCCTTGAGAATCTCATTGCGCGAGGCGGGATCGAGATTGTTCTGTTGGGTTCGTCGAGCAGC
AGCACATTGGCACGGGAGGTCACCAACGTGGCGAGCGCCAGTCTGGTCTTCTCGCCGCCGAAAGCACGT
GGGTGGGTTTGAAGGCATCGTCACCGGAGAACAGGAACGATCCGAGTATGGAGCGCGCTTGGGTGTCGGT
GAGTTCGGGTGCCACTCGCTGCAGATTCTCGAGCACGGTGATGCCTAGATCCAGGGTGTCGTGCTCCTGG
GCGAAATAGCCAATTTTCGCGCCATGGCCATATTCGACCACGCCGGTGTCGGGCTCCTCGAGATGGGCGA
GCAAACGCAGTGTGGTGGTCTTGCCCGCACCGTTGTACCCGAGGATGACCACCCGGGAGCCTTTGTCGAT
GGCCAGATTGACTCCCGCAATACGATGTTTCGAGCCATAGGCTTTTCGAGATGTCCTTCGCTCGATGGGG
GTCTTGCCGCATGGTGCCGGCTCCGGGAAGCGTATGTGCGCCACCTTCTCCTTCTTCTGGGCCACGGAGG
TTTCGGCGAGGAGACGTTTCAGCCCGACGCATCATGTTCTGCGCTGCCACGGCTTTTGTGGCTTTGGCATG
CAGTCGAATGCCCTGCTGCATGAGGCGCTCGGCCTTCTCTCAGCCACTTCACGCTCACGGCGACGGCGC
TCCTCGTCCACGACGCGCTGGTGTAGGTATGCCTTCCAACCGAGCGAGTACATGTCGATCTGGCCGAGCT
GGGCGTCGAGGTGCCATACTTTGTTACCACCTCGTCGAGCAGTTCGTTGGAGTGGGAGATCACGAGGAA
TCCGCCTTCGTATTTCTTCAGGAATTCGCGCAACCACAGTATGGAATCGGCATCCAGATGGTTCGTCGGT
TCGTCCAGGATGAGTGTGTCGGCATCGGAGAAGAGGATGCGTGCCAGTTCTATGCGCCGGCGTTGTCCGC
CGGAGAGCGTGCCGAGTTGTTGGCCCATGACCTCCTGGGGTAGGCCGAGGCTGGCGGCCATTGCGGTGCG
CTCCGATTGCGCCGCATACCCGCCGGCTTTCTCGAAATCCTGCATCGCCTTGTCTGATACCGGTTTCATCGCC
TTCGTTCATCACGTGCGGATCCGGGCTGGTTCATCTCCTTCTCGGCCTTGCAGATTGCTTTGATGATCGAGG
CGATGTCACGTGCGCTCATCATACGGTCGAGCGCCGTCTGTTCCGGATCGGCGGCATGGGTGTCCTGCGG
AAGGTAGCCGAGTTTGCCCGAGACACGAACGGTGCCCGCGGTGGGGAGCATGTCTCCGGTGATGACGCGG
GTGAGTGTGGTCTTGCTGCGCCGTTTCGGCCACCAGGCCGATCTTGTACCCTTCGTACATGGAAGT
TCGTGCGGTGCAGCAGCGTGCGGGCACCGATCTGAATCTCAAGTCCCTGCGCGTCAATCGGCATGGGTCA
CCATCTCCTGTATGAACTCTCGTATGTCTTGTATCTCCGGGGCGACGATCGCATGCGCCGTCTGCGGGTA
GTCCCGGTATGTCAGCTGCGGCTCGCTGCAGGATTGCGGAGCCTGCATTGGTCGGCCCGCGGAATC
GTCGTGTCATCTCGCCATAGCATAGTAAGAAACGTGTACGGCTGTGCATGAGCCGCTCTCGCTCGTCAT
CGGATAATCCGCCGACGAAGGAGGGGCTCATCAATATGGCGGCATCGAACATCGTGGGCTCCGCAAGCAC
CATACGTAGACTCATATAGCCACCTTGGGAGAACCCGATGCAGACGGTTGGACGATTGCGGCAGATGGGG
GAGTCGAGCAACCGCCTGATCCCCCGATGCTTTCATCTGCCAACCGTCTGCGCGCCTCGGGGCCGCATC
CATGCGGGTACCACGAATAGCCGCCCATGTATTCGCGCTCGAATGGGGCGCGGAAACTGATGTAGCTCAT
CGGGTCGTGCTGCCAACGGCCTCAATGACGCGGATCATTTTCATGCTCGTCTGTTCCGTACCCGTGGAAC
ATGAGGAACAGCGGCGAGGAATCGTCGTGGACATGGCAAAGGGCGTTGAGCATATCAGGCTCCTTGGGTCT
TTCTTATTCCTACGTGTCACCGGCAGATGAACCGGAATCAGTCGAAAATGCGCTCTCGATATATGTCG
ACAAGTTGGTCGAGTGTCTTCGATGCATATGCGGGGGAAGTGGAGGGAAGAGCCGTTTCAGATACATGGA
TGCCATTGCACTCGAGCATCGGCTCGCTGTATTTGTGGAACAGCTGGTCCGCCTTCTGCCCCACGCGTA
GATATGCGAGATCTGTGAATTGCGAATGATCTCGCTCAAGTCGCTGGGCACGACGTTGCGGATGCTCGAA
TCGCTGGCGCCGACGATATCGCATGATTCCACGGTGTCCACAACGCGAACCAGGTGACGCGAGCGGAATG
CCGGGCGCGAATCCGGAGTGTGCGCAACCACGTGCGAGGCATCTTGGGATCGGCGAACAACGCCTGCAT
GATCGGCCAGAACCAGTTGCGCGGATGCATGTAGAAGAAGCCGGCTTCCCGTGATTTGGGGCTCGCCATG
GTGCCAAGGAACAAGCGGGTAGAATCCGCCGCATAGCAGGGTCCGAAACCGTGCTCCACATGAATGAATC
GTTCCATAGTGCTACCTCATACACAACAGCCGCGTACCCGGGAAATCCGGTACGCGGCTGCGCTGACT
CACAGACGGCGTGATGAAAGCCTCACCTATGCTCCTGGGCGCCTGGGTAATCCGTGATTTGCGGTTCTCC
GTCGGATTCCACGCTCTTCCGTCTTGTCTATCCACCGACCCGCATGTGCCGAGGAGAGCGCGTCCACG
GAATTGAGCCTTCCGGTCAGATGACGCCATGGCAGATACATGAGTGCGGCGGGCGATGCTCTCGGCGATGA
TGACAATCACCGCGGTGATCTTGAAGTGTCCATGATTGAATCGCCACTCCGAGCACGGACCACAACAC

GCACAGCCCGAACACCCAATCACCCATGTACCAGCGCATGGCGCAGGCGACGGCCAGCAACAGCAAAGCC
 AGGATGATAGTGGAATCATCTGTCCGAACGCAGAAAGCGAACCGTCTTTGGACAGGTAGTAGCTCACTG
 CGCGGGCGATGTCGGTGATGGTCTCGATTCCCAGCCATGAACCCCAAAGCGAGAACGGCACCCAGCCCCA
 TAGCGTTCTGTCATGTCTCCGGGAGAAGAACCATAGCACCCAGATCACTATGGTCGAGGCAAACACCAAC
 GTGATCGTGGCCGGGTAGTTACGGCATGGAAGCAGAACAGCCACGCAATCTGCAGTACACAGGCGGCAA
 TGAACAGGATTCCGAGGAGACTGGCCGGGATCTTGCCAGATTCTCGCGCGGTGCTTATCGTTGCCGAG
 ACGCACAAGCCAAACGGCGGCGAATACGAATATGACCGCCAGATGAGATCCGTATATCGCGCCGGCACG
 AACCAAGTGAACGCCTCCGAATGCTGCGGCTTGACCATACGGCCCATCACCCGGTCTGTGCCAGCACGT
 TGCACACGACCAATGCGGCGAACGACACCCACGCACAGATCATCTCAATGTCATGCCGCACCTTCTGTTT
 TGAACGCTGCGAACTGCTTTTCGGCTCCACGGTCACCGCATTGGCCTGCGTATGCTCTGTCTGTCTCTTC
 TCGCCCATCAGCTCTCCCAGATACGAGTGAATGCATGTGTATGACTCTACGATATCGCCAGCTGGCGCAC
 ATGTTCCGGCATGAGCATCGAATTCAGTCAACCGGGAAAACCCGACGATGGAATATGGGGCGACGGCATAT
 GTTGTATTGGGTGGCTGCGGCACACGTCCACAATCGAACAAGTGTTCGACTTTGTGTGGAATTGAT
 GTACGATACTGCATACATAAGCCGATCGCATACAGACGGCGTGGAAGAGCGATGCCTGACGGGAGGA
 ATGCCTTGCCAAATCATGATGCACGGGCGAGCAGGAAAACGGTCTGGAAGAGGTGATGACGAGCGACTC
 GTTCTGAGCAGGGAGCTCGGCAAGGCGCCCTCGAGGAACACGATGGCAATCTGGTGGCCGACATCGGC
 CACTTGCCCAATGATCTCAAAATCATGGTGCAGGGTGCCCGCGAGCACAACCTCAAGGATGTGGATCTGG
 AATCCCCCGAAACCGCATGGTCTGTTCACAGGCCTGTCGGGGTCCGGCAAGTCATCGATGGCTTTGCA
 CAGTTGTTCCGGGAGGGCCAGCGCAGGTATGTCGAATCGCTTCCGCTATGCCCGCCAGTTCCTCGGG
 CAGATGGACAAACCGGATGTGATTTATCGAGGGTCTGAGCCCGCGGTCTCCATCGACCAGAAAACGA
 CCAACCGCAACCCACGTTCCACGGTGGGAACGATTACCGAGATCTACGATTACCTGCGTCTGCTGTTCCG
 CAGAACCGGCATACCGCACTGCCCGGTGTGCGGCGAACCAAGTGCAGGCCAGACCCCCAGCAGATGGTG
 GATGCACTGCTCGCATACCCCGAGCGAACCCGCTTCCAGATTCTGGCGCCAGTTGTGCGAGGGCGAAAAAG
 GGAATTACCGATCTGCTGAACTGCTGCGTGGCGATGGGTACGCGAGGGCCATCATAGACGGCGAGAT
 GCGGCAGCTGTCCGACGACATCACGCTGACTAAGCAGAAGAAGCATACGATCTCGGTTGTCATCGACCGT
 TTGGTGATTCTGTGACGGCATTGCCAGCGTCTTACGGATTCCGTCGAGACTGCGCTGCGATTGGCCCATG
 GGGTGATGGTGCCTGAATTCGTGACCTGCCGAGGACGATCCGAAAAGGCAGGTGCCGTTCTCCGAGCA
 TATGGCCTGCCGAATGGCCATACCCTCGATCTCGACGAGATCGAGCCGCGCACGTTCTCGTTCAATGCG
 CCCTATGGTGCATGTCCGGAATGCACGGGTCTCGGTTTACGCTTGAGATCGACCCCGAACTCGTTGTTT
 CCGACCCCGACAAGACGTTGAACGAGGGAGCTATAGAACCTTGATGATGACGAAGAGCAGCGGCGACTA
 TTACCGCCACCTGCTTGAAGGACTCGCCGATCAGATGGGGTTACGTCTCGATACCCCATGGAAGGACCTC
 CCCGAGGAGGTGCGCCAGTCAATCCTATACGGCCGCGACTTCAAGGTTGAGGTCTCGTATCGTAACCGGT
 GGGGACGTATGCGCGAGTACACCACCGGCTTGAAGGTGTGATACGATCCCTCATGCGGCGGCACGAGGA
 GACCGATTCCGAACAACGCAAACAATACTATGAATCGTACATGCGCGAAGTGCCCTGCAGCGCCTGCCAT
 GGCAAGCGCACTTGCACGGAGGTGCTGGCCATCACCGTCGACGGGGAATCAATCGCCGATGTGTGTGACA
 TGCGGCGCGAGCGCAGCCTCGAATGGATCAACAACCTCTCACTGACCGGAGCTGCGGCGAAAATTGCGGG
 TGAGGTGGTCAAGGAGATTCGAGCACGCCTCGGATTCTCAACGATGTGCGCCTGAACTACCTCACTCTT
 TCCCGTGCCGCCAAAACGCTGTCTGGAGGCGAAGCCAGCGCATTGACTGGCGACCCAAATCGGCTCCG
 GACTCGTGGGCGTCATGTACGTAACGAGCGCTCAATCGGCCTGCATCAGCGAGACAACGCCCGGCT
 CATCTCCACATTGCATCATCTTCGCGACCTCGGCAACACACTCGTGGTGGTGAACATGATGAGGATACG
 ATCACAAGCGCCGATTGGGTGGTGGACATCGGCCGAAGGCCGGCGAACAAGGCGGGGAGGTCTGTGATT
 CCGGCCCCCGGAACACCTTGTGACGCGCGGAGGTGATACCGGCGACTACATTGCGGGGCGTCGCAG
 CATCGAAGTGCCGAAGACACGGCGCAAGATAGATCGTTCACGTATGCTGAAGGTGGTGGGCGCCCGTGAG
 AACAATCTGAAGAACATCGACGTCAGGTTTCCCTCGGCGTGATGACCTGCGTGACCGGCGTCTCCGGAT
 CCGGCAAATCGACGCTCGTGAATCAGATTCTTACCGGTGCTGGCCGACAAGCTCAACGGTGCCCGCAT
 CGTGCCCGGCAAGCATACGCGTGTGAGGGTGTGGACAGTGCAGACAAGGTGATTGATGACGAGAAC
 CCGATCGGACGCACCCCCGTTTGAATCCGGCGACCTACACCGGCGTATGGGATAAAATCCGCGCCCTGT

TCGCCAAGACTCCCGAGGCGCAGGTTCTGTGGCTACGGTCCCGGACGGTTCCTTCAACGTCAAGGGCGG
 CCGTTGCGAAGCCTGTCACGGTGACGGCACCTTGAAGATCGAGATGAATTCCTTCCGGATGTCTATGTG
 GAATGCGAGGAATGCCACGGCAAACGCTATAATCGCGAAACACTCGAGGTGAAGTACAACGGCAAGACCG
 TCAGCGACATCCTCGACATGCCGATCAGCGAGGCCGCCAAGTTCTTCAAGGCGTACCCCTCCATCTCACG
 CTACCTTGACACACTGGTGGACGTCGGACTGGGGTATATCCGTCTCGGACAGCCAGCCACCACGTTGTGCG
 GGTGGCGAATCCCAACGCGTGAAGCTGGCCACCGAGCTGCAACGACGTTCCACCGGCAAGACGGTCTACA
 TTCTCGACGAACCAACCACTGGCCTGCACTTCGAAGACGTAAACAAGTTGCTGCTGGTGTGCTGCAGGGACT
 CGTCGACAAAGGTAACACGGTGATCATCATCGAGCACAACCTCGATGTGGTGAAGTCTGCGACTGGATC
 ATCGACCTTGGTCCCGAGGGCGGGCGATGGAGGCGGCACGATCGTCGCCGAGGGAACGCCAGAGCATCTGG
 TCACATGCGAAAGGTCTTGGACAGGCAGATTCTTGACCCGATGCTCGAACGGGCATCGAGCGACATGCA
 CCAATAACACATTGCCACACCTCACGCACTGTGCGCAATCACTCACGGCAACAAGCGATAAGGGGGAGACA
 TGCCTATTTTCGAGCGCCATGCGCCAGGAACCTGGAGGCATCTTGCCGATGATCTCATGGAAGTACCCGG
 CAATACCGGTGCCGGCGGTGATGCACAGCCGCCAGAGGACGTGAATGCGAACGGCGCACCGCTGCTCGGC
 GACTCCCGTGATCTCTCAGACCCAAGACGGGTGACATTCTGCCAGCCCGGCGTCTATAAGTGGCGCG
 ATGGCGACGGGCAGGTGATCTATGTGGGCAAGGCCAAGAACCTGCGCAACCGTCTATCCAATATTTC
 GCCATTGCGGCAGCTGCACCCGCGCACCCAGACCATGGTGCTCACAGCCCGATCCTTGGAATGGACGGTG
 GTGGGCACCGAATTGGAGGCGCTCACACTGGAGTACACCTGGATCAAAGAGTTTGATCCACGGTTCAACG
 TGCAGTTCAGGGACGACAAGACCTACCCATATCTGGCGCTGTCGATAGGCGAGGAGTACCCGCGTATTTG
 GGTACGCGCAGCCGCAAGCGCCGTGACACCCGCTACTATGGGCCATATGCGAAAGTGTGGGATCTGCGC
 AAAAGTCTCGACGGACTTCTACGCACCTTCCCGGTGCGCACGTGCACCGATGCGAATTTCCGCAAGGCGC
 AACTACCAATAGGCCATGCCTGTTGGCGTGCATAGGCAAATGCTCTGCCCCCTGCGTGGGGCGCATAAC
 CCCACAGGACCACAAGCGCCTGTGTGAGCAATTGGTGGCGTGCTTACCGGAGGCATAGGCAAATCGTAT
 GTGGCGAAACTCACTGCGGCTATGAAGGAGGCAAGCGCCGAACCTCGATTTGAAAAAGCCGCGCGCCTTA
 GAGATGAGATCCAGATGCTCTCCACGGTTGTGGAGCAGAATGCGGTTGTTCTCGATCAGGATGTGGATGC
 CGATGTGTTCCGGATTGCATCCGATGAACCTGAGGCGTCAGTGCATGCATTCTCGTGCGCTCGGGCTCG
 ATTCGAGGCGAACGCAACTGGAGTGTGGAACGCATCGAAGATGTCGATGACGCTGAACGATCAGCGATC
 TGATCATGCAGGTGTATTGGAACGTGTACAGTGAAGCGTGAAGCGGGGAATTCCGCAAGGACTGATGCACC
 ACCATCTCCAGACCCACCGTGGAACCGCCAATAGCCAGGCAGCGACGCTTGACGCGGCCGTGAGCGCG
 GAACCCACGCCCATTGCGATGAAAAAGCACAGATCAAAGTCGAGGAACAGCGCACGGCCATGGGATCGA
 CACAGCGCATGTGCGCCGGCGACGCGTCATCCCGCGCACAGTCGACCAAGGCACGTAACGCAAGACGCGA
 GCATACTGGTGTGCGGATCTGCTCGAACCGATCGCCCTGTGCCAGACAGGTGCTGGTGTGCGGTGATG
 CCTGCGCGTGCCGATGACCTGGAACAATACTTGCAGCGGCTTCCGCGGTGGCGCGGTCTCGATTGGGACGC
 CTGCAAGGGGTAACAAGAGGCAACTGCTCGAACGCGCCGAACAGAACGCACAGCAGGCGTTGCAACGTT
 GAAAATGAGCCGCATCTCCGACATAAGTGCGCGTACGACCGCCATGAACGATGTGGCCGATGCGCTTGA
 CTCAGCCAGGCGCCGTTGCGCATCGAATGCTATGACATCTCGAATACGGTGGGCGGGGCGTTCCAAGTGG
 CATCCATGGTGGTGTTCGAAGACGGCATGGCCCGGAAATCCGAATACCGACGCTTGCCATACGTGGTGC
 CGACGGAAAAGGTGCGGTGGACGATCTCAATGCGCTGTATGAGACGCTGACCAGACGATTCAAGCATGGG
 AACATTGCGGGAGACACCGGCGAAAGCATGGACAACGAGAAGCGGGCTTCGAGGAGGGAGAGCTTGAAT
 CCGCCGAGCAGGTCCAACAGGAAATAGTCCAGCAGAACACCGATCGCCGTATTTGCGCTACAAACCGAA
 TCTGGTGGTGGTGCATGGCGGCAAGCCTCAGGTGATGGCCGCCGCGAAAGCATTGGAGGACTGCGGTGTG
 ACTGATGTGGCCGTGTGTGGCCTAGCCAAGCGCATGGAAGAGGTGTGGGTGCCGGACGACGACTATCCAG
 TCATTCTCAAACGTTTCATCGAGGGCATGTACCTGCTTCAACGTGTCCGCGATGAATCACATCGGTTTCG
 CATCAACTACCATCGTCAGACAGACGCAAGGTGCCCTCCGTTCCGGCACTCGATGAGATTCCGGGAATC
 GGCCCAACGTTCCAAAACGGCTGCTAAACCACTTCGGGTGAGTGCGCCGCATGAGACAAGCCAGCCTCG
 AAGAAGTGAATCCGTGAAAGGCGTTGGCCACGCCAAAGCACGGGCCATCTACGAAGCACTGCATGACAA
 TGCTTCGTGACCACTTATATGCGCTATTGCAATGGCTATGAGTCGTGTTGTGGCATGCGCCGATGCCGCA
 ATAAAGCATAGTTATGCTGTAGAGTGCTGTAGGGCATGCAACGGGCATGCACAAATGAGGGGATGAGAAT

ATGAATGAGATGCAACGATGTGCGGTATTAGGCAAACCAATCGCACATTCGCTGTACCCGGTGTTGCATG
 AGGCTGCGTATCGAGCGCTGGGTCTTGACAATGGTCGTATACGAAGCAGGAAGTGGCTGAAAGCGAACT
 TCCCTCATTCCTCGCTCCCTGGACCCCTCTGGCGAGGCTTGAGCCTGACGATGCCGCTCAAACGCACC
 ATCGCCCCCTTCGGTATCGCACGGAACCAATGGGCACGGGAGCTTGGCGTCGCCAACCCGTCGTGTTTCG
 ATTGGGATTCCCCCTCGACCTCAGCGGGTCGGGATCTTCGGCCATGGCACTTTACAACACTGATGTCTA
 TGGTATTGTGCGTGCTTTCCATGATGCCTTTTCGCACCCATGTCATGACGTTGCCAGCTCAACCACACGCA
 GTCATACTCGGCAACGGCAACACCGCGACTTCGGCATTGGCGGCGTGATCACGATGGGCTGTTCCCAGA
 TCACTGTCGCCGCACGGCATCCGAATCGCAGCACGGCACTGATCGAGCTGGGTGCCGCGCATGGTGTGAC
 GGTTCTGTAGCATCTCCTTGAGGATTGCCTTCAGCACTGGAACAATGCAACATCGCCATCAGTACGATT
 CCCGGAACGGGCGCCGATGTGGTTGCCCGGCATTTTCGCGGAGCATGCACAACCCATCCATGGGGCATTGC
 TCGATGTCGTATACGATCCCCGTCCGACCGAACTCATGGTGGCCTGGCGCGATCGTGGCGGCCTCACCAT
 AGGAGGAGAGCGGATGCTGCTACATCAGGCCGTGGCGCAAGTGTTGCTGATGACGGGAATAATCGGGGGT
 GCCGATGTGGATGATGCCCTGAATAATCCACCCAAACCGGTACACTGGAACAGGCCATGTGGGAAGCGT
 TGGAGAAGGAGTTGTGATGCAGTCCGCACGCAATGAACAAAGAGGCACGGGACCAGAATCACCGCATGCA
 GCCTCTCTACGGAAGGCTTTGAAGTGCTGCTCATCACCGGCATGAGCGGCGCCGGTCGTTTCGCACGCAG
 CCCATAGCATAGAGGACATGGGGTGGTATGTGGTAGACAACATGCCACCCAACTCCTCGAACCCATGGT
 GGACATGATGACTGCGTCGAAATCCGGGTTTCATAAGCTTGCAAGTATGATCGACGTGCGCTCCCGCGAC
 TATTTTCATGGACCTGAGTTCGGTGCTCTCGCATCTGGATGATCTGGGCCTCAAAACGCGCATCCTCTTCC
 TAGATGCCGATGACAACGTATTGGTCAAGCGATTGCAATCCGTCCGCCGGCCGACCCCTTTCAGCAGGG
 TAACCGTCTTATCGACGGCATCCACGAAGAGCGGAGACTGCTCGAGAACCTCGAGGAACGTGCCGACATC
 GTGATCAACACCTCGAACTGAGCATCCACCAGCTCTCCACCAAGCTTTACGAGGCTTTGACAGGCAACG
 GACCCACAACCGTTTCCGTGCACATCTTCAGTTTCGGTTTCAAGTACGGCATACCGATCGATGCCGATT
 CGTGGCCGATGTGCGGTTCTGCCCAATCCCTACTGGGTGCCACAGCTACGAGAGCTCAACGGACATGAT
 GCACCGGTGAGCGAATACGTGCTGTCGAATGACAAGGCCACACAGTTCCTCGATGCCTATGAGAAGGCCA
 TCGAAATAGCGATCCAAGGCTATGCACAGGAGGACAAGCATTATGTGACGATCGCAATCGGTTGCACCGG
 CGGCCAGCATCGTTCCGTGGCGATGAGCGAGGCATTGGCATCAAGATTGCGGTGCGATGGCCTCTCGGTC
 TCCGTCTCGGCCGAGAGTTGGATCGGAAAACCAATGATTGCAAGTGGTTTCCATATCGTGAAAGCAA
 CTTCACATGTGGGAAAACCTCAACAAAGATGTCCAAGACGTTTCGGTATCACAGAACAGCGGAGTCAATGA
 GACACGCCGAACCGTAATAGGTACACACAACCTTACAGGAGGATCTTTTGGCGCTTCTCGATGAGGTCAA
 AAGCGAGTTGTGCAACATCGATGGGGGATCCCCGGCGGTGCAGAAGGCACAGGTGACGTCGATGCTGTAC
 TTCGGCCGAGGATTCCGCAAGGTGCAGCGTGAATCCTCGACGCAGATCATCGTCCAACCAACATTCGACT
 CCATGGAAGCCGCCACTGGCTCCAGGAAACAATCGAGAGCCTGTATAAAATCCCAGCCGCCCTCAAATC
 CGTCGATGTGAAGACCCCTCAGGGCTCCATGCGTCGATATGCCGTGGACGTCGGCGCACGCGCGGTTTC
 GCATTGGCGGTGCGCACCGGCATGATAGACCCACGGCTCAACCGTATCGTCCGCGGACTGCCAACGGATC
 TGTC AACGGCAACATTGCCCAAATCAAGGGTGTGTGGCGCGGTGCCTTCATGTCTGCTGGTGTGCTTTC
 GGATCCCAGCAAACCCAGCGCGCTTGAGATTATCTGTCCGAACGAGGAGACAGCGGATTGCTCATCGCC
 ATGGGTGAGCGCTCGGCATACGAGCCGCAAAGCATACGGTGCAGTTCGTCGATCCGTCGCTGCTGCAACGGGCGGAG
 AAAGCGGAGCAGGACGCCGCAATGGCGTAAGCTGGTGTAAAGCGTGATGTTGCGTAACGGATAATCGAAC
 CGATATCGCGTGGATTGACGCTAGAATGCAAGGGATGGCATAAGCCACACCCGATTCTTGCGGTTAGA
 AAGGATAACGAATGAAGACACTCAAGGATCTGGAGATCTGAAGGGCAAGCGGTTCTGGTTCGCGCAGA
 TTTCAACGTTCCGCTGGATGGGACTACGATACCGACGATGGTCGTATCAAGGCGGCGCTGCCTACCATC
 GAGGCTCTGCGCAAGGAAGGCGCCAAGGTCATTCTCATGCCCCATCTCGGCCGCCGAAGGGCAAGGTTG

TTCCGGAGCTTTCCTTGCTCCCGTGGCTGCACGCTTGAGCGAACTTCTCGGTGTTCTGTGGTTCTCGC
 CTCCGACACCTATGGCGAGGACGCCCAGGCTAAGGTAGCCGCCATGAAGGACGGCGACGTTGTGCTGCTG
 GAAAACGTTCTGTTCAACCTGAGGAGACCAGCAAGGACGAGGCCGAGCGTGCCGCATACGCCAAGAAGC
 TTGCGGCTCTCGGCGATGTGTTCTGCTCCGACGGCTTGGTGTGGTTCATCGCGCACAGGGTCCGATTA
 CGATGTGCTGCCGACCTGCCGGCCCGCTGGCTTGTGGTGGAGAAGGAAGTCAACGCCCTCTCCAAG
 GCGACCGAGGATCCGGAACGTCCGTTACCGTTGTGCTCGGTGGCTCCAAGGTCTCCGATAAGCTCGGAG
 TGATCGAGAACCTTCTCGACAAGGCCGATCGTCTCGTCATTGGCGGGCGCATGGTGTTCACCTTCCTCAA
 GGCCAAGGGTTACGAAGTCGGTACCTCCCTGCTGGAAGAGGATATGATCGACCAGGTCAAGGGCTACATC
 GAAACCGCCGACAAGAACGGCGTCGAACTGGTGCTTCCCGTTGACATCGTCGTGAACAAGGGCTTCCCGG
 CTGGTGACACTCCGGTCGATCCGAAGGTGGTTCCCGCCGATCAGATTCCGTCTGACATGATGGGCCTCGA
 CATCGGACCTGAGTCATGCAAGCTGTTCCACGACAAGATCGTCGATTCCAAGACGGTCGTATGGAACGGC
 CCGATGGGCGTCTTCGAGGTTCTGCCTTCGCGGCAGGCACCAAGGCCGTGCCCCAGGCTCTGGTGGATG
 CCACCGAACATGGTGCCTTACCATCGTCGGCGGTGGTGATTCCGCTGCGGCCGTGCGTCAGCTCGGATT
 CCCCAGATGGCTTCTCGCACATCTCCACGGGCGGCGCGCCTCTCTCGAATTCCTCGAGGGCAAGGAG
 CTTCTGGCCTCAAGGTCTCGAGTAGGGATTACAACACTAGCCCAATAACGGTGTGACGTGGCGCCCCG
 GCAATAGGTACTGGGCGCCACGTTCTCATATGGAGGACAGGCAAGGCAATATGGCATCGACACGACGCAT
 CCCCATGGTTGCGGGCAATTGGAAGATGAACTTCGATCATCTTGAGGCGACCGAGTTCGTCCGGGCATTTC
 TCCAAGAACCTCAAACGATGCCATTTGACTTCAATCGTTGCGAAGTGGCGCTTCCCGTCATTACCT
 CGATTCTAGCGTTAGGTGATGGTGAATCCGAACACTTGCGCATCAGATACGGGGCCAGGCCGTTTC
 GGTCACGTCACAGGGGGCGTTACCGGTGACGTCTTGC GGACATGCTCGCGCATCTGGGTTGCAGCTAT
 GTGATTGTAGGCCATTCGGAACGGCGCAAATACCATCCGAGGACGATGCGAACATCGTCGATCAGGTAC
 GAGCGGTGCTTGCCGCCGGCATGCAGCCAATCCTATGCGTCGGCGAGAGTCTGGAGGAGAGGGCGAAAGGG
 CATTGAACTTGAGTTTGCCGTCCGACAGGTGCATGACGTGACACGCGACCTTCCGATGGGGAGGCATCA
 AAATCATCATCGCTATGAACCCGTCTGGGCGATTGGCACGGGCATGGTTGCTACACCGCAGACAGCGC
 AGGACGCCGCCCATGCCTTCCGCGTGGATCTGGCGAAATCATTGCGCGACCATGTGGCGCAGACCGTGCG
 TGTACTGTATGGAGGCTCGGTGTCTTGAAGAAGTGTGTGGAGCTGATTGAGGAGCCGGACGTGACGGC
 TTCCTCATCGGAGGTGCCGCCCTCGACGTCGATGAGCTACCACAATCTGCAGGAAGACGATTGCGACAA
 CATCTTCACATGATAATAGTTGATTTGCACGCTTTTCGCGAACTTGCGGTACACTGGACAACGGTATT
 GAAATTTGGAGGTTACCCGTGACTGTAGTCAAGCTGATTCTGCAGATTGTGCTGGTTGTGCTCAGTCTG
 CTGCTTACCCTGCTCATCTCATGCACAAAGGCAAGGGCGGCGCCTGTCCGACATGTTGCGGGCGGCC
 TTACGCAGAACGCCGTTCTCTGGCGTTGCCGAGAAGAACCTGAACCGTTGGACTGTGATCATCGCACT
 CATCTGGGTTGCCATCATATTGCGCTCGGACTGTTACCAAGTTCGGTGTGCGCTGATATGAGTTTGTG
 AAAGGACCCATGCTCCTCCCTAGGAGGGCATGGGTCTTTGTTTTGTTATACAACAGCATATGATCCA
 CGAACAGGGGAGTGACTTGACGGAACCATTCATTGTCGCCGATCTGGACGGCACATTGCTCCATGACGG
 CAAGACCTTCGAACAACGCGCATTGTGCGACTACACGATTACACTGTTGACACATTGCATCGCAACCAT
 GTTCCGTTTGTGCTGGCCACCGCACGTCCAGTCAGCACAGGTCTCGACATGGTACGCCGATTGCATGCCG
 ATGCATGCATCTATCTCAATGGCGCACTCATCGACTTCCATCCGGCGACCTCTGATTACGCGATGCTCAC
 CGGAACCAAATCTACTCCCAACGGGCAACTGTTGAAAATAGGCTTCTCTTCAGACTATGCCTGCGAGGTG
 TGCCGATCAATCGCGCATGTGATTCCCGACATCGAGATAGGCATCGTCATGGATGACGTACGATATACGA
 ATTTGATGTGTCTAAGTACTGGAAGACACAGACGTGGCGATTACCGATTTCACCGACGTCCAGAGGG
 CACCGCAGACAAGATCATCATCTTCCAACCAACGAGCAGACTCCGTTGCTCAGCACATTGCTTCTGAC
 GAACTGTCGCTCAACATCAGCGAGGGAAGTCTGTGGATGCTCATGGATCCACATGCGAACAAACAGTACA
 CCATGGAAGTGTGTGCGACCGCTGGAACATCGATTGAACAATGTGGTCGCATTTGGCGATGACATCAT
 CGACATTGACATGATGCAGCGTGCGGGAACCGGAGTGGCCGTGCGCAATTCGAATCCGAAAGTATTGAAC
 ATAGCCGATGAGATATGTGCTTGAATAACGATGACGGCGTGGCGAAATGGATTGAACACCGCATATTCA
 TAAATTGATCTTGAACCTTCTGTATTTGAACACTGAAATGTTCAAGTCAAACTATGTTCAACCGTTACG
 GTACGCTTCAAGAAACACTTATGTTCTAAGTTCAACGGAGGGACGGCATGACCGATTTCACCACGCGCC

TCAATCAGGCGATGGAGTTGCGCAACATCAAGCAGATCGACTTCGTCAAAGCGGCGCAGGACCATGGAGT
 CAAGCTGGGGCGCAGCCACATCAGTCAATATGTGAGCGGCAAAACAAGACCGCGCCGCGATATTGAGCGA
 TTCCTCGCGGCTGTGTTGCGGGTGAACGCGGATTGGCTGGCAGGCGAGAGCGTGCCGTTGACGATGATC
 CTGAAACCTTCGCAAAGATTGAACACGTGAGTCCAGACGCCGATTTTGAACATATCAAGAGAGTTGAACA
 GAATAGTTGATTGAGAATTCTGAACATATTGAACATAACAATGAACTCGCTGAAATTGAACAGGAGCAA
 GACATGGAAGCGGCAGCGAACAATAATGTGCAGGACCCCTCGTTCCTGATGTGCCATCAAGTGTCACAT
 CGGAACCCATGAACATCGGCTCCCGACGGGTCTTACCAAGTCACATAAACTGGACAACGTGCTCTATGA
 CGTACGCGGACCGGTGGTCAACGAGGCGGCGCGCATGGAAGCAGCCGGCATGCATGTGATGAACTCAAT
 ATAGGCAATCCAGCCCCATTGCGATTCCGTACACCGGACGAAGTCGTCTATGACATGGCACAACAGCTCA
 CCGATACGGAAGGGTATTGCGCGTCAAAGGGGGCTCTTCTCAGCCCCGTAAGGCGATCATGCAGTACGCTCA
 GCTCAAGAACCTGCCAATGTGGGAGTAGAAGACATCTACACTGGCAACGGTGTGAGCGAGCTCATCAAC
 CTCAGCATGAGTGCGTTGTTGGACGACGGGGACGAAGTGCTGCTACCGGCCCCGACTATCCGTTGTGGA
 CGGCATGCGTCACCCTGGCAGGCGGCAAAACAGTGCATTACGTCTGCGACGAACAGTCGGAGTGGTATCC
 GGACATCGACGATATGCGTGCCAAGATCACCGATCGCACCAAGGCAATCGTCATCATCAACCCGAACAAT
 CCGACAGGCGCGCTCTATCCGACCGAGGTGCTGCAGCAGATCGTCGAACTGGCGCGGCAGCACCAGCTTA
 TGATCTTCTCCGACGAGATCTATGACCGCTCGTCATGGATGGGCTCACCCACACGTCAATCGCCTCCCT
 CGCCCCGACCTGTTCTGCGTGACCTATAGCGGTTTGTGCGAAGTCTCATATGATCGCCGGGTACCGCATC
 GGCTGGATGATCCTGTCAGGCAACAAGTCGATCGCGAAGGATTACATCGAAGGCCTTGACATGCTCACGA
 ACATGCGCATCTGCTCGAATGTACCCGCCCAATCAATCGTGACAGCGGCATTGGGAGGCCATCAGAGTGT
 CAACGACTACCTCGTTCGGGGGGCCGTATATACGAACAGCGTGAATACATCTACAACGCGCTGAACTCA
 ATCGATGGCATCACGGCGGTCAAACCGAAGGCGGCCTTCTACATCTTCCGAAAATCGATGCGAAGAAAT
 TCAACATTCGCAACGACGAGCAATTCGCGCTCGATCTGCTGCACGACGAGAACTGCTCATCGTGAGGG
 CACCGGTTTCAATTGGAAGGACCCGGACCATTTCCGTGTGGTCTACCTGCCGCGCGTCGAGGTGCTCAA
 GGCGCCGTCGACAAAATGACACACTTCTTACGCCACTATCGCCAATAGGCGCATGCATGGCTTGGCGAAC
 AACAGGGAATGCGGAAAGGATGACAGGAGACATGGCCGAGGGGAACATCAGCGCGAACGATCAGGCGATA
 CTCGAACTGCTCGAGAACGATGCGCGGCTCGATGCACGGGATCTGGCGGACATTCTGGGCGAGGAGGCAC
 AAGAGGTGCAGCAGGCCGTCCGCCGCATGGAGGAGCAGAAGATCATCTGCGGTTACCATACGGTGATCAA
 CTACAACAAGGTGCTGCGTGACGAACGCATCATGGCGTTCATTGAGGTGGAAGTCAGCCCGATGAAAGGC
 AAGGGCTACGACCATAACCGCGCGTTGCTCGCAAAATACCCCGAGATTGATTGCTCTACCTGATCACCG
 GCGACAACGACTTCATCTGCCTGGTGACAGGGCAAGACGATGTTGAAAGTGTCGAATTTGTGGCCGATCG
 CATCGCCGTCATGGAGAACGTGCAGAGCACGAAAACGTTGTTCTGCTCAAGCAGTACAAAACATCCGGC
 ATACTACCCGGCGCCGTCGGCCGAACCGTGCCGAGGACCGTCTGGTGGTGAGCTACTGATGAAGCCGAT
 CAACCAGACCATCGCGCATCTCAAACCGAGCGGCATTGCAAACTCTCGATCTGGCGAACTCCATGGAG
 GGTGTGATCTCGCTCGGTGTGGGGGAGCCGACTTCGACACACCGTGGCATATCAGCGCGAAAGCAGTGG
 AGTCCTTCGAAGACGGCCATACGCACTACACCGCGAACCGGGGACTCATCGCCCTGCGCAAGCAAATCGC
 AGGGTATTACCACAGCCGCTACGGCATCGACTACGACCCGCAATCCGAGATTCTCGTGAAGTGTGCGGTGGT
 TCGGAAGCGGTGGATCTATGTTGCCGGACGTTGATCAGTCCCGGCGACGAGGTGATTGTGCTGGACCCGA
 ACTACGTGGCTTATGAGCCGGCGATCCTGATGGCGGGTGGGGTGCCAGTGCGTATTGAGCTACGCAAGA
 CAACGATTTCAAATTAAGTCCGGAGGACCTCGAACGCGCGATCAACGACCATAACCAAGGCAATCATTCTC
 AACTTCCCGTCGAACCCGACCGGTGGCGTGATGACCCGCGAGGACTACGAGCGTGTGGTTCCAATCCTCA
 AGGAATCCGGAATCTACGTCATCTCCGACGAGATCTATTCCGAACTGCTGTTGAGGGGAGAATTCTGCTC
 ACCTGCCAACTTCGAGCAGATTCGCGATCAGGTGCTCGTCATCAACGGCTTTTCAAAGGCCTTCGCCATG
 ACCGGTTGGCGCCTCGGTTACCTGCTGAGCAACGCGGATCTGAGCCAACAGCTACCAAAGTGACACAGT
 TCGTCATCATGTCCGCACCCACATCGGCACAGTATGCGGCGATTGAGGCGCTTGAACACGGCATTGCCGA
 TACCGAGTCGATGCGCAGGGAATATGAATCGCGGCGCAACCTCATCTGTGCCAGGCTCAACCGTATGGGA
 CTGACGACGAATGTACCGAAAGGCACGTTCTACGTGTTACGAACATCACATCCTCAGGCCTCACCTCAG
 ACGAGTTCTGCGTGCGCCTGCTGGAGGAGCACAAGGTGGCCATCGTCCCCGGCACTGCCTTCGGCGATT

CGGGGAAGGCTTCGTACGCATTTTCGTATGCAACGAGCATGGAGAACATCAAAGAGGCCTGCTCACGTATC
 GAGGCGTTCTCGAATCATTGCATCTGCCGAGTGAATCTGTGGACTCTCACCATGGCAGCCATTCTGTAC
 ACTCAGCCTCCCCGCTTCCCAAATCCCGATGGGCGGGGAAGGGCTCATTGAATCGCGGCTCTCGTTGC
 TTAAGTCCGAGGACGATCAGGATTCACGCCGCTTCTCGACCAGCAGGCCTCCACGATCGATATGACCGC
 CGCTGCGTTGCTCAATTGCGAGTTCAGGAATCTCGCAATTGACACAATCATTGCCGAGCGCACACATGTT
 AATCATGTGCTTGTGGATTCTGCCGCACTGCGTTGCTCGGCATCCGACGATCGGCATGGAAAACAGCA
 TTGCGGTCCACTGCTCCTTCGGTGCCGTTAGGCGAACACGGCGAAGATCATTGGCATGGAGATTCTGTG
 ATGCCGCATCGACTATCTCAATTGCAGAGATGCCATATGCCGTGACATCATGTTCCGCGATTGCGAGATA
 GGGGAGCTGGACGGCAACGATGCCAAGTTCTCGCGCATCGCATTGCTGGGACACGAATAGACGTGCTCT
 CTTGACGATGCCATATGTGCCGATGTGGATTGCGTGGCGCGCGGCTACGGGAGATTGCAATGTGCA
 TTAAGTGCATGGGACCACCATGCTTTGGAGCAGATCGCCGACCTTCCGAGGTGTTGCGACGAAGCATC
 GGCATCCGCACACAGTGATCGATTGCCTTCGATGCATATAGAAAATGGGCCAGCGAATGCTGGGCCAT
 CCGATTATGTCTTGACTAGACCAAGTCAGTCGAAATCAGCCGTTGACACGGTCGATGCCGGACTGGACAT
 CGGTGAGCACCGAATCCAGGACTTGATGAAGGCGGCGACACCATCGGCCTCGAGCTTGTGCGTGACATC
 CTTGAAGTTGATGCCAACCTCGGCGAGGTGCTTCATGATGTCGTGGGCTTCGTCATAGTTGCCCGGGATG
 ATGCCAGCGTGGCCTGGCCGTGATCGGCCACAGCGAGCAGGGTCTTCTCAGGCATCGTGTGACGACGT
 CTTGGCGACGAGCTCATCGACATACTTGACGTGCGAGTAAGCGGCGTTCTTGGTGCCGGTGGAGGCCCA
 CAGCGGACGCTGCTTCTTGGCGCCCTTGGCTTCCAGAGCAGCCAGCGCGGATCCTCGGCGAATTCTTC
 TCGAAGAGCTCGTATGCGAGGCGAGCGTTGGCCACAGCGGCCTTGCCTTCGAGACCCTTGGCTCGAGGG
 AGCCAATCTCCTCGAGCTTCTGTGACCGCGGTATCGACACGGGAGACGAAGAAGGATGCGACGGAAGC
 CATCTTGACAGATCCTTGCCATTGGCGTCGGCTGAACCATGCCTTCGATGAAGGCGTCGATGACCTGC
 TCGTAGCGCTCGAGCGAGAAGATCAGCGTGACGTTGACGGAGATGCCCTTGGCCAGGGTAGCGGTGATCG
 CCGGACAGGCCCTCGAGGGTCGACGGGATCTTGATCATGGCATTGCGACGGTCGACCTTGGCCAGAGTTC
 CTCAGCCTGCTTCTCGGTCTCGGCGGTCTCGTGTCGAGGCGCGGATCGACTTCGATGGAGACACGGCCA
 TTGACGTAGTCGGAGGCTCGGCGACCGGCTTGAAGATATCGCAGGCATTGCGCACGTGCGTGGTGGTGA
 GCTCGCGGATGGCGGTCTCGACATCGACCTTGCCGAGTTCCTTGAGCTGTGCGTCGTACGGGCCGACCTG
 GCTCAGAGCCTTCTGGAAGATGGACGGGTTGGTGGTGACGCCAACACGTTATCGTTCTTGATGAGCTCT
 TCGAGATTTCCCGACTCAATGCGGGTGGGGACAGGTCATCCAGCCAGATGGAAACGCCGGCATCGAAA
 TTGCCTGAGTAGATGCAGTCATTATGTATCTCCTAATTTGTGTTGTTGAAAAAATCCAACGCCTACCAAT
 GTAGGCAAAGGGGAGGGGATGCCGGATGGCATCCCTCATAGATGAATCAGCGAGCCTCTTCGATGGAGG
 CTTGGCTGCTTCGACGACATGCTCGGCGGTGATGCCAGATCGATCATGTTCTGAGCACCGTCGCCCTG
 CAGGCCGAATGGTCGATGGCGATGGCCTTGCCATAAGAGCCAGGTACTTGTACCAGGACATCGCGGAG
 CCGGCTTCGATGGAGACGCGGGCCTTGATGCCCTTCGGGAGGATCTCCTCCTTGTACTCGTCGCTGCTGCT
 CCTCGAACCATTCATCGAGACCATGGAGATGACGCGGGCCTTGATGCCCTCCTGCGCCAGCTTCTTGGC
 ACCTTCCAGGGCCCACTGGACCTCGGAGCCAGAGGCCATGATGATCACGTCCGGCTGGCCTTCTCGCCG
 TAGAGCACGTAAGCACCTTGGCGACGCTTCTTGGCCTTCTCGGCGGTCTCGACGAGGGTCGGGACAC
 CCTGACGGGTCAGACCATGGCTGTTGGCAGCGTGTCTTCTTCTCGAAGAAGTAACGGTAGGCTTCGGC
 GGTCTCCCACTCATCGGCAGGACGAACGACTTCGAGCTGCGGGATGTCGCGGAAGGAGCTCAGGTGCTCG
 ATCGGCTGGTGGGTCGGGCCATCCTCGCCGAGGGCCACCGAATCATGGCTCCAAATGTACAGTTTCGGGA
 TCTCATGAGAGCCGACAGACGGACTGCGGCACGCATGTAATCTGCGAACTGGAAGAAGGTGCCGGAGAA
 CGGACGGGTGTCGGAACCAACAGGATGCCGTTGGTGATGCAGCCATGGCGAATTCGCGCACACCGAAG
 TGACGTGACGGCCATACGGGGAGCAATCCGGCCACTGGGTGGTGGCATCTTCCGCCGAGCGAAGGACG
 CGGCGCCCTTGATGTTGGTGTGTTGGAACACCCAGATCGGCGGAGCCACCCACAGCTCAGGCATGAT
 CGGCGCGATGGCATTGATCACAGCGCCGAGGCCTTGGGGTTCGACCTTGATCCGGCCTCGAAGCCG
 GTTCGAGATCGTCAATGGCCTTGTGCAATTCCTCAGGCAGCTACCGTTCTTGATGCGGTTGTAGAGAG
 CAGCCTTGTCCGGGTGGCATCAGCCACTTCTCGAAGGCATCATCCATTCTTGTGTGCTCAAGGCC
 GCGCTCTGCGACCTTGGGGCGTGGGCCAGTGCTTCTTCTGTCACCTCGAAGGTCTTCGTGCGATCGAGG

CCGAGGGCCTTCTTGAGACCCGCGACGGCCTCGTCGCCCAGAGCGGAGCCATGGGACGAAGGATCGTTGG
 TCTTGCCCGGAGTCGGCCATGCGATGAGCGTGTGACCTTGATGAAGTGC GGACGATCGGTGACCTGCTC
 GGCCTTCTCGATGACCTTGGACAGGCCTTCGATGTCTTCTTGTAAGAACGTCGGGCTGGATGAAGCTG
 AATTCATCGGTGTACCAGCCGTAGGCCTTGTAAACGCTCGATCACGTTCTCGTCGAGGGCGATCTTGGTCT
 CGCCTTCTGATCTGGATGTGGTTGGCGTGAAGAAGACGAACAGGTTGCCGAGCTGCTCATTGCCGGCAAG
 CGAGGAGGCTTCGCCGGAGACGCCTTCCTCGATGTGCGCTTCACCGCAGATGACCCACACCTTGTGGTCG
 AACGGGGACTTGCCCTCCGGAGCATCCGGATCGAGCAGGCCGCGCTCGTAACGCTGGCCATATGCGAAAC
 CGACGGCGGATGCGACACCCTGACCCAGTGGGCCGGTGGTCATTCGATACCGGGGGTCAGGCCGTA
 AGGATGGCCCGGAGTGCGGGTATCCGCGCCGCCACGGAAGTACTTGAGGTCATCCAGCGTCAGGCCATAA
 CCGGAGAAGTACAGCTGCACATACTGGGTAAGCGATGCATGACCGCCAGAAAGAATGAAACGATCGCGAC
 CGGCCAGTTCCGGTCTGTCGGATCGTGCTTGATGAAACGCTGATAAAGCGTGAGGCGATTGGAGCCAA
 CGAAATCGGGGAGCCCGGATGACCGTGGCCCGCCTTCTGCACTGCATCGGCGGAGAGGGCCTTCGCCATC
 TTGATGGCGCGCTCATCAATTCAGACCAGGTGTTATCGGTCATAAGTGATCTACTTTCCTTCCAATATT
 TCGAGCGCCGGGGCCCGGCTTGTCCAACAACGCCGGCGCTTTCACATTGCACTTACATACTAACCGC
 AATAACCGACGAGATTCCGCGCCTTTGGCGTGTTATCCGCTTCTCTGTGAGCCGGAATTAGCACTCTG
 TATGCAGAGTGCTAATACAATGTTTCTGAAAAGCGTAATAAGGGGTATATATGAGTTCGACACGTCGCAT
 GCAGATTCTGCGGGCCGTTGTAGAGGACTATATACGGCAGCAGGAACCCATCGGATCCGGTGCCTGGCG
 GCCAAGCACCATTGAGGAGTGAGCCCTGCCACAATCCGCAACGACATGGCCGCGCTGGAGGATGAAGGCT
 ATCTCACCCAGCCCCATACCTCGGCGGGACGCATCCCGACCGAAAAAGGATACCGGTACTTCGTCAATTC
 GCTGAGCACACCGATACCGCTACCGCAGAGCAACGGGAATCAATCAGCAGTGCCCTGAGCGGTTCCGGC
 AGCCTGCAGGACACATTGCAGCGCGCCGCACGCATTCTCTCCACCATCACCGGTCAATATGCAATGGTGT
 CGGCGCCGTCGTTGTCCCGGTCCCTATGAGGCACGTGGAAGTCTGCCCCCTCGCCGCGCATACGCTCCT
 GCTGGTGACGATAACCGAGACGGGCCGCGTGGTGACAGAGGTTGGTCTCGACGGACACGTTGCCGAATACC
 GAGCAGACGCGAGTGACATATGCGAAACGATCAATACCCATTGCCGCTGCTCACGTTCCGCCAATGCGCGC
 AGAGCATTTCGACGCTGCCAACCGACTCCGAGGGGGGATTACCCCCAGCTCCGCGATGCCATGCGCGC
 GGTGTTCTCCGACATGGAGAATGAGGAGCGTCCAAACGAGTTGTTACCTCAGGTGCCGCAAGCCTGACA
 CATCAGCATATCGATGCTGCCAGCCTTGACCCGCTTTCGATGCTTTGGAGGAACAGGTGGTGTGATGC
 GCCTGATGTACGATCTGACGGGGCAGCCTGGCCAGGAGGGTGTGCGCGTGCCATCGGCTCGGAGACACA
 CACGCCAGGTCTGCTGCATGCCTCCGTGGTGAGCAGCGGCTATGGGCAGAGCTCCACCCGAGCGCAAAT
 GTCGAGCATGAGGAATACGACACAGGCACCAAGCCAACCATGCCGATCGCCGTAATCGGATCCATTGGCC
 CGACCCACATGAACTATGCGGTGACCATGGCCGCCGTCCATGCCGTATCGCGGTATCTGACCGAGTTCCT
 GCGCGTTGGCCATAATGGATGGCAGGAATAACAGCCGAACCTTTCGAGTAGCAATATACAGTCATAAGAA
 TACGTCCCAGCACAAACAGAAAGAGTGGCCGTGGCAGATTATTACAGTGTCCTAGGTGTGAGCGCGATGC
 GACGGAAGAGGAGATCAAGCGCGCATACCGCAAGATGAGCCGTAAATACCATCCCGATCTCGCGGGTCCG
 CAGTTCGAGGAGAAATCAAGGAGGTCAACACCGCGTACGAAGTGCTTCCGACCCGGAGAAGCGGCGTA
 TGTTGACATGGGCGTCGATCCGAACGATCCCCGAGGCGGAGCGGGATACGGTGGCGGCCAGCCCTTCGG
 CGGATTGACATGGGCGACGTGTTGGCCAGTTCCTCGACGCTTCGGTGGAGGTACCGGCAACGGTCCG
 ATACCACGTAGCCAGCCTGGCCGCGATCAGCTCGAAGAGCTACCATAGATTGCGGACCGCCGTGTTG
 GCGCGGAACAACACCTGAAGTTTTGACCTACGGCACCTGCCAGAACTGCGAAGGCACCGGATCCGAGCA
 CGAGGAGCCTCCCATCATGCCCCACATGCCATGGGTCCGGCTACACACAGAAGGTGGTGCGCACACTG
 CTCGGCCAGATGATGACCTCGGTGCCCTGCGAAACCTGCCAAGGTCACGGCAACATCTTCCAACACCCCT
 GCACCCAATGTCAGGGAAGCGGTCGTGTGCGCACCGAGCGTGACGTAGTGATCCCTGTGCCGGGTGGCGT
 GCAGAACGATTCGCGCTTCGCGTGCCGGGTGAGGAGAACTGGCGAATGCAACGGGCAGCCCGCGCAT
 CTCTACGTGGACATCACGGTGCGCAAGGACGAAAGGTTTACGCGGCAGGGTGATGACCTACACTGCTGGA
 TTCGCGTTCCTATGACATGGGCCGTGCTGGGGCATGCAATGGAGATCGATTATTGACGGCAAGCAGCA
 ACTCGACATCCCCGCGGGGACGCAGCCGGAACAGACCGTGGAGATCAAAAACCTGGGCATGACAAAGCTC
 AACGATAAGGATCAACGTGGCAATCTGATTGTGCACATCAACGTGCAGATTCCACGAAGCTCAGCGACT

CCGAGCGCAGTCTCATGGAGCAGTTCGCCAACAGCAGAAGGACGAAAAACCGGTGCGGCAGTCCTCGCA
 GCCCGCAACGCCGAGAAGAGGGGCTTCTTCAGCAAGATCAAAGACGCCTTAGGCTGAAATCACTTAGCA
 TCTGGCGACGCAACTGATTTATGTGATCTATGCGAGGGGTGCGTGCACATCCAAGTGGATGTCGACCG
 ACCCTCGCATAGATCACATTCAGTCCGCCGACAGCTATTCACCGCAGCAGCGAACGACACATCTGCCG
 ATACTCGCTCACATAACCGCCGCCGAAGAACACGAGTGGCCCGCAATGGGGTAGAGCTGCCATATCGTG
 ATGCGCTCCTGCCAACCCGCCTTCAGCGGATGCACCGACATGTAGCCATCGGTGATCTCCGTGAGATAAC
 TCATGCCGAACAGATGGAGCATGGCGAGATCCTCCTCCGGTGTCCGCCATGGGCCGCCGGATCAATGAG
 CACGGCTGCGTCTCGCCGGTGTCTGCCGTCCACATCACATTGCCGTCCACAAGTCGCCATGCACACGA
 GCGGGTCTATCTTCGCCGGCCCTGCCGAGCAGTTCGGAAGCGCATCGATGACCTCGTTGGTGAGATCCA
 TGTCGGCATCACGCAACGACCCGCGTTCGATTCCCCTGAAACATCGGACGCAGACGGCCTTCGGCCAA
 ATATGTTGCCGGATCACGCCACTACCGGTGTCCATTGGCACAGGATCCTGCAGGGGTCCGAAATAACAG
 GTGCCGTGATATCCCTTCGGAGCCGATCCAAAATACGGCGCGCCCGCATCATGCATATGCGCAAGTGGCG
 CACCGAATTCGAAGGCTGCTTTCCAGTCGGCATCGCGGGGGTCAACCGCTCGATGTCAAGGTAATCGTC
 ACCCCAGCCATACACCTTCACACACGCGGGGCCACCCTGCGCTGCGCCTCGCCAAGCCACTCGAGACCC
 TTGCCCTCGCATTCGAAGAAGCCCCGTGGCGCATTCCTGCGACTCTTACGGTATTCTGCACCCATCTCAG
 TCCTTTGCGCTGTATATCCGGTGTTCATTGTACGCAATTCGATGTCGCGAAACGGCACGGAATGCCGCT
 CGATGACCTGTGCGACTATCGCCTCCTTCGGTGGAAAGAGGAAGGGCACACGGTACAGTGAAACTGCAATA
 ACCATGAAATCATTCGTAAAGAGGATTTATGAATTTCTTCAGGCCATATTCCTCGGACTGGTGCAGGCA
 CTCACCGAATACCTGCCGGTATCCTCCAGCGCCCATGTCCGCATCGTCGGCGATCTCATGCTCGGCGGAG
 ACCCAGGTGCCGCGTTCACCGCCATCATCCAGATCGGAACCGAATTGGCAGTGCTGCTGTATTTCCGCCG
 CGACATCTGGAACATCCTGAAGTCTGGTGCCTATGCCTCGCCGGCAAGGAGGGGAAGGACAGGGCCTCT
 CGTTTCGGAGCGCATAACAAGGACGCTCGTCTGGGCTGGTACATCATCATCGCCACCATTCCGATTCTCA
 TCGCGGGCGTACTGTTCCAGCATGCCATTGAGACGACGCTGCGCAATCTATGGATCACGGTGGCCATGCT
 GTTCATATTCGGCGTGATCCTGTGGATTGTGACGACCGCGCCCGCCAGGTCAAGACACTCGACGACATG
 AACACGAAGGATGCGATCTGGTTTGGCATCGGCCAGATGCTCGCGCTTATTCGGGGCGTATCACGCTCCG
 GTGGCACCATCACCTTCGGACGAGCAATGGGGTACAAACGCGAGGCGGCAGTGCGCGCCGCATTCTCAT
 GGCCATCCCCGCGTGTTCGGCGCAGGCATTCTCGAAGCTGTCAAGGCGATCAAAGACGTCAATGCCGAC
 GCGATGTTCCAGGATGGGGCGCCACCATCGCCGCCACCGTCGTGGCGTTTGTGGTTCGGTTACATCGTGA
 TCATCGGATTCTCAAATTCGTATCCACCTATTCTACAAGGCCTTTGCCATCTATCGCATCGCCCTGGC
 CATCATCGTGGCTATCTTGCTGTTGTGCGGCGTGCTCTCGCCGCTGGAGGGCATTCCGGTCTCCGGTAAT
 GCCTGATATGCTCGCTTGATATGAGAATACCTCCCGATTCCGGAGGTATTCTCATATCCAAGGCAGG
 AGGCCTATGGCGCTAGGGAGAACTGGCTCTCAATCCTGATCCCGTAGGAATGCCTCGGCCTCTGCACCA
 GCTGCTCAGCCATCGGCGTCCCCGCCGACGAAAGTTCTTGGCATGCTGATGCAGATCGTAATCACGTTT
 CAGCTGACTACGAAATGCTCGAAATCAACGTTGTTACGCACGGTGACATCGCACCGGGAACGCCATTGT
 TTCGCTTTGTTCTCTATGGTGCCCGCCGGAAGATCGAGCCCCAAGATCTCGCCGAGCTCCCGCAACAGTG
 TCAGGGTTGCCTGTGGGCATGGATCAGCGGACCGAGATAGCGGGGGATGGAAACCCACAGGGATGTGGT
 GTTGAATCCCTGTTTCGATGGCCATCATGTCAAGCGCATGCGTGATTCCGATGGGCCCATTGTATTATAA
 TCAGGATCCAGCGGCTTGCCGTTGTTTCGAGATATCTATGGGCAACGGGCGCGTGTGTGGCACTCCGCCA
 GCATGGATCCCAGCGTGACGATGCATTGACGTCATACTGTTGGCGAAACGAGGCTACCGCGGCAGTA
 TTCAAGCCACTGGTAGTTCGGCTCCGGCCCCAATTGCGCAAGAATATGAAGCGAGTCGCTCACTGCGATG
 TCATAGAAAACGGTCTGCGGCCATAGGATGCAACGTGAACCCTGAATGGTGCACTGCATTGGACGGGCGG
 ATTGGTAATCGTAGTATCCGTCTTTGTTGATGTGGCCAATCTCCAAAGACCTATAACGGGAGACCAGATG
 CCGAATCACATCGGTGGCACTCTGGCATGCGTCATTCCAGCCATCGAAGGCCGCGACCATGACGTATTTG
 ACTCTGGTTCCTCGCTCATTCATGGACACCACTGTATCCCTTGAAAAGCTGCATTTTGTGAAGGTAATCC
 CACAGTGAAGCAATGTGGAGGAACCGTGAGCAAAACGCGCGGTCACTGTTGTGTATCTCTACTGCAAT
 CCTATACGGAGAGATGATCCAACGATTACGACACGCCGAACCTTGCAAACTTCCAGGAGTTTCATATAGTA
 GTGACTCGTGCTCAGGCAGAGGAAACAACGCCAGAAACACATGCGGACATAGCTTAGTTGGTAAAGCGCG

ACCTTGCCAAGGTCGAGACCGGGGTTGAGTCCCCTGTCCGCTCTAAGGTCCGATGAGTTTAACGAAC
 CTTACGGTGGGTTAGCCAAGCGGTTAGGCAGCGGCCTGCAAAGCCGTATAGACGAGTTCGACTCTCGTAC
 CCACCTCGACGGCATCGAAAGATGCCCGGGACCAACCGGGCGGTTGGCGCAGAGGTAGCGCACTTCCCTG
 ACACGGAAGGGGTCACAAGTTCGAATCTTGATCGCCACGATCCGAGCCATCGGATACAATAACTGAAT
 ACGGGTGATTGGCGCAGCGGCTAGCGCACTTCTTCACACGGAAGGGGTCTAGGTTTCGATTCTACATC
 ACCACCTGAGGCCTCGTGGACTGTTGTCCACGAGGCTTTTTGTTTCGGCTTGTCGTTGGCATCAGGGT
 CGACATGCCGGGCGTATAGAACTAAGCGTGTGTGCGCCTGGGGCGGCAGCTGAGACGCATGAATAAATA
 TCGGTCGGCCCTGGCAAGGATTGGGTCTCATGGCTTAATCAAGACAACGACGACGGAGTCCAAGAATACT
 AGACCGTCCCCAATACCGAGAAGGGGAATGAAACGCCAGAGACAGAATACGACTTATAAACCCTATTCT
 AGGCACTGCTCATTGTATCGGGCACGGGTGCAACTGTATATTAAGTGGCTGGGTAGGGGTGCTTCTCATT
 CCCGGTTGTATCGCTAGCCGAGGAATGATGCAACAATATCCATCACGCATGAGGAAGCGTATGCCATTGC
 GATGGTGCTTGGCCTCGTATGCAGACCATGGCAGGGGGAATGTGCATGACAGCGCTTTTCATCAGTGCAA
 TGGCCTTTTGGACTGCGGTGATTACCGCAGTCATAGTGTGTGCAGGCATCTGCATAATGTACGGCGGCA
 ACCAGATGGGCAGGCGAAAGAGGGGCGCACCTGATATGAGGGACGAAGGGAAGAGTCATGAATGAACGGCA
 AGCAAACAGAGCTTTCGCGTTGGCTCGCAAGATATGGCAGGCCACCTCGAGGCCGGTTTACCGACTCGGT
 CGGCACCTTCGTAGTTTTTATTGGTGACGGCCGTATGACGTTTCATCTATCTGATTGCCGAGGCGCCC
 TGGTATGGGGTGAGCGCAGGTGGGTGATACCGTGTTCCTGATCCTCATGCTGATCATATACGCGGTCTG
 CTCCGAAACGTATGGGTACCTCACAAGCAGGAACAGGCTCGTTCGCGTCCGGTGACCTCAGAGGGCTG
 CTCTCCAGAGCGTTTTTATTCTGCTCTGCTATGCGACCCATTTCATACTGATCATGGCGTATACCTGAT
 TGCACCATGAATACGAAGCACACAATACGCCCATCGAAAGGAAATAATGGTCTGGATCATCGCGGCAATC
 GTATCCTCGCGATATCCGTGTATTTGCGCAATGAGTACCGCCTAGACCGCAAGGCGCACCGCTTGCGCG
 ACGGATCGGAGGAAGACAGGCGTCTCGCCTCCGAATTGCAGGACATTGCCCGCAACATGGATGAAGGGAA
 ATACCTCTATCGATGACCGTGCCACACCAGCGGGCATCGGGGAACAGGGCGAAAGATGTGATCAGCAAGC
 GGTCAATGCATGTTTCATAATCAGGTCGGTCTGCGCATCCGATCCAAGCACGAAAGTATGTGCACCGGTT
 TCGACGAATCCCATTTCTACGATAGAACGCTTGCGCGGTTGTTATGCTCCCATACGCCGAGCCACAGCG
 TTTGCTTGCCATGTGCCGACGCGAACTGCTCTGCCGTACGCATGAACCTGGTTCCCAAACCGTGACGTTT
 GAAATCCGCAAGCACGTAGAGTCTCTGGACTTCGGCATGGTCTGCGGCATACGCTCCGTTTGCGCCGTG
 CCGAGATTGACCTTCATATACCCTGCCGGCACACCATCCACCGTTGCGACGAAAAACGTCTGCAGCGGGT
 CTGCCAGCTCCTTGCCCAACACCTCGGGGGAGAGCCCATGGGCGATATAGTCGCGCATATCCTCTTCGGT
 ATTGGTACCGGCGAACGTCTGCCTGAAGGTGGCGATGCTCAGATCGCGTATTGTCTGCAGCTGCGTGTTT
 TCGGCAATGGAAATCTCACTCATGTTTCAGTTCTTTCCACCGGTGTCGTGCGCTATCTGAACATACCGA
 CACGCCGAAGTTGCGCAATCGGAAAATTATAGTAAATTAATAACTCGTGCTTCAAGCACATGCGGACATA
 GCTTAGTTGGTAAAGCGCGACCTTGCCAAGGTGAGACCGCGGGTTCGAGTCCCGTTGTCCGCTCTCTTC
 TATTTTCAAGCACATTCTCCCATGCGCAAGAGAATGCTCAACGGAGGTCCGGCAAGCACTTGCGCATCTG
 GACACAGTGAGTAACCCAGCAAACCAGACGCGTTACGCGTGCTGCCGTGTCCACTGTGCACAGTGATTCC
 CATTGCGATTGAGTCTTACTCGCTGTTTACACATATGCAGTACGCCATATCGGCAAGGAGCTGACATG
 GTAGGCAATCTGGTGCTTACGACATCTCATATCAATACACAGATTCCAGCGAACCGTGTTTCGATCATT
 TCAACGCGTCATTGTACACGCGTTGGACCGCGTTGCTCGCAGACAACGGTCTCGGCAAGACCAGCTCGC
 GCAACTGATCTGCGGACGGCGCACACCTACGCGGGGCGAAGTACAGCCGAGTCCGCGGACGCTCATCTGC
 GCGTACTGCAAACAGGAATGCGTTTCGGAACCTGAGGGACTCGCAGAGTTCGCGATGACTGGTTCGCCG
 AATCCATTGCCTTGCGGACGCACTCGGCATCGGCGACGATTGGGGTTACCGGTATGACCCCTCAGTGG
 CGGCGAGCGCAAACGTCTGCAGATCGCCTGTGCGCTATACTCCCGTCCCGATGTACTGGTACTCGACGAG
 CCCACGAATCATGTCGATGAGCATACACGCGGGATCGTGGTGAGTCACGAGCGTTGGTTCTCGACGAAG
 TCTGCGGAAAACAGTGAATGGGTCTGGATACCGACCGGGAAGGCAATCCGCCTCGAGCAGATGACGGCAC
 GTCCGAATCGCGCTGCCATCTGCTCACATTGGTTCGCCGAAGCCTGTCAGGTGTGAGACAGGGGAGCCAC
 TTTGTCTGAACTGAACCTAAGTTTTATGTCGTAACACTACATAGTCCAGGTCTGCACCTGTACCGCGG
 ACCCAGATAGCAAAGGACACCTCATGGCAGAAGCACACATCTCCATCACAGTCAACGGCGAGGCGAAGGA

GGTGGAAGCAAGCCAGACCGGCGTCGAACTGTTTCGACAGACGACAAGAACATCATCGCAGTGCGTCTCAAT
 GGCGAGTTGCGAGACCTCTACACGCCTCTGCACGATGGCGACAACGTCGAATCCGTGACCCCTGACTCGC
 CGGATGGCACAGGCATCATGCGCCATTGCGCCACCCATGTCTGACAGGCGCGTGCAGGAGGTACGCCC
 GGATGCCAAGCTCGGCATTGGCCCGGTGATCGAGAACGGTTTCTACTACGACTTCGACGTGAAGGATCCA
 TTCACGCCGGATGACCTGAAGACCATCGAAAAGCACATGCAACGCATCATCAAGTCGGCGCAGCGCTTCC
 AGCGCCGAGTGGTGAGCGAAGAGGAGGCCCTGCGCGAAGAGGCTGATGAGCCGTACAAGATCGAGCTCAT
 CAAAGACAAGGAAGATGCGCTCGAGACCGAGGCGGCCGTAGACATCAGCCATAAGGAGCTGAGTATGTAC
 GACAATCTCGACCGTGAGGGCAATGTGGTGTGGTCGGATCTCTGCCGTGGACCGCACCTGCCGAACACCC
 GCTATATCAAGGCATTCAAGCTGGAGCGCGCCGCCGCCGCGTATTGGAAGGGTTCGGAGGCGAACCCCAT
 GCTCCAGCGCATCTACGGCGTGGCGTTCCTCCACCAAGGACGAGCTCAAGGCCTACCAGACCCGCATGGAG
 GAGGCCGCCAAACCGCGACCAACCGCAAACCTCGGTGAGGAAATGGACCTGTTCTCGTTCCTTGACGAGATCG
 GCGCGGTCTTGCCGTGTTCCATCCAAAGGGCGCCGCGATTATCAACGCGATGGAGGACTACTCCCGCGA
 GATGCACCGCAAGAATCACTACAGCTTCGTGCAGACTCCGCACATCACCAGGGCGGCCCTGTATGAGACG
 TCCGGACACCTGCAGTGGTACAAGGACGGCATGTATCCGCCGATGCATCTGGATGAGGAAAAGGACGAGA
 ACGGCAACATCGTCAAGCAGGGCTTCGACTATTACCTCAAGCCGATGAACTGCCCGATGCACAACCTCAT
 CTTCAGTACCGCCAGCGTTCCTACCGAGAAGTCCCGTTGCGCCTCTTCGAGTTCGGCACCGTCTACCGC
 TACGAGAAGTCCGGCGTGGTTCACGGACTGACCCGCGTGCGCGGTCTGACTCAGGATGATTCCCACATCT
 ACTGCACCCGTGAGCAGATGAAGGACGAGCTCAAGAACCTGCTCAACTTCGTGCTCAAAGTGCTCAAGGA
 CTATGGTCTCAACGATTCTACTTGGAGCTTTCACGAAGGACGAGCACAAGTTCGTGCGCTCCGACGAG
 ATCTGGGAGGAGGCGACCAACACCCCTCGCCGAGGTGGCCGAGGAATCCGGTCTCGAACTCGTGGCGGATC
 CGGGTGGCGCCGATTCTATGGTCCGAAGATCTCGGTGCAGGCCCGCGACGCAATCGGACGCACTTGGCA
 GGTCTCCACGATTACGCTCGACTTCAATCTGCCGGAGCGTTTCCAGTTGGAGTACATCGCTCCGGATGGA
 TCGCACACGCGCCCCGTAATGATCCATCGTGCGTGTTCGTTCCATCGAGCGTTTCTTCGCGATTCTGC
 TCGAGCACTATGCCGGCGCCTTCCCGGCGTGGCTGGCTCCCGTGCAGGCTCTCGGTGTGCCGGTGGCGGA
 CGAATTCGCCCCGCATCTCGACAAGTTCATGAATTGCTCGAAGAGGACCTTGTGCGCGTCGAGACCGAC
 AATCCGATGATCGTTTCGGCAAGAAGATCCGCAACGCCTCCAAATCGAAAGTGCCGTACATCATCATCG
 CCGGCGAGGAGGATATGAACAACAACGCCGTGAGCTTCCGTTCCGTGACGGCAGCCAACCTCAACGGCGT
 GCCGGTGCACCAAGCCAAGGCGTGGATTCTGGAGACGATCACCAGCGTGTGCAGGTCAACAGCGTCGAC
 GACTTCAAGGCAGCCACCGGGCAGCCTGTGGAGAATGTGAGTTCGGCGTCGAGACACCGACGCCGAGT
 AAAACAGGACGCACTGCGAATATCACGGCATTACGACCCGGTGGGGTCAGGCGCATTCCAGCGCCGGCCC
 CACCGGTGTTTTTCAAAGCCATTGCAAGCAATATCTGCGCTGTTGTCTATTCTCATAGTGTCTTCTACT
 CATTGACCCCAAGGACACAACATGCTGGAAGGCTTCGACCATGGTTCAAGCGGCTCATCGCGCCGATCGC
 ACGCGCATTGACGCGAATGGGCATCACCGCGAACGCGGTGACTGTATCGGGGCGGTGGCGACCAACCAT
 GTCGGCATCGCATCCGGAATCACCGGATGGATGTTCTGGGGAGCTTTGGTACTCACCATTCTGGTGGTGT
 TCGATTGCTTGACGTTCTGTGGCCGCAATCACCAAGGAGGCACGAAATTCGGGGCATTCTCTGACTC
 CAACTCGACCGTATAGCCGACTGGGCGGTGCTGCTCGGCTGCATCATCTATTCTTTGTGCGCAATTCC
 ACCTTCACTGCAGCACACGCCGGGCAACGCTACGACTGGATTGCGTGAGCGGCATGGCGTTGGCAATCT
 ATTGCGTCATGACCTCGTTCGTACCTCATATGCAGTGCACGAGCACAGTCAGTCGGCTACGAGGCGAA
 AAACGGCGTAGCGACACGGTCCGACCGCTGACGATCATCTGGTCCGGCATGGCCATATGCGGCCTGGCC
 AACAATCCGCTCTGGCTCATGATCGACATGGCCGTGCTCGCATTGCTCGGCACGATCACCGTGTCCAGC
 GCATCCGCGAGGTCTATGTGAGCATGCGAGCCAACGGCGACGCCGGCGTCTCCAAGCAGTGACGGCACGC
 AGCCGTGCGCTGTACGACCGGGCTCATAGGCAGAGTGTGAAAGGCGAATTGTGATGTTTCGACAGATTGAT
 GGCATGGCTCGACGCCACCCGAACGCGCTGCCCAGCGTATGGTTTCGAGGGGGGTTCTTGTGCTGCCGCG
 GATGTGACGTGGGCATTGCACATCGGTTCCGTAAGGCAGCTGGAGCGCAATCTAGCCCATGTGCTCTCT
 GCGGTGACGGAACGGATCCCGATAGAAGGACGTTGCGCAAACCTCTCTCGCAAGGGCATGCGTTCTGATTT
 CACCTATTTCTCCGAGGCAATGACCGTTGGCGCGCGATCCAAGGAGCAATTGCTTGCAGCGGATCCATGGT
 TCAGGGGACGGATTTCGAGGCGATCAAACATCAGGCGGGTTCGGAGGGGACAGGCTCCGCTCCGATCGCCA

TGGGACATCAGGGCAATTGGGACTACGACGGGTTCTGGGCGCAATTCGATGTGGCACCGGTGACCACGGT
 GGCGGAGAACTGGCCAACAGGGAGATGCTCGACGCGTTCGTGTCCATACGCGAACATCTGGGCATGACC
 ATCTTCCTGACAGGCACGCCGAAGCTCACCGAACGTCTTGAGGAGGCACTGCGGACTCCGCATACGCTCG
 TTCCGTTGCTCGCGGACCGGGATCTGAGCCGCCATGGCGAATTCGTGAACGCATTCGGATCGTTCATCCG
 AGTGGCCAGGGGACCGGCCGAATAGCATTTCGACACCGGAACGCCACTGTTCTGCTCAACACCTACCGC
 GAAAACTCAGCGGGGAACGACGCCGCTTGGCGCGCACACCATACGGATACGTATGTGAAGTGAGTGGGC
 CGATCGATGTGGAGCGATACCGTTCCATGCCTCGTGAGGAGGCAATCCGCTGCATCTGCCAGGATTGGGT
 GGACATCTGGGCAAGAGGCATCGCCGCACACCTGAGGATTGGCACATGCTCCAACCGATATTCTGGAG
 GATCTGGATATGGAGCGTCTCAAAGACGTCCCCGAGGAGTTGCGAGCACAAGCAACGATGTCACGGTGAA
 AGTCCAGCGAGTCGAGCAAGATGCCAATATGCCATCGTTTGACAGGAATACGCCGCTTTGCATACGAAG
 AGCGGAACGGCAGGACAACAGAACGCACTACGTGTAGGCATCATCTGCCATACTCGTTCGAGACGCCGG
 GCGGTGTGAGAACCATATTGCGGATTTGCCCCGCCAACTGCGTCGGCGCGGGCACGAGGTCCAAGTGT
 CGCACCAGGCAGGAGAACC GCGGACATGCCCAATATGTCCATACGAACAACTCCTCGTTGCCATCCCG
 TACAACGGATCGTGGGCGCATCTGAGCTATTTCTCAACGCCGCCATACCACCAGAAAATGGGTGCGTG
 ACGGCGGTTTTGACATTCTGCATCTGCATGAACCCGAAACCCCTTCACTGAGCCACAAGCCTCTCGTCAT
 GCATGATGCGCCGCCCATGGTGGCCACATTCCATGCCTCGATCGAACCATATCCACGCGCGCTCAGATTG
 TTCACCCGCTACCTGCGCAAATACCTTTGCGCGCTGAGGGAAGCGATCTTCGTCTCCGAGTCCGCACAAA
 AGACCGCCGAACACTATCTGCCACAGCAAGTGGGGGTCCAGACCATCCCCAATGGCATCGAATGCGATTT
 CTACCGACGCGCGGAGCCGAACCCACAATGGCAGGGCAGTCCAGAGGCGCCGACCATCGGATTCTGGGC
 CGTATGGGTGAGGAGCGCAAAGGATTACGGTGTTCGCTCAGGCCGCGAAGATTGTGCATGAGGCATTCC
 CGAGCGCACGGTTCCTTGTCGAGGCGACGGACAGGAGGACGGCGGAAAAACACTCGACGCCATTGGCGC
 CGACAAGGGGCTGCGGGAACGCTTCGAATTCCTGGGACGTGTAAGCGATGCGGACAAAGCCAGGTTCTAT
 CGCTCGTTGAGCATGTACGTGGCCCCGAAACCGGCGGCGAGAGCTTCGGCATCGTGTGGCTGAGGCGA
 TGGCCGCGGGCTGCCCCGTATCGCCTCCGACCTCGATGCGTTAGGGCCGTACCGAGGAGGGGAGCAG
 TGCAGCATTGTTCTGTAATCGCGATGCGAATGATTGCGCACGCCGCATGACCGAGCTCATCGAGGATCCG
 GCGCGCCGCCAATCCCTGTACAGGCCGGTTCATACGCTCCAGGAGCTTCGACTGGAATACCGTGGTGC
 ATGAGGTAATCGAGGTGTATGCGAAGGCGTTGTATAGAAACGCTGTAAAATCAACACGTTCTAAGAATC
 CGCAATCTTTGTAGGAGCAATATGTAGGCCATTCCAAATGGGCGACCACCAAGCACAAGAAGGCCGCCA
 TCGACGCCAAGCGCGGCAAGCTGTTGCGCAAGCTCATCAAGAACATCGAGATCGCTGCCCGTCAGGGCGG
 TGCGGACCCCGATGGCAACCCGGCGCTCTATGACGCGATCTACAAGGCCAAGAAGGCCTCCATGCCCGCT
 GACAACATCAAGCGTGAGTGCCTCGGATCGGGTGCCGAAGCCGGCGGCGCCAATATGAGGAGATCA
 TCTACGAAGGCTATGCACCGGCAGGCGTGGCCTGATCATCGAATGCCTGACCGACAATCGCAATCGCGC
 TGCGGCCGACGTCCGCTCCACCCTCGGCAAGGGAGGTGGCTCGCTGGCCACCAATGGTGCCGTGAGCTTC
 AACTTCGAGCGCAAGGGTGAGATCGTCTGCGCTCCGAGGGGCTTGATTCGACGATCTGTTTCGAGAAGG
 CCGCAGAAGCAGGCGCTGAGGATGTGATCGACGATGGCGACACCTACACGGTCGTCACCGCTCCTTCGGA
 TCTGATCACAGTGCCTCAGGCCCTGAGGATGCCGGCGTGCATTACGACTCCGCGGATCTGGTCATGCGC
 CCGAAGAACGAGATCGAGCTTGCCCTGACGACGCGCGCAAGGTGTGCAAGCTCATCGACAACCTCGACG
 ATCTCGATGACGTGAGAACATCTACAGCAACTGGACCGCTGACGACGTGCTCGCCAGCTGGACGA
 GGAGTAGTCATCCGTGATCGTTCTCGGCGTTGACCCCGGGCTCACACGCTGCGGGGTCGGCGTGATCGAA
 GCCGGCGCATACCGCCGGCTTTCTGTTTATTCACGTGATGTGGTGCGAAGTGATCCGCACGAATCGCAGG
 ATCTGAGATTGCTCAAGATCTACGACGGCCTGTGTGCGAAGATGGACGAATTCATTCCCGACACCGTTTC
 AATCGAGCGTGTGTTGCCCCAAGAGAACC GAAACACCGTGCTCGGTACGGCGCAAGCGGCCGCGCATGGCC
 ATGCTGGCCGCCGCCAGCGCGGTATTCCGGTGGCGCTTCACACGCCGACCGAATCGAAAAATGGCGATCA
 CCGGCAACGGCAAGGCGGAGAAGATCCAGATGGAGCGCATGGTGGCTCGGATTCTCAATCTCAACGCATT
 GCCACACCCGCGGATGCCGAGACGCCTTGCCATCGCCATATGCCATGCACTGCGCCCATCCGGTGCA
 CTTGAAGGCGGCGAACGCGAGCAACATCTACCCCCGGCGCAACGCCAATGGGCACAGGCCACGCAGCATG
 CCACCCGTAGAAGGGGAGTCCGCAGAGGCATGTAACTACCGAACATATGTTCAATTCGGCAGGAGGAC

TAATGATCGGAATGCTCAAGGGCCGGGTCGAGTCGGTGGACACTTCCAATGCGGTGGTGGACGTCCATGG
 GGTGGATTGGAATTGCGTATGCCTTCCAACGATCTCACCGCCATGCATATGGGCCAGGACGTCAAATA
 TACACATCCATGAGCGTCTCGCAGGACGCCATCACGCTGTTCCGATTCTCGACGCCAGATCGAAACGCA
 TGTTCTCCAGCTGCAGAAGGTGAGTGGCGTCGGACCGAAGGTGGCGCTTTCGCTTCTGAGCACGCTGGC
 CCCCAGCAGCTTGACACAGGCAATCCACGACGGTGACGACAAGGCCTTGTCACGCGCCCCCGGTCTGGGC
 CGGAAAGGTGCCCAGAAAATCATCCTGGAGCTCAAGGGCTCGATTGACGTCGACAAAATCGAAACAGGGG
 AGCCAACTTCCACGCAACGCATCCCAACCGACAAGGGGGTCGAACAGGTGGTTGAGGGTCTCATGTCGCT
 GGGCTGGAAGCAGGCGGATGCACAGCAGGCTGTGGATTTCGGTCATTTCTCCAGTGGCATCGCGTTGCCA
 CTGGAGGAAGGCAATGTGCCGACTGTGCTCAGACTGGCATTGACATCACTGGACAGAGGGAGGTAATTCG
 TGGCAATCGCGAATGAGGCAATGGAGTATTCCGGAGCCGACAACCTCGATGCCCCGGGATGAATCGTT
 GCGCATGGTGTGCGCCGTGCCGGTCGGCAATGAACCGGTGAGCGACGAGGAGCTGCGTCCTCATGTGTTG
 GAGGGCTTCATAGGGCAACCCAGACTGAAGGCCAGCTGCAGCTTTTCTTGATGCTGCCCCGAAACGTG
 ATGTGGCTCCTGATCACATCCTCATGGCGGGTCTCCCGCTTGGGCAAGACCACATTGGCCATGATTGT
 GGCCAATGAGCTTGGGGTGCCATCCGGGTACGTCGGGACCGGCGATTCAACATGCTGGAGATCTGGCT
 TCGATTCTCAGTTGCTGGATGTGGGCGAAGTGTGTTTCATCGATGAGATTACCGACTTCCACGCGCCG
 CGGAGGAAGTGTGTATATAGCCATGGAGGATTTCCGCGTGGATGTGATGGTGGGCAAGGGGCTGGTGC
 CTCTTCTATTCCACTGACGCTGCCTCGGTTACCGTCATCGGAGCCACCACTCGCGAAGGCATGCTCCCC
 TCACCGCTGCGCGCCCGATTTCGGCTTACCGCGCATCTGGATTCTACCTCACGAGGAACTGGAAAAAC
 TCATCGAACGCTCTGCCTCCGTGCTTGGCCTCCATTGGAGGATCAGGCTGCGCGACAGTTGTCGCTGCG
 CTCACGCGGCACACCAGTATTGCGAACCGTTTGCTTCGGCGAGTGCGCGACTGGGCTATCGTGCACGAT
 CTCGACAGCGTGGGGGCGGACGATGTCAAAGACGCACTGGCTCTCTACCAAATCGATTCCGAAGGACTGG
 ACCGCCTGGACATCGCCGTGCTCAATGCAATTGTCCGGCAGTTCAACGGTGGCCCCGGTGGGTCTCAACAA
 CCTATCCGCCATGGTGGGGGAGGAGGCCGAGACAGTGGAGACTGTATGCGAACCGTATCTGGTACGTGAA
 GGCTTCTGATTGCGACCCCCGAAAGGCCGTCTCGCCACCGCCAAGGCATGGGAGCATTTGGGTCTCAAC
 CCGACGACGGTACCCCGATGATGTCAGCAAGCTATTCTAAGCTTAGGATTTCTGGGGCTATTGCCCTT
 CTCATGTTTTTAAGGAGTCCACTCATGGAATATATGATGCTCATCGTTCTCATCGTCCTCATGGGCGTTA
 TGATGTTCTACTCTTCCCGGAAGGCCAAGAAGCAGCAGCAGGAGCGTCAGGCGTTCCGCGACGAGCCTCGC
 TCCGGGCACTGAGGTCATCACCATCGGAGGCCTGATCGGCAAGGTCGTGGAAGTGACGAGCAGTACGAA
 GAAATCGTGCTCGACTCCGAAGGATCGCTGCTGCGCTTACGCTGCAGTCGGTCAGCCGGGCTATGTTT
 GTCCGGCCTATGTGAGCGACGACGACGTCGACGAGAACGGTAATCCACTGCCGAAGGACGAACCGGCGCA
 GATTACCTCGAACGAACCGGAATCCGACGGTTCGAGACCGTCGTGGAGGAAACCTCCGTGGTTGAGACC
 CCGGAGGACGCGGATTCTCACCGTTTCAAACACAGTCCAAGTAACTGCCAATACCACCGCCAACCCGC
 CGATCAACGAAGGTGAACATGTCACAGACCGACATTCATGTGGCCAATGCTGCCAGCATGTCGCAAGACG
 ATGCCCCGTACCTCATCTCACTCATTGCGACCGTTCCGGATTTCCCCCGGAAGGCATCCTGTTCCGCGA
 TTTCATGCCAGTATTGCGCGACTCCCAGGGCTTCGTATTCTCCTCGACGCGCTCATCGCCGCTTTACCG
 GTGCACACAGACGAATTCGATGCGGTGCGAGGCCTTGAAGCACGTGGGTTCTGTTCCGACCTGCCCTTG
 CCGCACAACCTCGGCAAGGGATTATTGCCATTGCAAGGCCGGGAAGCTGCCTCCACCGGTGCATGCATG
 CAGCTATGCACTCGAATACGGCAAAGCCACCTTGGAGATCGAAGACACCAGTGTCGAAACAATGAACGT
 ATACTATTGTGATGACCTGATCGCCACCGGCGGTTCCGGCTGCGGCGGCGAAGGACCTCATCGAATCGG
 CTGGAGGCAAGGTCGACGGCTACGAATTCGTATGGAATTGGAGGGCCTTGACGAGCGGACGGCGCTCGG
 CGACTATCCATACGGCTCGTTGTTGAAGATGCCCGCTTAGGAAACAGTGGAGTAGAGGAATATGGATCTT
 TACGAATATCAGGCACGTCAGCTGCTCGAAGAGCAGGACATCGATGTGCCGAAGGCGGTGTTTCGACAGA
 ATTACATGAGGTGGCCGAAGCCGCCGACATCATCGGATATCCGGTCGTGATCAAGGCACAGGTGAAGAT
 CGGACATCGCGGGCAGGCGAGGCGGTGTGCGCATTGCACATGACCGTGACGAGGCGATACTCATCTCCGAG
 GATATCTTCCGATGACCATCCATGGTCATAAGGTGAGTGGCATCCTGGTGACCGAAGCCAAGAACATCC
 TCCACGAATACTATGTGTCCATCTCGGTTGATCGCTCCTCGCGCGACTTCGACGTCCTGGCCACGGCCAA
 CGGCGGCACTGAAGTCGAAGAAGTCGCACGCAAGCATCCGGAATCTGTGAAACGGCTGCATATAAGCGCT

CTTGAGGACTTCGACCTCGAAGCAGCAACAAAAATGGCCGAGAGCATCGGCTTCTACCACGCGGATTGAG
 CTCAGGCGGGCGCAGATCCTGCTCAACATGTGGCGCTGCTTCAAGCAGAACGATGCCACCCTCGTGAGAT
 CAACCCATTGGCCAAAGTCGGCGACCCGGACGACGAATCTTGAAGTCGTTGTGCGCATTGGATGCGAAA
 ATCTCACTCGACGACAACGCAGCCTTCCGTACGATGGATGGAAGCGCTTTGCCGACCCGATCGTCCCGG
 ATCCGTTTGAACAGCGTGCCCGTGAACACAATCTGCATTACGTGCATCTACCGGGCGAGGTCGGTGTCAT
 CGGCAACGGGGCGGGCTTGGTGATGAGCTCCCTCGACGCCGTGCGATTGCGGGGCGAGGAACAGGGCACC
 GGTGTGAAGGCCGCGAACTTCCTCGACATCGGCGGGGGAGCCTCCTCGCAGGTCATGTGCGAAAGCCTTG
 AGATCATTCTCTCCGACCCCCAGGTGGAATCCGTGTTTCATCAATGTGTATGGAGGCATCACCTCCTGTGA
 ACAGGTAGCTCTCGGCATTCTCGAGGCGGCGGATCAGCTCGGCGCATCCAAGCCGATGGTCGTTCCGTTT
 GAGGGGAACAAGGCCGATGAGGGGGCTTCGGATTCTCGCCGAGGCCGATAACCCGAACATCCATGTATGCG
 AGACCATGGGGCAGGCGGCCGCCGAGGCGGGCTCGTCTCGCCGCCCATGGCAAGGAGGAGCGTTAAGTGAA
 CGTGTTTCATCGAAGATGACGCACCCGTCATCGTACAGGGCATCACCGGTCATCAGGGCATGACGCACACC
 GCACGCATGCTCAAGGCCAACACGAATATCGTCGGTGGCGTGAACCCACGCAAGGCCGGCACCACCCTCG
 AATTCGAAGATGGAACGGCGTCCCCGTACGGGTACCGGTGTTTCGCCACTTGCCAGGAGGCAAAAGACAT
 CACCGGTGCCAAGGCATCGGTTGTGTTCTGTTCCCTCGTTTCGCCAAGGACGCCGTTGTCGAAGCCGTC
 GAAGCAGGCTTCGAGGTGGTTGTCGTGATCACCGAGGGCATCCCCGTGGCGGACTCCGCTATTTCGTGG
 AACTCGCTCTCAGCAAAGGCGTGCGCATCGTCGGGCCGAACGTCCGGGCCCTCCTCACCTTGCCGGAATC
 CACCGATACACATGGCGTCAACCTTGGCATCATTCCCGACGGCATCGTCTCGCGTGGCCCGTTGGGATTG
 GTATCCAAATCCGGCACACTCACTTATCAGCTCATGGGCGAACTCTCCGACATCGGTTTACGGCCTGTC
 TCGGCGCTGGCGGTGATCCCATCGTGGAACACGCTGCTCGAGGCGCTCGAAGCCTTTGAAGCCGATCC
 GAACACCAAGGCGGTGATGATCGGCGAGATCGGAGGCAATGCCGAACAGGATGCCGCACAATGGGCC
 GCCAAGAACATGACCAAACCGTTGTTGCCTACATCGCCGATTACCGCCCCGAAGGCAAGCAGATGG
 GGCATGCGGGGGCCATTGTGTCCGGAGGCAAGGGGACTGCTCAGGATAAGCAGGCGGCACTTGAGGCGGC
 CGGCATCCGAGTGGGCAGAACCCCTCCGAGGCTGCGCAGATCATGCGTGAGGTGCTTTCGCGCAGATA
 TGATGAAGCAGATAACGCCCTGGTTGAAAGGTGTGCTCGCACCGGTTCTGGTCATGGTGATCTTCGCCAT
 TCCGGTGGTGTGTTTCATGGCGCTGGCCCTGCTGGTCTTCGCCATGGAAGAGGGCGGCGAGACGATGTCG
 TCGTTCGCTGTCCCACTACCCAGAGTCATTGTGTTACTCAGTCAGGGTATCGGCATGCATGCCGGGGCGA
 TTACCTTGACCATCACGCCTTGTCTGCTGACACTAGCGATGATCCTGCTAATCCGTGCCGTCTACTCCCA
 CTGGAGCACGGATCTGCCAGCCTATCTTGCGGGCGTGGAACCTTGGATTGTGCTCTGCCTATGGTGCAGC
 GGTGAAACACGCATCCAACCTACCGATTCCATTTGGCTCATCGCGCTCAAATGTGCGGTGGTGTTCCTCC
 TGGGCTTCGCGTGGAGAGCGTTGCCCGCTCCGCACTGATGGACAGGGGGCGCCTCTACTGCCGCGAGCA
 CATCTCCCAACAGTGCGTTCCAGCATTATGTGCGGTGTGCGTCTGGCCTTGCGATTGCTGGTGATATTC
 CTTTCCATCGGTTTGATTACCGTGTTCGTTTGGATTGTCTGGATCATTCCAGCATGGTCACCATGTTCA
 AGACAATGCACATGAACACCGGATCGCGCATCCTCATGTGCATCATGGCCTTGGCATGGTTGCCAATAT
 GCGGTTATGGGCATTGTCATGGGTATTCGGCGGCGGATTCCACATTGGGCAGGCCGCTCATATTCGTTG
 TGGTGGGCGCAGATTACGAGTTGCCTTCGCTTCCCATATTGCTTTGTTCCCCATCCTGTGACAATG
 CGGGCATTGCGACCTGTCTGATGCTGATTCCGGTTATGCTGGGATTCGTGTTGCGTTTGCTCATGTTGCT
 GCTCCACCGGGGTTTCCATGTGCGGGGCATTGATCCGAATGAGCCCGTGACGTACGCGATTGCTGTTG
 CGCTTCGCATACCCGGCTGGCGCATTCTGCATCACGGCCCACTGGTCTCCCTGATGAGCAGCTTGGCAT
 TCTGGCTGGCAATGGGTGCTGGGAGTCGGCAGGCTCCGTGATGTCGGGGTTGATGTGATGCGCTCCAC
 AAATGTGGTGGCAAGGCCATGTGCGATTGGTCTGGGAATATCCTGGATCAGCGCGATCGTGATCGTTGCC
 ATCCACTCGCTCATGCTCATGATTGAAACGACGGGCCGCAAACCGCACTTCGTTGCCGTTGGAATCCG
 CGGATTCCCTGATGACGAACGCAAAGAACAACCAACCCCATACCCACGCGTGGTCAATTCCACGTT
 TACGCAGAAGGAGACGAAAGGTGACGACTAACCGACCGATTGCGAGGGCGTTGGTCTCGGTATTCCACAA
 GGAGGGCATCGAGGTGCTGGCCAGGCATTATTGATGCCGGAACCGAGGTGGTGTCCACTGGTTCAACC
 GCGAATAAGCTGGCAGAGCTCGGTGTGAATGTGATCGAAGTGTGCGAGGTGACCGGTTTCCCGGAATGCC
 TCGACGGACGTGTCAAGACGCTTGATCCGCATATCCATGCCGGGATTCTGGCTGATATGACGAATGAAGA

CCATGCCCCGGCAGCTCGAGGAATTCGGTATCAAGCCATTGACCTGGTGGTGGTCAACCTGTATCCGTTCC
 GCCGATACCGTGCGGTGCGGAGCTGGGGAGTCCGACGTCATCGAAAAGATTGACATTGGCGGACCATCCA
 TGGTTCGCGGGGCTGCGAAAAACAGCGCCACGGTCGCTATTGTACCGATCCGACGGACTATGCCTTGGT
 GGCCACGCGCATCGAGAACGGCGAGGGATTCTCCTTGGAGGAACGCCGTTGGCTGGCGGCGAAGGCCTTT
 GCCACACAGCTGCCTACGATGCCACGATCAACGAGTGGACCAGTGGCCATTGGCCGAAACCTGCGAGCA
 TCGACGAGACCATTGACACCATCGCTGACGCGGGTACCGAGGATCCGACCGAGCAGGTGAAGCTTGGCAA
 GTTCCCAGCCCAATACACCCGCTCCTGGAACCGCGCGCATATTCTGCGATACGGTGAGAACCCCCATCAG
 GATGCCGCCCCTGTATGTAGATCCGCTCAATGTCCGCGGGTTCGCCGACGCCGAGCAGCTTGGCGGCAAAAC
 CCATGAGCTATAACAACTATGTGGACGCCGATGCCGCGTGGCGCGCGGTATGGGATTCGCCCCCAGAT
 CGCCGTCGCCGTGGTCAAGCACAACAACCCGTGCGGACTGGCCGTGGGAACCACCGTCGCCGAAGCACAC
 CGCAAGGCACATGCCTGCGATCCAATGAGCGCCTATGGCGGTGTGATTGCCTCCAACGCCACGGTGACGC
 TGGAGATGGCCGAATACATCCGTTTCGATTTTACCGAGGTCATTGTGGCCCCGATTATGAGCCCCGAGGC
 CCTCGCACTTCTCCAAGCCAAGAAGAAGAACCTGCGCATCTCAAGGTTGCCGAACCCCCCAAGGCCAAA
 TACCAGTTCAAGCAGATCGACGGAGGGTTGCTTGTACAGTCCACCGATCTGATTGATGCCCCGGGAGACC
 ATCCGGATGCTTGAAGCTTGTGGCGGTGAGGCCGCGGACGAGCGTACGCTCAAGAATCTCGAATTCGC
 ATGGCGCGCCATTCTGTTGCGTCAAATCCAATGCGATCCTGATTGCCGACGATATGGCGACGGTAGGCATC
 GGCATGGGACAGGTGAACCGCGTGGATTGCGCGCATCTGGCCGTGGAACGCGCCAATACGCTCGATGATG
 GGCGCAACCGCACGAAGGGCGCGGTGCGCGCCTCCGACGCCTTCTCCCGTTGCGCGATGGCGCCGAAAT
 TCTCATTGACGCCGGCGTGCAGGCCATCGTGCAGCCAGGCGGATCGATTCTGTGACGAGGAGGTGTTCGAA
 GCGGCACGCAAGGCCAATGTGACCATGTACGTCACCGGCACACGCCACTTCTCCTACTGAGTCATTGCC
 CTTGAAACCGGCTGTTGCAACCGGTGTATGGCAGATGACGCATGGAAGGCCCGACAGCCGCACGGTTGTC
 GGGCCTTCCATCATGTTACGGGCATACATGCAGGGGATAGGGTAAAGTATGCAGCAATCACTGGGAGGAG
 CACCATGAGCAGCCATCATCCATTTGTCTCTGAGAGCCATGAGGGCAAACCCGCATTCTGAATGGGGAGTG
 GCGCTCTGTGTGGTGGTCTCCACCGTATTGGCTGCATGTGGCAAAGCAATGGCCGCCACAGCCCTACTGT
 CTGTGACGGCCATTGGAACCAAGTGTGCTACGGACTGTGTTGCGGGAACGCAGCCCGTGGAAAGATTGCTC
 AGTGACGTTGACTCCATCTGCGGAATCAGTCTGGGAGTCATCCTGTTGCGTCTCTCCTCAGCGTCCTC
 TTCCTCAATCACTGAATAGTCGTTGTGCGTCTGTTCTCCGGTCAGTGGAACATTGTAGTTCTCTGCTTCG
 GCGATCTGAACCGCCTCGGCCTCATCTTCCGCCGGAACCTCACCGGCCTGTGCCATGGCGGCCTCGGCTA
 CATCCGAGTCGACGCTGGTCTTCGGAGTGCCAGCAGCTGGGAGACGATGATACCAACGCCACAATGGC
 GGCGGCGAGAATGGCGGTGACCCAGAACACCCAGAGTTGGGCAAGCGTTCTGCGTGAGACCCGTGCCCC
 TGGGCGAACACGGCGATGCCTGTGGCAGGGCAGGATTGATGGAGGCACCCGTACAGGGAAGCTCATGG
 CTGACGCGGCAGCATAGGCAACACCCATAACCAGCGCATAGTCCGACCTCACCTTGCCATGCTTGCGCAT
 CGAAACCATGGCGGCCGCCACGACGATGATGGAGGCAAGCAGCTCGACGATGATGGCGACGGTGATGCTG
 AACGTGAGTCCCAGCGAATTGAGCGATGTGTACAGCGACGAACCCCTTGTCTGATCCGTTCACTGCCATGG
 CATACCACTGGTTGGCGGCGACGCTTTCGGAGGTGGGCAGCACAAGCCTGAGCAATCCGCCGGCGACAAT
 GGCGCCGAGAATCTGCGCGACGATGTAGCAGATGCCGTCCACACCTTCGTCTTCGAGGTGAGCATGGCG
 GCCACGGTGACGGCCGGTTGAACTGTGCGCCGAGATTCTGCGAAGATTGCGGTGATGGCCGCGTAGA
 TCACGCCGACGCAGACGGTGACGAAGGCAAGGTTACGTTATAGAACGCCGAACCGAAAGTGACATGAG
 ATAGATGGCGAAGCAGATGAGCAGGGACCCAGCGAACTCGGAGAGTGACGCGGCCACAGATCATGCCCT
 TTCTTTGGCTGGACTGAAGCGGTTGTTGTCGTATCGGTCAATATTGTTCTTCAATGGCAGACGCA
 AAGCGTTTTGCGACCGGAACCCATCATACTCAACAAGCTGTGCAAGTGCTCGTCAAGGCTTGACGGAGTA
 CCGTCCGCACAGTATATTGAGAAAAGTTATATTGTTATTCGGCCACGTTGGGAGAACGATGCCACATATCTA
 CAGTCAAGCCAGAAAACAATATGAGAACGACGGCGACGGTATTGCTGCGAGAGCTTCTGGCGCAGGCG
 GGATTGCGGTCCCGCCGCAATGCGAGGAAATGATCACCGACGGCCGTGTCGAGGTGATGGCGAACTCG
 TCACCGAACTGGGCACCCGAGTCGACCCGAAACGCCAGCAAGTACGTGTGATGGCTCACGCATACGACT
 GAATCCGCGGCACATCACCTTGGCCTTGAACAAGCCACGCAAGGTGCTGAGCACGATGGACGATCCGAAG
 GGGCGCTACACGCTGCGCGACATCGTCGGCGACAAATATGAGCGCATCTCCACATGGGGCGTTGGACT

ACGATTCCGAGGGCCTTATTCTCATGACGAACGACGGCGAACTAAGCCAGCACGTCATGCATCCGAAATA
 CGAGGTGGAGAAGACCTACATCGCCACGTTGGAAGGTCATATGAGCGGCACAGTATGCCGTCGTCTCGTA
 CGCACC GGCGTACAGCTCGACGACGGCTGGATCAAGCTCGACCACTGCTCGATCATCGATTGGAACCGTG
 ACCAGACCATCGTGAAGGTAGTGCTCCATTCCGGGCGCAACCGCATCGTCCGCCGCATCTTCGGTGCCAT
 TGGCTTCCCGGTCAAACGGCTGGTGCGTACGCAGATCGGCCAATCAAGCTCGGTGACATCAAATCCGGG
 TCCTACCGTGTGCTGTCGCAAGGATGAGGTTCCGCGCACTCTCGAAGGAGGTGGTCTATGATTCTGTGGC
 AATCGATGGCCCTGCCGGCGTGGGCAAGTCGTCCTCGTCGAAGGCCCTTGACAGCTATTTTGGATTCTGCT
 TACCTCGACACGGGCGCCATGTATCGTGCATGCACATGGTGGTGCCTGGAGCGCGGGGTCGACCTGGATG
 CGGACCATGTGGATGAGCAGCAGGTGACGGAGATTGTGGCGGCCCTTCTTACCGACGGCCATTTCGACAT
 CAGCGTCGACCCCCAGCATCCCGGCGTCTTCGCCGACGACGTCGACATCAGCGAGCAGATTCTGCTCGCAG
 GAGGTCTCATCCACGTATCCAGACTCGCGGCGATTATGCCGGTGCGCAACGTGCTCATCGCGGCGCAAC
 GTGCCTACATCGCGGCTCAAAGCGCCGATGATTCTGTTCTCGACGGCCGTGGTGTCTAGCCGAGGGGCG
 TGACATACCGACGTCGTGGAACCCGGTGCGGAGGTGCGCATCCTGCTACGGCCCCGAGAGGAGGTGCGT
 CAGGCACGCCGCAACAGGCAGGAGCAGACCGGTGGAGTGGGCAGCGATGATGTAGCGAAACGCGACGCCG
 CCGACTCGAAGGTCAACCACTTACGGAGGCTTCGGATGGTGTGACGACGATCGACAACCTCCGACATCGA
 TTTCGGGGAGACGCTCGATCTGATGATTGGTCTGGTGCACGACGCGATCGAGGAGCAGGCATACCGGCAA
 TATGCCGCCAATCTCGACGATTACGAACTTGATGAGGGCGATGAGGGTCTGCTCGACGGCTCCGCATTCA
 GTGCAGACGGAGAGTCGGACCGCCGCAAGGCGGTGGGCGTCATCGCAGTGGTGGGTCGTCCGAACGTGGG
 CAAGTCGACATTGGTGAACCGCATTCTCGGACGTCGCGCCGCGGTTGTGGAGGACACTCCGGGTGTACC
 CGGATCGGGTGAGCTATGACGCCGAATGGGCGGGCACTGACTTCAAACCTGGTGGACACCGGCGGCTGGG
 AAGCCGACGTCGAAGGCATCGACTCCGCCATCGCGTCCCAGGCTCAGATTGCCGTTGAGCTCGCGGACTC
 CGTGATCTTCGTGGTAGATGCGCTACCGGGCTCACACAGACCGACGAGCGCATCGTGAAGCTGCTGCGT
 CAGGCTGGCAAACCCGTACCGTCGCGGTGAACAAGATCGACGACCAGATCAGCGAGTATATGGCCGCTG
 AATTCTGGAAGCTCGGCCTTGGTGAGCCATACCCGATCTCTGCCATGCATGGAAGGGGAGTGGGGGACCT
 GCTCGATGAGGCCGTTGCGCAAATGAAAAGCGCCGAAAGACCTCCGGTTTCTCACGCCATCCCATCTG
 CGCCGTGTGGCGTTGGTGGGACAGCCGAATGTGGGTAAGTCGTCGCTGCTCAACCAGCTCTCGCATTCTGG
 AACGCTCGGTGGTGAACGAACTTGCTGGCACACGCGTGATCCCGTGGATGAGATCGTGACCATCGACGG
 CGAGGATTACCTGTTTCATCGACACGGCGGGCATCAAACGTCGCCAGCACAAGCTGTGCGGCGCGGAGTAC
 TACTCCTCGCTGCGCACCCAAGCGGCCATCGAACGCTCCGAGCTCGCCTTGGTGCTGTTTCGACGCCTCCA
 TTCCGATCTCCGATCAGGATCTCAAGGTCATGAGCACGGCGGTGGATGCAGGCCGTGCGGTGGTGCTCGT
 ATTCAACAAATGGGATCTCATGGATGAATTCGACCGCCAGCGCATGGAGCGGTTGTGGAAGACCGAATTC
 GACCGTGTCACTTGGGCGCAACGTGTCAATCTCTCGGCGAAGACCGGTTGGCACACGAACCGTTTGGCCA
 AGGCGATGACGAGGCTCTCGAGTCTTGGGACAAGCGTATTCGACGGGCAAGCTCAACGCATTCTCGG
 CAAGATCCAAGCCTCGCACCCGCATCCGGTGCGTGGTGGCAAACAGCCTCGCATTCTGTTGCCACCCAG
 GCGTCAAGTCGGCCGCCGCGCTTCGTGATCTTCGCTACCGGCTTCCTGGAGCACGGGTACCGACGCTTTC
 TGGAGCGTTCTGCTACGTGAGGAATTCGATTTGAGGGATCACCGATTCAGATCTCGGTGAATATTCGCGA
 GAAGAAGCGCCGTAAGTAGCGATTCCAATGGCCGACGCGCGCAGCGTCGGCCATTATTCGCCCCCTCTGC
 TATATTGTGTATTGTTGCTTTGAGCAATACGGACCATAGCGCAGTTTGGTAGCGCACTTGACTGGGGG
 TCAAGGGGTCGCGGGTTCAAATCCCGCTGGTCCGACTTCATGGGATTTCTGCCACCTCATTTTCCGTCG
 TCGATCAATCTGCCGTATTACAAGGAATCAATTCGAGATGATCGGACGAGACTTCAAATAAATAACATA
 CTAATCTTTTCTCTCGTTGTTTACATATTTTCAACTGAACTAGGAAATGAATTCGAATTGTCATGCA
 AAAGATGCGAATCCTTGGAAAAAAGGCTACACTTGGCACAGTTGGCATAACGATACAGGGATCCTCTTCG
 TATGAGAAAGGTTTGACATGACCGACGCATTGAGCGAACC GCCGAGAAGATGAAGGCCACGGCCTGAG
 CGAGACGGCCATAGCCCAATTCGAGCATCTCTATGATGTGTGGCAGCACGAGGACGGCACCACTTGGATT
 CGCGAGGAGGACATCGAGCCGGTCCAGGACATTCCCAATTCGCGCAGATCTATGAGACGATCAACCACG
 ACAAGGCGGTGCGACGATTCGCCAAGACGGCGTTCCTCAAGCTCAACGGCGGTCTGGGAACCTCGATGGG
 GCTCGACTGCGCAAATCATTGTTGCCGGTTCGAGGCACAAAGCCAAGCAAATGCGCTTCATCGACATC

ATTCTCGGACAGGTGGAAACCGCACGCAACCGACTGGGCGTGGAGCTCCCGCTGACGTTTCATGAACTCGT
 TCCGCACATCGGCCGACACCATGAAGGTGCTCAACCGAGACAAGCGGTTCCATCAGGATGATATTCCGAT
 GGAGATCATCCAGCACGTGGAGCCCAAGATCGATCTTTCGACGGGGAGCCGGTGTCAATCCCTCCAAT
 CCCGATCTCGAATGGTGGCCACCCGGGCACGGCGACCTGTATTCGACCCTCTGGGAATCGGGTCTGCTCG
 ACATTCTCGAAAGCCACGGATTCAAGTACCTGTTTCATCTCGAACTCAGACAATCTGGGGGCACGTCCGTC
 ACGCACTCTGGCCAGCACTTCGAAAACACCGACGCTCCGTTTCATGATCGAAGTGTGAAACGCACCGAA
 GCGGATCGCAAGGGTGGTACATCGTTCGCGACAAGGTCACCGGTAGACTCATGTTGCGCGAGATGACGC
 AGGTGGCCCCTGAAGACGCGGCGGAAGCCAAGAACATCGACAAGCATCCGTATTTCAATACGAACAACAT
 CTGGGTGCGCATCGACTCCCTACGCGAGAAGCTGGCACAGAGCAACGGCGTGTCTCCGTTGCCTGTCAAT
 CGCAATTACAAGACCGTCGACCCAACGGATGCCTCCACCACCGAGGTGATTCAGCTCGAGACCGCGATGG
 GCGCTGCAGTGAGTCTGTTCAATGGGGCGATCTGCGTCGAGGTGGACCGCATGCGCTTCTGCGCGTGAA
 AACCACCGACGACCTGTTTCATCATGCGCTCCGACCGCTTCCATCTGACCGATCAGTACGAGATGGAGGAC
 GGCAACTACATCTTCCGAACGTCCAGCTTGACACGCGCTTCTACAAGAACATCCATGATTTGACGACGACC
 GCTTCCCTACGGCGTGGCATCGCTTGACGCGGCTGCCTCGGTCACGGTGGAGGGGGATTGGACCTTCGG
 CCGTGATGTGAACCTTCTATGGTGAGGCGACATTGCATGATGAGGGTAGGCCGAGTTATGTCCCAAACGGC
 GAATTCGTAGGACCGCAGGGTATAGAGCCCGACGAATGGCTGTAGAATTGTCGAGAAAAGAAAATTTG
 GTCTTTTTCGGTGTTTCAGTACACCATTTGAGGAAAAGGCCCTTATGATAATACAAGGGGCGTTTGTGTG
 CGCCCACTTTGATTTAAAACGATAACGATACGTGAGGACTAATGGCTGAGGGTAGTAACGGCAGGGCGCCG
 CTCTCGGATAAGTGGGGCAAGCATGAGCTTGATGTGCTGGCAGTGTTGTGCTCCGCTTTTCCGCAATGG
 CTGACTTCCCGCCAGATCGCCAGCGTGTGAAGGCATACGCTGACTCCTACGGTGAACCTGGCTGATCAGG
 CCGCGAAAGCGGCTTTCGCGAAGCAATTCCAACGTGACCGCGCTAAGCTGGCGGCCATGGGAATCGCCAT
 AGAGTCGCGGCAACCCGAATATTCCTCGAAATCCGAAGGTCAGGATTTGCGCTCGTACCGCCTTCAGCTC
 GGAGACGAGCCCCGATTTCGGCTGAAGTTCAGCCGGAAGACATGCCGGTGTGGCGGCCGCCAACTATC
 TAGCGCGATCGATGTCCATGTCTGTCGCCCCACAACCTCAACCGCAACACGTCTCTCGCACGGCACCGCG
 CGTGCCGCGAGACGCCGATTCCCGGTCTCGGCCTTGATTGATTGCACCTGGTCTGGGCACCCAGCACATT
 CCCGAGAATCTGGTGAAGGAGGTGGATTCCCGCCGATTGCGCGCCACGCTTTCGTGAACGGCGAAAGTC
 TGAACGTGCGCTACACCGACACCGACGATCTTGTATGTTCTGTGCTTGAGCACCCGAACACCTCCATTGT
 GAACCCGCCGAGGCCGTGGACGCATTCCGGCGGCGCCTCAATGCCGCCATCGGCTTCCAGCTGGCCGAT
 GACTCTGCGAACATGTCCAGCGCCAAGGTGGCAGCCCATGCCATTGACGCCGCGGACGAGGCGGAGGACG
 AGGATGGTGCGAACGGCAAAGGCCATAAGAAGAGCTCGTTCCAGACGGGAAGCGAAGTGGATCGCCGTCT
 GCGCCTCATGCTGTTCTCTCCGCCACATGGGAGAGGAATACTCGCTCTCCGAACTCGCCGTGCGCTTC
 ATTGGCGTCCCCAAGAATGACGACGAGCGCAAGAAGTTCGTACAGACAATTCACAAGGACATCAACACAC
 TGACCACCGTCTCCGACGATGGCGAGATGGCTGGCAGCCAGTTCTTCGACATCGACTGGTGGTGTGCTCGA
 GGCCGAGGGCATTGTATGCGCCACGAACTCCCTCGGCCTCGAACGTCTTGCCGGAATCTCGCCGCAATAC
 ATGAGCATGCTACCGCATCGGTGAACATCTGGCCCATGCACCGCTGCTGCCC GCCGAGGAACGCAGCC
 AAGCGTTGACCTCTATGACCGCCTGCGCCAGTATGTGGAACCGGGTCAGACCCCTTGCTGAGTCTGAC
 CGGCTACGAGGTGGAACCGGTTCTTCGGCATTGTGAAGAAGGCAATCGCTGAGCATGCGTTGCTGGAC
 ATGAAGTACACCGATGGTTCTGGCCGATTTCGCGAGCGTCTGGTGGCACCATCCAAAATCTACGTGGACG
 AAGGCGTGTATTACGTGGCCTTGTTGACCGATGTGGAAGACGTGCCCCGGCGGCGCTGCACAAAATCGT
 GCATAAGGACATGACGATTAACAAGGAGACCGGAGAACCTCGAATCTGGCAGATCCTGCGCATCGCGCGC
 ATAGAGGAGGTCCAGGAGGTGGAACCGACCAAGCCGATGCAGATTCCAGATGTCTCTGTGAGCGACCTGC
 GCAAATGGAGCATCGAGACCTCCACATCCGCCGCTTCATCACCGATCAACCGCATTGGAGTTCATACG
 CAACTCGGCGATGCCGAGGTGGAACCGTGCGGTGAGGGGGAGAAGGTTGACTGCAGATTCAGTCTGAC
 TCGTGGTTCTGTGGCGTTCTGCATTGCTCATGCCCCCATATTCTGGCAGTGGCACCGGAGACCTTGCGCA
 CGATGATTATCGCACGCGCCAAGCGTGAGCTGAGCATGCTCGACGAGAACGGCGAGGCCGATTAGCCGA
 GGAACATCATGCCCGCTGATGCGGTGCGTGTAGAGGTATATTACATGACGGACGGACGCCATCGCGCCCG
 GTGGAATTGACAGGACGACGCAAGGAAAGAGGTAATGCATGCCGTGGTGGATCTGGTTGATTCTGGCCCT

TGCCATGCTGGCGGTGCTGATTGCCGGCATCATCTACGTGATCATTACGGACTCCATGCGCTCCAGTCG
 GTGCAACGGACCGGTGAGGCGGTCTCTGAACGGATTGCCCTCATGTCCGATACCGAGGGCACCCGACACC
 CCAAGGAGCGTCCCATCTTCACCGAGCCACTCGAGGTGGCCGCAATCGATACACGCAGGCCCATACGAA
 GGTGGACAAACGCAAGCGGGCACGTCGTGAACGCTATGCACGAATCTGGAGCAGGTGGGCCTCATTCAAC
 GACTGACGTGGATGGGGAAAATGGCAGGACGAAACAAAAGGAACAGGCATTCCGAGTCAACAGACGAGCG
 TGAAGTCAGCCCGGCCGAACGGTACCGGGCCTTCAAGGAGTCGAGGAAGCGCATGCAGTCTGTAGCGGCA
 CGGTTGCGGACCGTATGCCATTCGAGTTGGATGCCTTTCAGCAAGATGCCAACGAGGCTCTTGAGGCCG
 GCTCCAATGTGCTTGTGGCGGCACCGACCGGCGCCGGAAAACCGTGGTGGCGGATTCGCCATATATCT
 GGCTCAGCAACGCAATGTGAAGGCGTTCTACACGACGCTATCAAGGCGCTGAGCAACCAGAAATACCAT
 GATCTAGTCGACATGTACGGTGCGGATAAGGTGGGGTTGCTCACCAGTGACACCTCGATAAATCCGAGG
 CCGACATCGTGGTGATGACCACCGAAGTGCTGCGCAATATGCTCTACGAGCATTGACAACGCTCAACGC
 CTTGGGCTATGTGATTCTCGACGAGGTCCATTATCTCGCTGACAGGTTGAGAGGACCGATTTGGGAGGAA
 GTGATCATCCACCTGCCTCAGAGCGTTCGGATCATCGACTCTCCGCCACTGTGTGAATGTGAGGACT
 TTGCAGACTGGATTGAATCCGTACGCGGGGACACCAAGCTCGTGGTGTCTGAACACCGGCCGTTCCGCT
 GGACAGTACGTGTTATTGCAAAAGGATCCACGCACCGAACCAGGAGTTGTTGACCTGTATTGCAGGGAC
 GACATGGGCGAACAGACCGTCAAAATGAATGCACGGCTGATGAACCGGCTTGACGAGCTCGACCGTATGG
 AGGCGCGGCGCGCGCTGCGGACACCCATGGTAGGTGCGGAGCGGCGGCAAGACCGCGGAGGCAAACGCAA
 GTTCGTGCGCAAGCCGGAACGATATCAGCCTCGCCGTTGGGCGGTCGTGATGAACTGAACTTCTTGGGC
 ATGCTCCCCGCCATATATTTCTGTTCTACGCAATGGCTGTGACGAGGACGTGGAACAGTGCCTCAACG
 CCGGGTTGCGGCTCACCCTGACGAGGAGGCTCTGCACATCCGCAAGATCGTGGATGAGATGATTGAGGG
 ACAGCTACTCGTGAGGACCTGAAGACCTGCACTTCTCACAGTTCCGCTATGCCTTGAAGAGGGCTTT
 GCCGCGCACCATGCCGCTATGATCGCGCTGTTCAAGCAGATTGTGAGCGCCTGTTTGAAGAGGGGCTCA
 TCAAGTGTGTGTTTGCCACCGAGACACTGGCGCTCGGCATCAACATGCCGGCACGCAGCGTCGTGGTGGA
 GAAGCTGGAGAAATACAATGGCACTGGCATCGTTCATTGACCCCGGGGAGTACACCCAGCTCACCAGG
 CGTGCCGGACGCCGGGGCATCGACACCATAGGCAATGCCATCGTGGTGCATCACCAGGATTTCAAACCCG
 AGACGGCAGTGGCATTGTCCAGCAAGCGCGTCTACCCGCTGCATTGAGCTTCAAGGCGACCTTCAATAT
 GGCCGTCAATCTACTCAACTCCAGCGATTATGAGACGGCACGAGACACCCTCGACCATTCGTTGCCCAA
 TGGGAAGCCAATGAGTCGGCATGGGATCTCGAGGCACGATTGACAACTGCGCAAGGCCATAGCTGGCT
 ATGAGGAGGCCATGGGCAATGATGCCGGTGACATGGTGGAGCTGCTGCGCATTCGCATGAAGCTCAGCGA
 CCTGCAGAAGAACGAACGCCGGCGGCTCAAGCACGAGGTGTTCAAGTCGAATGAGGAGCGTTCGCGTGCA
 TTCCGCCGGCTGGATGCACAGATCGCCAGCTCAAAGAGCAGGAGGCGAACCACCCGCCAAACGGTCTG
 CGGATTTCAAGACCCTGATGAAATGGGGGCACCGCTGGGTGCGTGAGACCAAGGAACTCGAGCGTCTGGA
 ATACCGCTATGAATCCCGTACCAGTTCGGTGGCTCGTCAGTTCGACCGCATATGCCATAGCCTCGAAGTG
 CTCGGTTACCTTGAGACAGCCGACGAGAACGGTCACATCGACTACAGGCTCACCAGTACGGGCAGCTAC
 TCAGGCGACTCTACACCGAACGTGATCTGGTATTGGCGCAGGCGATCACCATGGCATCTTCGACGATCT
 CAATGCCCCGAACCTCGCTGCACTGATGTCGTCGTTGCTGTACGAACCTCGCCGAGGCGAGGGTGGGGAA
 CCGAGAAGGTACCCGGGAGGCCCCGTGGTGTGATGCAGGCCGGAACGCCTTGAGGGACATGGATG
 GGCAGATCATCGATTGTGCGAGGCGAACGGTCTGGAGAACTATCTGCAACCGCTGGACTTTGGAATCGT
 CGATCTCATGTACAACTGGGCATATGGCGACTCGCTCTCCGAAGTGCTCGAGCACAGCGACATGACCGGT
 GGGGATTTCTGACGTACGGCGAAACGCATTGCCGACGTATTGCAGCAGATCGCCGTCGCCGAACCATATC
 TGGGGGAGGGCGGTGCCGAGCTCGCCGCCCTCGCGCATGAGGCTACGAGCGCTCAATCGTGGCATCGT
 GGCTTACTCCGGCTGGACTGATCGGCGCCAAAACCGGTGCCAGACACCGAGAATGCAAGGAATAAAGGG
 GTAGTCCCAGCTGTTTGTAGCTTGGAAGTACTTTGAAACCTCAAGGAGGAACAGCATGGCGGAACGCAG
 TCTGCGCGGCATGAGCATCGGCGCAAAGTCTTGAGTCCGACGACAACGTCGATTTGCGGGCTCGCGTC
 GAAGTGGCCTACGTATGTCCGAAGGGGACCGCACCATCCTGCCGTTCCGCCGAGTCCGCGGATCTCCGA
 ACGAATGGGAGTGCCGTTGCGGCGCCACCGCGCACCGTGAGAACGAGGAGGACGAGCAGCCGGACGAAAT
 CACCAAGCCGACCCGACGCATTGGGATATGCTCATGGAGCGTCGTAGCGAGGACGAGCTGGCGGCATTG

CTCGAAAAGCGTCTGAAGATGCATCACGACGGCTGGATTCCGGACTACGAGTGACGACAACCTGACATGA
 CAGAGCATGTTATGTCAGGTTTTTCATTTGCAAAACAGCGTGTGCCCATATAGGACGGAAAGAGGAAATA
 CATGACAGAACCCAGGCGAGTGGTGTGCTCGATCTCGACGGCACGTTGACGGAATCGGGCCCCGGCATC
 ATCAAATGCGTGATCAAGGCCTTCGAGGCCGTGGATGTTCCCGTGCCAAACGACGAGGCATTGCAGCGTT
 TCATTGGACCTGCCATCATCGATTGATGAAGCTCAACGGCATTCCGCCGCAGAACTCGATGAGGCGGT
 ACGCGTCTATCGGCATTTCTATGGTGATGCGAATGTGTTCAACGATCCGAACGAACCCGGGCGGAAAGTG
 CCCGGCCGTCTTGTCAACTCGATGTACGAAGGCATTCCCGAACAGCTGCGCAAAATGCGCGAGATGGGCT
 ACTATCTCGCGGTATGCACGGCAAAGCCCCGAGTATCAGGCCATTCCGATTGCGAGCATTCCATCTGAC
 CGATCTTGTCGACGGCATCTACGGGGCAAGCAAAGACAATTCGCGCATACCAAGGAAGCGGTGATCACC
 TATGCGCTCGACAGAATCGGTGTGGACAGGAACGCCGGAGACAGAGCGCTCATGGTGGGAGATCGTTGGA
 CCGATGTGGACGGCGCCAAGCTCAATGGGCTCGACTGCCTGGGTTGCGGCTGGGGCTATGCCGAGCCGAA
 CGAATTGCGCGAGCATGGCGCATACCGTGTGGTTCCGTTCTGTCAGCGAGCTTGCCGATGCGGTGAACGAT
 TACTTCACGGAACGCCAGTGACCGATTGACAATCCAATAATCTCATCAGAAGGGGCGCATGCAATACGTA
 TACGCCCTTCACTATATCGGTATACCATTATCCGATAATGTACGTTATGTCAGATTAGATATCCGTCAC
 ACTCCCCAGTGATATATATGCGGTATGTCATATCTAGCTCGTTGCCAGGCTCAGTCAGATTGATGAATA
 CGCGGCCACACCCTCCGACACGCGGCGCACCGATACCGCGACATTCATCACGATAAGATCAACGAATA
 CGACCAATCACGCCACGACAAAACAATGGGTACGGGAAAATATTCTCGTCGAACAAGTCTTATTATTGA
 AAACACTTGCATGATACTTTTCAATATACTTATCTGTAGATCTGTTTTTACGGATTTTCTACAGCACGAT
 GTATAGATATATTTAAACGTGTAGTAATTTTGTGTTTTCTCGATGATTTAAGTGCCTGTTACTTCATTA
 TTCGAACCAACGTGGCATTAAACAAGGTTACCGGAACAGCAACGCCTTCTCCTCCATGCATTGCCTTGG
 ATTCCTCCGCAACTCAAACAACATCGGCGTGTGCATTCCGCCGCGGAAGCCTGTGACCCAGAGCGTACAG
 CAGCATGCCGAGGAACAGGCTCGCCAGCACTAGCGCAATCGCCTGCCAGGCATTCTGCTGCAGCAGTTTG
 TAGGTATCGGCCGAAAAAGTGAGAACGTGGTCAGACCGCCGAGAATCCCGTGGTCATGAATTTGCCCA
 TGGCCTTGCTCGGTTGCGTCTGTCGATGATTGCGGTGAATAGCCCCATGAGGAAACAGCCACGCAATT
 GATGACAAGAATCGAGATCGGATCCATCGTCCAATTGTTGAAGCCATTCTCCAGCAGATACCGGCAGACG
 GCTCCCAATGCGCATCCGAATCCCACTGCAATGAGTTCATAATCCTCACCCCTACGCAAACGCTCTGGT
 GACAAGAAAACCAAACGCCACGCAACAAATGCCTGCCACGACGCTGCCAATCCAATAGATCCACGCGCGA
 ACCGTACTGTGCTCTTGAACAGCGACACGACTTCCGACGTAAAGGTGAGAACGTGGTCAGACCGCCGC
 AGAATCCCGTGATCAGCAAAGCTTTCCATGGCTCGGCCACAGACCCCATGGCCACTACCCCCAGCATGAT
 GCCCACGAGCAACGAACCGGCCAGATTTACCAACAGGGTGCCGCATGGGATTGCGTAGTCCTTGCGGTTA
 AGCCAGCCTGAGGCCAATGAGCGCAACAGCCGCCGCGAATGCGCCAACAGCCACCGCACTTAGATTGCG
 GCCAGATCATATGATTGACATCCCCTCATGGGTCTCATACCGTCTGCGTCACCATCGTCAGGCAATGGT
 TCGACGTGCGCCGTTTGAACGCATGGCACGCCGAGCCTGCACATACATGAGCGCCAACTCCGCGAACA
 CCAACACCACGGCAACCACCGCGGAGGGCCATCCCAACCGTTCTGATAGAGCGAGCGTGGGTGGGTGCCGAT
 CGAGTCCTTGTTGCCAGGAACAGGAAATACGGCATGGCGAACAAGACAAAGGTGGTGAGCTGGCCGATG
 ATCAGGCCCCAACTGACTGGTTTGACCACAACATCCGCGCGCCGAAATGGCTGCAGTGACGGTGACCG
 CACACACCATGACTGCACAGAGCGCTGCTGCAATCCATAGAATGGCAGGTAAGGCGTTCATATCACTCCC
 CTCGTCTTCATGCACATTGATATATTACGCCACGGCGTACGAATGCCCATCGATGTCCAAGGGCACATCG
 CGATACGGAGGCTCGACGTGCGCGTCCCGGTGATGCACTGCTGGTGCCTTTCGCGACAATCGGCAGACGAG
 CCAACGGTCCATCGGAATCGACGCTCAGGTGCCGCAAGGCGACATCGGAGGTGACAGCAACGGATTCCGGC
 GGCCGCCAGACTGGACTCCACCTGACGGAACAACGCCCCGACGGCAATGATGAACACGGCGGATTTCATGC
 TGCAGGACATCGGCGAACATGGTCTCACCTCACAGGCGCGCATGCTCCCCGTGCGAGACGATGACCA
 TGTGGGAGAGCTGCGTGAGCGGTAGGCCCGCAGGAACTGCAATGTTTGCGATATGTTCTGCAAGTTCAC
 GCCAAGGTGAGCAATTTCTTGATGCGGCGAGCATGAGTACGTCGTTGAAGGAATACAGGCGTCGCGAC
 CCCGAACCGTGCGATGCGGTGACCGATGGCTCCACGATATGCTTATGCGCCAGTAGTCGAGTTGCCGGT
 ATGTGATGCCGGCCGCGCGTGACGCCGAGATCCGCGATACCCCATGCGAACCTGCTCGGTTTCCAGCAG
 GGAGTCCGGAAACAACCTCCCTTGCACCATGGAATCGTCGACATCGAGCAATGGGACATCCACGAAAAGC

GGGAGGCCGTCATTCCGACCTTCCCCTGTGCTTGTGTCTCCCGATTCCGACTCCATTGCAGGGCGTGCGG
 CTCAATGCTCAGATGTTACGCACCGCGCTGTTCTGTGAAATAGATCAGGCGGAACCTGCCAATCATGATCT
 CATCGCCATTCTTGAGCGTCGCCTTGTGACCCCTCTGCCGTTACATAGGTGCCGTTGAGGCTGCCGGC
 ATCAATCACCGTGTAAGCGCCGTTTTCTGCGGCGGAACACGGCATGCTGGCGGAGACCGTGGAATCGTCG
 AGCAGAATGTCGGCGCGCGGGTCCCTGCCTACGGTCACTCGTCTTCATCGAGCAGGTAACCGGAACCGG
 AAAGAGCGCCACGTGTTGCGATAAGCAGAGCCGTGTCGTCCGCCAGTCTGGAGATGGTCTGCAGATCCTC
 CTGCGTCAACGGACGCTCACCGCTGGTGGTCACTGGAATCTGGATGGCAGGCATGCCGATGATGGTGGT
 TCGCCTGCACTTGGAATTGGATCAGTCATAACTCCTCATTCTACAATCTTTGCGTACTTATAGTTGGTCA
 CCGGCTGCGTTTGGGTGATTTTACGTCACTCGGACGTCTCGACGTTCACTCGCCCCGAATTTACCGT
 AAGCCTCGAGCCGACGCCACCGGCCATGTTACCGCATTCGCAAGGTTGTTCTGCTCCCTATGGCCTTG
 ACGATGTATGGCGCGTTGAGTGCCTTGCCGTACATATGAGGCCATTGCGACCTTCGCTGATGTAGGTGG
 AGGTGACCACCCGCACATCGTTGATGGCAATGACCTCTGCACCTCCGTTGCGCAGCTCCTCGATGAGGTT
 GAACATGGTCGCCGCATCGATCGGCGCCTTGGTGCCGGCGGAGATATGCACGATGATACGGGGACCTCC
 GCGGGAAGCCGACCTGAGAGAATGCCGCTGGACTCCTCGTTCTCCTTGGCGATGCGGTTGCGCTCGGCT
 CTTATCGGCTGCCTGTTGCAGTGAAGTGAGCTGCCGGCTGAGCTCGGTGCGTCGCTCTTCAAGGCGCTG
 CACCTGCGTGTTCTGCTCGCCGAGCATACGGGTGAGTTCAGACTCGGTATCGTCTCATACGTCAATCC
 GTATTGTTCACTGGATCACGTACCCGAACGACAGCAGTGCACACAATGCCGCTACAAGTAACTGGCCA
 GCAGCCGCGCGCAATGGATTGTGCGCGTCCGGAATCTGCTTCTCGGTTTCGCTTTCCTGACCGCCGG
 AAATGCACCGGTTGGCAGTTTGTCTTCTGCGGCTTTTTCTGCTGAGAGAGGATTTTCTTACATGG
 ATGCCGCTGGGTGGTTGAGGAGGCGTCCCGGCTGACTGAATCGGTTTGTCTCGTGCCCATTCGCTTCGC
 CCATACTACCCCTGGAAGATGAAACGGCGGATTGCCGAGACGTTGGAGAAGATGCGGATGCCAAGCACG
 ACGATGACAGCGGTGGAGAGTTGCGACCCACACCAAGTTGGTTGCCAGGAGCACCAGGAGTGTGCGG
 TGACGACATTGGAGAAGAACGAGATCACGAACACCTTGTGCGAGAAGCTGCGCTCGAAGTAGGCACGTGC
 CGCGCCAAGCAACGCATCAAGTGCCGCCACCACCATGATCGGAAGATACGTTGGAGCCAAATCGGAATG
 TCTGTTTTACGAACAGACCGACTACAACGCCGATGATCAGACCGAGCACTGCTGCCATTACCGTATCTC
 CTTCGCATTTGAAACCTGACCGGGTGTGCGGCTTGAGTCAATCATATTCTCCTTGCTGGTCTGCAAC
 GTCATACCGGCGTCTTGAACCTCTGGTACAGTGTGAGAGCTCCTTTGCCCATTCATTGCAAGCT
 CGTTCTTATTGCCTATGGCTTGAATGCGGTATGGACTTGAAACCGGTGTGGTGCCAATGAGTATGGAGTT
 GCCTGCGGTTCTGATGGACGTCTGCACCCCAAGCCTGTTGTGCTTGTGAGATCGCCTCGGCGCCTGCC
 TTCCACATAAGCGAGACGAGCAATTGCAGATCGGTGTGCGGTGACACGCGCAATCGGTTCTGTCGATTCT
 CTCGAGGTAACGATCCTTCTGCGCATTGCTGTTCTGTCACCATCGGGTCGGCAACGGTGAGCACAATGCC
 CTCGCTTCGACAGCGGTGGCGCCGCGCAGCCGCTTCGTTGCGCCGACCTCCTGCTCCACTTGGGAGGGC
 AATGCGGATTGCGATTGGCGGTCCACATCTGCGCGCATATCCGCAATCTGCTTCTCCAGTTTCGTCGATAT
 GAGTATTCTGCGCCTCAAGCTGTGACGCCAAGTGTGACGCACCTGTTTGCAGGGGATCGGTGTTGAGCAG
 GCGCACGAACAGGCATCCCGCGAATCCGACGGCCACGCATATGATGAGCACGATAATGCGCGTGCCCCAG
 AATGTGAGTTTGAATCCGTTTGGTAACCAAGTCTCGAATCGTTGTAGAGGGCGTCCATCGGACGGTTCA
 CTAGATCGTCGATGAGCCGAAGCGAGGCATCGTAGTGTGTTGCCCCGGCGCCGAGGCGGCATACCCCCACC
 ACGTGATATCTCGGTGTGATGTGAGTCGAGACGGGCGTATGCGGACGAAAAAACGGCACGCGCTGCGAACC
 GGCGGATCTTCAACGCTACCGGGAACACTTCAGGCATGCCGTTTTGCGGGTCAACTGCGCGTCTCTC
 TCTGATTTACCTACCTGACTGCTTTTTGACGTCCATCCGCTGTAGGAGCCCGATACCCTGACGCATATA
 CAGGATCCGGCCATCCAGTACAGTCTATGCCCCAAATCGCACAGGAGATAGCCGCATAGTGCAGCATT
 TCGAACACGGGCATCTGACGTTCTATATCGGCCACCATGAGGCCGACGATCGAGATCATGAGCACTGCGG
 TGCTGTCTTGCTACGAAGTGCACTGGGAGCGGCCATAGTTATGTTGCGCGAGAACCACGGTGAGCAC
 GGCCATTGTACATCGCGCAAAGCCACGAGAATGAGCATCCACCAAGGCACCACATGGCAGATGCCGAGT
 GCCAGAATGGAGCACAGGATGAGCAATCGGTGCGCGATTGGATCGAGCAACTGGCCGATCTTGCTCACCT
 GATTGAATTTACGCGCAATGAGACCATCGAGCCCATCAGAGGCGAACGACAACGCCAGCACGACCAGAGC
 CCATACCATGCTGTGCTCGGTGATGAGCCATGCGATGATCGGAATGGAGATGATGCGCAACAGACTGATG

ATGTTTGGTATGGTGAACACCACGTACGCGGTTCCGGACTGTACTTCTCCGGCTGAACTTCTCTTTGA
 GATCCATGGGCGTCACATCCAAGCGACTCACATTCGCGTCGCCTGGATGGCGGTGACGATGATGCCGCGT
 GCGCCGACTTCATACTGATCCATGAGCTGATTACCTTGGCTTTCGGCACCATGACGCGCACCGCTG
 CCCACTGCTTGTCATGAAGCGGCGAGATGGTGGGGCTTTCGAAGCCGGGCGTGATCTGTACGGCCGAGA
 GATCTTCTCCACGGGAATATCGAAGTCCATGAGCACATAGCGCTTGGCCGTGAGCACACCATGCAGGCGG
 CGTTCGAGCCGTTCCAAGCGCTCGTCCTGGGGGTCCAACCGCGGCGAGCGAATGAGCACCGCTTCCGAGT
 GCAGAATCGGTTCCCCGAAAATGCGCAGACCGGCGTTGCGCAGGGTGGTACCTGTGGAAACGACATCTGC
 AATCAAATCAGCCACACCAAGCTGCACCGAGGATTCCACCGCGCCATCCAAATGTATGGGCGTCGCATTG
 ATGCCGTGTTGGTTCAGATAGTCATGCACAAGCTTGTGCAAGGAGGTACCCACCCGCTTGCCTTCGACGT
 CGTCGAGCGTGGTGTATCGGGCTGTCCTGCGGAGCGGCGAAACGGAACGTGGATCCTCCGAAACCGAGGTT
 CATCTCCTCTGCGCATCAGTTCCTGAGTTGAGCAGCAGATCATGGCCGGTGATACCCACATCGATGGTG
 CCCATGCCACGTACACTGCGATGTCCAGTGGACGAAGGTAGAAGAGTTCGACGTCGTTGTGCGGGTCTCT
 CCACCACAGTTGGCGTGGGTTGCTCCGCAACGTGTATCCGGCCTCAGACAGCATGGCCCATGCCGGCTC
 GGAAAGCATGCCCTTGTGGCACTGCGATTCTCAGCATGATTCTCCAATTCTCCCCACGCTTGCCTGCGC
 CGCATGCGACCGGCGCCCCGGCGGGTATTGCTTACAGGTTCTGTAGATGTCGTCGAGAGTGATGCCAC
 GGTCGATCATCATGACCTGCAGATGGTAGATGAGCTGGCTCATCTCTCGGCGGTGCGCTCGGCACCCCTC
 GTATTCGGCGGCGATCCAGGTCTCGCCCGCTCTTCGATGATCTTCTTCCAATGAAATGGGTGCCCTTG
 CCAAGTTCGTCCACGGTGAGTGAACCTGGGGTCTGGTTGGCGGCCTTTTCGCTGAGTTCGGCGAACAGCG
 ACTCGAATGTCTTCATGGTTTCTTAATCGAACGTACACGTGCTACCCAGTGTGGCACGTGGTATGGGCA
 TGAATGTGCCGCACGCCGTTTCGACGTGCGGCAAGTTGCGAATCAGTCGCGGTAGGCGGCGGCGGCCGTG
 TCGCGAATCTCGTTGATCGCCTTGGCTGGATCAGCGGCGCCATAGACCGCGGATCCAGCGACGAGAATAT
 TCGCGCCGGCCTGGGCCACGGTTGCCGCCGTCTTCGGAATCACGCCACCATCGACCTGAATGTTCTGTGTC
 AAGGCCACGACGTGTGATTTCTGTCACGCAGGCGGCGCACCTTGCCCATCTGGTTGGCGAGGAACTTCTGG
 CCACCGAATCCCGTTCCACCGTCATGATGAGAATGGTGTGCAATTCCTCGAGAATGTGCAAGATCGGTT
 CGACCGGCTCGGCGGGACGTACGGCGAACCATGCCTCGCATCCCATGTCGTGACGTTGGCGTGCCAGACG
 CACCGGCGCATGGGTGGCCCCATGTGGAAGGTGACCGAATGGGCGCCACGCTCCGCATAGCCGGGAGCC
 CAGCGGTCCGGATCGTCAATCATGAGATGCACATCGACCGGCGAGATCGGTGACCTCGCAGATGCGCTTGA
 CAACCGGTTCCGAATGGTCAGATTCCGGGACAAAGTGGTGGTCCATCACATCGACATGAACCATGTCCGC
 ATTCGAAATGCGCTCGAGGTGCGGTTTCGAGATTGCAGAAATCCGCGGACAGAATGCTTGGTGCGATTTTA
 ATATCCATGGTTGCCATTCTAAATACAGTAATCGACCAGGTGAGACGTCTGAGCGGCCATATTCAGCCCCG
 CATTGCGGCCGAGCCACCTGCATCCTGCGGCGACTGCTCCCGTCTGGCTTCCAATTCGGTCTGGGCATG
 CAGCTTGTGCTGAGAAGCTGGGTGGGACTTCCCACTCGCTGGATGACGATGAAGGCGACGGCTCCGAGC
 ATGAACACAATGATCGACACCCATACGTTGACGCGCAGTCCGAGAATCTCGTGGGAGAAAGTCGATGCGCA
 GCATCTCGATCCAGGTGCGCCCAAGGGTGACACATCACATACAGCGCGAACAGGGATCCGGCCTTGAG
 CCTGTTCCGAAGTCGGTGGCCGATCCAGATGATCAGGGCGGCTCCGATGAGATTCCATATCATCTCGTAC
 AGGAAGGTGCGATGGAACAGCGTGCCGGTGGGCGAGCTCGCACCGTCATAGCAGGTCTACTGTTGCCA
 TGGCACTGCCGTTTCATGTTGAGCTTGAAGCCCCATGGCAGCGTGGTGGGCTTCCGCTACAGCTCCTGTT
 GAACCAAGTTGCCAAGGCGACCGATCGCCTGGGCGACAAGCAGCGCAGGCGCAATGGAATCCGCCAGCAAT
 GCCATCGGATAATGCTTATGGCGACACCATGCCATGCACCCAGTGCGCCGATAGGATGGCGCCCCAGA
 TGCCGAGACCGCGTTCCATATGCGGAACATCTCGACCCAGTGCCTTCCGGGCCGAAGAAACGTTCCGG
 AGTGGTGATGATGTGGTAGAGGCGTGACCGACGATGCCACATGGCACCGCCACAGGGTGGTGTGCAAG
 ATCTGGTGCAGAAAGTGCTCCCAATCTCTTCAACGTTCCGGGTGATCCATACCGCGGCAATGATGCCCA
 GCAGCATCGTCAACGCATAGATGTGAATCGTCAGCGATCCCACATGGAATTGGGAGATGGATGGCGAGGG
 AATGTAGGCAAGAGTCGTCATACGCTCGAATATAGCGTGGAGAACCAGATATCGGCATAGGACCGGTATTG
 GTTGGCAGCCGATTGATTGTCGGGCGGCCAACCAATAGCGTGCCGCTACAGGCGTGCGTTGTGGATGC
 CCTCGGCGAGTTCTGCGGTCTTGGCCGCCAACGCAGCCAGACCTGAGGTGAGCTCGCGCGCATCGCCATC
 CTCGGTGAGCAGGGTGTGGACCAAGGCGGATCCAACGATGACCCGCTGCTGCTACTGCCCGACGGCCTTG

CCTTGAGCAGCGGTGGAGACGCCGATGCCACACACACATTCTCGGCCCCGGCCTTACGGGTCCGGGCCA
 CAAGATCCTCCGGGAAGTCCCTAGACTCGACCGTTCCGAGTCACGCCATGCGCGATGCCGCATAGAC
 GAATCCCCGGGCGTTTTACACACCACCCGCGAGCGCTCATCGGTGGAGTCGGGGGAAACAAGGAAGATG
 CGATCGAGCCCATGGCGGTCCGACGCTCGATCCACTCCCCTGCCTCGTCGGGAATGAGATCGGGAGTGA
 TAAGGCCTGCGCCTCCTGCATTGCGGAAATCAGCGGCGAAGCGTTCAACCCATAATGGTAGATGAGGTT
 CCAGTAGCTCATGATGAGCGGCACTCCACCGGCATTGGCCACCGTCTCCACGGCCTTGAACACATCGGCT
 ATGCGCTCGCCATTGTTCAAGGGCGATCTGGCTGGCGGCCTGGATCACCGGGCCATCCATCACCGGATCGG
 AATACGGCAGTCCTATCTCGACAATGTCAGCACCGTTCTCGACCATCGTGGCGAAGGCCTCGAGTGA
 TTCCATCGTGGGGAATCCGAATGGCAGGTACCAATGAATGCAGGCTTGTCTGCGCTTTGAACCGTGTG
 AACAGCTCGCGGCATGGGCTGGGACGATGGCTGATTCCAAGCGGCTGACCGCTTGGCGTGGTGTGATT
 CGGTTCATATCTGCTCCTATTCCACTTACTCGTTCACGCGTTGTTGCCGGTCGCACCGTTCGCTCGAGTG
 CGGCTGCCTGCTCATCGGTGAGATATCCGAACCACTTGCCGGCGGTGTTTCATGTCCTTGTGCGCCGCTCC
 CGAGATGTTACAATCATCACCGGATGCTCATAGCCCTTCTCCTTGAGATCCCGTGGCGCTTTATAGGCG
 CCGGCGACGGCATGGGAGCTCTCGATGGCTGGAATGATGCCCTCGGTCTCGCACAGATCCTTGAACGCGT
 TCATCGCTTCTCATCGGTGCGCCATGAATAGTTCACACGTCCGATTTCCTTGAGCCATGCGTGTCTGG
 GCCAACGAGCATAATCAAGGCCTGCGGAAATCGAGTAGGTGTCAAGGGTCTGTCCCTCAGAGTTCCCA
 AGCAGATAGCTTTGGCCCCCTGGAACATGCCGAGTTCACCGGTTCCCGGTGCGAAACGGATGGCATGCT
 GGCCGGAGTCCGGACCGTGGCCGCCAGCCTCGAAACCATAGAGGTTGACGCGCGGATCGTCGAGGAAGGC
 GTTCATGATGCCGATGGCATTGGAACCGCCGCCACGCGAGGCGCAGATCGCATCGGGATGATCGATGCCG
 TACCACTGTGCCAGCTGCTCCTTGCCTCCTCACCTATGATCTTCTGAAAGTCACGCACCATCTCCGGGA
 ACGGATGGGGACCTGCGACGGTACCAAGCAGATAGTGGGTGTCTTGACGTTGGTGACCCAATCACGCAG
 CGCCTCGTTGATGGCGTCCTTGAGAATACGGTCACCAAGTGTCACTTCGACCACCTCGGCGCCAGCATG
 CGCATGCGGGCCACGTTGAGCGCCTGTGCGCGTGCCTCGATCTGTCCCATGTAGATGCGGCACTTGAGAC
 CGAGCATGCGACACACGGTGGCCGTGGCAACGCCGTGCTGTCTGCTCCGGTCTCCGCGATCACGCGGT
 CTTGCCCATGCGCTTGACGAGCAGTGCCTGCCGATCGCATTATTGATCTTATGGGCACCGGTATGGTTG
 AGGTCCTCACGCTTGAGGAACACTCTGGCGTCGAGTCCGGTGCCTTCTTGATGCGTTGCGCGAATCGCG
 GCGCCTCGGTGAGCGGTGAAGGACGTCCACATAGCGCTTATTGAGCGTGGCGAGCTCCTTGGAATTC
 GGGATCATCTTTCGCGTCGTGTCACACGCTGCAATTCATCGAGGGCGGTGATAAGCGCCTCCGGCACA
 TAGCGACCGCCGAAGTCCCCCAATACGGGCCATGATGTTGCTCAACGGAGTGGTTTCAGAAGCTTTCA
 CTCGTTCTCCTGCCTTCACTAATCGTTCCACGGCCAGCCGCGGTATCGGCGGTGGCCACGCCCTCTCC
 CACCAGAACAGCGTCGGCTCCGGCGCGGGCATAATCCTCAACTTCAACGGCACCGAATACACCGGACTCG
 GCCACCTTGATCACATCTTCGGGCAGATTGCTCGCCAACCTCGGTGTATTGCCCACATCGACGCGCAAAT
 CTTTCAGATTGCGCGCATTGATGCCGATCACACGCGCGCGCGCGGCGATGGCCCGCTCGATTTCCTCACG
 GGTATGCGTTTCGACCAAGGCGGTGATACCGAGTTCATGCGTGAGCTTCAGCAGATGCGCCAGCTGGGTG
 TCGTCAAGCGCCGCGACGATGAGCAGCACGATGTCGCCCCATGCGCACGCGCCTCCAGATCTGGTAAT
 CCGTGGTGATGAAATCCTTCCGAAGCACCGGGATGTGCACAGCGGCACGTACGGCATCGACATCGTCAAG
 AGACCCGAGGAACCTGCGGCCTTCAGTGAGCACCGAGATTGCGCTCGACCGCCTTGTTCGATTGTCGG
 CCCAAAGCGGCAGGGTCTTCTATATCGATGAGATGCCCTTTCGACGGCGAGGCACGCTTTATTTGCGCAA
 TCACCGGAATGCCGTCGTGACGCCTAAGCCATCGTTTCGCGTCGAGGGGAGCCGGAGCCGAGGCAGCCCG
 GGCCTTGAGCTCTTCAACGACGTTACGCGTTACGGTGCACCTTGTCTTCGAGTGCCCCGCTACCACT
 TCATCCAAAACCGACATGCTCCTCCTTGGGATGCGATGGCTCAACGGGCCCTTCCCGTCATAGTCACTGT
 AACGGAATGCAGGTGACGAACGCATGTCGACGTCTGAATCGTGGTCTGTTCTTCTCGCCGGCGACATAC
 GGCTCGACGCATAACACCGAATCACACGCGCGAGGGAATTACGCTCAAAAGCGGAATGCCATCTATGCA
 TTCGCAAAATGGTGGTCTAATTAGACATAGCCTACATCACTGATGAAAGGAACCGATTATGGCAGACATCA
 AGGAACATTTGAGGAATTCAAGGATCGCATGGAGGAGAAGCACGAGGAGCACAAGGCGGAGCGTGACGA
 AAAGCGCGCCGAGCGTGCCGAGGACCATGCTGCCAAGGTGATTGCCAAGGAGGACGAGAAGATCGTCAAG
 GCCGCTGACGACCCGGATGCCAAGCTCGAGAAGATCACCGACAAGGCCGATGACAAGAAGGACAAGGCCG

AAGGCAAGGCAGCCGCCAAGGAAGCCAAGGCCACCGAGGATCAGGTGGAGCTCAACGAGCGCTTCGGAAC
 CCAGCTCGGCTGATCCGCTCCACATTTCCGGCTGAAAGGGACGTGCATGCATGTCCCTTTTCATACT
 CCACTGGACCCCATAGCAGGTATGTCCGGGGCCACACCGTGACGAATCCCCATTGCTCTCGACGAA
 CAATCCGTTTGTAATTTGCCGAACATGCTGTAATGGATGGAGTGCCATACAGGCACACACAAACGAAAG
 GAGCCAATCATGAGTGATATGGCTCAAAAGATAGGTGAACTCAAGGGCAAGGCCGAAGTCAAGGCAGACG
 AGGTCAAGATGAAGGCCGCGAGCTCAAGGGCAAGGCCGAGGCCAAGCTCGACGAACCTCAAGAAGGATCA
 CGAGGACCAGTCCAAGTGACATCGCGTCACCAGACCGCTTCGAATCCAATGAAAGGCGTGAACTCAGGT
 TCACGCCTTTTCCTTTGAACCGCAGAGCGTTCGCGATGACGCCGTTGGCAGAAGCGGGCCACGTTCCG
 CGCCGTTTGCCGAGAACGTGCTAAGCCGGTCTGGTGGAGACATGCTAAGGAGTGTATATGGATACGATT
 GAATCGATAACCAAGCAGATCATGGACGACCCGCGTGACGCGGAGTTCACGAAGCGCGGTGAGAAGCCGG
 TTTTCTCGGCGCCGTCCACCGCGCTCATCACGATAGTCGGGCAATCACCGAGTCTGGACGCGCAGACGCG
 CGGCTTGCTGCTGGAACGACCGCAGCGGTGACACCTGCGCAAATGGCTCGATGTGGACAAAGAGACGTTT
 TACGATTCGGGAAAATTCGCACTCGTGCCAATGGACTTCTACTATCTTGGCGACGTGCCTGGAGACAAGG
 GCATGGAGGAGCCGCGCAGTGGGTGCCCCAACCTACCACCCAGAGATCATGAAGCTGCTGCCGGATGT
 CAAGTTGACGATTCTGGCCGATCGAATGCCGTGAAGTACTACCTCAATCAATGGTGAAGGCGCGTCTT
 GAGGACACGGTGAAGCACTTCAGGAATACCTGCCAAGTACTTCCCATCGTGATCCGTGCGGCCGGA
 CCGACATCTGGCGACCGAGCATCCGTGGTTCGATGAGACGGTGGTGCCGGCACTGCGCGAGCATGTGCA
 CGCCATCCTTGCAAGTGAGAAATCACTCGATTCTAATGACGTAAGTCCCCGTATTCGTTGTGACGACG
 AATACGGGGGACTTCGATATGCGGGCGCTCACACCTGTTGAGTTGTGCCGCGATTTGATCGCCTCGAC
 GCTCGCACTCGCTTGTGCGCGTCTCCATCCATTGTTCTCCGGAATGGAGTCGAGCACCAGACCGGCT
 CCCGCTGCACACTCGCCTTGTGATCGCGAATGAACGCAGTGCGGATTGCAATGGCCATGTCCATATTGC
 CGGAGAAATCGAAATAACCGACAGTACCCCCGTATATGCCGCGATCCGCTGGTTCCATCTGATCGATGAG
 TTCGATGGCCTTGGGCTTCGGCGCGCCGACAACGTACCTGCCGGAATGCCGATGTGAACACGTCCATC
 ACGGAAAGTCCCGGCAGCACACGTCCGGTGACGGTGGAAACAGATGTGCATGATGTGGCTGTAGCGCAACA
 CATCCATCAGGGAAACCACCTCCACCGAGTCCGGCTCGCAGACACGACTCAGATCGTTGCGGGCAAGATC
 GACGAGCATGATGTGCTCACTGCGCTCCTTCGGATCCGCAAGCAACTCGTCATGGAGACGTTGCTCTCC
 TCCGGGGTCTTGCTCGCGGGCGTGACCCGCAATCGGGAACTCATCGCAATCCGTTGTGCACTTTGA
 TGAGTGTCTCCGGAGAAGATCCGATCACGTTGAAAACGCGGCCCTTCGCATCGGTGAGCGTCATGAAGTA
 CATGTATGGACTCGGGTTACGCGTGCGCAGCACACGGTAGACGTGAAGGGATCGGCCGGCGAATCGATG
 TCGAGACGCTGCGACCCACACCTGGAACACGTCTCCGTGATGATGTGCCGGCGTGATCGTTGACCA
 TCGCGATGAAATCTTCCTTCGCCGTCCGGAAGCGCAGCTGCGGTTGGGGAATGGATGTGTCTACGACGTT
 GACGCGGAATTCGTCTGCGCCGAGTCGCGGCCTGGATCTCCATCTGCCGACGCGCGCAACCGCTTCG
 TTGTAAGCGGCATCGGCACGGGTCGGCTTGTCTGTCACGTTACGGCGTTTGCATGAGCCACACGGATC
 CCGTCTTGTGGTCCACCACGGCAATGTCGGTGGCCAAAGCCAACGTGAGCTCGGGCTGCTCGGTCTCATC
 GGGCGCATTGCGAGGCAACGTGCGTTCCCAATGCCGAATGGCATCCCATCCGACATTGCCACACAGCCCA
 CTGGTCAGATTCGGCAGGCCCTCCACTTTCGGCGATCTAAGCACATCGAGTGTGCGACGCGCCACATCGA
 TGACGTCTCCGGTGAGAGGAACACCGACAGGAACCTTTCCAGCCAATCGGCCTCGCCTTGATTGCAACG
 TAACTGGGCCATGGAATTGACGCCGATGAAGCTGTACTGACTCCAGGTGCCATTAGTCTCGGCGGATTTCG
 AGAATGAAGGTCCCCGACCGGTGCCCTGCAAGACGTTTATATAACCCACGGGGGTCAACGAATCGGCAA
 GGATCCTGCGTACGATGGGGATGATGCGGTACCCTTCACCGGCAAGTTCATGGAACCGCTCGCGCGACGG
 CCAGGTTTCCCCCAACCCAGATTCTTCACACTACTGGAGTCTGTCATGCTCACTCTGTCTCCTCCCGAG
 GTTCGCGCTCGCCATGACCACCGGCAACGGCCACCTCGTGAAGCAGCTGCGCTTCCGGTGTGGCA
 TGCAGACCCACCTGATCAACTCCACGAGAATGGCGTCGCCGTCGCAATCCAGGCTGAGACCTTCACA
 TACTGCACATGACCGGACGTGTCTCTTTGACACAGTATTCTGCCGCGATCGCGACAGAACGTGACTC
 GACCAAGTGGTAAGGGTTCGACGCAATGCCTCATCGTCCATGTACCCACCATGAGCACCTCATGGGTATC
 GTATTGCTGGATGACGGCGCAGACACGCCCTTGTCTGTCGATTTGAGACGGTCTTGATACGCGGATCC
 AGCGTCTTGGTGTGTCGTATACGATTTCAGATTCTAATCATGCCTGCTCCAATGCTGTAGGCGTTCA

TTCAATTGGTGGCCGGGGAGCATCCAGGGCATCCCTTCGGCCTCTCTAGCGCACGGCATAGCCAGCACGG
 CGCAACTCGTCTTGACCTCGCCGATTGTAACCTTGCCGTAGTGGAAGATTGATGCGGCAAGTACGGCGT
 CCGCGCCGGCGGGGATGGCAGGCGGGAAATCCTGTGCCTTCTGCGCCTCCGGAGGCGATGATCGGAAT
 AGACACCACCTCGCGCATTGCACGGATCATCTCCAGATCGAAGCCCTGCTGCGTGCCATCCGCATCCATC
 GAATTGAGCAGCACCTCGCCGGCACCCAGCTCCTCGGCACGCCTCGCCACCACAGGGCGTCGATGCCGG
 TGGATTTACGGCCACCCATCGTTGTGACCTCGAATCCGGATTGCGTATGCTGCTCCCCACGCTCACGCCG
 GGCATCCACCGACAGCACCAGCACCTGATTGCCGAAACGCTCGGCAACGCGGCTGATCAGCGTCGGATCG
 TTAATGGCCGCGGTGTTACGCTCACCTTGTCGACCCGAGCGCAGCAACGAATCTACATCTTCGGGCG
 TGCGCACGCCCTCCGACCGTGAGCGGAATGAAAATCTGTTCCGCGGTGCGCGTGACGACGTTAACCAT
 AGTCTGACGATGCGAGCTCGAGGCGGTACATCGAGGAACGTGAGCTCATCGGCCCTGACGGTAATAC
 TCCGCTGCGAGCTCCACCGGATCCCCGGCATCCCTGAGGTTTTCGAAATGAACGCCCTTGACCACACGTC
 CGTCATCGACATCCAGGCAGGGAATCACACGTACCGCCAACGACATGCTCATGCTCTCCGTTTCATCTTG
 GGACTTGCATACCGTGCTCTAGAGTACCGATTCCCTGTTACATCGCCATGTGCTTGCTATGGGGCGCCCA
 TATTGTGATATCGCGACCCTGCATATATTCTCAGGAATACCGGCAACTACCGGTTACATTGCGTTTGC
 GCAGACCGAATACGATGACCGCGGCAAGCCAGAACCCACGGCATAACGAGTCACAATCCATACATGCGG
 CCAGATTCTCCCGTAGTCGCCGCCACAGCCGCTACAGCGGACTGCGCGGATTGTAGAACGGCAATGCC
 TTCGCAATATCCTGGAATGTGCGGTCCCATGATCTGAATCGGCACCGTGACTCCGGCGAGAATGAACGCGA
 TTGTCGTGAGCATCGCGCCGCACACACCACCCACGGCCTTGTCGCTCATCAGCGTGCCGCACAGCAAGCC
 TATCGCCGTGATACGAGCGCGTTCGGCAAAACCACAATCGCCCCAAGCAACATACGCACGCCGATCGGA
 TGGCCGAATAGCCCGGCGAACAGGAACGTGACAAGCGACTGCGCCAGCGCCACCACGAGCATTGGCAGCG
 AATACCCGAGAGTGAAATCCGCGGCGGTTCATCGGCGAGGCGAACAGGCGTGTAAGAAATGACGACGTGCG
 ATCCTTGCGGATCAGCATGCCGGAGAACAACGAGACGAACACCGGCGCATAGGCGGAGATGGCCGCGGCC
 AGCTCATCGCCGAGATTGTGCGAGCACCTGGAATCTGGCCACCTGCTGTATATCAACGACAATGCCC
 ACAGCAGGAGCACCGGAAACGCGAGACCGAAGAACAGATTACCGGATCGCGCATGATTCCTTCATGGT
 GCGGCGCGGAACAACACGTCCTATGCCAGCTCATTGTTCCCTCCCACAGTTTCACGAATGCGTCTTC
 CAGATTGTTTTACCGGTTTGCTTCTTGAGCTCGGCCACGGTGCCGATGGCGATGGTCTGCCGGCGACC
 ATGATGGCGATACGGTGGCCAGCGCTCCACCTCTTCAGGTAATGCGTGGAAGCAGTATCGTACCC
 GCCCCTTAAGCCCTTGATCACATTCCACAGCTCACGACGGGCGAATATATCCAGTCCCACCGTCGGCTC
 GTCGAGGAACAGAATCTTCGATTGGTGATGAGGCCATTGCGATGCTGAGCCGGCGTTGCATGCCACCG
 GAGAGCGTGTGTGCTTTCTGGGAGGCCACCGCATTGAGTCCGAATTCATCAAGTGCCTGCTGTGTGCTCG
 CTTGGCTGCTGCGTGACTGCCCATAGATTCCGGCGATGAGCCTGAGATTCTCGGTGACGCTCAGATT
 CGGCGCCACGGCGTTTCTGGGGCGAGAGATTGATCTCGGGCTTGATGCGCTTCGCATCGGTCAGTACC
 GATTCTCCAGCAAGTATGCGTTGCCGCTCGTCGGTTTGGTCAATCCGCATAGCATTGAGATCGTCGTCG
 TCTTGCCCCGCGCGTTACAGCCGAGCAATGCGAAGGTCTCCCCCTGCGCCACGGTGAGATTGAGCTTGTC
 GACTGCGGTGAGGCTGCCGAAGGTCTTGGTCAGGTGACGGTTCATATGGCGTCCATCTCACTCCCCCTG
 TTTCGTTTCCGTGTACTCGCTCAGCGCATGGAACATGTCGGAAGGGAATGTTCCGCGAATGCCTCGTCC
 CAGTCGAGATAACCGGTGACGATCATTGAGGCGATGCCATGCACATACCCACATTGCGATATGGAAGG
 CATAGGCTTCGTCATACCCACACCCAATTGCCTGGCGATGATTTGATCACCAGGACGAGTTGGATGCT
 GGATTGTTCCATCTGCTCAGGTGTGCGCCGATGCATGAACAGCAACGTGAACAGATTGGCTCCGTGCGC
 GCGAATCGATGTATGCGAGACCGCTGGCCAGATATGGCGGTGATACCGGCACTCATCGCCGCATCAA
 GCCTCTCGATGTACCACGCATTCGCTGTTCCCAAACGGCCTGCCGCACCTCGTCCATGGTGTGGAACAG
 GCCGAAGATCGGCTTGACCGAGCATCAAGCTTCTCGGCGAGGGAACGGGCAGTGAGGGATTCTCGCCC
 CCACCGCAACAATGTCAAACGCGGCTACGGCGACCTCCTCCTGCGTGAATCGTGGTGGACGCGGCAATG
 CAATCTCCTCGATCTATTAAGTAACATATGTTACCTTACAAGAGCAGACTGCTTATGTCAAGTTGGGCAT
 GAAAAAGCGACACCGAATTGGTGCCGCTGAACCGAGAATATGCCATTATGCGTTGTTGGTTTTGGCCG
 CAAGCTGGCCGCACGCACCATCGATGTCCTGCCACGGGTGTCACGCAATGTGGCGGTGATGCCGGCATT
 GTGCAGAATCTCGAGGAACCGGCGCTCGTCTCGGGCTTCGATGCCGTCCACTTCGATCCTCAATGGGA

TTGAGAGGAATCGGGTTGACGTGGGCCAGTTGTCACCGTAATGGTTGAGCCGGTTCGCCAGTTGACGCG
 CATGGATCTCCTGATCGTTGATGCCCCGCATCAATGCGTATTCGATGCTCACGCGGCGTTTGCTCGCCAG
 ATAATAGTCATGTGCGGCATCGAGCACTTCATCCACATTGAAGCGACGGTTCATCGGCACCAACTCATCA
 CGGAGCGCGTTGTTGGGGGCGTGCAACGAGACCGCCAACCGCACCGGCATGCCTTCTGTGCGAGTCTGC
 GAATGCCAGGAACACGCCCACAGTCGATACGGTGATGTTGCGTGACAGAGATCCCGAAGCCTTCCGGAGG
 CATCGCGCTGATCTGTGCGACTGCGGAAACAATCGCCGATAGTTGCCATCGGCTCCCCATGCCCATG
 AACACGACATTGCTCAATCGGCCGGGACCTCCGGCCACTTCACCCCGTTCCATCATTGCGGCGGCGATGC
 GCACCTGTTGAGAATCTCGCCGGTGGACATGTTTCGCGTCAACCCCAATTGGCCGGTGGCGCAGAAGGG
 GCATCCCATGCCGCAACCCACCTGCGACGAGATGCACAACGTGGTGCGGTTCCGGTAACGCATGAGCACC
 GACTCAATCTTCGAACCATCGAACAGCTCCACAGAGTCTTGATCGTCTGCCCGTCATCAGCGACCTGCC
 GGGTCACTTCGCGAATCAACGTGCGGAAGAATTACGCGCCACCTCATCGCGTTTGCCCGCGGGGAAATC
 TGTGAAATACCCAGCATCGGCGTCAAAGTGCCCATAGTAGTGGTTGGCGAGCTGCCGACCCGGAATTTG
 GGCAATCCGAGCTCCTTCGCTTGGCGATGCGCTCATCGTCCGTCAGATCGGCGAAATGAACCGGCGGTT
 TGCCGCGGCGCGCGTGGTTCTTGCTGAGTACGTACGGAATGCGCCACTGCGGCCACCTTCAGTGATGCC
 GGTCTCGACGGTCTCGGAAACCTGATTGTCGTACGTCACTCTGAAATCGCTCATAATCCTTATTCGTCTA
 CAGTCCAGTTGCCACAGCAATACGCATATGAATGGCGCGCACATGAGGATCGAATCCACACGATCGAGC
 ACCCTCCATGGCCTTTCAACATATGCCCCATGTCTTTATGCCCATATCACGCTTGAGCATCGACGCAC
 ACAGATCACCATAGGTGCCACAATGCCTATGATCACGCCGGTCAACAACGGCGCCACCAACGCGTGGC
 CCACAACGCCGGCTCATAGGTGCAGGCGAATACGGCATAGGCTCCGGCCACCGCGAAGAGCATGGATCCG
 CACAGCCCCTCCACGGATTTCTTCGGAGAGATGCGCGGACTCAGCTTGTCCTACCGAACAGCATGCCTG
 CAAACAAGCCACCGGTGTGCTCAACGCCGGCATGAACACAATCAACATCGCGTGGGCGAAATAATGCTC
 GTTGAACGTGAGGGGCATCACGATGCAGGAGGCCAGCAGTGGGATGTACAACACGGTGAACATCGCGACA
 GCCACCTGAGTCAGGTGGCTGTGTTGCTCGGTGCGACGATCGGGCGCATCTGGCGTGGTCAGGGCCTTGT
 TATCGAGTCTCTTCCACACGACGCCCATGCCAGACCTGCAGAGTGGCGTGAATGCGACGGCTATGAG
 CGAGACGGCAACACAGACCGCCATGGCCACGACGTGGCGTGGGTAGAAGTACACCGCCAGCAATGTGACC
 GTGGAACAGATCCATAGTGTGACAAGCGGAATGTGCAGTTAATCGTCGCGAAGTCCACGCGCAATTCCC
 ATAGCCCCGCGATCATGAACAGCACCACCAGCACCACGAACAGTATGGGACTTGCCCATAGGCATAGCAG
 AATGATGGCGATGAGCGCGATCGCCGTACCCACTGCCTGTGGCATATTGCGGCCGGCTTTTCTATTGATC
 GCGTTGATTGCCTCGTCGGCCTTGGCTTCCCTGTGCGGCTGCATTTGTGAATCCATTTCCCTACGCCTTA
 CTCATGACGTGACCACTCAAGATGAAAGGCAATGGCATGCTGGATATGCACACCATTGCCTTTTGACCA
 TCTGGAGATCAGACCTCCATGATCTCCTTCTGCTTGCCTCCAGCAATGCATCGAGCTCATCGGTGGTGG
 CCTTCGTACCTTGTGAGTTCTTGAGCAGGCGATCGCCTTCGTCTCGCCATCTCGCCATCCTTGAC
 GGCCTTGTGATGGCTTCTTGGACTTGCGGCGAATGTTACGCACGGCGACCTTGCCATCCTCGGCCTTC
 GACTTGGCGAGTTTGACGTATTCCTTGCGGCGGTCTCCGTAGTTCGGGCATCGTCAGCAGAATGGCGG
 ATCCGTTGCGACGTGGGCTTGCCCCAGATCTGAGTCGCGCAGGGCCTTCTCCACTGCATTAGCCTGCGA
 GGGGTCAAATGGTGTGACGGAAGTGTGCGAGGCTCTGGGACACCAATGGTGGCCACATGCTTGAGGGGG
 GTGGGAGCGCCATAGTATTCCACCACGATGCCGTTGAGCAGAGCGGGATTGGCTCGGCCTGTGCGGATGC
 CTGCAAAGTTCTCCTTGGTGGACTCCACCGACTTCTTCATTTGTTCTTGGATTGATCTACAACGTTTGC
 CATATGCATGCTCCTTAGTTTTGCTGCTACGTGTGTTGTCACCGCTGGCGACTACGCCAGCGAGGAA
 TCTCCATTGGACACCAAGTGTACCGATGGAATCGCCCATCAGCGCGGGTACATTACCTTCACCTTCCA
 AGCCGAAGACGCGAATGGTCTGTTGTTGTCACGGGCCATGGCCATTGCCGAGGCATCCATGACGGCCAG
 ATTGTCAATGAGCGCGCGCTTATAGCTCAACGTTTCGAAACGCTGGGCACTTGATCCTTGCGAGGATCG
 GCGGTGTACACACCGTCCACGCCGTTCTTGCCCATGAGGACCTCATCGCAATGGATCTCCAGCGAACGTT
 GAATCGACACGGTGTGCGTGGAGAAATACGGCATGCCGCGCCGGCACCAAGATGACCACACGACCTTT
 CTCCAAATGGCGAATGGCCTTGAGCGGAATGTACGGTTACAGCGACCTGGCCCATGGTGATGGCGGTCTGC
 ACGCGTGTGCGCTGTCCGGCCTGCTCGAGGAAATCCTGCAGCGCCAGGCAGTTCATCACCGTACCGAGCA
 TCCCATGTAATCGCCGCGGGAACGGTCTATGCCCGCCTCCTGAAGTTCGGCGCCGCGGAAGAAATTGCC

GCCGCCAGTGACGATGGCCACCTGAACTCCCTGCTCCACTGCGGGAACGATTTACCGGGCGATGCGACGG
 ATGGTCGCGAGTGTCCACGCCGACTTTGCCATTGCCGAATGCCTCACCGGAGAGTTTGAGCAATACTCGGC
 GCGGCTGTGCCAAGTCGTTTTCCAATGCCATATTCTGCCTTCGTTTGCTGCGCCTTCGCGCAGTCACTA
 TTGTCTACAGGGTATCCATGCAACGACAGACACCGTAGGCATATGAAAACGGGGGACGTGGAATTCCACGTC
 CCCCCTTTTCATATGTATGCGAAATCAGTCAAGATCAGGCATCGGCCTCAGGAGCCTTGCCAACTCGAG
 ACGAGCGAAAGCGAGAGCCTGACCGCCGACTTCCTTGAACAGATCACCGATCGTCTTGACGCGATCCTTC
 ACATAGGCCTGCTCAAGCAGCACATTCTCCTTGAAGAAGGCATTGAGACGACCCTCGACGATCTTCGGGA
 CGATCTTCTCCGGCTTGCCCTTCGGCAAGGGACTTCTCGGTGGCGACGCGCCGCTCGGTCTCGACGACGTC
 CTCGGGAACATCGTCGCGGGTGAGCCACTGGGCGCCCATGGCAGAGATCTGCAGGGCGGCCTCATGGGCC
 ACGGCGGCACCGGCCTCATCCGTGGCGATCATCGCGACGATGCTCGGGGGCATCTCAACGGACTTCTTGT
 GCGCGTAGATCTCGACCTTCGGGCCTTCGATCTTGCGAACTGACCGACCTTGACATGTTGCGCGAAGAG
 CGCGGAAGCTTCTTCAACGGCTTCCTTCACAGTGCCGTCTGTGACGGGGCGGCGAGAACGGCATCGATG
 TCATCGGCACCGGCCTTGACGGCGTCCGCGAGCACGGTGTCTGCGAAGTCGATGAACTTCGGGGTCTTGG
 CCACGAAGTCGGTCTCCGAGTTGAGCTCGACGGCATAGCCGGTCTGGCCCGCCGCGGAATCGATAACTGT
 GGAGGCGATGGTACCTTCTGGGCCTTACGGCCTTCACGCTTGCCGGCGGCCTGAATGCCCTTGCGCGCA
 ATGATTTCTTGCGCGTGCAGCTCGCCGTGGCCTCGGTGAGGGCCTTCTTGACGTCCATCATGCCGG
 CGCCGGTCTCCTCGCGAACCTGCTTGATCAAAGCTGCAGTGATTGCTGCCATTGATTTCTCCTTGTTGT
 GTGAAAAGCATGGGTGGTGGGCGAACCTTGCGGCTTACGCCACCAATGCAACAGCGGCGGAAGGCAAA
 AGCTTCCCGACGCCGTAGAGATCATTGACCTTCTGCCTGGCTTGCCACAGCCTCTTCGTTCTGGGCG
 TCGGCACGTGCGGCTTCGGAGGAGGCTCCCTCCTCCTCGTGGTCTTCTTACCTCATTTTCGGTGACCA
 CGGCGTTTTACGCAGGGTGGCCTTCTCGTTCTTCTCGAGGAGTTCTTCTCCAAGCGGCCATCGGCTG
 CTCGGAGTTGCTCTCGCTCTTGAGGGCTTGCCGGAGCGCTCCAGCAGGCCCTCGGCGACCGCGTCCGCG
 AACAGGTTGGTGAGCAGTTCGATGCCTCGGATGGCGTCATCGTTGGCCGGAATCGGATACTCGACGGCTT
 CCGGATCGGCGTTGGTGTCAACAATGGCGACACCGGGATACCCAGCTTGTGTGCTTCTCAACGGCCAG
 GGCTTCTTGTGATGTGACGACGAACATCGCGGAAGGAGTGCGGGTCATGTTGCGGATGCCGCCAAGC
 TGACGTTCCAGCTTGTCTTCTCGCGCTTGAGCAGGAGGAGCTCCTTCTTGGTGAGACCGGAGCCGTGCA
 CGTCGTGCAAGTCCATCGTCTCGAGTTCCTTGAGACGGTTGACGCGCTTGGAACGGTCTGGAAGTTGGT
 GAGCATGCCGCCGAGCCAGCGTTCGGAGACATAGGGCATGTTACGCGGGTGGCAGCGTTCCTTGATCGCT
 TCCTGAGCCTGCTTCTTGGTGCCGACGAACAGCACGGTGCCATTGTGGGCGACGGTGGTCTTGATGAAGT
 CGTAGGCGACATCGATCAGATCCAGCGTCTTGAACAGGTTGATGATGTAGATTCCGTTACGCTCGGTAAG
 GATGTACTGCTTCATCTTCGGGTCCAACGGCGGGTCTGGTGACCGAATTGGAGACCGGCCTTCAGCATT
 TCGTCTCATAGTGATCTGAGCCATGGTATTACTACCTTCTAGTCGGTATTGCCTGGCCATGCGATCCTG
 CGTGACGCTGCCCTACAGGGCTGCCGACCGACACAGGCCGTGCGGGCATGACGCGAATTCATGTGCAC
 CGGTAGACGATATTGGTTGGCTCGGAAAGCTGCGACTGCCTTCTTACCGGTTGGCGCACAAATGCTCGA
 TAATACCACAGGGGTGCGATTTCAATTGCGACCCCTGTGGACATTCACACCAGACGTTCCCGCTGCGT
 TCGGTATGGCTAGTCAGCGCTATTCAAGACTGCGCATGCGGCGCATGCGCGACGCCGCTCGTCTTCTC
 CAGCCGGTCTATATAGAGATGGCCGTGAGATGGTGGTCTCGTGCTGGAGCATACGGCCCATGATGCCG
 TCCCCCTCGAGCACAATCTCATTGCCGTCCAGATCCATGCCGCGCACGCGCGGTAATCCGCCCGCTTGG
 TCTTGATACCATAGTTTCGGCAGGCTCAGGCATCCCTCATCGCCGTATTGTTGCCCCGGGTCTCCTCGAG
 CACCGGGTTGAGCACATAGCCGATCTTGCCATCGATGTTGTACGAGAAGGCTCGGAGGCTGACGCCGATC
 TGGTTGGCGGAGACGCCCCGCTCGGCCTGGGTATCCACAGTATCGAGCAGATCCTGCACGAGATTGCGTA
 CGGCCGGCGTGATCTCGGTGATTGGATCGCATGGCGTGCGCAGTACCGGATCGGGAACGACCCGAATTC
 ACGAATTGCCACTTGTCACTGCTCCTTGTGTTCTGTTGCGAGGAATCCGAATTCGTTGTGGTTGAGG
 CACCATGCTCAGGCTTGCCGAGGAGGCTTCATCGGACCGACCATGCTGCTGAAGCTCCTCAAAGCGTTC
 CTGTACATTGTGAATGCCTGACGGACCTTCGGAGTGACCGTCTCGGCGGTGTGCTGCACGGCTTGGGAG
 GCTTCTTTCACGGTTTCCGAGGTGCTTTCGATGATCTGCATGCTACCGGAACCGGACGCGCCGCAATTCT
 TCGGAGCATAGAGCTCCGCATCGATGAGCTCGCTGTATGTGAGAGCACCTTGGGACGCACAACCTTCTG

GCTTGGCGTGAGCGTGCCTTCCTCAATGCTGAAATCGGAGGGAAGCACGATGAACTGCGCACCGACTCT
 GCACGGGATACATTGGCGTTGCTTTGTCCACGTACTGCTGGATGAATGCGTGGACACCGTCGCTGTGGG
 CCAGATCGTCCATCGAAAGATTCTGTTGGGCATGCCCTGATTATCGAGCCAGCTGCGGGTCATCTCCTCATC
 GAGGGTCACTACTGCGCCAATGAACGGCTTGTGTACCGACGACCAACACATGGGACACGATCGGGCAT
 TCACTGATTGCGCTTTCCAGCGGGGCCGGGCTCACGTTCTTTCCACCCGCGGTGATGATGAGATCCTTCT
 TGCGACCGGTGATGTACAGGAATCCGTCGTCGTCGATATACCCGAGATCGCCGGTGTGCAGCCAACCGCT
 TGGCTCCAGCACTTCATCGGTGAGCTCCGGGTTCTTGTAGTATCCAAGGAACACGTTGGGGCCTTTGACC
 TCGATCTCCCCGTCGTCGCCGTACGCACGGCCATTCCCGGTCCGGGACGTCGACGGATCCAACGCGGT
 TGGCTTTCTGCCAATTGACGATCATCGGAGCGGCCGTCTCCGTATGCCGTACCCCTGAATGAAGGTGAT
 GTCATCGATGCCATTGAAGAAATGCACGAGGTCCGGATTGATCGGCGCTCCGCCACACGCGAGATACCGC
 AGGTTCCGGGCCAAGGGCCGATCGGAAGGACGAGGCCACGGTGCTCATATAGAACGAATGCTTGATTTCGCA
 TCATCGGTCCCGGGTGTGTGTGTCCGACATCATCTTCGACCCGGCCTTCTGGGAAGCTGCGTTGTAAAC
 CTTCTCGAATACGCGGGGCACACCGAGCAAGTACGTGCGCTTGAAGCCACGCAGATCGGCCAACAGATGC
 TTGGCGTCGGGCACATAGCCCACACCCATAACCTCCGATGGCCACATACTGGATGTAACGCGCGAAGC
 AATGGGCGAGCGGCAGAAACAGCAGCAGACGGTTCGGGGCATCGTACAGCATCTCGGGCAGGATCTCGTA
 GCCGTTCTTCACAATGTGGGTGAAGTTGCGATGCGAAAGCATGGCGCCTTTCGGCTTACCTGTGGAACCG
 GACGTGAACACGATGGTGAGCAGGTTCATCGGCACGCACCCGGCCAATGGCCGCATCAAGCTCGTCTCGC
 TCACCGATTCCCGTAATCGATGAGCGCTTCCAATGCACCGTTCTCGAAGTTGAATACGTGGCGGAGGCA
 TTTGACCTGCTCGGCGATGCGTTCCAAAGTATGGGTATGGTTCTCGTACCGCCGAATGCGATGGCAGGC
 TGCACCTCCGTGATGATCGAGTCGGCCTGCTTCTGCGAATCGGTCTCATAGATCGGAACACTCACCGCAC
 CAATGCTGGCACATGCGAAATCCATGACCCCCCACTCGTAGCTGGTGGCGGAATAGATTGCCACCATGGT
 ACCCGGACGCGCCCCTATGGCCATCAGGCCTTTCGCAACGCTGCGCACCTGGGCCAGCATCTCACCGGCC
 ATGACATCGACCCATTGGTTCGTCTGAGGGTCTTTGAACTGGGCAATCAGTTCATCGGGGCGTTCCAAAG
 CACGTTTCGACAGCAGCTGATATACGGTGTGTCATCCGTGGTCACGTATTTGTTATCGAGTCCATATTC
 CCTGAGCATGGTTCAACTATATCCAATCGTCTGCCATTTTCATCGGATGGTGTCAAGTTCATCCCATATCC
 AGATAGGTGCATATCCAAGCACTGCCGCGAAGGTGCGAGCACCATGTTACCCAATATTGGAGGGAACCCA
 CCCTCACCTCGATGGTGATTTCGAATCTCATCGGAGACACCGCGGTGCCGTGATGAGAACAGGCATGGG
 TTGCCCATAGAAACGCTTGAATGCAAATCGACACGGCTGCTGGTGGCGGACTTCATAAGATCCCGCATG
 AGTTCTAACCTCTCGCAGCAGGTGGTGGTGACCATGCCTCTCAGCGCCTGCACCCCCACCCTGCCTCGCA
 CAACCTCAAACGCTATGCAGCAGATCTTGAAAGCACGTTGCTTATGCCATATGCCGTGATGGGCAGCAG
 TTCCACATTGACGCAGCTGCGTATGCGGAACCGCACCGGGCATAGGCTGTGATTACGTGAGAGCATGCCG
 CTGTGCACCGGCAACGGTGTGCGTTCTATGTGCATGTCCACATCGGGAGGGCATGTCTCCAGCTCTTCT
 TCAGCGGAGGAATGTCTATGGGTTGACGCGCATTGCCCGCATGTGGTTTCGTATTCGATGGGTTGGATGG
 TGTATGCATGTTTCCCCCTTGAGTCCGATACGGTCCCTTTGCCGTATTCGGTATCGAATGTATCGAAGC
 CACGATTATCCCGCAACCCTGACACGGGGAATTGTGGATTTGTGGATGATTTATTCACATTCTCCCGCA
 TCCTCGCCGCGGCGCCCTTCCCCCGATAATGCCAAAGCGCCGAGCCTGATGAGATGGCAGACTCGGCGC
 TTTGATGTTCCCATTCAGGATCGGTTGGCGGTGACCACCACGGGGCATCGTTGGAAGCTCTTGATGTCCA
 CATAGCCACACGATGCCATGGCACGGCGCAATGCACCTATGAAGTTCGTGGTGCCGTCCGCCTTGTGGCT
 CGGACCATAAAAATCTCTTGACGGGTGCCAACCCTACCGACCTCAGAGCGCAGGCCACGCGGCAATGTG
 GCGTGGCGAGCCTCGGAACCCCAATGCGTTCCATGCCCGGCGCCTTCTGGGCGCGGGCCAGCGGCGCAC
 CGAGCATGGCCGCATCGGCTCCATGGCGAGGGCAGTGACGAAGCTGCCTGATTCGCCCATGCTGCCATC
 CGCAATCACCTGGACGTATCGGCCCCCGACTCATCCATGTAGTCACGTGCGGCCTCGGCCACATCTGAG
 ATGGCGGTGCGCATCGGGATGGACACCCCGATGGTCTGGCGGTTGGCGGATGTCGCGACGCCACCGAACCC
 CAACCAGCACACCGGCAGCCCCAGCACGCATCAGATGCAATGCAGCCCGGTAGTTTGCCGCACCGCCGAC
 TATCACCGGCACGTGAGGTGCTAGATGAACTGCTTGAGGTTCAAAGGCTCATGATCCTTCGAAACATGC
 TCCGCCGACACGGAAGTGCCGCGGATCACGAACAGGTCCACACCGGCATTGAGCACAGTGAATAGTACT
 GCTGCGTGCGCTGCGGGGAAAGGGCACCTGCCACGGTACCCCGCATCGCGGATCTCGTGGAGTCGTTT

AACAAATGAGTTCGGGCTTGATTGGCTCCGCATAGGCTTGTTGCAGATACGCCGTGGCATCGTCGGGATCC
 AACGAGGCGATCTTCTCCAGAATCGGTTGGGATTCTCGTATCGGGTCCACAGACCTTCCAAATCGAGTA
 CGCCAACAGTTCCAAGTTTGCCCATGGCTATGGCCGTCTGTGGGCTCGTCACCGAATCCATCGGGGCCCC
 GATCACCGGGATGTGAATTCATAAGCATCCACCTGCCACGAGGTAGACACGTCCTGCGGATCGCGGGTG
 CGACGGGAGGGGACGATGGATATGTCGTCCAAGCCATAAGCGATGCGGGCCTTCTTGCCAAGGCCGATT
 CTGTTTCTGAGCCATGCCTTTAGGCTATCCGTGCCATGTGACACGTCACCCGCACCGTTTGAGAATGG
 ACAAATATTCATGTTGGTAACACTTTTGCATTACACATGGGTTTGTACCCGCAACGACTGGAGGACACA
 GCATGGCCAAAATCAAGGTGCAAGGCAAGGTGGTTGAGCTCGACGGCGACGAGATGACACGCGTCATCTG
 GAAGGACATCAAGGATCGTCTCATACTGCCGTATCTCGACATCGATCTCGACTATTACGACCTGGGAATC
 GAGAACC GCGACGCCACGGATGACCAAGTGACCATCGACGCGGCAGAAGCGATCAAGCGCGAACATGTGG
 GTGTCAAATGCGCCACGATAACCCCCGACGAGGCGCGTGTGGAGGAGTTGGGCTCAAGAAAATGTGGAA
 GTCGCCGAACGGCACCATTGCAACATTCTCGGTGGTACGATCTTCCGCGAGCCGATTGTCATAGACAAC
 ATTCTCGTCTGGTGCCTGGTTGGACAAAGCCGATTGTGGTGGCTCGTCACGCGTTGGGCGACCAGTACA
 AGGCCACCGACTTCAAGGTGCCGACTTCTGGCACTCTACCGTGACTTTCACCCGAATGACGGCTCCGG
 GCCGATCGAACATGTGGTGTTCGATTATCCTGGGAGCGGCGTGGCGCAGGTGCAGTACAATCTCGATGAA
 TCGATTGCGGGCTTCGCACGCGCATGCTTCAACTATGGACTCCTGCGGCACTACCCCGTGACCTCTCCA
 CGAAGAACACGATTCTCAAGGCCTACGACGGCGAGTTCAAAGACATTTTCGCCGAGGTGTTGAAACAGA
 ATACAAGCAACGTTATGAGCAGGAGGGACTCACCTACGAGCACCGGTTGATCGACGATATGGTGGCCAGC
 TCGCTCAAGTGGCATGGCGGTTACGTGTGGGCTGCAAGAACTATGACGGTGATGTGCAGTCCGACACTG
 TGGCACAGGGATTGCGGTGCTGGGACTCATGACGTCGGTCTCATGACTCCCGATGGCCAAACCGTCGA
 AGCCGAGGCCGCCATGGAACGGTCACACGCCATTACCGTCTTGGCAGAAAGGCGAGAAGACCTCCACG
 AACCCGATCGCCTCGATCTATGCCTGGACCGGTGGCCTCAAGCACCGCGCAAACTCGATGGCACCCAC
 AGGTGCGCAATTCGCGGAAACACTGGAACAGACCATCATCTCGACCGTTGAGGGCGGCCAGATGACCAA
 GGATCTGGCCATACTCATCGATCCAAGCCATGAATGGCTCGACACAGAGCAGTTCATGAACGCCCTGGAT
 GAGAACCTGCAAAGGAACCTTGCCGAGCAGCGTTGAATCTGACATCCTCAGCAGATTGCGGGCCTGTGCG
 TATGCACAGGCCCGAAGTGTTGCAGGTGCGGTACAATGTAACGGCATAACGCTGCGATCTAGGCAAAGGG
 CAAGGGCGGTTATGGGCAAAGGCACCTCTCACATCATTCGCGCATTCTGCTCTGTTGGCGATGGCTGGCTC
 ACTGATGTGTGCAACGGCCGATGCTCCACCGATCCATTGACCGGTACCGCCACCACCAGCCCCCTCGGCC
 ACCACCGCAGCTTCGACAGGGCAGTGGCGCTCTTCTTCCATCGAACTCCCCTAATCTTTTCGAGAACG
 TTCCCCTGAACAACTGGAACACCCTCAATGATTGCTCGAGAACGCGTGTCCACTGGCGGATTCTCCGG
 CAAGTCCATGAACCGTGAGACCAGCGGTTGTTGGCAAGCCAGAGCGATGCCTTGAAGCGGTATGTGCAG
 GAACGGCTCAATGCGGATTCCAAGGAGCAATACGGCGACCCGCAACCGAGCAGGGGGCAACGACGATTG
 TCATCGCCCCGGCGTCAGGCTTGACAGGAACACGGCGAATACAGCCATTTATCACCCTCCGAACCA
 GGAGCCCTCCGACCAGGATGCATCTGACACTGACTCAGATGAATCCTCTTCCATGCGCCAGATAGCCGAT
 TCGCTGAACAAGGCGAAGAACGCGGGGATGCATGTGGTGGTGTGCTGGGCAACCCGATCGACGGCTTCGTT
 CGAACGTCTACGTCCATTGGTGACTGCCGCTGATATCGGCCGTATGCAGGCACAGCAGATCGTATCCAA
 ACTCGATCTCGATGCGGTGAGCGAGTGAATCCCAAAGCCATAGAGGTGCTCCTGCCGAACACCGACCCG
 TCCGGCAAAAACAATTGTTCCAAGCGCAGGCGTTTGAAGGCATCTGGGAGGTTCTGGGGCGCTATTTCC
 GGCAGCGCAAGGCATATAGCCCTCACAACGCCTCTCGTTCTTACCACGAAAAGCGATTACAAGGATGT
 GATGTTCAAGGCGACGAAGGACTCCAGATAGAGGATGAGCTCAAGTCACGCCTCGAGACGAAAGGACGC
 GATGCTGCCGTACGCATCGACGGTATCCTGGCGATGAACGATTTACCGCGGCCGCATCGATCAAGGCAC
 TGAACGATGGGCTATTCAGGATCCTCATGGATGTCAACCCCTCCATCACCATTTTCGATGTGGTGGG
 CAACATTGCAGGAAGGAAGCCACTGAACAGACAACGTGTGCCTGATCCGGCACAGTCAGGTGATGAGTCC
 GCGCAACCATCCCAGACAACGAAGACGGACTCCAAGCAATGGCCATTATCACCAGTTTGGTGCCTATA
 TATCCGATATCCCGAACATTGTGAATGGATTGCACTGGATGACCGGTCTGGTGGACGTCCATGCCAACAC
 CGGCACCATTCACAAATCGCACTGCAGCTCAACCGCAAGGAGAAGCTCTCAACATTGCCGAGCTCAAA
 ACCAGCGACGACTACGGTTCGGAGATCCCCACACTGCATATGACCCTGCTGGCCGTGAGTGCCGCAAATC

TGAAGGCCGATTGATCGATCCGGGATACATCTCATTGGCCGACGCCGACATGTGATGTGATGTGCCGGT
 GGGACGCTATTCGGAATAGGGAACCGACCGAATCTGCATTGGACGCAGGAATGACGCCGGATCGAGATAG
 TCCCTGCGCCCAAGTGCCTTGACACCCCAATGCACGCAACTTTCCCAAGTGGTCGCTCTGGCCTCCGA
 CCGAGGCGAATCGCTTCCGCGATGCACTTTGCGCCACCGCCAGTTGAGTGTGCGCCGGTTCGAATGT
 GAGCGGTACGGACCTGTGTCGATACTCACCACCGATTTCGCCGCCACCATCCCGCTGAAACTGATGGCC
 CCATCGCTGGGTGCCAGCAACTCATGCATACCATTCAACGAGATATCCACTCCCCTATGGCCAGGGCTCC
 ATTGCCATTCCGGCCGGTGAACCCCTGACAATCAATCCATCGGGCACGGGCGACAGCATGCGAGCATG
 GCACATTTCCCTGCGATTGCCGTACAACAGCAACGAGCTCCATGCCATGAATCTCACTCGACGAGACA
 GCGAGCGGGGCAACGGCACCGCAAACAGGCATAGCGCCAGAATCAGCAGTTCATGCTGCATCCGCAGCA
 ACCGCAGCATCCACAATCTCACCATCCTGAGTCTGCGAGCCCGCCATCGACGCCACCCATCCCAGGAAGT
 CCCATGATGTGCCATATCTCCTCCAGCCACGTAGTGATCTGGATTCCACTATGACTGGTTAGCATCCACG
 TGTCCAGTCTGGCAGGTCATTGTGGTCCGAGAACGGGTTATGCCATCACCCATTGCCGTCAATGGCATG
 CACTCATTGCCGAGAAGGATGGGAAAGGTGATGGCGAATCCGAAGACGTATTCCAGCGAATCGAGCAC
 CTCGTCAATAAGCAGTCGGGTGCGAACAGCTCCCGGTGGAAGACGAGGAAATCTGCGCATGGCATTCTGT
 GGATCCGAATCGGCGGCACGTGCCACGTTGATTTGCTGGTGCCATGTTGCACGGCTTTCTCGGCCAATC
 TGTCACCAATGAATCCGACACCTGCCGACCGGTTACGCCACCCAGAGTTGCGAGACGTGGAAGAGAG
 TCCATAATCCTCTTCCAATCCGACGAAGCCTCTGAACAGCCGCCACAGCACCATGAAGGGCTTACGG
 TAATAAGCGATCTGGTCTTCCATGCGTTCGCTCTCGATCGCTGCAAGAGCACGCCGGTTCATCAGTGTTC
 TGCTCATACGCGCACACCCACCTCCTGTATAACAAAAAGCCGCCCGAGGGCGGCTGATGGCTCCTGCGA
 CTGGGCTTGAACAGTGACCGTCCGATTAACAGTCGGATGCTCTGCCAACTGAGCTACGCAGGAATGCGC
 TCGCATGATCTCTACACGCAACAGACATATAATTTACACACGATACTTTGAATACGCAAATCCGGCGTG
 TCGGCATACTCCCCGATTTCATATGGCACGACCGTCATTTTCTCCGATGCGCGTAGAATGCAACATAGAG
 AGAAATCCGCACAATATGCGACGGTCTTATGCCCGCAAACCAATCAGGGAGAATATGGAGCCAGTGCA
 GCCGAATATGCCGAAATCCAGCGACGACCATGGTGACACCAGCAGCACGGCATCATCCACACATCGAAT
 GCATCGATCATCGTCATGCTCTGTCTTGCCATTGTCTTCGACGCCGGCGCCGCACTCATCGTGACAACA
 TGAACGTCTCCCATCTACCCATGCCAGACATATGTGCGCCGCGCAAGCGATAAACTGCGCATCGCGAT
 GAACACCTACACATACCTGCACGATAGCGAGGCAAGCAAGGCATACCATCTTGGCACCTATGACGTGCAG
 GACCCCAATGTGCTCGTGCAATTGCGCAAGGAATATGAGGAGAAGGCCCGGAAATCACGGGTGCAATG
 CCGACAGCGTCGAGGAACTGCAGCGCCGAACCGGCCGCATCATGGAGAACACAGGCTGGTACACCACTCA
 TCACGACAGACTCAAGGAGCTGACCGAATTGGTCAATGAGTCGCGTCGCGACACCGTATCTGGCACACAA
 TGAAAAAGCCGCCCGAGGGCGGCTGATGGCTCCTGCGACTGGGCTTGAACAGTGACCGTCCGATTAACA
 GTCGGATGCTCTGCCAACTGAGCTACGCAGGAATGCGCTCGCATGATCTCTACACGCAACAGATGTTTA
 GTTAGCGGGTGAGTCGAAAAATGCAATCAACGCGTGTGCGACCGTATCCCCGGCGGGATGCCGCACCA
 ATCCGGAGATAACCACTGCAATACCTCACATGCAGATCTTGGTAAGCGGCATCGCAGAGTCAATGGGGAA
 TTCCATGTCAGACGGCGCCACACCGGCCTCCACCAAATTCGAACCAAGCATCGCCACCATGGCACCGTTG
 TCCGTACACAGTTTGATCTGCGGTATGCGCACGTGACCCCGTGATTGCACCCAACCTCCATCAGCGCCT
 CCCGGAGCTGCGAGTTGCGCGAGAACCACCGCCACAATCAACGTGGTGGAATCGAACTGCTCGCATCC
 TCGCATGCTCTTTCGGGAAAGCACCTGTGCCACTGATCCAGCCAGCGACGCACATACATCGTCCACCGGA
 ATCTCCTGCCCGCTCCCTGCCGTTCTCGATCCAACGGGCAATGGCTGTTTTACCCCGGAGAAGCTGA
 AATCGTACGGATGCTCCTTGCCGCGCGACCTTGCGTGAGTCCTTGCGGCACCTTGATGGCATGCGGATC
 GCCATGCTGGGCATGCCGGTCGATGTATGGGCCGCGGGATATGGGAATCCAGCAGTCGGGCCACTTTG
 TCGAAACATTCTCCTGCCGCGTCATCCAATGTCGTCCCCACCACCTCGACATCACGCGCGATGTCGTTGA
 CATGCAGTAGCGAGGTGTGTCCGCCAGAGACGATGAGCGCCATCGTATTGGCCGGCAGGTCGCCGAAGT
 TAGTTGCGTGACGGCCACATGCCCGATGACGTGGTTGATGCCGTAGATCGGCTTGTGGCTGACCAAGGCC
 AATGCCTTCGCCCCGAAACGCCGACCGCAAGGCACCTGCCAAACCGGGACCCGCCGAGACGGCGATGG
 CATCGACGTGTCGATGGTCATGTTGCGGTGCGCGAGCGCTTCGATACCACCGGTACGAATGACTGTGC
 GTGCGCTCGGGAGGCGATCTCGGGGATGACGCCCGCGTATCTGGCGTGTTCTCATGGATGAGGCGACG

ACATTCGCCAGCAGTGTCTTGCCTTGACGACGGCGGGCGGGTTTCATCGCAGGTGGATTGATGCCGA
 GAATGATTTGGTTGCTCATTGTTTTCTTCTGGGCTTGTGGCGTGGCGCTGTTGGGATCAGCATTGTG
 TGTTCAATGGTATGGCGAAGCCTGCGGGTCGGGAATCGCGCAGGGTGAGGCTCATGGTGTAGGCGTCTTT
 GTTTTCCGGCTGGTAGTAGCTTTGCGGATCCCATGGTTTCAATCCGAAGTGGCGGTACAGGGTGAGT
 GCCGGTTCGTTGTCGACGCGCACTTCGAGCAGCATGCGTTGCGCGTGGAGTTCGTTGGCCTTGGCGATGA
 GCTGGTTGATCAGTTGGGTGGCTATGCCTTGTCGTTGGCGTTCGGGGCTGACGCCTATGGTCATGATCTG
 TCGTCATATCCGTCGTACCAGAGGCCGGCGTATGCGTCTATGGTTCCTTGGTCGTCCACGTTACATAG
 TAGCTGCGGTGTGGCGCGCTGAGCTCTTATCTATGAGTGTGTTGCTCCACGCCCTTTGCCGAACAGTT
 GTAGTCCATCTTGGCTATTTGCGAGCATACCGTGGCGCGGTGAGCGTGTGGCGTCGACGATCATGCG
 TTTGCCCTCGTTGCGATGTGCTCCTTCTGGTTGAGCACATGTTTGAGCGGGTTGGGCACGCTGACGTCGG
 GTCTGCGCAGGTAGAGGGGCTCGATGGGGCGTGGATTGGCGTCGGCTTCGGTATCGTGTTCTGCGAGTGC
 TGCGAAGGTTTTACCCCCCATGCGCCGGTGTGAGGAGTGAATGGTCGAGGGTGATTCCGTGCCAGGGT
 TGTTGCTCCAGATTTGCTCGTATTTGCTTGACCGTGTCCGACGATGTCGACGGCGACCGGCTGGTCGG
 GATGGCGTTGCTGTATGGTGGCGACCGCTGCGCTTACTTTGGCCGCGATGTTGATGGCGTGCCTATGTT
 CATGTCGAGTTGGATGCGTTCGTTGTTGGTGTCTGCGTTGGTGTGTTGCGAGCAGGGTGTAGTAGAGCTGT
 TTGCGGCGCGCGTCGTTGACGCTGAGGGTCAGGTGCAACGCGGTGCCCGCATTGGCTGGTGTATTCCAGT
 TGCCGAATATGGCTGTGTTGAGCAGGTTGCGATCGCCGTTGTAGGCCGCTTGCATCATGGCGGCCTGTCC
 GCTTAGGGAATCCTGTCCGAGGAGTTGTGCCCCGGTGGCATAGGCGATTGCCTTGGCTGCCACGATGCCT
 GCGCGTAGTCCGGTGAAGGGTGCCGGGCTATTCTACGACTATGCGTTCGATGTCGTGGGGTTGTATTT
 TCGCCTCTGCGCAGACTTGCGCAATGTCGTGCTGCAGTTTTTCCACGTGTGTGCGCGAATCCTGTTGCA
 GATTGGTTGATGCCCGGTTATGCCTACTGTGGATCCGAATGATGTGTCGATGACTAACGTGTTGATGTGT
 CTCGTGTCGCTTGTTCGTGTGTTGTGTTAGAGTGCGGTTCTTGATCGTATGCGTTGCCCGTCGGCGTC
 GTCAGGCTTGGGTGTGCGCTGGTTCCGCCAGGGCGAATCGTGTCCCACTGGGGTGATGGTGACGATGCG
 TTCACCATCTGCGGTGGGTTGTTCCGGCCTATGGGGGAGACACATGGTCGGTGGGTCTTTGGATGCGG
 ATCTCCAAGCGTTCGTGCGCGAGCGCAACTGCCATTTGTTGCCCCATTCCATGAGGATGATGGTGCGTG
 TGCCCCGTTCTTCGAGTTCCTCGTCGAGGCCGAGGGATTGAGTTCGTGAGGAGCAGGTCGGCCTGTGC
 CTGACCTGGGGCGTAGTCATTGGATCCAAGCCGGTAGGCATCCACGTGGATCAGATGTGCGGGAGTGCCG
 TCCGCGAGGGTGCCGTCGAGTTCCCTGGCGATGGTGAAGGTGCGTGAGACGATGGGTTCTTGAATGCCCA
 GGCCTTCCCCAATCCTTGCGCCAATGTGGTCTTGCTGCGCCGAGTGGCCCTGAAAGCAGGATCACCTC
 ACCACCGTGAGGCTGCGGGCGAGTCGCTCGCCAGCTCGTGATGGCTGTGCGGTGCGCACTTGCAAG
 GTAATCGTGCTGTCAGGTTGTCGTGGTGCGGGTGACGGGTTGGGCTCGAGCATATGGTGGATGGTGTTC
 TTGGATTCTTTGGCTCCGATGAGTCTATGGTGTCTCAAGTGCATATATGGGGTCGCTCCGCGGCTC
 TTGCATTGTTGTCGCCCCAGGCGAGTCGTTGATGACAGGCGCTGATGCCCTGCGATGTCCACCCTCCCA
 GACGTCCGTTGGCCGTTGCGAGCGCCCATTCGTTACCGCCGCTTGGTTTTGAGATGTCCCTTGACG
 AATGGCCGCGGCTTTGGCGAGGTTGCGCATTTGCAACGCGAGCGCGCCGATGAGTGCAATCGGTTCCGTT
 CCTTGGGCGAGCGCGGATCTCAGGGCGATCACTGCACGTGCGGTTTTCCGCCCCATGGCGAGGTCGGCCA
 CGTTGAAGCCGGTGACCTTGGGGTCCCTGTGAGGTATTGGTTACACGTTCACTCGCATCGGGTCGTC
 ATCGAAGTCGAAGCATAGCTGCCTGATCATGGCGGCCAGCTCTCCACATGGTCGCCGAGCACATTGACC
 AGTTGCTGTGCGGCCTGCGGGTCTATGCGCCTGCCACGCGATTGGAAGTCTGGTACACATAGTTGAGTT
 TGTCTTGGCCTTGTGCGAGTTTGGGAACCGTGTGACGCGGAATGTTGTTGCGGCGCATGAGCGCTTCCAC
 GGAACGGCCTTTAGCGTTGCGGCGCATTGCATCACCACGGCGACGCTTCTGGGTCCCGGTTTGTTCG
 TTGGCGTAGGCCACGATGGCGTCGAGCAGTCCGGAGTGGCGTCTCCGATGTTGACCCACACCCACCG
 ACCTCTGCGAGAGCAGGGAGGGACTACCGCCTCGTCGAAGGAGTTGGCGTCGGCGCTGCGGGCGTCGAC
 GCGTGCCAATTCGGCATCCCTATGTTCTCAAGCAGGCGATACACGGCATCCCGGGCGTCTGTTGCTTC
 AGGTACTCATCGCCACCGTAGATGAGCAGGCATAGTGTGCTGCGGTCATATCTTCAATGTCGACGTATG
 TTTGGACAAGTCTTGCACACCGGCTTTTGCTGTCATCCTTCTGCTCATCTGCGCCATGTGAGCCACCC
 ATCATTTCGAGCGTATGTTGCAACCATTTGGGTGAGGCGTTCCTGACCGCATGCGCATGGGACGGCCAT

CACCGTTGGTGACCGTGTCTCATAGGCTCGCAGCAGGTCCCCGATGCATACGATCAGCGCCCATGTGGT
 CAGTTCGGTCACGATGAGCACCAGCGCCGGGTATACCCTCCATCCATGCCAAGGTGCTCGACTCCTCC
 GAGCCGAACAGACGTGCCGCATATTCGATGACCGTCTGTGATTGTGAGCACGCCCATGCCAGGAATCGTG
 AGACGCCCCGGCGCCATCCATGCGACGAACAACGAGCACAGCCCCAGAATCGTCGCGGCATCGACGAATGG
 TGCAACCAGCAGATTCTGCTGGCAGCGACCATATTGACACCTCGTTGTCCATGAGAATCTGTACGGGACCA
 GCGAATAGCTGTGCACAGCATGAAGCCGCCAACAGCTTGCCAAACGGTCCGGTAGCAGATGCGACACCC
 ATGCCGTCATACGCGTGCATGCCGTCGACAAGCCGAACACCGCCGCACATGACAACGCGAAGCCGTAACT
 CGAAGCCAATGACGGATCGAGCAGCAATCCGAACACCACCGTCAGGCAGAGCAGATGCACACTTTGCCGA
 CGACGGCCCAACATCAGGAACCCAAGAGACAGCATCGACATCAGCATCGCCCGTGTGACCGACCTGCTGG
 GGGCAAGCACCATCGTGAGCATCGGGTAGACCATTGCGAGCGCGCCTGCCTTCACAAAACGGTTCCAATG
 GAGCCGTGCCCCCAATCCCATCACCAATGTGCCGACGAGGGCGTAATGGCCTCCGGATACGGCCATGAGA
 TGCATGATGCCTGCACGGCGACACTGCTCTTGACAGGAGTTGGGCGTATTCGTCTCCTCACTCCACCATCTG
 CGCAGTGACCATCGCATCGTGTCCGAGCACCCCCAGGGTCACGCCGGAACCAACACAACGCCCGGATT
 GTCGAGTCCGCGGGTCTGTTGAGGAATGCCATGCGTATCCGATGTACCGCACGCCATGGCGCCGGTGGC
 TCCTTGACGGCCATCATGTACCGTCTGCAAGCACCCATATGGGCATCTACCATATGCCGCCGCTGGA
 TGGTTCGACGATGGCGTAGTCCCCCTGCTGCGCGATGCGCCACAGGCCGGTGTGCGGCGAACACCCG
 CACACCGCGGGACGATGGACGTCGAACGTCATGGCGAACGATGGACCGGGCATTGCCGTGACCTGGCAG
 TCGTATCCCCCATCGACGTCGCCAACGGCAGTGAATGCGCCGTGAACGTCAGATTCACACGCTCCGTGG
 AGGAAGATGCCGACATGTTACCGGGTCGGCATGCTCCGTACAGGCTTCGCGCCGCCGTGGCAAGTGTTGGC
 CGCGAGTATGGCGAAACAGACCGTTAGCAGTGTGTACAGCATCCGGTGGGCGCGATCCACGGCCAATCCA
 TGGTGTTCCTCCCGCCCCGTTTCATCGTGAGGGGAATGAGCACCAGTGCGATGAAGATGGCTGCCGATGCCA
 CCGCCAGGCACGCCATTTGAGCATGCGGCCATGCTGCCAGAAGACGTCGTGCCCCGATCCGTGTTGGGA
 GCATACCCATCGGGTCAGCAGTGTGGCGCTCCAAACGCCCCGAGCCACCGGCAGCATGCGCAGGTCTCGG
 CTGCCTGCGATTCCCTGTGCTCCCGGTGCGATGCCGGTGCCGTATTGCGCGCATGCCCATGGTCTCAG
 CTTCTCTACGGTCTTCATGCCGATGCCGGGCACATTACCAAGTCGTCGAGACTGGCGAAGGCGCCATGC
 TGGGTGCGGTATTCGATGATCCTCGCGGCCGTACCGGTCCGATTCCCTTGATCTCCTGCAGTTGTGCT
 CGTCTGCCGTGTTGATGTTACCAAGGTGTCTGCTTGTGTCGGATGCCGATGGCGACGGCTCCGGTGC
 AGCCGTGGAAGGCGTCGAATCCCGGTGCGATGGCGATGCCGTGGCCGTGCTATGAGATGACGCGTTTGTG
 GTGGCCTGCGTGTCCAAGGCGCCCATGTTGGCGCCTGCTGCACCAGGAGGGTCAGGGTGGTGGCCAGCG
 CACAGACCAACACCATGATGCACAGCAGCGCATGCTTCGGTTCGAGTTGAATCGGGGTGTTCCAGACG
 GCGGACTCCACGTTCCGCTTCGAAATCGTCGTCGTTACCAACGGTCAGGCTCGACAGCAGTGCGCCCCGCC
 TTCTGGTCATCTCAGAACTTCCCTCACACCACCCGATGATTGCTCGTTGCTTGCCGTGACCGATGGCT
 CCTGGACACCGGGAGGCGGTGGCAGGGGCACCGACGGCATCTGAATGCTGAAGCCTGGACCGGTGGATGA
 ACCGGTGCATGCTGCGAGACGATGGCCCTCCAGATGGCGCAGCCGCGTCACAGCCCCCTCCCTCAGC
 ACGATGACGGCGTCCGGGCTTTCACGCCGTCCGGAATAGACAATGCCCATGCCGCCACTTAATCATGACG
 GCATGGGCATTGCAACGAGGACGGCCACCTGTGGTCGGAGGACGTGATATCCACCACGCAGGTTCATCCAC
 AGGTGCACGACCTGCGTGCGATCATTCGCCGGGACGATCGAAACAATCTTCGGGGCCTTGACGATCACC
 TTGCGCGGGCGGCTTGCCTCCAAGACGCTCAGCCACAGCCTCCAAGGCCATCTTCTCCAGTTTCATCCGGGT
 CGATGTGCGCACTCACCTCGAGTTTGGCCCGCACCTTGCTTTGATCTGCACCACGGCGGTGACGGTGTG
 CTGCCCAACATAACGCTCGTCGGCCTGTGGCCATGGATGGTGGGCCAACGACTCATCATGGCCGAGCCGG
 TTCCACAGCTCCTCGGCTATATGCCGTGCGATCGGAGCCACCATGAGCACCAGCGGCTCCACGGCGGCGC
 GGGGCACGCCGTTTCATGCCGGTCAGGTGATTGTTGAGCACGATGAGTTTGGCGATGGCGGTGTTTGGACG
 CATGGCCTCCATCTACCGGTACCTCGGCGATCGTATTGTTGAGCAGTTTCAACGTACGTTCTGTCATC
 GCGTGTGCGGTACCGTGACCTCGCCGGTGTCTCATCAATCACATTGCGCCACAAACGCTGCAGGAATC
 GCATGCCGCCACCAATTGCGGGTGTTCATGGACGTGACTCGTCAAGCGGTCCCATGCTCATCTCATA
 GAGGCGGAATGTGTCTGCGCCGTAATGGTCGTACATGTAGTCCGGGGTCACGATGTTCTTGAGGCTCTTG
 CCCATCTTGCCGAACCTCACGGTTGACCGGTTGCGCTTCGTAGGTGTACACGGTCTTGCCGTCCACTTCGC

TCTCCTGAACGTCCTCGGCCGGCACATACTGACCGCGGTTCATCGGTGTAGGCATACGCTTGGATCATGCC
 TTGGTTGAAAAGCTTGTGGAACGGTTTGAACGAATCCACGTACCCAGGTGGAACAGGATCTTATGCCAG
 AACCGTGAGTAGAGCAGATGTAGCACCGCGTGTCCACGCCGCCACATACAGATCGACGCCTCCGGCCT
 GCGCGGCCGCGGGGAGTGCTTCGGACCCATCCAATAGTCGTATTCGTCGCGCTCCACCATGTGCTCGGT
 GTCATGGGGATTGAGGTAACGCATGTAGTACCAGCAGGAACCAGCCCAATTCGGCATCGTGTTCTGTGCA
 TGATGGTAGGTCTTCGGACCGTCACCGAGATCGAGCGTGACATTCACCCAATCCTCGTTGCGGGCTCAACG
 GGGCCTCCGGACTCGACTGGGAATCCTCCGGGTCGAAGGTCTTGGGGCTGTAATCCGGAACGTCGGGCAG
 ATTGATGGGCAGCATGCTGTGCGGCACCGATGGGGCACCTCATGCTCATCGTAGACAATCGGGAACGGC
 TCACCCAATACCGTTGGCGGTGAAGAGCCAGTCGCGCAGACGGTAGCTCGTGGCCCCCTTGCCACCT
 GGGCCTCCTCGAGCCACGTGGTGACGGCAGCAATCGCATCATCCACACGCATGCCGTCAAGGCAGAGCGC
 GTCGCCACGGGCCACGTGCGCTCGACGGCTGAATTGATGACGATGCCGTTCATGCGAAACGAACGGGGCG
 GTACCCTCATAATTGGCCAGATCGTCACCGGAATCAGGGAGCGGCGCAACCGTGTAGATCACCGGAAGAC
 CGTACTTGACGGCGAAATCGTAGTCTCGCTGGTCACCGCCCGGAACGGCCATGATGGCACCGGTACCATA
 GTCCATGAGCACATAGTCGGCCGTGAACACCGGCAGCTTGGCACCGGTGATCGGGTTGATCGCGTACAGG
 CCGGTGAACAAACCGTCTTCTCACCGTTGTGCGCCACACGGTCGGCCGCGGTCTTTGCCTCCGCGAGCT
 CACGGTATGCGGATACGGCCTCGCTCGGCGTGGCATAGCCACCCGTCCACGCCGGGTCCACACCTTCCGG
 CCAGGATTGGGGCACATGCTCCAGCATCGGGTGTTCTGGGAGAGACCACACAGAACGTGGCACCGAACAAC
 GTGTGCGGGTCGTGTGGTGTAGATCTCCATATCTGCCATCTCACCGTCGACCGGCACCTTGAAATGCACGG
 AGGCGCCATGCGACTCCCCGATCCAGTTGCGCTGCATGAGCTTGACCTTCTCAGGCCAGTCGATGGAATC
 GAGATCCTCTATGAGACGATGCCCCGATGCGGTGATGCGCATCGACCACTGACGAAGCTCACGCTGGAAC
 ACCGGGAAATTGCCACGTTGGAACGCCCTCTGCACTGACCTCCTATTGGCGAGCACCGTGCCAAGCC
 CAGGGCACCAATTGACAGGCGATTTGGAGATGTAGGCGAGTCGGTACTCATTGAGCACCTCGGTCTGCTC
 CATCTCGGTGAGTTCATCCCAGGCCTTGTCTCATGTCCGTCAATCGGACGTGTGCCGGCGCGGAATTGT
 CCGATCAGGGTGGAATCGGGCGCGCGCACCCCATGGATCCACTCGGATTTCTCGTATCCGGATCGTACC
 AGGCATCGTAGATGCGTGAGAAGATCCATTGGGTCCAACGCACGTATTCCGGTTCGATCGTGCGGAAGGA
 GCGGCGGTGCTCGAAGCTCAGCCCCATGCGGCGCAACTGTCGCCGCATATTGCGGATGTTCTGTTGCGTC
 GTGATGCGCGGGTGTGCCCCGTCTGCACGGCATACTGTTGCGCGGGAAGCCCAATGCGTCATAGCCCA
 TGGCGTGAGGACGTTCTCGCCCTTCATGCGATGGTATCGGCTACCACATCGGTGGCCAGATATCCCAA
 CGGATGACCGACATGTAATCCTTTGCCGAAGGGTAGGGGAACATGTCCATGGCGAAGAAGGACTGACGG
 CCATCGGCATGACGTCCCTTGCTGTCACTGAGTTCGCCGCTCACGTTGCGGGCCAGAACGTGCCCTCGC
 TCTCCAGATGTCCTGCCATTTCTCTCAATGCGCTGGGCCATTTCCGTCGTATAGCGGTATTGTGGCGT
 AGCCGGCGCATTCGATGTTGCTTGCGCGTTCTGATCGTTCTACTCATAGGCAACGATTATCGTGACGCA
 ACTGGACAGTGGGGGCGTCATGTCCACCGATCGACCCGTTGACCCGGGAGGGGATGCGCCCGTTATTG
 TCGTCTGCGAGCGTGCAACCGTCACCGGATTGAGACTCAGATCCACATGCATACCCAATCGGTTTCCA
 TTGCGTCGATCTGGGCGTCCCATGCGCCGTTCATCGACCATCTGCTGCAGGGCGGTGTCGATGAGCTCCAT
 GAGCTTGCGCTGGTCCGCTTCACTGCGATGCCGAAAGCCTGGGTGCCGTAGCTGTCTCTGCGAGATGC
 AGGTATCGGGTGCCACCGTCTTGCGCAGTCCCGCCAGAATCGGCTGTGGCCGGCTATGGCATCGTCT
 GGCCACACAGCAATGATGCCGAGCATTGCTGTAGTCGGCACGTTGCAGGATCTTGATCCGTGGGTGACG
 GTCATGGAGTTGTTCCCCGGAATACTCGCCGGCGACCGTGACACGGTCCTGCCATCGAGTGACTGCACA
 TCCGGCAGCCGACGTGCGTCATCGGCACGAACCAGCAGTTGGTTGCGAGCGACAGATATGGGCCGAGA
 CCTCGTACCGGGTGCCATCCGCCGTTTTCGTATGGTCCATCTCCAACGCATTCTTGCCACCGTCATAGGC
 GAACGTGACCATAGCGAAATCGACGCTACCATCGTCAAGCCTGTCCAAGCGCGTGCGGGGGTCTGGGAG
 TGGAAGAAGAGCTGCTCGTCCCCATAGCCGAGCACCTTGCCACATATTTGGCCACTTCGACACTCAGAC
 CGCTGTATTGCGCGTCATGGTACCAACCAACCCCCGGTTCATCGGCCGGCACGCCGATCGACATGACCGG
 CCCCTTCGCTGCCCGGGGCGCTGACATTCACCGAGGTGCCGAGCCGCAAAGCCCCACTGCGAGAGAG
 ATTGTGAGGATCGCACGGGAGATGGTTCTCAGTCTTGATGCATGGCGCGCCTCACTTGAACAGTCGCGA
 GCGTGTGAGGAACCAGATCACCGCTCTGCCAAGACGCAGGCAAGCAGGACGATGACGAGGAACCCCCAT

TTTGAATCGCTCAACGGCATGCCGATCATCCCCTGTTGGAAGTTCATGCCATACATGGAGAAAATGAGAG
 TCGGAATCGATAGCGTGATCGAGATCATCGTGAAGATGCGCATCACGTTATTCAGATTGTTGACACGAT
 CGAGGCGAACCGTCCGTCATGTTGCGGAGAACGCCGCTGTAGATGTTGCCATCTCGATGGCCTGCTTG
 TTCTCGGTGATCACATCTTCAAGCAGATCCTCGTCTTCCGGGTACTGCTTAATGCGTGTGAGCGTCATGA
 GCTTCTCCATGACGATCTCGTTGATTTGAGCGACGTGTTGAAATACACCAAGGTCTTGCTCAGTTGAG
 CAGCATGAGAATCTCGCGGTTCTGCATGGAGTGGCGTAGACGCAGTTCGAGTTTATCGGTCTCCCGGTGCG
 ATGATGCGCAGGTACCGCAGGTACATCGTCGCGTTTCGATAGAGGATCTGCAGAATGAATCTGGATCGCA
 TGAAAGTGTGAATCCCCGGATCGTGCCTTCCATGAACGGATGGAGCACCGGGGTGTCCTGCATGCACAC
 GGTGATGATCATCGTCTTCGTACGATGATCGACAATGGTATCGTCTCGTACCAATCCCTGCCGCTGCGT
 TCCTCCACGGTGGGAATGTCCACGATGATCATCGTGTAGTCATCCTCCACGTCCACGCGCGAACGTTCTCT
 CGTCATCGAGCGGGGCACGCAGATCGGCGAGGTGATGCCCCGTCTCTGCGAGACGGTGGCGAGCTCGAC
 ATCGGTGGGATCGGCCAACGCCAGCCAAGAGCCGTTCTCTGGTTTCGAAATCTGCCGTACCTGGCCGTCA
 ACGGTACTGAACATACGCAACATGGGGCATCACCCGCTTCATCGTGTCCGGCATTGCCACTGGACCCG
 CGACGCCACACGTAAGGGGTGCATGCGTCACGGTCGCTTTCAGCCAACGCACCAGCATAGTCGAGGGT
 TGAGACAGCCGGGCAGCATCGGCCTAAATCAGCGGTTTCCACATCGGCATGTCTGGATTGCGCAGGTACG
 CCGGGCCGTTCTCCAGTCAACGGCGTCCGCCACATCCGGCCCTTGTCATATTCCGTAAGATGGAACAG
 CACGGAATTCGAAGTGTACTGGGGTTCCATACGACTCCAGAACGCATTGCGCATACCGGTCAGATTGTCA
 AGCTGCGAATCTGGCAGACCCATGAGGTTTCCAATGGTTGCGGCGATCCATGAACCGTGGGAGACGACGA
 ACAACGTGGTGGGCTCATCCATGTACTGGGGTTCGTCGCAATAGGAACGGATCGTGGAACTGCCACGTTT
 GCCAAGGTGGGACGGCTTTCCACCCCATAGGCCGCTCGCCGCCCTCATGGGCCTTCCACGACGCATAT
 CTTCCGGGTACCGCTCATTAATCTCCTCTCGGCTCATCCCTTCCATTGGCCGAAATCACGTTGCGCGCA
 GACGCGAATCGAGTGTCACGTCCAATCCCAGCGGGTGGCGGAAAGCATGGGCCGTCTGTTGGGCCCGGAA
 GAGATCCGAGCTCACGACCACCATGCGGCGTCGCGACGCAGGGGCTTGCTCATATTCCGTGATGTCGCTG
 CGACGAATCGGGGGATCGGAGGGCTGGGAAAGCCTGTCGGATGCCGGGCGATATTCGACACCTTGCCCC
 AATAGAACC GTTGGGCGAGTGTGAATCCGCTCATATCCACCTGCCACTGCCCCACGATATCGAGTGGAAT
 GTCGATCTGCCCTGCAAGCGCCGTTGCAAATTGAATGCGGTGCGCCGTGGCGCATGAACATCACTTCA
 TCGATCATTTCTCCCGTCTTTCTGTTCCCATCACCCGGCATCGATCCGCATGGAACAAAAATGCCGAA
 GCCAGACGACAGGCTTCGGCATTTTCGGTATATGGCTCAGTCGTGCGAGATCACCGTGCCGGCCTTTGCA
 CCTGCGGAGAGGTCCTCGATCTCGTGATCTCCAGCACCGGGACGCAGGCGGGAACCTTGGTGCCACGTT
 CGTTGGCGAGCTTGACCTGTTCTGTCGTAATGGCGTCGTAGTGTGACGACCACTTCACCACGGAAGCG
 GTAGCCCTTCTTCTGTTGGAAGTTCGCGAACGCCACGACCAACGGGCTGCCGTTCTCGAGGTTGCGGTAG
 GTCTGTCCGGCAGTGCCTCATGATAGGCAAGATGGTTGTGTCGTCGAGCACGAACATCGACATCTTCGGAC
 CGAGGTGGGGATGCCGTCTGGTTACGGTTGCCACCCATGCCAGATTGTTCTTGATGAATTCCTTCAT
 ATCTTCAGTCAGTTGCGCCATGATGTTCTTTCGTATGTATGACTATCACACTACGCGATGACATGGCG
 GCATATTGCGGTTTGCGCTGTGGAAGGATATGGGGAATGTGATACTTCAGAAGACGAAAACAAAAACCCG
 GCATAGCCGGGTTGGTGGTGGAGCTAAGGAGATTGAACTCCTGACCCTCTCCATGCCATGGAGATGCGC
 TACCAGCTGCGCCATAGCCCCAACAGGTGTATACCACATACCTGCCATCGCAGATTGCTGCGATTCTG
 GGAGCTAAGGAGATTGAACTCCTGACCCTCTCCATGCCATGGAGATGCGCTACCAGCTGCGCCATAGCC
 CCGTCTGTTCTTGAACGAACCTGTGCTAGATTACAACATTCTGTTTCGATGAGCAAATCGGCGTGTGCA
 TTGACGCGTTGGGGCGGAGCATATATGGGGATGGCCGGGAATCGATTCCCGGCCATCCCCATATATGCCT
 ACTATTGCTGAGCTTGCGAACCGTCTTCTTCTGGGTGGTGCCTGAATTGGTTCCGTATTGACGGAACC
 TCCCGAATCACCATTGCCGGAATCCGTGTTCTGCGTATCACCCGAATTGCCGTCTGACCAGCGGAACCG
 GTGCCCCAGTCCCAGACCCATTGAGTTCTGGGACCCGGACGACCCTGAGGATCCGGGGTTCGATGAGT
 CAGAGCCTGAGTTCCCGAACCAAGTATTCGATTGCCCGAAGAGGATCCCGAGGATTGTCCATTCTGTCT
 CGATGTGCAAGAATCCTTCGTATGACGCGAATCGGTATCACTTCCCTCTCCGCTCTGCGTGGGCGCCGGT
 GTCTGTGTGGGCGTCTGGGTGGGCATCTCGGCCGGCGTCTGCGAGTAAGTGGGGCTGACCACGTACGCA
 CCACGGAGTCGGTGCCCTTGCTCCCGTCAAGGCGAGGATGACACCTGCGGTGATGCCACCGCCACCAG

ACCGGAAATCAGTGCGACAATCACGGCCACACGTTTGTGTCATGCTTGGTCATCTGCGGGCTTCGTACCAGCC
 TCGGGGTGCTTCGAAGCATCGGTGGCATGGGTTCCGGAGACCACGGTGCGTGCGCCACGGGAGCTATCGG
 AATGTACAGGTGCGATGGTCTGTGTGTCGTCGATATCGGCCGTGGAGTGGTCGCCTGTATGTGCATTGGC
 ATGCGGCGGAGCAACCCCAACCTGTTGTGCGGCATCCTGGAGTTTCTTGCTCGACGCGTCAATCACGTTT
 TGATAGAGCTGGGAAGCCGCACTGGAGACGATGGAGGCCACGGCCACGCCGATTACCGAACCTGCGATGC
 CGATCTTCGACGACAGCAGAAACGATGTCACCGCGGCCAAGGCGCCTGCCAGCAGCTGCGAGAACGATAT
 TCCTTTGAAGAAGTTTTTACGGTGCTTTCAATGTTTCAGATATGGTTGGAGGCGCGTTCGTATCCGCGC
 CTCATAGTTTTCGTCTTCACAGCATAACGCCAAGACTTGAGGTGTCCTGTCAATTCGCTGGCAAAGTGT
 CTGGGCGCTCCCAATACTGTGTATCGGCCAGGGCGGGTCCATGGTTGTAGTCTCCATGATCCACCGGT
 GTCCATGTCGATATCGGCCCTTCTCAGTCTGGCCAGTGCGCGTTGCACATCGAGGTGAGCGTGAAATCC
 GGGTATCGTCGTTGATGCCGAACAGCACCTGCAGCGCGTTTTTCGATGAGCGCGCCATGGGAGAATACGA
 ACAAGTCGGTGTGTCATCGCATTTCATGGGCCAATCATTTCATGGCCTCCATGCTGCGGACACCGGCATG
 TTCGTGGGATTTCGGCGCCATGATTTCATCTCGCCGCCATGCCCGGCACCACGAGTCGAAGTCTGCGGG
 AAATTGGCCTGCAGGTATGCGCCGATCGGCCTTCGAATTCACCGAAATGCCGCTGCGCAACCGTTCGT
 CGGCATGCACTTCGGACCCAGTCTATCGGCGAAGGCATGTGCCGTCTGCATCGAACGTTTCGAGGTGCGA
 GGACACAACGAGCTGGTGCCGAGATGGGTCTGGGAGCACATATAGCTTAATCAGTGAAGTGCAGGACTGG
 TTCACCTGCCACAGCCCGACCTCATCGAGCGGAATGTCGATCGATCCCTGCACCAGCCCTTGTGTCTGTT
 GTATGAGGTGCGGCCATGGCGTGCGTACGGTTCCATTCGTCCGCCGTCCTCTTCGGTATCGGCGTCGCT
 GGACTTGATGCCCCGGCTTCCGGATGCTCCAGTTCGAGGTCAACCGTTTACAATCACGCCACAGGCGT
 TCGAGATTGTAGAAGTCAGTGCCCTCGTCATGCATGATGTGAATGATGAAATCACCGTAGTCGAGCAGCA
 CCCACTGCGCCTCCTCGACGCCCTCCCTGGACCGCGGCTTACGGCCTCCATCCTTGAGGAACAGCTGCTT
 CTAACCTCCTCGGCAATGGCCAGAACCTGACGTTTCGTTTCGAAGCGGAGGCGATCATCATGAGGTGCGAG
 ATGCCGAGTTTGTGCGCCACGTTGTAGGCCACCACGTCCTCCGCCTTCATGCCATCGGCCGCGAGTCGCGG
 CGACGCGCACCGAATTGATGGATTGTTCCAAAGCATTTCATTCACGCTCCCAAGCTGGTTTCCAGTTGT
 CTACAACATGTTGCGTGTCTCGGAGTACACCATCGCGTCGCGCGGGACATCATGTGCGATGACCGATCC
 CGCACCGCTGGTGACACCGTCCCCACATTGACCGGCGCGACGAACAGATTGCCGCGCGCGATATGCACG
 TCGGAACCAATATGGGTGTGGTTCTTGTCACACCATCGTAGTTAGCGGTGATGGTGCCGCTCCGATGT
 TCGTGTCTCGCCGAGATCGGCATCGCCACATAGCTCAGATGGGGCACCTTACTGCCATCGCCGATGTG
 CGCCTTCTTCATCTCGACGAATGCACCCGCCTTTGAACAGTGCCGATCTCGTTTCCCGGACGCGAGGTAC
 GTCCATGGTCCAATGTTGCTTCCCGGCCTATGCGGCTCTCCTGCACGCGGGAACGCTCCACATGGGCCT
 CCGGCTCGACCGTCGCATCGATGAGCGTGGTGTAGGGGCCGACCACAGCGTCATGGGCGATTGTGGTGTG
 TCCCTGCAGGAAGCACCCGGCAGAATCACAGCATCTGACTCCATCTCGACCTCGTCTTCTATCCAAGTG
 GTCTGCGGATCGACGATGGTGACCCCGTCGAGCATCCACTGCCTGCATACACGAGATTGTGCGCCTTGG
 CCAGCGACGCGAGCTGCACACGATCGTTGACGCCCTCGACGCTCAAGGGGTGCGGCGCGGCGAAGGCGCC
 GACTTTGCTCACCTGCCGCGCGACAGTGAGCGCATCCGTCAGATAGAAGTGCCTTGAGCGTTGTGCGCA
 TTCAGATTGGCGATGGCCTGTTGAGCACCAGCGGCATCGAACACGTACACCGATGTGTTACCTCACGGA
 CCGCGAGTTCGGAAGTGTGCCATCCTTCTGCTCCACGATCTTGAGCACGTTGCCGTGCGCATCGCGAAT
 GATGCGACCATATCCAGTCGGGTGTCGTAAGCACGGTGGTGAGCACGGTGGTCCGTACCAGTGTACGA
 TGGTAATCCAGCAATTGCTTGAGTGTGGAGGTGTCGAGCAGCGGCATGTGAGACGCGGTGATGAGCACAG
 TGCCAGAAAGAGGGCCCTGCTCCCCGAGCTGCTCCATCGCGCATTGCACAGCACGTCCCGTACCCGGGAT
 CTCATCCTGTTCCACAATGAGCACAGCGTCATCATAGGAGCGGGCCGCTTCGGCCACTCGCTGTGCCTGA
 TAACGCACGACAACGGCGAGCGTCTCGGGATCGAGCGCCCCGACCGCATCCATGACCCTGTTGAGGAAGG
 TCTTTCCTGCGAATTGTCGACGACTTTCGTTTTCGGGAACGCATGCGCGTCCCTCCCTGCTGCGAG
 GACGATTGCCGCGGTCAACGTCATGGAATGCCTCCAAACCTATAAACGACGAACGCCTAATCCGCGTATG
 CGGACCAGGCGTCCAATTGCTCCCCACCTGGACTCGAACCAAGACAAAGGGTTCCAAAGACCCGTGTGC
 TGCCATTACACCATGGGGGAACGGCGGAGTGACTCCGCCAAGTGTTTCATTATGCCATATGCCAGACTTT
 TCGCCGCCGGTGTGTTTCACATCTGCACAGCGACCAATCAGGCGAACAGGAATCCCTGCCCGTGATGTTT

AGGGTAGGTGTGCAACAATTCGGCCACTGAGCCGTCTCGAATACGGCTTTGATGGCGGAGGAAAGCAAC
 GGCGCGATGGAAAGCACCGTGAGACCGTCCCACCGCTTCTCTCGGGAATCGGAACGGTATCGGTCAGCA
 CCACCTCACGAGCGCCGCATGACTTGAGACGATCAACTGCCGTCCGGAAGCACGCCATGGGTGGCCAC
 CACGGTCACCGACCTGGCTCCGGCTTACGAAGCACCTGACATGCCCCGGCGATGGTTCCCGGGTGTGCG
 ATCAAATCGTCGACCAGAACGCAATCCTTGCCCTTGACATCGCCACGACACGGTTCGCCCTTGCCCTGGT
 TCGGCCGCGTGATGTACGGGTCTTGTGCACGAAGGCCAGCGGACCGCCGCCAGGCGTTGCGCCCACTG
 CTCAGCGACACGGATGCGCCCGGCATCTGGCGAGACGACGGTGACATTGTCGAGATGACCATCGAAACGA
 TCGCGAATATAGTCGACCAATACCGGCATGGCAATCAGATGATCCACAGGTCCGTCAAAGAAGCCCTGGG
 TCTGGGCGCGTGAGATCGACGCTCATCAGCGATCGGCGCCGGCAGTACGCAGCAAATCGAAGACGAG
 ACGGCAGGAGATGGGTTCGCGGCCACGATGCTTCTTGTCTTGACGGGAATAGCCGAGCAATGGGCATACA
 GCGGTGATCGACCTGGCTGAAGCGCGCTTCAGTGCATCGATCATGATGAGCTGTTCCATGATGCTTTGT
 TCACCGGAGTGCAATGACTCTGGAGCACAACACGTGCGCTCCGCGAACGGATTTCGGTGTAGCGCACATA
 CATCTCGCCATTGGCGAAGTCGTAGGCGGTGGTCTCGAGAACATCGATGCCGAGCTGGTCCGCAACGTGCG
 GTGGCCAGCTTGGGATGCGCCCTGCCTGTTACGAGAATGAGATTTTATCGGGTTTCCCTCGAGAATTG
 CACTCACCGTGTCTCAAACGTGCGGTGTCGGTTACGCGTCCAATCATAAATCGCTGTTTCGACTGAGCG
 GCGCGATACCAGAGCCGGTGACGTGCCGCTACTTCGCGTCTCGTCGTAGATGCCGTGCTTGGCTATGTA
 TTGCACCACGCCATCCGGCACCGGTACCACACGGGTTCCCGTTGCGCGCACGTTGACGAACATCGGTG
 GAGGAAATGGCCAGTGCGGGAATCTCCAACATGTCTACCTTGCCAGCCGGCAGCGGGACCTTCGAAGAGT
 AACCAGGGGCGCGTCACCGCCACGAAATGGGCGATGTGCAACATGCGCTCGGCGTCTTCCACCGCATGAT
 CTCAGCGACGGCGTCGGCACCGGTGATGAAGAACAGCTCGGCATCGGGGTAGCGGGCGCGGATGTCTCG
 AGCGTATCGATGGTGTAGGTGACGCCGGGGCGGTCTATGTCGACACGCGAGACGACGAACTTCGGATTGCG
 AGGCGGTTGCGATGACCGTCATCAGGTACCGGTCTCCTCATTGTCACATGCTTGTCAGCTTGAAGAC
 CGGACGCCCCGGTGGGTACGAAAATCACCTCGTCAAGGTGCTAGACCCACGCCACTTCGGAGGCCGCCACC
 AGATGCCCCGTTGTGAATCGGATCGAAGGTGCCGCCATGATGCCGATACGCGCATGGGCGTGCCAGTTGC
 CCCGAGCCGAACGTGCCCCGTGCTGCGAGACGAGCTCCACCTCGCGTTGTGCATAGGGCGACAGCTCGGA
 CATGCTCCGATCCATGGGCGTGGTGCCGTTTATTGCTGCGCCGATCCGTGCCGCGACAGCTTCATCGG
 CATCAAGGGCGGCTTTTTGCACATCCTTGCCAGACCGCTCTCCCCGTTGTCGTTTCATCAGGTGTGCGA
 ATCGATCTTGCCCATGTCCTCATCCATTATCCTGCACCACACGACGGATTTCGCGAATGTGGGCAGC
 AGGAACTTGGGCTGGTAGATGCTGCGTACACGTGCCACTCGTTCCGGTATGCGAATGAGGGTGTGCGTCA
 TGCCGTCGATATCGCCATCCTGTTCCATCGTGCGAACTTGTGACATACTCCTCCATCAGGCGAATCTG
 CTCGTCGATGGTGCGCCGCTCCTCATCGGTGCGCGCGTCCAGGCCTTTTGGTGCTCGTCCGGCCAACCG
 ATGAGCACGGCATCCGCATACTCAAGCGACGCGCGCTGCCCTGCGGTGCAATGCCGTCTCGATCTGCA
 CCACGAACACATACCGCACCGAGGTCAACCGCTCGGCAGTGAGTCGGAGCGCGATGAACGGGTATCCAA
 GTCAAGCCCCACGGGTTGACGGGCGCGTCAGACACCACCTCGGTATGCCGCCGGCACCGTCTTCGCGT
 TCATCCAACCATTCATCCCTTCTGCACTCCGTTTCATGCGCGCACCTGCCATTGCCGTAGCCGACCCA
 TTTCGTCGTCGTCATCTCCTGGAGCCCCATGGGGCTCGTGATGAAGTTTCTGGGTGGAAATACCCAGT
 TCGGCGCCGAAGCCGAACACCCCGCATCCGTGAAACGCGTGAGGCATTACCATCACACGGCGGAAT
 CTATGGCCTTCGTGAAGCGTTCGATGTTCTGTAGTCTGGGAAAGAATCGATTCCGGTGTGATGTGTGGA
 GTACCGGTTGATATGGTCAATGGCCTCGTCGAGCGAATCGACGATGCGCACGCCAATCTCCAATGCCAGA
 TACTCGGTGCCCAATCCGCTTCGTCGGCGGCGAGCAATTGGATGTCCTTGATGTCTGCATCTCCCATGA
 TCCGCATCGACAGCTCATCCGCATGGATGGTCACATGAGCACGTGCCAATGCCTGAGCCATTCTCGGCAG
 GAACTGCCGGGCGATGTCCCTGTGCACGATGAGTTTCTCCGCGCATTGCATACCCACGCGTTGCGTC
 TTCGATTGACCACGATGTCGATCGCCTTGTGATGTGCGCAGAGGAATCGACGTAGATATGCACATTCC
 CAGCCCCGGTCTCAATACCCGGAACGCGCGACTCATGCCACGGATTGAATGAGACCGGTCCACCCCG
 AGGGATGAGCACATCGATATGACCGGTGGCTCGCATCATCGCACGCGCACCTTCCCGGCCATAGCGGTGCG
 ACCGATGCCACAAGTGCCGGATCGAAATGCAATTCCTGCAGCACCTCGTCTATCACCTGTAGCGTAGCGG
 GTTCGTGCGCTCCGCGGCATGGCCGCCACGAGTATTGCCGATTGCCGACTTGAGGCACAGGGCCGCG

145

CCGGGAAGGGGGTGAAGAGGAATTCGATGTCGTCGATGCCGGTGCGTCGAGCATCCCTTCCCCGTTGCG
 GGGTGTGACCACGATGTCGAGTTTCGCTCCGGACATGGCAAGCTGTCCGAGCTCACGGTTCACCTGGGCG
 CTCAATGCATTGCGCGCATCGGTTTCGCGCCTTCGACAACGCCCGCCGCGGGCTATCGCCTCATCTCGCA
 GCCGGTCACGTTCTGTTCCAGGGAATGCAACTGTTCCGGCGACGCGTCGAGATCCTCTACGTCGATCTT
 CGCGCGATCACGCCATTGGAGTACGTCGGCGAGCGTGGGCCCCCAACGCTGTGCCAACTCATTGAGATCA
 TGGATGCGCCCGTTGATTGAATCCAGATTACCTGTCTCACCGTCCGCATCGAGGGAACGGGATAGGGAGA
 ACACGACGTCGTCTATTTAGCGCCTGCCGATTCAAGACGTTTCGGCCAATTGTTGTAATCCCCACCGC
 ATGGATGCCGCGCAACGACTGCACCGCGCCGGCGATGAGCTGACCAACACCGGCTGCGCCTTCCGCACTC
 TCGAATTGCGAGGCATCCAAATATGCCAACGCATGCTCGACACCGCTGGTGATCTGCTCGGCATGTTCTGA
 TGCGGTACGCTGGTCCATGAGTTCTCGAGCTCGCCATCGTGCGGATCCACATGGTCGATGCGTGCTAT
 GGAATCCCTGAGATAGTCCGCCTGCTGGCGCATGGACGACTCCTGCGTCTGCAGCCTGCGCAGCCGCTCG
 CACACACTGCGGTATTTCTCATAGGATTGGTTGAACGATTACGGGGCCTTGTCATCGCGGGCATAGGCAT
 CGATGAATTCACGCTGTCGGGCAACCGAGGCGATGCGCAGTTGATCGGTTTGCCCATGAATGGTGATCAG
 GTTCGACGCCACTTCGCCGAGTAATGAGCGCGGCACGCTTTTGCCACATAGCACGGAACGCGAACGCCCC
 TTCGCCGGCACACTACGCGAGAGGAAGAGCCCATCGTCATCGACCGGAATTCGCCCTCGGCAAGCATGG
 CACGCAACGGATCCCGCTCCCCAGCGCGAAAATCCCCTGGGCCCATGCCTGGTCTGCTCCGGATGCCAC
 GCGACTCGCATCCGCAGTCCCTCCGGAATCATGCGCAATGCGTTGAGTAGCATGGATTTTCCGGCACCG
 GTCTCTCCGGTAATCGCCGTATCGACGCGCGGGAGTGATTGTCGCTGAATCAATCGGCCCCAGGTCTC
 GAAGTTCGAGCTCCTCAAGCATGTTACCATCCATGTCGTCTACTCACACTGCCGCCGTTGGTTTCGCC
 GCCGCGGCATCGCTGAAATCTGCAGCTTACAGTATACCGTGCCACCTCTAGTTGGCCAGGCTGATGCG
 GCTGACGAGCGGCTCCTAGCACTCATCCACCTCATCCCCTTCGCCTTGAGTGAGGTTCCCTGCGGATCG
 GTGAGGAGGCGTCCGTCCGTGTCCTCATGTTTGAGGCGTTCTGTTACGCCAGCCCTCCACCGGTAGAT
 TGAATTTGGTGACCAGCCGTTTGTGAACGGCACGTGCGAGAGCCGCGCCAGTCGGAGTTTGCTGCAGA
 TTGGCGAATCTCCACGCGCGTCCCCTTCGCCAATGCCAGCTGACGGCGCCCATCACAGCAGATCCAGCCG
 CCTGAAGTGAGTCGTATGGATCGTGAATGCACTGAGTGTGATGTGGAACCGATCACAATCGGCCGGGAGA
 ACAGCGCGTGGGCGGCCAATGGCACCATCAGAAGAGCCTGCACATCCGGCCAGATGATCGGCCCTCTGC
 AGAGAACGCATAGGCGGTGAGCGGTTGGGAGTCGAGACGATCACACCATCGCATCCGAACGAGCTCATG
 GCCACTCCATCGATGCCGATGCTCATCTCCACCATCTTGCCGCGGTGCGCACGCTCTATCGTCACATCGT
 TCAAGGCCAGTCGCTCAAAGCCTCGGTGGTCCCCGGCAACCACACGTCGACGTGGGCCACCATACGTTT
 GTCTATCCGGTAATCATGGTCGAGATGCGCCGAATCGCCTCTCGAGCTGGAAGCTTTCGAATTCGCA
 AGGAAACCAACATGCCCCATGTTGATGCCTATGATCGGCACATCGGTGCAATGCACCAAGTTCGCGGCAC
 GCAGAATGGTTCCATCGCCGCCAGCACACGATCTCGTTTCGGGAGGAACGGTCTGCGGCAGCGT
 GCCGAAATCGGGAATGGTGTCCGTGTCTACAGTGTGACATCGAAGCCGCCACGTTTCGAGCTGCAGCAAT
 GTGTCTTGACAATGGTGCCGGTCTCACGCAATTTCTTATGGGTCAACCACAACTGCATGTCGTACCTTGG
 CCATCTTACCTCGAAACGCTCTTCGCATATCATAGCCCAATACATGCTAGGCACCGTTCCTGGAATC
 GGAACGGCAACCGTCACACAGGCTCTCAGTCAGCCCCGAATGAAGTGGTCGATCTGGTCTGTTGCCCA
 TGATGATCAGTTCGTGTTGCGTTTCAATTGCAGATCGTTGGAAGCATATTGGAATTCATGGCCCGGTGA
 TTTCACGCCGACAATCGTCACACCGTACCTGTGATGAATCTTCGCCTCACCGATCGTATACCCGACGAAT
 TGCGGTGGCGTATGGATCTTGACAACGCTGTAGGCGCCTTCGAGCTCGATGTAATCGAGGTAATTGCCTG
 AGACGAGGTGGCCGACGCGCTTGCCGGCGTCGGTTTCGGCGTTGATGATGTGACGGGCACCGATGCGCTG
 TAGAATACGGGCATGTTCTTCGACACGGATTTGGCCAGATGTGCGAGATGCCGCGTCCAGCAGATTG
 CCTGCCGTGATGACGGAGGCTCCACCGAATCGCCGATGGCGACGACGGCGGTGTGGAAGTCGGAGGCGT
 TGAGCTGCTCAATGGCGAGCACGTGGTTCATGTCGGCCTGCACGGTGGGAATCTGCGATGACCATCGGTT
 GACGAGCTCCGATCCTGTCCACGGCAAGAACATCCTGTCCAAGCGCATCGAGAGTCGTGCGACGGCA
 CTTCGAATCGACCAAGCCCCACCACAAGCACACTGCGGTTTTCCGGCATGTTCTCCTTCTTCTGCGCA
 ACACGCGCTTATCTCATCACACCACTATATCCGCCGGTGGGGTCTCTCCCCGTCGCGGAATCGAATCCA
 TCAGCCGACGACTATCTGGCCTTCTGGGTAACGGACCACGTCGAGTTCCTTCGGCCTGCTCACGGCGTAG

GCCAGCGTCATCGGACCCAGCCGCCCAACCATGGCGGCAGCCAGCACATAGAGCGACGCAGGATTGT
 TCTCTGGGCCACACCCACCGTGTAACCAACCCAGACCGAAAGCCGAGCAGGTGTGCAACATGGCATGGCT
 CAACGAAGAGTCCGTGATGAGCATGAGCGCCACCGAGGCGATGAACACCAAGGCGACGCAAGAGGCCGTA
 ATCAGATGGCGGTCATGATCACATGCTGCGGTATTGTTTGTGGAATGCATTGACATCGGTATGGCCGG
 TGAACGCGGCCTTGACACCAGCAGAATCACAGCCAGGGTCGTGACGCGTATGCCACCCGCCGTGCAAGT
 GGAGCCTCCCCGATGAACATGACAATGCTCATGAACACCTTCGTGCACTCCTTCACCCCCGGCACCCAG
 GACAGATCGAAGCCGCTGCTCCGAGGCATCACGGCAGCCACCATCGCACGCCGCATGCGGGTGTCTACAT
 CACCGTCCTTGAATAGGACCGGATTATCCCATTCGACGGCAAGGAACCATATCAGTGACATGAATACGAT
 GGCGAAGGTCATGATCATCGTGATCTTGGTGTGACGCGACCAAGTCTTCGGTGATTGTGTCATGCGCGCC
 GTACGGAAAATGTTGAGCAGCACGGGGAAGCCGAGCGTCCCGCAGAAGGCGCTCATCATGATCGGCAAAC
 CAACGGCCCAATTGTTACGTACAGACCCGCACCATCGGGTGTGAATCCCGCATTGTTGTATGACATGAC
 AGCGAAGAACAACGACTCCACAGTGTGCGCCCCACGTTCCCTTGTTCACGGAGAGCAATCCCGGGAAC
 AGTGCGAAGAACGTGACGACCTCGATGACGAGCGTGGTCATGAGCACCACCTGCAGCACGCCGCGGATCT
 CCGACAGCTTGTGGTGCCGAGTTCATTCGCCGCCAGCAACCGTTGCATGGCTTCAAATGGTGGTTGAC
 GGCCAGGGCAATGAGCGAGGCGAAGGTCATGACGCCAAGCCTCCCATCTGCACCGAGAAGATCAGCACC
 ACCTGCCCCAAGATCGTCCAATGGTCCGTCGTGTTACCACCGAGATGCCGAGGTGAAAGAGCGGAAA
 CCGCGGTGAAGAACGCAAGTCGAGAACGAGGTCTTTTTGCCGGGCTGGGTGGCGATCGGCAGGCACAGCAA
 TGAAGTCGAGACTGTGATGAGCGCGAGGAAGTAGATGATGGTGAGACGACCCGGATGCGAGTTCAGTCGA
 TAGGACAGCGAACGGCTATGAGGATTGCGCTCCTCATAGGCGTTGCGTTCGAAGGTGTCACCAGAGAACC
 ACCAACCGAATCCCTTGGAGGTCTCGGAGTTGGATGCCGATTATCGAACAAGAGATTGGCCATGCGTCC
 TCCTGTTGTCACCGGTCAATTTGCTCTGCGGGCAGGTCTGGGTGCGGGCGCGCCCGCAGCGGTCCATGC
 CGAAAACGGCACGCGACAGCACCTGTTTGCATAAGCCATTGTAGGAACACAAGGGACCAAAGCGAATT
 CACCGCTCATCGAAACAGATGCCTGTCAGGAGGTGTGCCACAACCTCCTCGCAGGAGTCCCGCACCGCCG
 ACGCTCGCCACGTTTTATATTCCATAACGCAGCATATGGAATCACGACGATTGCGACATACGCAGATAGA
 GGAGATATTCAGCATTGCCATGGGTACCTTCGATCGGAGAGGGAGCACTCGCCACAACCTGCAGACCGTG
 TTCGCGCGCACAGCGTTCACCCGTTGAGTGCCTGCTCTCGCAACGACGGATCGGTGACGATGCCGTTT
 TTGCCCCAGTCTCCCTTCTGTCCACTTCGAACTGCGGTTTACCAGCAGCACGATCTGTGCGGGCGGGG
 CTGCCACCTCGGCAATGGCGGCCATCAGATATGTCAGGGAGATGAACGAGACGTGCGAGACGATGACGTC
 CGGCCGATATGGCAGGTGTCGACCCCCACATACCGCATGTTCACTCCGCTCATCTCGATGACACGTGGA
 TCGTCGGCGATACGTGGATCAAGCTGCCCCGTGGCCGACGTGAGCGCGATCACCTGTGCGGCTCCCTAC
 GCAACAGCACATCGCAGAATCCTCCCGTCGAGGCACCGATATCCAGGCAATGCTTGCCTTCAACCGAGGT
 GAATCCCGCTGGCGCGAACGCGTTGAATGCTCCAGCAGCTTGAAGTGCGCCACGCGACACATAATCGTCT
 TCCATGGCCATGTGCACACTGATGGTGCATTCCGGCTGCACTGCGTATGCCGGCTTTGTCTGTGGATGCC
 CGTTGACGTGCACCTGCTGTTTTGATCAGACGTTGTGCCTTGATCGCGATTACCTGTGCGATTGGC
 GACCACGACGTGAGACGCTCTTCGCGCATCCCCGTGTGTTTCATATTCCATATGGGTGTCATGCTGATTAT
 CCACGACACGCAGGCAGGCTCACTCGCCGAGACTGAATTCAGGCAATGCGAATGACGCGACATCCTGCC
 GCTGTCCGAGCTTGCCAAGTCAAAGCGCAGGCCGCCCGCAGCGCATTGACATCGTTGGGGTCGTTACG
 GTGAGTCGCCGATGGGTGAGTGGCCTGCGCTTGCAGCGAGGTTGCCGAGTGCCGGCTTCATCCACGT
 CGATTGTTGGGTATGCCTCATTGAGACCGCGCAGATCACGCACAATGTAGGTGGGGCGCAGATGCTTCGG
 AGCGCACATCAGTTCGGTTCGATTGTCACACCGGTGAGCACGGCCAGTGAGTCGTAGCCACCGCGGTTG
 CCCGCTCGATGTCGGTGTGAGACGATCCCCGATTGCCAGGCTCCTTGCTTTCAGACCGGTTCTGTGT
 CGCCTTGCGCGGAAGTTCGCGTGCTTCGTACATACATGGCCGATTCCGGTTTGCCCGCGAGGCGATGGG
 TTGCACGCCGTGGCATTGATGACTGCCTGAATCATTGACCCGCAACCTGGTGCGATGCCAGCTTCGCGT
 GGAATCGTCAGGTCTCGGTTGTCACGAAATACATGGCGCCGTTCTCGACGGCGAATGACGCTCCGCCA
 GCATCTGCCAAGTCATCTGCGGGAACCATCCCTGAATGACCGCCGTCGGATGATCGCTGGCGTATTGCAC
 TGGTGTGAGGCCGGCTTTGCCACCTGCTCTGCAGGTGTTCCGCGCCACCACCAACACTTTGGCACCC
 TGAGGTACATGCTTGGACACCATGCGTGCAGCAACGACCGACGAGGTGATGACCTGCCAGGGCTCCACGT

CCAGTCCGAAACCACGCAATTGGTCGGCCACGACAGACTGCATCCGCGATGAATTGTTCTGTCGTGTATTC
 AATGGTCATGCCGAGATGTTCCGGCCTGACGAATGCTTTCGGAGGCAAAGGCCACCGGATCCTTGCCTCGA
 TACACGACCCCGTCGAGGTCGAGCAGTGCCAAGGAATACGTCTGGCTCAACGGTGCTTCGGTGGCCTTCA
 ACAATGTCACTCCGTCTCTTCTTGATCTCCTCCTCGGAATCGCCGATCTCGGCGTCTCCTCGTCGATG
 TCGTCTGCGCATCCGTGAGATCGGGATCTGCCATCAGACCTCCTCGTCGCGACGAGTATTGCGTCTCT
 GCATTTAGCTGGTTCAATGTCCATTTCCGGCCCTGCACGCTGCTCCTCGGCGGGGATGCGCGTCTCATC
 GTCCATGTTACACCATCCTCATCGTCAACGGCGCATACTGGGCGTCATCTGGGGTGACACCCAGCTTG
 GCCTGCAGATCCTCGGAAGATCCTCGACGTCTAGTCCACCACGAAGTCATCGTGGTCTCATCCTGTT
 CGACGTGGCATAGCGATCCTCGAGATCGTCAATGAGCTCATCCATCGCCACGGCCTCGTACTGCGTCC
 CGATTCCTCGAGGAAGTACTGCTCGGCCTGAGCGGCGCGCATACGGTATTGCTGCAAGGCCCTTGGA
 TGCACGAGCTTGGACACGACCTCAATGGCCTGATTCCACAATTGAGATCGGCCAAGGCCACCGAGCTAGA
 CCAAGAACATCTCGGCCTTCGCCTACCGGTGAGATGCTTCGCGTCATACCCATGCACAGCTCGATGGC
 CTTCTTGGGCTTGCCGAGGCCACGCTCGCAATCGGCCATGAACGGCAGGTAATCCAAGTAGCCGTTTCATG
 CGGAACGCCGTCTGGAATTCGCGCAATGCAAGCTTGTAGTACCCTGACGATACGCGATCATGGCGAGCG
 TTTCGCGGGCGATGTCGACACGGGACGCTGCTTGGCGGCCCACTTCGCATGGGCTAGGGCGCGGTGCGG
 ATCGTTTCCCTCCAAGGTATAGGCAGCCAGGATGTGCAAGCCGATGTTTTGGCATGCTCCTTGGACAGG
 CCGCGCAGTCGCTCACGCTCGTCTTGTGAGCATGCTCCATTGAGTCCCTTCGGCAGTTTTGGCTCTC
 CCGGGCGCAGATGGTCGTATGGGTTCTGCGAGGGGAAGCTCACCGTCCCATCGGAGTTCTTGCGCGATTT
 TGACATGTACTCATCGCGTTGCGATCGTGATATGCCTGACGATCCTCACGGTTGAACTCGCGACGTTG
 TTGCGGTTGTTGCGGTGCGCATGACGGTCTTGGCGGCGGGTCATCATCGCGTTATAGCGCGGGTTGT
 TACGACGGTCATTGTTATGGCCGGCATGGTGAAGCGGTTCATATCGACGCTCGCCATCATGACGCCCCGT
 GGAACGATGGTCGTTATCATGACTGAATCCGCGATGTTACCATCCCCGCGTTGTGTCGCGATTAAAA
 CGACGATCGCCATCGTTGCGGCGCCTGAAACCACCATACCGCGGCGGTTCATCATCGCGGCGGAATCCGC
 GCGCTCTCCGTTGCCGCGACGGTGCCATCACGGGAATCGCGACGGTCGTGCGGGCTGTAACGGCCATT
 GCCATCCCGACGGAATCACCGTCACCTTCATGGCGGTAGCCGCGATCATTGCGGTTATGGGAGTTGAAG
 CGGGAGCCGGAATTGCCGCCACGGTGGAACCACCGCCATTGCCACGGCCACGGGAGCCGGAATTGCCCC
 TCGAGTTACCGTAGGAACGCCCACGGGAGTTATTGCAATTGCGGAACCACGTTCTGCTGCCATGTTGCA
 CCTCTGCGTAAGAGACGGGCTTCGCCCCGCTTCGTGTTCTAGGTCTAAGTCTAACTGATGCAGGCCATG
 CAAGCCTGTTTTCTTCTATGCGTCAAAAGGCGATGCGGCCAATGGTGTGAGGCACGGCATCAGCTGCGTG
 CCACGACACCGAGGGCCTTCTTGCCACGGCGCAGCACCACGAACCTGCCCTTGAGGAAATCACCATCGCC
 AAGCAACTGCTCCTCATCTTCCACACGCACATTGTTACGTACACGCCACCGGACTTGATCGTCTTGCGC
 GCCTCCGAGATGGACTTGAACAGCCCGGCACTCACACCGGCTGTGCGATCCGGTCTCCGGGAAGGGCT
 GTGCGAACACCTTTCCCCCGCCTCATTCTCGACTTTGAGACCGTCAAGCACACTTCCAGAGTCTCAA
 ATCGATGTGCGCGAGATCGCCGCCGCGGCCGAACAACGAAGCCGAAGCGTCAATGGCCTTGCGGGTGGGC
 TCATCGCCATGCACCAAGCTCGTGACTTCCCAGGCAAGCACCCGCTGCGCCTCACGGGCGCCCGGATTG
 TGTCGGTGGCCTCGACAAGGCGCTCGATCTCGGCCTTCGGCAGGAACGTGAACGCCTTGAGCAGGCTGGC
 CATCTCGACATCGGGACGATTGAGCCAGAACTGGTAGAACTGTAGACGGAAGCATGTTGGGGTCAAGC
 CAGACCGCATTGCCTTCCGATTTTCCGAACCTTGTGCAATTGGCGTGGTGATGATCGGGCTGGCCATCA
 CGTTGACATTGACGCCGCGAACCTTGTGAATGAGATCGAGACCAGAGGTGAGTTGCCCCACTGGTCGGA
 ACCGCCGAGCTCGAGCACGCGATCGTAATGATCGTACAGGTACAGATAGTCGTTGCCCTGCAACACCTGG
 TAGCTGAATTCAGTGAAGGAGATGCCCTCTTCGGAATTCAAGCGACGGGCGACGATGTCCTTCGAGATCA
 TCGTTCCACGCGGAAGTTCTTGCCGATGTCACGCAGGAAGTCCAATACGTTTCATCGTGGCGGTCCAATC
 GTAGTTCCGAGACGAAGGTGACGGGATTGGAGCCCTCTGTTCAAGGATGCCGCCAATCTGGATGCGCAAA
 CGCTCACACCACTGTTCCACTATGTCCTTGGGGTTGAGGATGCGTTGCGCGGACTGACGCGGATCGCCGA
 TCAGACCTGTGGCACCACCCACCAATGCGATCGGATGATGACCGGCTTCTGAAGGTGGCGCATGATGAT
 GAGCTGGACGAGGTTGCCGATGTGACGCGATGGTGTGCGGATCGAAACCGCAATAATAGTGGACCGGC
 TCTCCGTTGAGTGTGTGCGCAAGCCGATCCCTATCTGTGACTGAGAGATCAAGCCGCGCCATTCCAATT

CATCGAGCACGGAATCAAATCCGGCTTCCTTGAAATCGATGACGTGAGCCATACCTATTCTCCTCGTGTG
 TTGTGATCCCGCGATTGACGGGCAGTCTTAGTGTGTCATAGGTTACGACACCTGGAACCTCTATTTGC
 TTAGGGTTTAGCGGCATGGAACGGGAGGGCGACAGGGTCTACGTATGGCGCACAGGGTGTGGCGGATG
 TTGACGATGACTCCTTCGAGGTATTTGAGGGAATGGGTGTGAGGGGGAACATGTGGGTGCGAATCGAGT
 TGGACACGATGTCGTCGAGTTCGAAGTCGGCACGGGCGTTGCGTTGCGCAGTATACGGATGCCGGAACC
 ATGCAGCCTGTGCGACCCGTTGTCTTTCTCATGCCAATCGTACAGGAAGTAATCGTGGAGCAGCGCTGCC
 CGGACAAGCGAACGCAGGTTACATGATGCCAAAGGTGGAGGCGATCTGCGATTTTCACACTCAGACAGG
 CCACGGCGATGGAATGCTCATAGGTGGTCACGGCACCATGCTGCAACGAGTCCCTCTCGATCTGCATCTG
 CTCATGGGAGAGAATATCGGCACCATATGCGTTTACGATGGCATGGATTCCGCCGTCATCAAGCATGCCG
 CCTCCTTCGCCCTGGTATGTGCCGGCATATGCGGCGAGTTGCATATGCGATGCATGCGCTTTTCCAATAT
 AATCGGATTCGATGTAGGTGCGGCGCATGTTGTTGCGAGACAACGGTGTCTGCACATGCTTCCGGACGG
 AAAGGACGCTATGACTGACATCAGGGTTGCAATCGTACTGGGGCGGCGCGGCGCATCGGACGCGGCATC
 GCCGTCAAACCTCGTAAGGACGGCTTCGACGTCGCCGTGGCTGACCTCGAGGGTCAGCGGCAGGAGGCCG
 AGGAGACGATCCACCGGATCGAACAGGAGGGACGCCGGGCATTCTTCGCCCCACCGATGTATCACAGCG
 TGATCAGGTATTCGGTTTGTTGACGATACCGTAAATGAGCTCGGCACGCTGGATGCCATGATCAACAAC
 GCCGGCATATGCCAGATCAAGCCGATGCTCGACGTGACGCAAGAGGAGCTTGAGACGATTTACCGCATCA
 ACCTGTTGCGCATGGTCTATGGTGTGACGGCGGCGCAAGAAGATGATCAAGCTCGGCAAGAAGACCGG
 GCACATCGTCTCCGCATCCTCGATCGCCGGGTTGAGGGCTTCCCATCCTGTGCGCATACAGCTCGACG
 AAGTTCGCGGTGCGCGGGTTCACGCAAGCCGACGCGCAGGAGCTCGCCCCGTACAACATCACAGTCAACG
 GGTATGCTCCGGGCATTGTGGACACACCGATGTGGACGTTTCATCGACGAGGAGATGAGCAAGCTCAACGG
 CAAACCGCTCGGACAGAATTTCAAGGACATGGTCGACACCATCGCATTGAAGCGCTGTGAGACTCCGGAT
 GACGTGGCGGGTGTGGTTTCATTCTCGTCAGTGATAATGCCCGCTATGTGACAGGTGAGACCGTCATTG
 TCGATGGCGGCATGCAGTACCGCTAGCCGGTTCAGCACTGCATACGGCGATGGGGTGGACCGGCAATCC
 GGCCCGCACCCCATCGCCGCTTCATATGCTATCGGTCACTCATTGCTTATTGAGCGAGCCGACGGCCTTG
 TAGGCCATGCCGTCGCTCTTACCTGGAAGAAGCTGCGAAGCTGCTCGATGAGCGTCTTGGCGCTCATGA
 TCTGCTCGGAACACGATTGCGGCGGGTGGCGCCCTTGCCGGCTCGGGCCGATACCGATCCTTCGGTGGA
 GAGCACTTCCGAACCTCCACCGCGACATCCGGTTCGACGAAGCCACGGAATACTCAATGAAATCGTCA
 TCGGAAGATCCCATAGCTCCACCCCTGTTTTCCGCCACCTTGACGCACGCACCGGAAAGCTCATGGG
 CATGGCGGAAGGGCACACCGTTCTTACCAACCATTCGCAATGTCGGTGGCCAACGCGAATCCGGTGCG
 GGCCTCCTTCTCCAGCCGCTGCTCATCAAAGCGCATCGTACGAATCATGCCCGTGAATGCGGGCAGCAGC
 ACTTCGAGCGTGTGACCTGATCGAACACGGCTTCTTGCTTCTGAAGGTGCGCGTATAGGCTGTGG
 GCAGACCTTTGAGCGTGGCAAGCAGGCCAGTGAGGTGCGCTATGAGACGGCCGGCCTTGCTCGGGCGAG
 TTCGGCGATGTCTGGATTCTTCTGAGGCATGATCGACGAGCCAGTGGAATAGGCATCGTCAAGCTTC
 ACGAAACCGAATCCTGGGTATTCCAGATGATGATCTCCTTGACAGACGCGAGATGTGACACCTGCCA
 TGGCCATGACAAATGAGAACTCGGCAACGAGATCGCGACTTGCGGTGCCATCGATCGAATTCTCCGTCAC
 GTTGGTGAAACCGAGCTCCCGGGCCACGGCCACGGTTCCAATCCCAACGTGTTACCGGCGAGGGCTCCC
 GAACCGTATGGGCTGGCGTCCACGCGTATCCAGTCGCGTAGACGCTCCACGTCACGCAGCAACGGCC
 AGACATGGGCTATGAGCTGATGTGCAAGCAGCACGGGCTGGGCATGCTGCATATGGGTGCGGCCCGCAT
 CACCGTATGGCCGGCGTCTTGGCCTGCACAATAAGCGCATCGGCAAGGTTGAGCAGCTGGTTTGCGACC
 ACGCGGGCATGACGGCGCATCCACATGCGGATGAGCGTGGCGATCTGGTCGTTGCGCGAGCGACCGGCAC
 GAAGCTTGCCGCCAATTCGTCACCGGCAATCTGCAGCAGGCCGCGCTCCAATGCGGTGGCTTCGTCCTC
 GTCGTCGTAATCGGCGTGAATTCACCGGAATCCACCTGACGCTGCAGTTCATCCAATGCGGCTCCATG
 CGCTGCAACTCATCTGCGGTGAGCAGGCCTGCACGCCCCAGAGCGCGGGCATGGGCACGGGAACCGGCTA
 TGTCATCGTCAGCGAGACGCCAATCGAACTGAGTCGACTTGCTCAGCAATGCGAGCTCGGGCGAGGGGCC
 GGACGAGAATCGCCCTCCCCACAAAGCCAGGTGATCCTGGGATTGCGGCTTGATGATCGCTCATATCT
 CTCCTTTTGCGAAGACGGCCATGCCGTCCGTGTTGGCTTGGAATACGAAAGAAGAGGCGTTTTACGCCT
 CTTCCCGCATAAGCATTCCATGGGAATGCGCCGTGAGACTACTCTACGTCGTTCTGCGGAATTCGAT

GCCGTTGCCGAAGCGAACATCCCGGGCTGCAGCGACCTTCGTGCGCAGTCCGTAGATCTCGATGAAACCG
 TTCGAGGCATTCTGGTGAAGGTGTACCCGAATCGTAGGTGGCGAGGTTGTAGTCATAACAACGAGCTGT
 CGGAACGGCGTCCCACCACCACGGCACGGCCCGGTGCATGACCATGCGAATCTCACCGGACACATACCG
 CTGGGTGTCAATTGATGAACGCGTTGAGCGAATGCACGGCCGGGAGAACATTGCGCATCATAGACCAGT
 TCGGCCAGCGCTTATCGATGCCGCGCTTGATGCGATGCTGCTACGTTGAGACACATGTTCTCGAGTT
 CCTCGTGGGCGGTGATGAGGGCGATGGCACCAGGTGCCTCGTAGAGCTCACGGGACTTGATGCCCACCAG
 GCGATCCTCGATCAGATCGACACGGCCGATGCCCTGAGCACCGGCGCGGGTTCATCTCCTCGATGGCC
 TGCAACGGCGTCACCTCGCGACCATCGATCTTGACCGGCACACCTTCCTTGAATTCGATGACCACTTCGT
 CTTCGACAGGCGGGAAGTCCGGATCATCGGTGTAGGAATAGCAATCCTTGGTGGGCGCATTCCACGGGT
 CTAAGGAAACCGGTCTCGATGGCGCGACCCACACATTCTGGTCAATCGAGAACGGGCTTCTCGGT
 TGCACAATCGGCAGGTGATGCTCATTGCGATAGGCGATCTCGACATCACGGGTGAGCGAAAGATCGCGAA
 TCGGGCTGATGGCCTTGAGCTCCGGGTCTATGGACTGAATCGACACCTCGAAACGAACCTGATCGTTGCC
 CTTGCCCGTGACGCCATGGGCGATCGTGTCTGCACCGAAGTGGTGCGCCGCACGAACAGATGCTTGGTG
 ATCAACGGGCGGGAGATGGCGGAGACCAGCGGATAGACGCCCTCATACATGGCATTGGCCTTCAGGGCCT
 GCATGCAGTATTATTGGCGAATTCGTGCGGGCATCGACAATATATGCCTCGACGGCACCGCATGCCAG
 AGCGCGCTCCTTGATCGTCTCAAGACTCTACCAACCTGTCCGACGTCCAGAGACACTGCCACTACATCT
 TTGCCTGTGCGGTCTTTGAGGTATGGGATTGCCACGGAGGTGTCGAGACCTCCCGAATATGCCAGCACAA
 TACGGTCTTGTCGCTCATATTCAGCCTTTCACGATTGCAGTTGATATTACAACTATATACGGTCTACTG
 TATATTTATTCATTTTCGACACGCAATCTCACGATCGAGATGAGATTCTGAGCATCCATTTCGGCTCGGCG
 ACCAGCTGTGGTGTATCCGAACAGATGATGAGTATCGTATCGTCGCCGCGCATCGTTCCAGCACCCCG
 TCAATCGAATGCTTGTGATGCCGCTGGCCACATACTGTGCTGCGCCGGCGGCGGTGTGCACGATCACGA
 AATTCGAGGCGTGGGCCACGGAGACGACAAGACCGGTGAGAATCTTGGCAAGCTGTTGCTCACCCCGTCC
 CTGACCATTGATTCAGGCACGGTGGCCAGGGGGACCTGATCGGCCACAGCGTAGGCAATGGTACCGTCG
 GCGAGTCTGGTCTTGCGGGCGTTACCTCATCGAGATCACGGCTCATTGTCGCCTGTGTACGGGGAAGC
 CCTCCCGTGCAAGCAGTTCGACAACCTGCGCCTGTGACGTACACCATTTGTCGGCCAAAAGCTGACGCAC
 CATCTGCAGACGCGTGCACGCGTGTGCGTGGCCGACACCACTTGCGCCGTTGCTTACTCCGATCCG
 GTCTGTTCACTCAACTGCGTACTCCTTAATCTTTCAGCTCAGCAGACTCTCATCACACGCTGCTTGCCG
 ATGAGCCATGTGAGCAGTGCTTTCTGCGCATGCAGACGGTTTTCCGCCTCATCCAGACCACCGACTGCG
 GTCCGTGATGACACCAGTGGTGACCTCCTTGCCGCGATATGCAGGCAGGCAGTGCTGGAAGAGCGCATC
 CGGCTTGCCAGACCCATGAGACGTTCTGTTACCTGATATGGCCAGAACGGCTTCGAGCGAATCGCGTAT
 TCGGCTTCTCTCCATCGAGACCCAGGTATCGGTGAAGATGCAATCCACACCGTCGACCGCCTGCTCTG
 GATCCACGGTCACCATGATGCTGCCACCGTGGTCTCGGCGATGGCCTGGGCATCCTCGACGATCTTCTG
 GTCCGGCAGGTAGCCGTTGCGCCCTGCGACACGCACATCCATGCCGGCGACCGCGCCGCAAGCAGGTAT
 GAATTCGACATGTTATTCGCGGCATCGCCACATAGGCGATCTTCAGATTCTCCAGATTGTCCACGCCGC
 CTTGAACTGCGCCAGCGTGAGGAAATCCGCGAGCACCTGGCAGGGATGGAACCTGTCGGTCAGCGCATT
 CACCACGGGCACAGTGGCGACACGTGCCATCTGTTGACACGGGACTGCTCGAACGTGCGCCACACGATG
 CCGTAGGCCATGCGTGTGACACTTCGGCGGTGTGCGCAACCGGCTCTCCGCGGCCAAGTTGCGAACCGG
 ACTTGTCGATGACCAGGGGGTAACCAACCAACTCAGCCACGCCGATGGAGAAGCTGGAACGCGTACGGGT
 GCTTGGCTTGTGGAAGATACCGCCACACCCTGAGGGCCCTCGAAGGGTCGATGGTAGAACCGATCGGCA
 CGGAATTTTCATGCCGAGTTCGAGAATCTGCTTCTGCTCCTCATGGTTACGTCGTCGTCGCGCAGCATAT
 GACGCAGTTCGCCATTGCAACACTTCCTTTGCTATAGAGATTGGTTACCGATGCTCAGATAATCGTATG
 CGCCACTGGCGTGGGTGCTAGCGTATTTAGTCATTGGGCAGGTGCGAGGGGATCGCAGCCAGTACGT
 GGACCGCCTCGTCAACATCGTTCTGCTCACCACGAGCGCGGTGCGAGACGTAGGGCGTTAGGTGCCAC
 GGCATTGATGATGAGCCCGTGTCTCAGTGCCCAATCCATTGCCGCATGCGCGCAGGGATGTGTGAGCACG
 ATCGCGTTGAGCAGCCACGGCCACGCACGGATTGCAACAGCGGATTGCCGCATGCGCGAATCTGCCGCC
 GCAACTGTTCCCGCGCGCCTCGGCGTTGACGAGCAAATCCTCACGTTGATTACACCGATCGTCGCCAG
 TCCGGCAGCTGCCCCAACGGATTGCCCGCAAGGTGGAACCGTGGGTGCCTGGCGAGAACAGGTTGCTG

AGCTCCTCGCCAAAGGCAATCATGCCTCCCATCGGGAATCCGCCGGCCACACCTTTCGCGAACGTGACCA
 TGTCGGGCGTAATGCCTCCGAGATCGTCGCGTTGGAAGGCGAACCCTTGCCGGTGCGCCCCATGCCGGT
 CTGGACTTCATCCACGATAAGCTTGCGGTGATGTTTCATCGCACAGACTCCTCACACCGGTACGAATTCA
 GGATCCAGCGGCAGCACGCCGGCCTCGCCTTGAATGAGCTCCATGATCACGGACGCCACCGGACCCGAAT
 CTGTGCGCTCGAACGCAGCACGCATCGCATCGAGATCATTGGCCGGCACGAATTCGAAATTTGGCACCA
 CGGTTGGAACGGTTCTCGAATCGCCGGCTTCCAGGTGCGCGAAAGCGCGCCCATGGTGCGCCCATGGAAT
 CCGTGTTCCAGGGCGATAATACGGTACGGCTTATCGGCACCCAGACTGCGGCCATAGAGCTTGCGGAGCT
 TCAACGCCGCTTCATTGCGCTCCGCCCCGAATTGCCGAAATACACATGGGAGCCCTGTGGCGCACCGGC
 GAGTTCGACAAGCTTGGCAGCCAAGGAGATTTGTGGTCTCGTGGCGAAATAGTTGCTCATATGGGCGACC
 TGGGCGGCCTGAGCGGACACGGCCTCGATCCACGCGGGGTGTGCGTACCCAATGGAGTTGACGGCTATTC
 CGGCAAGGAAATCAAGGTACTCGTTGCCATCGACGTCCCAAACATGGGTGCCCTGGCCATGATCGAGCAC
 TCGAAGCGGCGTGCCGAACACATGCATATGCACTTGCTCGTATTCGCCGATCAGTTCGGTGTCATGCGTC
 AGATCAATTTGTTAGAGGTCATAGGAGCTCCTAATTCCATGCCCTCGCCGGGCTCCACCATGGTGCCC
 ACACCGGCGGTGGTGAAATCTCATTGAGAATGGAGTGGCGCTTACGGCCGTCGATGATATGGGCCTGCT
 GCACGCCTCCATCGATGGCCCGTACACAGGCCTCCATCTTGGGACGCATGCCGATTCTAATTCGGGCAG
 CAGATCCCGTAGGTCCTCGACGCCGATACGTCCGACCAGCGAGTTCCTGTGCGGCCAGTCGGCATAACAGG
 CCGTCCACATCGGTGAGGATCACGAGCTTATGGGCACCCAGAGCCGAGGCCAGCGCGGCTGCCGCTGAAT
 CGGCGTTACATTACGACCTCGGTGGCATCGTCCTCGTTGGGGGCCACGGAGGAAACGACGGGGATGCG
 ACCGGCATGGATGAGGTGACGACGGCGGAGGCATCGACCCCCACCACATCGCCACCAAACCGATGTCG
 GTGGGTTCCGCGTCGATGATCGGCTTGCCTGGCTGGCCGAGAACAGGGCCGCATCCTCACCCGAAAGAC
 CCACCGCCAAAGGTCCGTGGGCATTGATGAGCCGACGAGCTCGCGTGACACCTTGCCGGTGAGCACCAT
 GCGAACACATCCATCGCCTCCGGAGTGGTCACGCGCAGGCCGCCCTTGAATTCGAATGAATGCCAAC
 GCCTTGAGCATCTGGGAGATCTGGGGGCTCCACCGTGACGACCACGGGGTGGATGCCACCTGACGCA
 GGAACACCATGTCTTCGGCGAAGCACTCCTCAAGTGGTCGTTACCATGGCATTGCCGCCGTAATTGAT
 CACAATGGTCTTGCCGAAGAACTCCTCCAGCCATGGGAGTGCCTCAATGAGTACCTCCGCTTCTGATCG
 GGCCCCAGATCGGTATGCACATCGAGATGATACCGGGTCCGCGCAACGGGCTTGCCATGAGTCACACTC
 AGCTTCGTAATCCGCGTTGATATGTACATATTCGTGGGTAAGGTGCTCGGTCCACACGCAAGCTTCGCT
 CTCCCCGGCGTTAGGTGATGTCTATGTCGATCTCGCGCAGCGTCATGTCCACCTCGCTCCGGTCCCGG
 TCCGGACCGCCATTGGCGCAGATTCTACGCCATTGATGGTGACTGAGACCTCGTTCCGATCGTACGGGG
 CCACATCGGCGGGAACGGTGCCGAGGGAAGTACCACACGACCCAGTTCGGGTATTGCCGCTGATGGC
 GCACTTGAGCAGGTTGATGCGGCAACCGCTCGCCGACGCCAATGCGGCATCCTCACTGGTCGACCG
 GTGACCCGATTGAATGTCATGGCTGGCGCCCTCTCCGTACCGATGATCTGCCTCGCGAGACTGGAGC
 AACAATCGGCCACCAAGCCGTTGAATTCGTGCGGGTCCGGAGTGATTCCCGAGGCACCCGATGCCAGCAG
 CAGCACGGTGTCGTTGGTCGACATGCAACCGTCCACATCGATGCGGTTGAAACTACGATCGACGGCGGCG
 GTGAGGGCGGCTGACGCTGACCTGCCGAGACGACGGCATCGGTGGTGATCACGCATAGCATTGTGGCCA
 GCTGCGGGGCGATCATGCCGATCCCTTACCATGCCGCCGATGCGGAATTCATTGACCCAGACGATT
 CACCGTTTTAGGCTTCGTGTCGGTGGTCATGATCGCATGAGCCGCATCACTGCCTGCCTGGGCGCTGGAA
 TCCAATGAGTCAAAGGCCTTCTGCGCGCCTTCGATCACTTTGTGAGAGGCGAGAGTTACCGATAAGGC
 CAGTGGAACACACGGCTATCTCCGACGGCTCCACATGCATCATCAACGCGACGGCTTCCGCGGTGCGCAC
 CGTCTGCTGGTACCCTTCTCTCCCGTGCAGGCGTTGGCGCCTCCGGAATTGAGAATGACCGCCTTGAGC
 TCTCCGTCTGAAACCTGCTTGCGGGACCACTGCACGGGTGCCGCACAGAAACGGTTGAGGTGAATACGC
 CTGCCGCGGCATTGAGCGGCGCGTTGTTGACCACCAATGCGACGTCTGCTTGCCTGTCTGCGAGGAGAT
 GCCGGCAACCACACAGCCGCTCGAATCCCTTTCGAATGTAACGCTCACGGTGCCACTCCAATCTTGC
 TCAATCCTGTTGCATCATTCAGTCCGAATGCGATGTTCAACGATTCAATGGCCTGCCCCGCGTCCCCCG
 GTTGAAGTTGTCGATGGCGGTGAAGGCATGCAGTGTGCCGGATCGTCGATCGACAGCGACCTGCACATGG
 GCCGCGTTGACCCGAGTACGTTCTGGGTGGCCGGCATGACGCCGGGATCCAGCACGAAGATGAATTCCT
 GACCTTCATAGGCCTGCACCCAGATGTCATGGATCTGTTTCATCGGTGAGCGCGAGGGCCTCATCGGTGAG

CTTTGCGCTCACCGAGGCCAGGATTCCACGTGACATCGGCACGAGAATGGGGGTGAACGCAAGCGAGAAC
 ATATCGGCCTGTGACGCACCAAGTCCGGCTGCATGGGCGAAATTCTGCAGTATCTCCGGAATATGCCGGT
 GTGTTCCGCCACCGAATACGGCGACGCCGACCCCATGGCCTCCGAAGCGAGCAGATTGGTGCGCTTGAG
 GTTCTTGCCCGCGCCGGAATACCCACGGCCAGATCGGCGACAATGCTCTTCGTATCGACGAGCCCTTGG
 GCAATCGCAGGCTGCAATGCCAGCGTGGTAGCCGTACGTTGCACCCTGGACCGCGATGCGCTTGGCTC
 CGGTGAGTTCGTGCGCTGGCGAACATACTTGCCGTGCGAACCGATTCCAAGAATGAGCTCAGGCATGCC
 ATAGGTCCAATGCTGGTAGAAATCTCCCCATAATAGTCGTCCACGCCTGCTGCCGCTCAAGTCTATGG
 TCCGCACCCAGATCGACCACCACCGCGTCATCGTCAAGCTGCGCCGCCAAGGCTCCTGAGGCTCCGTGAG
 GCAGCGCGAGGACGATCACGTGATGGCCGTGAGCAGCGGTGGCGTAGTGTCTCCACAATGAGATCCGC
 GAGTTGCGGAATATGTGGCTGGTATTCCCCAGTCGATGCCCTATGGACGAATGGCCAGCCACCGCCGTG
 ACCTCGAAGGCCGGATGGGCGGCCAGGATCCGCAACGCCTCCCCTCCGGCATAGCCCGTAGCCCTGCCA
 CGGCAACCGTGATTTTCGTATATGCTCTTCTCCCATGCCGACGTCATTACAACCTTGCCCATATCCTAA
 CAAATATACAGTACATTGCATAAACATGCATGTCTGAATGAAGTCAGAATATGGGCAAAGTTGATTTAAC
 CACTGGAATACTAGGCTTTACGGAATCAGATCCACCGGAACCATTATTCAAAGTATTCAACATTTGGTT
 GAGATATTAGTTGGTGAGACACCTGAGACAAGGAAGTACAGCCACATGATCGTATAGAGCACGTTGATC
 ACCAGCGCCGCCACAGCCAATCCATAGCCTTTCATATGGTAGATTTTCGTGCGACGCATGCTGAACCATC
 CGAAGAGCGCCGCGCAGCACCGGTAACGGGAGAATCAGCGCGAACACGAACGCGATGATGGCGCCCGGATC
 CCAGTGCCCATACAGCGGATTCTGATTGGGGTCGTCCGGGTTTCATCTGGTTCATGCTGTTGATGAAGCTT
 GGGTCGTTAGATTGAATGGCGGCTGGTTTCGTCTCCATTGCCCTGACGTCCGGAACCGGGCTGGTTCT
 GGGTCTGGTACGGCAGTCCGGCCTGCTGTCCGTAGGCATTCTGTTGGGACGGCTGGCCATACTCGTTCCC
 CCGCTGGGCTGGGCTCGCGCAGCGGCTGCCCCAAAGCATCGTCAGTGTCGGATGCCGTAGATATAC
 GGATCATAGGTGGCAGGGAACCTGGCTGTCCAAAGCGCCGTAATCCAGGCCATTGGAGGAACCGACGCTCG
 GCGGGTCGTGCTCGAAACGCCCATCGAGCACCAGCCCCCTCACATCGTCCTGTGCGGCATCCGGATTGAT
 TGCATGGCGTTCGCCGTGGGCGGTGCGAGCAGCATGATGCTGGTCGTTGCGCTGTTGCGAACACCGTTG
 GAGGTGTATGCTGCTCTTGTTCGCTCATTTCCCTACCTCATTTTCATATGCTGGGATGCCTGCCGACGCT
 AAGCACGCAACTGCGCACCAAGTGTAGCCGTCTTCTCAACAATACGCTGTCGGATTTCCTCACTGTCTTG
 CGACGTGAGCGTGCGATCCGGTGACGGAATGTGACGGCATAGGCCAGTGAATCTTGGCGTCCCCCACC
 TGATCGCCCGTGTACACATCGAAGAGCTCGATGGATTCCAGCACATCGCCCGCCGCTGACGAATCGTCT
 CGGTGAGTTCGTGCGCCGTGACCGAGGTGCGCACCGTGAACGCCAAATCCTGCTTGACCGGCGGGAAGGT
 GGAGATCGGCTTCGCCTGAACCGGCTTGTTGCTCAGAGTGGAGAACAGAGCGGTGAGATCGATTTTCAAT
 GCGGCGCTATGGCGTGGGAAACCGAGTGCATCGTCCACCTTCGGGTGAAGCTCACCTACAACACCGACCG
 GGGTGTGCGCGGACATGATGCGCGCGACGCGACCCGGATGCCATTGGGCACCTGCCTTGTACCGTCCGA
 CTGGTCGAGCACGATCTTCGCACCCAAACGATCGGCGATGCGATGCACAGCCTCGACGGCATCCGTCCAA
 TCCACAGGACGCTTGTGCGCCAACCATCCATCGTCTCCTCGGCATTGCCGGTGAGAATGGCCGCAACGTGCA
 GCGGCTGCTCGGGCAACCTGATCAAGAGCCGAGAGCTGATCGTCGCTGGGGCGCTGTGCGCCGGGGAG
 AGCCGGAACGGCAGGAGCTTCAGGATCTGCCAGATATACATGCCCAAGTTCATAGCAACAGATGTTCTCG
 AGACCGCGGTGAGGTTTCTGTCACCGTAGTCGCCAGCGTGAGCAGAACCTGCCGACGAGGAACGGGC
 GATCGCCTGCGAGGGGATTGACTATCTCGACGCTACCTTTTCGACCTCTTCCGAGTCGATCTGGAAGTT
 CTTGAAGTCCGCTTTGCCACGAACGGATAGCTGAGCACTTCCACCAGACCATTTCGGCAAGCTCGTCG
 GCCACCTGACGCTTGTGAGCTGATCGTCGGTGAGTCCGACATGGCCTTCCACCGGGGCATGCGGGACTC
 GTACAGGAATACGGTCGTACCCATAGATACGGGCCACTTCTCCACCAGATCGCAGGCTGCGGTGAGATC
 GGGGCGCCAACTGGGGGCCGTACCCGAGAATTCGCCATTGCCACCTCCGGCGACACTGCATCCGATATCG
 GTGAGGATATCGCTGATCTTGTGATGTCAAGATCGAGCGAGGTGAGTCGCTTACCTCTCCGGCCTTGA
 AGGCGATCGGATGGCCACGCTTGACGTTGTTACGTCTCGCGGGGTGTCGCTGGCCTTCGCGTCACCGTA
 TTTGGTGAGCAAGTCGACGGCCATCTGAGCCGACGCGGTTGGATCTGGGTGTCCACCCCGCGTTCAAAG
 CGGCGGGAGGCTTCTGAGGGAATCTTATGGCGGCGTGACAGCGTGCCACGGTGATCGGGTCGAAATGCG
 CTGCTCAAGCAGAATGTTCTGTTCTCGTCCGTACCTCGCCATATTCTCCACCCATGACACCGGCGAT

GCCGAGAATGCGCGATCCCTGCTCACCATTCTGGGGAATCGGTGATGAGCAGATCCTCGGGATCTAGGTCA
 TGCTTCTTGCCATCCAATGTGACCAGCGTCTCACCAGCCTTGGCGCGACGCACGACGATCGGCCCGCTGA
 TCTTGTCGAGGTCGTACGCATGCATGGGCTGCCCCAGATCGAGCATGACGTAGTTCGTACATCGACCGG
 CAGGCTCAACGAACGCATCCCCGCTCGCGACAGACGGTGACGCATCCAATTCGGCGTCGGGCTGCCCGG
 TTGTAGTCATGAACCGCACGAACATAGAAACGGTCGCATCCGACCACACCATGGATCGGATTGTCGTCAT
 CGATGATCACATCGATGTCGTGCGTCTGACCGTTCTGGTCTCAAGTTGTGGCGCACGCTCTTCAAAGGC
 GGCCACCGGATCGGTGAACTCCGCCCCGGTGGAGTTGTGGAACTCGCGTGCGATGCCGCGATACGAGAAG
 GCATAGCCGCGGTCTGGGGGTACATTGATCTCAAGAATCGGCTCGTCGAGATGCAGCAGGTGCATGGCAT
 CGTCGCCAGGTTGCAACGCCTCGTATTCCTCAGGCGTGAAGCCATAATCGCGCAGCAGTATGATGCCGTC
 ATGGCTGTGCCCAAACCAAGCTCACGTTCCGAAGCGCACATGCCGTCGGAGATATGCCCATAGGTCTTG
 CGTGGCTCAATCTTGAATTACCTGGCAGCACTGCGCCAGGCAGTGTGACGACGACCTTCTCGCCGGCCT
 TCATGTTCTGGCGCGCCGCGAGATGATGCCACGTGGCACCTTATTGCCATGCTCGTCGACGTCGTTGTATTC
 CTCCCCGACATCCACATGGCACCAGTTGATGACCTTGCCGTTCTTCTGCGGTTTCAGGGGTGGCGTCCACC
 ACATAGCCGACGACGATGGGACCCGTCACGTTGCTGGTGTGGATCTCCTCCTCAAGGCCGACCCGCA
 CCAGGTCACGGGCGAGTTCTCATAGGTCTCGTTCTCCGGCACGGCCACATGCTCACGCAGCCAGCCCAT
 ATCTACCATTGGCATATTCTCACTCCCCATCACGAACTGTTCACTGAAACGCACATCACCTCGACGAG
 ATCGTGCATATCGTTGATGTCATGGCGCAGCAGCAACGTGCGCTCCACGCCCACACCGAAAGCGAATCCG
 GTATATATGTCCGGTTCGATGCCGGCTGAACGCAGCACATTGGGTTGACCATGCCGACGCCGCCCAT
 CGATCCACCCGGGGCCGCCCTTCTTGTGCGGGAACACAGATCGAGTTCGGCGCTCGGCTCGGTGAATGG
 GAAGTAGCTCGGGCGCAGGCGGCTCTTGCCCTCCGGACCGAACATCGCGACGGCGAGCTTGTGAGCAGC
 CCCTTGAGATCTGCCATGGTGAGGTTCTTGTCACCGCCAGCGCCTCGACCTGATGGAACACGGGGGTGT
 GCGTGGCATCGAGTTCATCCGTGCGGAACACTCGTCCCGGGCATGCGATGTACAGCGGCACGCCATGGGA
 GATCAGCCCGCGCACCTGATCCGACGACGTCTGCGTGCGCAGCACCATGTTGGAGCCGACAAAACGGGCG
 GCATCCTTGACTGGTTGCCCTTCACATAGAAGGTGTCCTGCATCTGGCGCGCCGGATGGTCCGGACCGA
 AGTTCAGCGCATCGAAGTCGAACCATTCGGTCTCCACCTCAGGGCCGTCCGAAATCTGCCATCCCATGCC
 CACGAAGAAGTCTCGACGTCTCCATGAGCTTGGGCAGCGGATGGCGGGCACCAAGCGGCTTGCGGCGA
 ATCGGCAACGTATGTCGACGTTTTAGCGGGCAGCTCGGCAGCCTCCTGGGCCGCTTCACGCTGGCCT
 CTTCTGTGCCATAGGCACGGCCGAAATCGGCACGCAGCTTGCCCATGACCTTGCCGGCTTCTTCTCTC
 GTTCTTCGCCAACGAGCCGATCGCCTTGCTGGCCCTCGTCATCGCGGAATTTGCACCCGCGTACTTCGCT
 TTGATGGCTTTCAGTTCCTCCATCGTGGAGGCCTGTTGTATCGCGGCGATGCCTTCGGCGATGCTTTGG
 ACACCGCATCGGCGTCGAATACTATGCCTTCTGCCACAAGAACCCTTCTACATCGTGACACATATGC
 AAAACCCTGTTGCGACAATAGAGAAAGTCGCATCATTCGAACGGTTTACCGACTTCCCATTGTTTCAATA
 CGACTCGACATGGCCAACGTGGTGAGCATCACCGCCGCACTGGTCCCAGATTGAGCGATTTCGGCTTTCC
 CGTAGATCGGAATGGAGACGCTCATCGCGCATTCGTCAAGCAGTTCGTTGGTGAGGCCACGGGCCTCATT
 GCCGAACAACACGGCCTTGACCCCTCGACCAACTCTCTGTTGCGCAGCAGATCCGGCAGACTCACCGGA
 GGCTTGCCCTCGGTGCCGTACACGTCTGCGGCCAGCACGGTGGTATCGCGCTCCCTGCACAGGTGGAAGA
 ACGCCCGCTCATCCATAGCAAGCACCGGCAGATGGAACAACGAGCCGGTGGTGGCACGAATCACTTTCGG
 ATTGAATATGTCCACGCAATCGCCACCAGAACGACGGCGTCAACAACGAGCGGCGTCGGCACTGCGGATC
 ACGGTGCCTGCATTGCCGGGGTTCGCGCATCTGCCAGAATGCGGCAAGGAACGGATGGGGAGTCTGCGGAA
 CCCGTCCAAGCAGGTACGGCAGGAATTAGGTTCGGCAACCGCAAACACCCCTGGGCATCATGGGAAC
 CCTGTGCTCCACCTCCTGCGTCATCTTGTGCACATGGATCCGCTCCTCCATCGCCTCACCGGCAAGCTTG
 CCCAACGCGGTTCGAGGCGATCGGGGAATCCGGATCCGCCCATCGGTGCGCACATAGACATCTTGAATGA
 TCTGTGGCTGCCATGTGAGCGCTCGCGAACGCACTGCGGCCCTTCGATGAGGAACTTCCCCGCTTCTG
 ACGGTGCTTTCGGTTGGTGAGTTCGGATATGCGACGGATACGTTCCGCTTGGTGTTCGTGAGTACCTGC
 TGATCTATGGGCATACCGCCAGCGTAGCGCGCGGTGCCCATTTTTCAGAAAGCTCCAGTAAACATACGGG
 AAGATGCCAGCGCGTTTGGCGCTCTCACACCCGACCGGATACGCTATGGGCAAATGCACACCATTCC
 GATATTTGTGTTTTGCATAAGGAGAGTCATGTTTCATTGTGCACAACGCCATACGGAATCTATGGCGCAAC

AAAGGACGCAGTGTGCTGATCATCATCGTGGCGACGATCATCGCCGCCGCTTCGACGATCGGCTTCGCCA
 TTGTTTCAGGCGGCACAACGCGCCCGTGCCTCTGCGTTGGAGAACACGACGATCGGCGCGCAGATCTCGCT
 GGACCGAAACAAGATCATGCAATCCGCGAACTCCTCCGGGCAGAAAGCCTGATATGGGCAGTTTCGGCAAG
 GCCACGTAGGAGAAGCAACTACGCTCGGCGACTATGAACAGTACGCGAAATCCGAGTACGGCGTGAGCA
 GCTCGTATTACATCGAGACGAGTTCCGCGAGCTGCAGTGGACGGAGGAATCGAAGCGGTGACACGAACAA
 CGGTTCCCTCGCAGGAATCCTCAGACAACGCCAATTCAAGAACCGATACCGGGACCGCAGGAGCCGGAACC
 GAGGGCGCCATGCCGAATGACATGCCGCGGGACATGGGCGGTGAGAACGGCGGCCCGGCCATGACCACAG
 GCGACTTCTCGTTGGTGGGCTTCTCCAGCGACGAGGCACTGGTGAACGCACCGAACGGCTCGTTACCAT
 GAACTCCGGCAAAGCGTTGATTATGATGCTTCCGACGGAAATCCTGTGCTCGTCTCGAAGACGCTTGCC
 GACGCGAACAATCTCAAGGTTGGCAGCACGTTCAAACCTCGCCAACATCTCCGATTGGAAGAAGACCTACA
 CGTTACCCGTGGCGGGCATCTATTGAACACGCAGGAATCGAACATGCCGATGGGCGGCCCATGGCGTC
 GAGCGCGAATGACGCCGCCAACGCAATCTATATGTCCGCCGCCACACTCGGCAAGATCGGTCTCGACAGC
 ACGAAAACCTGAGCATCACCGATTGGAAGGGCAATACGCGTGAGACCTCCGCCGCACAGTTGAGCTTCA
 CACAGTCTTCGACGGCAAGGCGGACTACGACAGATTACCGAGGATGTGAGGAAAGCGGGACTCTCGGA
 CGACTACACCGTCTCATCGATGGACGTGCAACAGTACGGGCAGTCACTCGTGCCCATCGACAATCTTTCC
 AAATTCGCAAGGACGATGCTCATCGTCTGCTTTCACTGGGTGCGGTTGACTGGTGATCTCACGATCT
 TCAACATTCGCGAGCGCAAATACGAGATCGGCGTGCTCACCGCCATCGGCGTGAAGAAGTGGAAGGTGGC
 CGCACAGTTCGAGTCGAGCTGCTACCGTTGTAATCATCGACTCATCGTCGGAACCGGAATAGGGGCG
 GCGACCTCCGTGCCGTATCGGATGCGCTGCTCTCCTCGCAGGTGGCTTCGCAACAATCACAGCAGGAAT
 CCCGGCGAGCACAGTTTCGACGCGATATGCAAGGTGCCCCGGCGCAGCACCGGACGGCAACGCTCAGTC
 CGCGAAACCGAATACCGACAATACCCAGGGCGAATCCGCGGTACCGAACGAGGGGAAGCAGCCTCAAAGC
 GGCATGCCGCAAGGCTGACGACGCGATCGAATGCGATTAAACAGGTGAATGCGACGGTGAGCTGGGCGA
 CCATCGGATGGATGTTGCTCATCGGATCGGCGCTCACGCTTCTCGTTCCCTCACCGCGGCGATATTCGT
 GATGCGCTACGAGCCACTGCAGATTCTCGCAGACCGTTTCATGAACGGGAATCCCCACACACCTAACAGAA
 TGGAACATCGATGACCATGCATACCGAAACCGAAACACCCACCACACATAGCGCCATGGCGGACGGCGAG
 ACGTCCGTGCCGATTCTGCAGCTCAAGGATGTGAGCTATGCCTACGCCAAAGGAGGACGCAATGTGCTCT
 CCGACATCAATTACACCTTCCCCAGCGGGTTCGGTGACTGCGATCGTCGGCCCGTCAGGCGCCGGCAAAAC
 CACGCTGCTGTGCTCATCAGCGATTGACCACACCCACCGCGGCGAGGTGCTGTTGAGGGGCACAAT
 CTGGCGAAGATGGACCGGTACTGCTACCGCAGCCGCGACATCGGCGTGATCTTCAGAGTTTCAATCTGC
 TGCCCGGCCTACCGTGCTTGAGAATATCATGCTCACGATGGACGCGAGCGGCAAGAGATTCGACAGGCC
 GAAGCGCGACATTGCACTCGATCTGCTCAAGCAGGTGCATTTGCCGAACGGTATGCAAACGAGCGCATC
 CTGCATCTGTGCGGTGGCGAACAGCAGCGGTGGCAATTGCCCGCGCATTGAGCACGAACCCGCAAGTGG
 TGATCGCCGACGAGCCGACCGGAATCTCGACCTGCCACGAGGACGACATCATGCGCATCTTTATTGA
 ACTCGCGCATGAGCAGAACAAATGCGTGATCATCGTGACGCATTACCCAGATTGCCGAACGATCCGAC
 CGCGTATTCCAATTGAGCAAGCGTGATTGAGATCTGAAATATGCGAAGACCGCACGACATGCGCCGCGCG
 GTCTTTGCCTACTCCCTGCGGAATCGCGAGAATAGCAGTGCCTCAATTCCCATGAAGCTGAAGGTGCCG
 GCGAATGCCGCACTTGCTAATGCAATGACTGGGATGAGCAGGCATCCGGAAGGAACCAATAGTCGCGGG
 CATGCACATGGCTCATGCGCGCATGGCTTCGTGGTGCGGTGCCGCCGAACCCGCGCGCCTGCATCGCAAC
 CGCCAGGGTGGTGGAACGGCGAATCGAGAGCAAGCAATGCGAAGGATTGCGGGAAGAACGATGCCACC
 GCACTGTCTGTCGCCGAGACCTCGCGAACGGCGGGAGGCGGTGAGCGCGGTCCAGTCTGCTGACGACCG
 AGAACAGTCTCATGCCCCGCAAACCGCCATATACGAAACGGTCCGGCAGATGACGGATCTGGCTGAAGCC
 ATCCGCCAGATCGGTCGCATCGATGCCGAGCACCGCGATGATGGCCGGAATACCTATCGCGAGAATGCGC
 AGCGCAGTGGCCAACGCAAGCTCGGCGGATCGGTGCGTGATGTTACCCACCCCCATTGCCACCAGGTGT
 CGCCGCCGGACTTGCCATACAGCAGCACGGCAAGGGCCGAGCCGGGCGCACCGATGAAGATGGGCCAGGT
 GGAACGCACGATGCGCCACGGCGTGAAGCCGATGGCCATGAGCACACGAACTCCAAGCCGAGCGCCACG
 CTTGCCGAAACCCAGTCCAGACTGGCCAGCAACGGCAGCGAGGCGAGGAATGCTCCAAACAGGCGGTATA
 CGGGATTGATTGAGGCAAGGAACCGCGAACGGCTCGCCGGTTGGCCTCCTCCACACGCTCGTTCACTTG

GCTGACCGGCACAAGTGTGGTATCCACCGCATCCTGGGGCGATGCCAGACGAGCGGGCGATGGTCGCAGCA
 ACGTCGTCGCCAAGGCCCTGCGGATTGCGGGTCGGCACGAGCTCCACCACCCGTGCGCCCAATGCGGTGA
 CGAGCTACGGTCGTGGGTGACGACGACGATGCTCACGCCGTGGAACGCAAATCGTGGATCAGCCGCAC
 AATCTGCATCCAGGTACGTCTGTCTGTCCGAAGGTCGGTTCGTGGAACAGCAGCACCTTCGGTGCGGAG
 GCGAGTGCAGGAGCGACGGTGAGTCTGCGTTTCTCGCCACCGGACAACGTGTACGGGTTGACGTGCGCGT
 ATTGGTCGAGATGGAATCTCCTGAGCAGGTCCATGCCCCGTGCGCGCGCCTGCTCCTCAGCCATTCCCGT
 GCGCAGTGGGCCGAGCATGACCTCGTCGAGCACGCTCGAACAGGCGAATTGGTGCTCGGGGTTCTGGAAC
 ACGTAGGATATGCGCGAGGCAAGCTGACGTGACGTCCAGTCGATGGGCCACACCTTGTCGAGTTCGCGTG
 CGAGCCCGTCATGGGCGATGACCTCACCTCCACCGGTTTGAGCAATCCCGCCAGCGTGAGCGACAACGT
 GGATTTCCCTGCCCCATTGCCCCACGAGTGCAGGTGATCTGACCTGGGTGGAAGTCCAGGTTAATGTGT
 TCGGCGATGGCGTTGCCGTACGTCCGATGCCGAGCTCCTTCGTGGAGAGCAGCACTTCGGGCAGACCTG
 TCTGTGGAGCATATTCGGGCTCATCCACCGTGTGGATGCGCGTGATCTCGTCCTCTGCTGTACGATAACG
 CTCCGGCACCCAGATTCCGAGTTCGTTGAAGTCGATGTCGGTGTGTGGAACACCTCGTCAGGTGTGCCA
 TCCGCCACGACCACGGTGTTTCGGAAGTTCGTGCGGGCGATCTCGCTCCTCGCCGCTGTTGCCGACCT
 GCCGGGTGTCGTGGTGCGCTCGAGACCGAGCACCACACACGGTCGATCATGTCGATCCACCGGTGCGC
 GCGGTGCTCCACAAGCACCATCGTCGATGCGTCTGCCGAGCACGTATCCACCGCGCCGACCACCTGC
 ACCACGCCATCGGGATCGAGATTGGCTGTTGGTTCGTGAGCAGCAGCACCTCCGGGCGCATGGCGAGTG
 CACCGGCGAGGGCGAGCCTTTGATTTGGCCGCCGACAGGTGCATGACCGAACGGTCGAGCTGTACACC
 GGCCAGACCAACGGCATTGAGGGCTCATCTACAGTTGCCATGCGAGATCACGCGGCACGTTGAGATT
 TCCGGCCCCAACACCAGTTATCCCCAGTCGTTGGAAGATCGCCTGTGCATCCGGATCCTGCAGCACC
 GCCGACCTTGCCGCGCGCGGCATGCACCTCGATGCCACCAACTCGGATGGCCCCCTCGGTGATGCCGCC
 GTCGGCGTCTCCTCACTGCAACCGGAGGCTCTCCCTCCGCCGATTGTTCACTCGGGATGCGTGGTCTGC
 CCGGTCTCGTACCGAGCAGACCGGCAGCCCCCTCGAGAATGGTGGATTGCTATGCCGGAAGTCCAA
 GGAGCAGCAGATGCTCACCGGCATGAATCTTGAGATCCAGGCCGCGCACCGCGAAATGCTTGCAGGAGG
 ATGACGGTAGCCCCAATGGTGAATTGAGGGCGATGCCGTCGTGGGTTCCACGCAGGCGGATTTCACA
 GTGGTCATAACGTGCTTCCGGTATTCTCAGAGTTGTGGTGCTGAGCTCAATGCTTGGCGCCGCGCACG
 GCACGGCCCCGATGCGAACTGGTCGAGCGTCCGGTTCTGGCGATGCCAAGATACAGGTACCACATGGCCA
 CGCCGGCGACGAGCGCGCCGAAAGCACGGTGGTGATCAAATACACGACGCCGTAGGAGCCGCCAGATC
 GATGGCCTGCAGGTGGGTGAAGAACGAATACCCCCAGCAACCCACGCCGCTCAACGCGCCGGAGAGCACG
 GTGACGCCGAGGTTCCATTTTTGTAGGCGAAGACGGCGAACGCAATCTCAGCGAACAGACCCTGAACCA
 ATGCGATGAGGAAGGTTTCGACACCTCCCCACATGTTGCCATGAGTGCCTCGAGCACGCCGGCGACGAT
 CTCCGCATAGAGCGCGCGCCCGGCTTGCGCACGATGATTGCGGCGAGCGGTCCGGCGAACAGCCACAGA
 CGTTGAAAATACCGGCGAGCCCGGGCACCACGCTTCGAGCAGCGACCACGGTGCCGCTGTGGCGAATG
 CCACGAACCAATAGATGAGCGCGGAAGCCACGCCGATGACCGAGGCGACAGCGATATCGACCACACGCCA
 TTTGAGGACCGGTTTCGTTTCGATGACAGAAGCTGACATGATGTGTGCCTTTCTCAATTCCTATTTGAA
 TACAGGCACGGGTGTAGAGCGACGTCCGTGCGCCGGCATTGCCCGGATTACGTTCAATCGGTGAGGTT
 ACCCTCTCTAGCCGGTGCTTTGCACAGCTCCCGTGTGATGCCGAGTCTAATGCACACCGCTGACCGA
 CGCCGCACGTTCCCTCACAATGTGGGCGCACAGCCTGGGTGCGATGCGACTACCGTCATCTCATTACGCG
 TCGCTTGAACAAGAGGAACAATTGCGATTGGCGCGCCGTCATCTCCATGGCGATGGCGCCGACGAACGTT
 CCGGAGCACATGGCCAATGGCGCCCGGAGGAGGCGAGCATCACCGACGCAACGTCACCAATGGCCATGC
 GCGACAATACGCACAAATCAACGCGCATGCGCTCAATGCTCCCAATCCGGGCCAGACGAGCACCTCCGT
 GCAGATGCCGAGCAGCAGCGCCGGCTTCGACTCCCCGAATGCAGCGCGCGGCGTATTCCAGTCGCCGTA
 CACGCACCGCAAGCACACCGATGACCACGCCGATGAGTATGGACAGGTAGGGAATCCAATGTGTACACG
 CCCCATATACGTGGCATATGGGTGCTAATGCGAGTCAAATCCCTTGTGAGGGAGGTCACGCCAGCCTGC
 CCCGACCCCTCGCTACCCCCAGCGTGGAATACAGCAGGTTGCTCGCCGCCAGACCGAGGCCATTGCC
 TCACCCAGCATTCGTTGTACGTACCCTGAGATGCCGCACGGGGCACCAAGAACGTATAGGCAAACCGTGT
 ATCACGCCCATCATTGGGCCATGAATAGATCCCAGCAACCATCGCCTCGCCATGGCTCGTACTCAGCGTC

GAACCGATTGTCAATCCAAAATCGCGCGCCACTTCCGTGGGCACCCATATGCCCCACATGTCGATTGAGT
 CAGTGGTGGTTCCATTGAGGGCAGCAGCACAACATGCCTGGCGTGACCTCATACGATTGCAATGCGTT
 GTTCGGTGTGACAATGCAGTGATCTCGCCGCCGGCAGCATGGCGCCAGCCTGCGTAATTGCACCGTCG
 GTGGTTGCGTCAATCGGTGCGAGGCGCTGCCGTGACAGTTCCGCCGATCACCGAATCCACATCGGCCA
 CGGCACGCACCCGCGTCAGCGACTCACACTCCATGGCCACCACAGTGTAGGCCTCATAGCCGCCAGCAG
 CACCCCGCCAGCAGCACTACGAGGAACAGCGCGAGGGCATGCGCCGTACCGCTGCCGATGTTGCGTATC
 GCCTCCGAGAATATTGACCTGAGCCCCATGCCGACTCTCCCTCGTCCTCCGCGGGCGCATAGCAAGCCAG
 ATCTATTACGCGCGCAGGCGTCCCTCGTGTGCGGGTTCATGCGTCGCCACCAGCACGATCATGCCCTGGTT
 CGCGAGGTTGCCAAGCACATGGCTCACCGAATGCGCGGTCTCGTGTGAGCTGAGCTGTGGGCTCGTCC
 ACGAGCAGCATGTCGGGTCTCGAGCATAACGGCCCGCGCCAGCATGAGACGCTGTGCCTCGCCGCCGACA
 ATTCGCTGAACCGACGGTCTGCCGCATAATCCAAATCGAACAACCTCATGGCTTCCAATGCCTGCGGTTG
 TGTCTGCCGCCGGTCCATGCCCTTTGGCGAGCAGCGGGAACACCACGTGATCGAGCGCGGTGCGTTGCGC
 CACACCCACCGGTTCTGGAACACCCAGCCGTTCTTGCGATGCCCTCGCGTTCACGCTGCCTGCATAT
 GGTTTCTCCAGCCCGCCAGAATCGACAGCAACGTGGACTTCCACAACCGACGGCCCGCAGATTGCGG
 CTGTCGTTCCCGGTTCCACACTGAAATCAAGATGCTCGAACAATAGATCGGTGCCTGGAAATCTATGACC
 CAGATCATGCACCACAGTCTCATCACATTCACCTCCCCACGTTACGAGCAGCGCAGGGTACCCAGGCG
 CGGTCCAATCAGCACGCGATCGACGCCCTCTCTCCACCACTCGACGGCTGCACCAGCGACGCACCGAGT
 TCACTGGTGATGATGCGCACCGGTACGACATGGGGATTGTGAACGTGCCGGTGGCGATGCATGCCGAGG
 TCCCATTGATGCCGAACACCGAACCGACCGGCACGCGTAGGGTCTGGATCGCCTTGTTGAGCGTGAGCTG
 GGTCCATGCCGGCGGCGCGTTCCTCAGCGCTCTTGCTTGGTAACCTTCGGTGGCTGCAATCCGCTGCAG
 CAGTTCGCCGTCCGTGATGTGCGGTGGTACCGGGCGCCAACGGGGCAGCCACGCCGAATACCGTGAGCGGG
 CGCCCTTCATCGGAAGGTTTGCCACCGCGGATCGCCAGTCTCACTAGCCCTCCCGGCACGGTGCCCAACG
 GCGTCCCGCTGCACCGCGCTGCCCGAGTGGCGCTCCACCCCTGCACCTTACCGAATCCGGGGGAAT
 CCACATCGTGTCCGACAGCCGAGGTTTCATGTCGTCTTCGCCAGCGCCATCCGAATTTCCGGCGTCCACC
 ATGAGCTGGCGCCAGCCATTGCCGGTGTTCGGTGTATTACCGGATTGCGGCACGCTGTCGTATCCGA
 GCCGTGACAGTTCGTGTTGAGCGAGCGCACATCTCGCCGCGGTGCGCCACCTTGAGGTGCGGGTAGAG
 CGGTGTTGCGGTGTGAGAGCGACTACCGTGCGGTGTTACCTGATAGGCGCGAGACCCGGAGCGCAGC
 TCGCCGGCCATCCAGTTCTCGGTACGGTTCGGTGGCATTACCGGGCAGCTGCCGGTGGCCGCGATGG
 TGGGCACCACATTCACCTGTTGCGTGCCGGAATACTCCTGCGAGCTTGCAAGCGCCGATTGACGGTATG
 AGGCATACCGAGCATCGTGGGAGCCCGATCGGGCAGCCAGAGCGCGCATGCCCCCTGTCGTGAGCGCGGC
 CGCGGTGATGGCGGCGAGCAGCACCCATACCACTGCGGTACTGCGACCGCGGGTCTGTTGCGGCGGTGGC
 CTTGTCCTTCTGCTTCATGTTTCTCACATCCTCGTCGATATGGCCTGATTCAGCCTTACATGGTTT
 GTCTCCGTTTCGCAACCTGTCTACACGTTTTGTTGATGTGGTTTCGAATGCGGCGCACCACTATCCTCT
 AAGACGCGCCACGGCGTTTTCTCAACAAAACACGCAGATTGTGGCACGCATATCGGGTGCTTCATGGTGGA
 GAGACTTAGGATGGGCATTTGCTTGTCTGACACGTATCAAAGCGTTGCGATAGACATCTTACCACCTT
 GGGGAAGCCGAACATCGGCCATAGTTGATGCATCGTGTGGCTTTCGTTCTGCAAAGGGGCATGAATGA
 AGAGAACACGCAGCATACCATCTTTGATCGCCGTATCGCATGTGCTCTGAGCATATCAGCTGCTCGGG
 GAATGTCTCCAAGACCGACGACAGCATGGCGGGGGCCGACACGGGCAAGTTCGCAAGTAGTACAACAGAT
 TTTATCGACTCAATGTTGAACAATAGACAGTATGGCGAATCTCAGAAGAAAGTGCTGCGCACCGCGTTGC
 AACATGATGGGAAGATCCCGTATGCGGCATACAGCACGGCGTGGAATCCTATAGGCAATGCCTAATGGA
 GCGGGGTACACCAAGCCGCCGAGAACAGAGCAACGGAGTATATTCGACCCATCTGCGTTTCTCCG
 AAGGCCTGTCTGACGCGCAGAGCCGGAAATTGGACGAGGACATAGACGAATGCAAGGATCTGCATGTTT
 TGCCATAGACCTGGGGCATCAAACCCAGCTGGGCAATCCCGAATTCTACGGAGATCCGGAGGTGGCGCTG
 ATCGATTGCCCTCACCGCGGGAATCTGATGCCAAGGATTACACGATCAACAAGTATTGGCTGCAATTCG
 AGGCGTATATGAACGGCACCAAGGCAGGTAGCGTGCCTGACGATTGGTTACGCTTCGATTTGAATGACAG
 CGCCATGCTCACCTGCCTTGATCGGACAAATCCCCGCTGCTGCAGACCAGATTGGAGGCTTGAAGCCA
 TTCGGGTGACTCTCAAATTCCTCCCTTACTGCAACGGGATCTCGACGGTGCCGCTCCATCCACCATCG

TCGGCATCATGCGAGAAGTCGCCGCCATCGAGGTGATGAGCGATTGCAGCGAGCGCAAACCGTTGCCAC
 CGCCGGCCACCGACTGCTCGCCGATACCATTGGCGTAGCGGATGCATACGTGCGATGAAGACAGCGAGAT
 CGAGACGTGGTATGGGCGTGCGGTCTCGGCATGCTTGAGCATGTTCTGTATAGAGTCATGACAGATGAGG
 CTCAACAGGCCGCAAAGTTCGACGAATGCATGTTTGATCCTGTGCCGATTCCAACACGGTCTCGCCGG
 AGAATCCATGGTCATGCAGCAGCCTGTACCTGCGGCGGCTCCCGCCGCAACAGCGCCACCACATTCTC
 CGGCTCGTCGCCATTCTTTTTGAAGTCGCCGTCGCCGCGCAGTTGGGTGATGATGCCGCGAAGGTCCGCG
 AGTGCGTTCTGCGTGTAATCGGACACACGCCGCCAGCGTTCCTCGTCGGGCACGCTCTTGTCGACGGCGT
 GCAGCTGCGTCTCCATCGAGATGAGCGCCAACTCCTGAGACAATGCGTCGTGCAGATATGCGGCCAGATA
 CTGGTTTGCTCGAGTTGCTGAGGCGGCTTCGACCATCACGCTCTACGCATGCGCTCCATCCGTGCG
 TGCTCCCATGCCATGTATCGGCCGATCGTCGACGCCACGGCATAGATCATGCAGAACGCCAGGCACCCGT
 AGCCGGTGAACGATCCTGGTCAATCATCGTTTCTAGGCAGGTGTACGACATCATCAGCAGGCATAGTGC
 CGCGGCGATGCGATTGGACGTCTTGAGCAGATCAGTATCACGGCCAGGAACATGAAGTACGATGTGAAC
 TGCGCATACCCGAAATGGCGTATTGCGCTACGCCATTGAGCAGAAGCAGTGCGACCGAACACCAGACCG
 GTGACCAGTAGCAGCTGATGGCGAGCGCTGCGCAAGCATAAGTACACTGATGAACCACCATTGTTTGG
 TGGTGTGAACAACCAGACATCGCATTGAAGACCAAGGAGAATGCCGCGATGATGAATGCGAGGAATGGG
 TGGGCGATGTTCTTCAGGCGTTTCTGCATGGTGAACCAGATGCATCAGCACCAACCCAACGCATGCATC
 CAAGCAGGGCACTCCCTTGTTGCCATTGCGGCCATTGTGGTCGTTGTGGTCGCTAGGAGAACATTGACCC
 GGAAGACCAGACCATGTGCGCGCACACCGGTGACCCGACCTGCGTCGAGGCTGCGAACAACACCGAAAC
 CACCGTGATAACAACGACATGGCGTCTCCTCATTTGCCGCTACAGGGCATGGACTTATGCTCTGCC
 AGTTTATCAAGGAGCAGCGCTCGGCAACGACGTCCTTCTCAACCCTGACACGCTCACGGATTCTGTGG
 GGCTGTGCGCGTTCGAAATCGGGTCTCCGGGCCGGTGACCAACACCTGCGCGTCGGGGAAAATCTTCTG
 CAGTTCGGGAATGAACGGGATGGAGCCACCCTCCCCCTTGTTACCCGGGTGCGATGCCGAAAGCCTCCTTG
 AGCGATGTGAGCGCGTCTGCGTGGCTCGCAGTCTGGGTTCATGGCCCAGCCATACCGGCTTCCAACG
 GTTCGACGTGCACCTCGGCGCCGAAGGGCGCGTCTTCTCGAAGAAGTCCACCATCGCGTCCATGGCCAC
 GTGCGGGTCTGTTGCGGCGCCACGCGCAGGCTCACCCGGAATGTGGTTTCGGGGCTGATCACATTGAAT
 GAGTCCTTGACGGGTGGGCGTCGAAGCCGATCACCGTGGCGCTCGGCTTCGTCCACAACCGTGACGCCA
 GCGAACCGGTGCCACCAACGTGAACGAGTCGACCACGCCGGCGGCCGACGCATGTGCGCCTCATCCAG
 ATCGCGCTGCAGGCCGCCGATCGGCTCGCCCTCCATAAGCCCCGGGATTGCCAGTTGCGCCTTCTCGTCA
 TACATCTTCGCGATGAGCATCGAGGCCAGTGTGTTGCGCTCGAGCACCGGGCTCCGTAAGTGTCCGAAT
 GCACCGGATGCCCCAGCACCTTTACATGCACGTGCGAGGTGGCGTTGCCACGCAAGCTCGTGGTGAGCGA
 CGGCACATCCGGCGCCAGTTGCCAGAATCGGCGACGATGATCACATCTGAGTCGAATTCGTGCGTATGT
 GTTCGATGAACGGGATGAAACTCGCCGAACCCATCTCCTCCTCACCTTCGATGAACACCTTGATGTTCA
 CGCCAAGCTGGTCGCCAGAGCCCTGAGCGCCCCGTAAGTGGATCGCGATGCCACCAGCGTCATCGCAGGC
 GCCGCGGCCATAAAGCCTGTACCCCTCAATGTGGCCTCAAAGGGTGCGGTATCCCATTCCTTCTCGTCG
 GGCACAGGCTGCACGTGATGGTGGGCGTACAACAGCACGGTCGGGGCGTTCGGATTGACTTCAGAGAGC
 CGATCACCTCCCATGCGCTCGGATTGCCGTCTTGTCACGCGCTGCACAGCCTTGGCGTCCACGCCAC
 CTCGCGAAGCTTGTTGCGCCACATATCCGCCGATTTGCGCATATGCTCCCCATTGATGCCATGCGCGGAG
 ATGGGACGCAATGCGATGCGGTCTCCACCACGCCGAGAATCTGCGGCCAATCGGCGTCCACGCGTGCGC
 GAATCTGATCTGCTGTCAAAATCATGTCCGTCTTTCGAGGATTCCAAATTGTGTGAAATCCGGTTCCG
 CAACGCCATTGTAATCGGCTTTCACGATTTGCGCTCGAGAGTTGCCCCGTACCCTAGCAGATTATGGC
 TTTGTTCAAGAAGAAAGAGACGGAAGCAAGCAGGACGTGGCTCAGGCCCTGCGGAGCCGACCGTGGGC
 AAGGGACGCCCCACCCCAAGCGCAAGGATGCCGAGGCAAGGAATCTGCGCCATTGGTTCCCGAGAACA
 CCAAGGAGCAGCGCAAGCTCGCCAAGCAGAAGCTGCGCGAGCGTGAAAACCGCGAGTACGAGGCGATGCG
 CACCGGCGACCTCAACAACATGCCGAAGGCCGAACGCCTGCCATGGCGCATATACACCCGCGACTACATC
 GATGCGCGTTTCAACATCGGCGAATACTTCATTCCCGTCGATTGGTCATGCTCGTCGCTCGGTATCT
 TCACCGTGATCTTCCCGTCACCGCTCGTGTGCGATTATCATCATGACATTGCTATACCTGTACCTGTTGCG
 CATCGTCATCGACGAGGTGGTGATGTGGCGCAAGCTCAAGAAACTGCTCATGCCAAGTACGGCGAGCAG

TCGGTGGCACGCGGCATGCGCACCGGATCCTATGCGTGAGCCGTTCCATCCAGTTCCGCCGCTGGCGCC
 TGCCCAAACCACGCTATGCCAAGCGCGGGCATTTCGGGAGTAGTCGCACCCTATCCGAGACATACAAGG
 AGGGGAACGCAATGCGTTCCCTCCTTCATTACGACCAGCCTTGACATGCCACGGAAAGTGTTCCTCA
 AAGAGATCCCCGAAGCACCTGTTGCACTCTTGCGCATGCGGGCTGGGCGAGTAATCTGTATGCAGCGT
 GCATGACGGCCAATGTCGCCGTGCATGGGAACAAACGAAACAGGAACGAAGCGTATGACGAGTGAACATT
 ACGACGTGGTAATTATCGGGCGAGGCCCGCGGCTACACAGTGGCGCTGCGCTCGGCGGAACTGGGCAA
 ATCAGTGCTGTTGGTGGAACGCGACGATGTGGTGGGTGGCACATGCCTCAACCGCGGTGCATTCCGTGCG
 AAGGCACTCATCACGGCAACGCGCACCATTTGACACGATACATCGCGGCGAACAGATCGGCATAGACTGCG
 AGCTGCAGGAAATCGACTTCGGCAAACGCGTGCCTCCGCGATGGCACGGTCTCGACGATGCGCGACGG
 ACTGCTCGCGCTGCTCACCTTCGCGGGCGTTTCATATGGTGCAGGGCATCGCCTCGGTTGTAGAGGACGGC
 CATGTCCATGTGAGACCGGCACAGGGCGGGCAAACGATCCGCATCCGCACTGCAGACGGCGATTTCAAGG
 ACGGTGGGCAATCTCTGACGTCACCGCAGGCGATGTGGTGATCGCCACCGGCTCACGGCCGAAACCGCT
 TGATGTGGCGCCGTTCAATCATGTGCTCATCGACTCGACGAGAGCACTGGCACTCAACTCCTCCACAC
 AGCGCCGTGGTGATTGGTTCGGGGGCCACGGCGCTTGAATTCGCGTCGATGTGGAATTCGCGAGGAGCAG
 ACGTCACGCTCATCATGCGCGGCGACATCGTGCTCTCCGCTCCGACAGGCGGGCTGCGAAGATACTGAT
 GCGCGAACTGAAGCGACAGGGCATCACGATCGTGACGAACGCTGCCATCACGGCGGTGACACTGGGGAG
 AATCTGGGTGTACCGTGCATTACACGGACGCGACAGGCAACGGGCGAGGAGTATTCGCCGAGTGGGCGC
 TCGCAGCCATCGGGCGTGTGCCGAATACCGACGGCGCATGGTTCGCGAAGGCATCGATTGAGCTCGATGA
 GAACGGTTTGGTGAAAACGGATGCCTACGGCCGACACAGCCGGAACATGTGTGGGCGTTGGGCGACATC
 ACCCCAGGGCACCAACTGGCACACCGTGCATATCAACAAGGCTATGTGGTGGCCGAAACGATTGCCGGAC
 TCGATCCCTCCCCGGTGGACGAATACACGATCCCAACCGTTGTGTTCTCGAACCCGGAATTGCCTCCGT
 CGGCTACACGCTGCGCGAAGCCAAGGCCGACACCGAGCTCGTCGACGTAACCGAAACGCTCATCCCGGTC
 ATGTGCAACGCGCGCATGCTGATGAGCGGGGCATCCGGTTCAGTGTGCGTGGTGAGCGGGAAGAAGTCCG
 CAGATCAATCGGATGACGTTTCATGTGCTCGGCGTGCATATCGTCTCCCCGACGCCAGCGATCTGATCGC
 CGAGGCACAGCAGATCATAGGCAACCATGTTCCATTGAGCGCTGCCGCGCGCAACATTCACCCGACCCG
 ACCTTCAGCGAGATGCTCGGGGAAACGCTGCTCAAAGCCGATGGCCGACCGTTGCACACCCGCTGACCCC
 TCGCCGGATACGCAACCGTCACATTGGGACAGCGCATGCTGATACAGTAAATACATTGCCCGTATTCTGT
 TTGAAACAAGCTAGAGAGGGATACATGGCGCAGCAAGAGAAGTCTGAGAAGCCAAAGAAACGCGGAATGT
 TCGAGCAGATCGTCACGATCTACAAGTTCACGGCAGCCGAGGACAAGGCGCTGCCATGGATACCGGGCGC
 AGTGTTCGCCGCCCCGATCGTCGTGGGCATCATCTGCGGCATCGTGTTCATTGGGGTTGGGTCTCGTGG
 ATCAGCTGATGATTCTCGCCGTGATGATTGGATTGCTGCTGTTACGATCGTGCTACCCGCCGTGCCG
 ACAATGTCGGGTACAAGCAGATGGAAGGCAAGTCCGGTGCCGCGATCAGCATTCTCGGCAACATGAAGCG
 CGCCGATTGATTTCGCCGAGGAACCGGTGTGGGTGACCCGCGTACCCGTGACGAGTGTGGCGCGGC
 ACCGGGTATCAGGGCATCTACCTGATCGGCGAAGGCAATTACGGTCGCGTATGACAGGCGATGGACCGCC
 AGGAAAAGCAGATCAAAGGCGTGACTGCGGGTTCGCATATTCCCGTCTACCGCATCTGCGTGGGAGACGG
 TCCCAAGCAGGTTCTGCTCAAGGATCTGCGCAATACGGTGCTCAAGAAGAAGACGTACGTGCCGAACAAC
 TACACCAATCCAATCATGCGCAAGCTTCATCCGCGCCATCGTTTCGCACTCTCAAACCGCAGCTCATCA
 CACTGAACGACCGCTTGATACACTGCAGCGCGTAGCGGCATGGGCATTCCCAAGGGCATGGACCCGAT
 GAAGACGCACAAGGTGAGCCGTGCGCGGATACGCGGCAGGTGAGCCATTACATTGACGATCCCGGCCA
 TCTGGCCGGGATTTCTTTTGGGCCTTCGGCTCCGTGAGGCATGCGAATCCGAAAACCGGCGAGCCCCGA
 GAGTGGCACGGATTTGGAATGTGACACGGAACAGCAGTGTCCACTATTTGAAAACCATTTGAAAACACAA
 CGTTTTCGAAGTGTTAGTCCACGTATGAAACATGTTGTTAACTCAAATTACGAGTGGGCGAAATGCTAGT
 CCCTATGCTTGTGGAACGTAAGCAACATCGTGAAAGGAGCGGTCCCGTGACCCCACTCAAACCAAGGCA
 GACGCCGAAGCTCTGCTCAATCAGGAAGGCATCGAATATGTTTCCGTGCGCTTCACCGATCTGATTGGCG
 TTCAGCAGCACTTCACGGTTCCTGCCAGCGAATTCCTCAAGGACGCGTTCGATGAGGGCATGCCCTTCGA
 TGGCTCCTCCATCGAAGGTTTCCAGGCCATCAACGAATCCGATATGAAGCTCGTTCGGGATATCGAGACC
 GCCTTCGTGACCCGTTCGCAAGCACAGACGCTCGACGTCGCTTCTCGATTGTGACCCGCTACCG

ACGAGCCTTACTCCCGTGATCCCCGCCAGGTCGCCGCGAAGGCCGAGGCATACCTCAAGTCCACCGGCGT
 CGCGGACACGGCATCGTTCGCTCCCGAGGCCGAGTTCTTCATCTTCGACAAGGTGCGCTTCGGCAACGAC
 ATGCGCGGCTCCTTCTACGAGGTCGACTCCATCGAGGCACCGTGGAATTCGGACTGGACGTGAGGAAG
 ACGGCACTCCGAACATCGGCTTCAAGAACCGTGTAAGCGCGGTTACTTCCCGGTTCCACCGGCCGACCA
 CACCCAGGATCTGCGTGACGACATGGTCGCCAACCTGCAGAAGGTCGGCCTCATCCTCGAACGTGCACAC
 CATGAAGTCGCCGGCGCAGGCCAGCAGGAGATCAACTACCGCTTCAACTCCCTGCAGCATGCAGGCGATG
 ACCTCATGAAGTACAAGTACGTCATCCACGAGACCGCCGCTCTCGCAGGCAAGGCAGCCACCTTCATGCC
 CAAGCCGATCGCAGGCGACAACGGCACC GG CATGCACTGCCACCACTCCCTGTGGAAGGACGGCAAGCCG
 CTGTTCTACGATGAGAAGAACTATGGTGGCCTCTCCGACATGGCCCGTTGGTACATTGGCGGGCTGATCA
 AGCACTCCTCGTCGGTGCTCGCCTTACCAACCCGTCGCTGAACTCCTACCACCGTCTGGTTCGGGGCTT
 CGAGGCGCCGGTTAATCTGGTCTACTCCGCCCGCAACCGTTCGCCCGCATCCGCATCCCGCTCGCAGGC
 ACCTCGCCTGCCGCAAGCGCATCGAGTTCGAGCGCCGGATCCGTCGTGCAACCCGTTCTCGCCTTCT
 CCGCACAGCTCATGGCAGGCCTTGATGGCATTCTCAACCACATCGAGCCGCCGGAGCCGGTCGACAAGGA
 TCTCTACGAGCTTCTCCGGAGGAGCATGCCGGCATCAAGCAGGTGCCGTCTCGCTCGCCGAGGCCCTC
 GATGCGCTCGAAGAGGACCATGACTTCTGACGGCCGGTGACGTGTTACCCGAGGATCTCATCGAGACGT
 GGATCGACCTGAAGCGCGGCGAGATCGATCAGGCTCGCCTGCAGCCTACTCCGCTTGAGTACGAGCTCTA
 CTTCCACATCTGATTGCGCGAATACTGGCATTTCGAAGGTGGGTGCGCATACGTGCACCCACCTTTTCCG
 TTATGCGGACGGGCATGCCCTGCAAATTCGGGGCTTGTGCCTATGATCGATGTAGACACGGGGGCTTGCT
 TGGCAGGCTGAGATGAAGCGAACGCTTCGACCGCATGAACGTGAACCGGATAATGCCGGCGCACGGACGT
 CGTATTTCCCGTGTCTTCGATATCTCAGAAAGGCACAATATGATCTACCCATCACAAGCAAGCTCGCGC
 AAGTGGCGTGTTCTCGACATCACCGTCACCTCGGTGATCGCCGTGCGATCCGGTGTGGTGTCTGGATGT
 GGGACTGGGTGTGCATGGCACCCTCACATTATTCGAGAACATCACACCCGGCTTCGAGGGACTGCTCAA
 TGGATTCTGGCTGTTGCGAGGTCCCTTAGCCGCGGTATCGTGCGCAAGCCGGGTGCCGCACTCTATGCC
 GAAACGGTTGCGGCGTTCCTCGAGCTCACGCTCGGCAACCAATGGGGCGTGGGAGGCTCCCTCATCGTAG
 GTCTGATGCAGGGGCTCGGCGCCGAACTGGCTTCGCGCTCTTCGCATATAAGGTGTGGACCAATCTTGT
 GGTGCTGCTGTCCGGGGCATTGTCCGAGCGATGTGCGGCGTCTACTACTGGTTCACGAACCCGGGGTGG
 GGAATGATGCGGGTCTCCATCTATTTGGGTACCTCGGTGGTGGGCGGTGTGATCGCAGCCGCTGCGTGCA
 TCGCGCTGTGCGGTGCCATCGCCGACCCGAGCCTTGGCTCAGTTCGCTCACTGGCGTGTTCTGTGACAG
 TGAGGCGAAGCGTGCCTGATTCGCACGCCATACGGTGGCTCTGCCGCAATGACCATGTCTGTGCAATCT
 CTGGCGGTTGGGAGGTTATGCAATATAGTGGGGCGTTGATCGTGACACCGATTTCTTTGAAGTTGAGAA
 AGGCATGGCATGACTGATCAGACGCAGATTATCGAAACCGCCGTCATTGAGCGGCTCAGCCACGTGATCG
 ACCCTGAGCTTGGCCGCTCGGTACCGATCTGGGTATGATCTGCGGCGTCGATGTTGCCCCACAGGCCT
 GGATTCCTCAATGTGCGGGTCAATGTGGAGCTCACCGTGCCTGGCTGCCGCTGTCTGCCGAGATCAGC
 AGGCAGATCGAGGCGGCCGTGACCAAGTTATGCCGAGGCGCAGCTCACCGCCGAGATCGTCGTCGGCGCGA
 TGGATGAGGAGAACTCAAGTCGCTGGTGAACGATCTGAAAGCCGCCGTCGTGAGAACCCGTTAGCAA
 ACCGGGTACGAAAACGCGCATCTTCGCCATCGCCTCAGGCAAGGGTGGCGTGGGAAAGTCTTCATCTCC
 GCCAATCTTGCGGCCACGTTCCGCCACTCGGCTACGACACCGCGGCCATCGACGCCGATATCTACGGCT
 TCTCGCTCCCCCGCCTCTTCGGCGTCCACGACCAAGCCACGAATCTGAACGGGATGCTGATGCCGGTGAC
 CGCGTGGGGCGTCAAACCTATGTCGATTGGCATGTTGCCGGTTCGACCGTGCCATTCTATGGCGAGGC
 CCCCCTCTGCAGCGTTCGCTCGAACAGTTTCTGGCCGATGTGTGGTGGGGCGAACCCGATGTGCTGATTC
 TTGATCTGCCCCCGGCACCGGCGACATGGCGATTTCGGTGGCGCAGGCATTGCCGAACGCCGAGCTCGT
 TGTGGTCACGACCCACAGCCCTCCGCGTCGGACATCGCCGTGCGTTCGGGCTGGTCCGCACTTCAGGTG
 CCGATGCGGGTGCCTGGCGTGGTGGAGAACATGAGCTATTTGAGCATGCAGGCGAACGGATCGACATAT
 TCGGCACGGGAGGCGGAGCTCGTGTGAGTTCAGTTGACCGATGCGCTGCACTATGAGGTGCCGCTCAT
 GGCGCAATTGCCGCTCGACCCGCGTATCCGTGAGATCGGCGAAAGCGAGGGACGTCCGGCCGTGCTCAAT
 GATGACGGCACGCTCCGCGACGACGACTTCGGTCGTACCTTCGGACATCTGGCCAAGAGTCTTCTGGCAT
 AGCAAACCTGGCATGTGGGCGAGCGTGCAATTGCAGCGCTGCCACATGCCATCGCCTTGTCGGGACGCCGA

ATCATTGCACGTCGCCGGTGGCGAGCAAAGTGTGCGAACTGTTGCTCGTCGATGATCGGGATGCCAGTTC
 CTCGGCCTTCGTGGCCTTCGAACCGGGATTGGCTCCGACGACCACCAATCCGTCTTCCTGCTACCGAT
 CCGGAGGCCTTGCCGCCACGGCGTTCGATGGCCTCCTTAGCCGATTGCGGGAGAAATGCTCAAGGGTGC
 CGGTGACCACCACGCTCTTGCTTCCAACGTCTGAGGAAGACCCTCGTCATGCGTGCTCATGCCACACC
 GGCGGCTTTCCACGCCTCCAGCACACGGCCGCGCAATTGCCGGCATGCGAGCCTCCTCGAAGAATGTC
 GCAATGGAATCGGCGATCTCCGCGCCTATGCCGTGATCTGTTGAGTTCCTCGGCACTGGCGTCGGCCA
 GCGCATCGAGTGTCTTAAAGTGCTTGGCCAGCGTGAATGCGGTGCGTGGGCCACATGGCGAATGGAGAG
 CGCTACGAGGACGCGGCTCAGATCGGTATGCTTGGCTTTCTCGATCTCATCGAGCATCTTCCTGGTGTTT
 TCGGTGGGTTCTCGATGCGCGGCCGCCATTCTGCCATGGCCACAATCACGGCATCCGGTTTGACCT
 CGTATTCGGGGTTCCTTCGGAGTCTTACCCTGCTTGCATTGCGCTCCTTCTCAGCGGGGCATCCTT
 GACCCCGGACCAGAAAGCCGGCTCCCTATGCCACAGGCCGGAACCGCCGAGACGATGGCGCACCTTCCTC
 TCCTTGCCATGCGAATCCACGTGCTGCGCACTTCGATGATCTGCGCTTACGCCACACATAGACATCCC
 GGAGGTGCTTGCTTCGAGGTGGAACAAATTCGCTTACTGGTGAGTACGGGCTCCTGGATGGGCGGAAG
 TTCCAGCCCGCTCGGAGCCAGATACGGTGCCGGCTCCTCGCTGGTTCCACCACGATCTCACGCACGCCG
 GGGGCGTAGGCTTCCACCGAGTCCGGCCTGTTGTCTTCGGGGTTCGTAGCGCCACCGCGCTTTGGTCAC
 CCAGATGCTCAATGTCGAATGCCTTGGGGCCGCCAGATTGATCACACGTTGCGCGAGCTGGGCCGGGCA
 GCTTTCGAATTCGGGCATCGCAGGTCCTTGTCTCCCTCCTTCTCATACCGCAACACGGTGTACAGGAT
 GGGCATCGTGTAGGCATGACGAACTCGCGTAGGTCCTGTTTCATGCCCTTCGCGTTTGGCGATTACTGGGC
 CGACCAAGTTCGGGGATCACATCGCCGGCCTTGCCTACTACCGGTATCGCCGATGAGAATGCCTTTGCG
 TTTGACCTCGTATGCATTGTGACGCGTGGTGCCTGACACCGTGGATCCGGCCACATACACCGGGTTCAGT
 ATGGCCACCGGTGTGACTCTGCCGTGCGCCGACCTGCACCACAATATTGAGGAGCTTGGTGTTGACCT
 CCTCGGGCGGGTATTTGTAGGCGATGGCCCAACCGCGCGCGCTGAGGTGCTGCCAGTCTGCGTTGCAA
 CGCGAGGTGCTCCACTTTGACCACAATGCCGTGAGCGCATGCTCGATGTCACCCCGGTGCTCGCCGTAG
 TATTCGATCATGTGAGAATCTGGTGAAGTCGGTGACCTCGCGGTTATGGGGCGAAATCGGCACCCCCC
 ATTTGCGGTACATCGTGTAGGCATCCGACTGGTTCTCACCTCGTCGGCCACATCCACCGGCTTGCCCGA
 CCCCCATACCAAGTTCGCCGATGCCATGTGCATAGAACTCAGATGCCGCTGCGCGGTGATGCGCGGATCC
 TTCTGGCGTAGCGATCCCGCGGCCGATTGCGTGGATTGGCGAACGGTGGTCTGCCCGCATCTTCGTTG
 CCTCGTTGAGCTTGTGAAAATCATCCACCGCATGAACACCTCGCCGCGAATCTCCACCATATCGGGAAT
 ATCGCCCTCCGGGCCATCCAGATTGGTGGGGATGGAGTGTATCGTGCACATTCATCGTGATGTCTTCG
 CCAGTGACCCCATCACACGGGTGAGTCCCTGCGTCAGAACTCCGTTGCGGTAGATGAGATTAGAGCCA
 GACCGTCTATCTTACCTCGCAGGTGATGGGCAACAGCTTGTCTCCGGCCATTGAGGTCTTGCACAC
 GCCATCGTACCAGGCACGAGTTCCTCGAAGGAGAACACATCATCGAGGCTCATCATCTGGGAGGGGTGC
 CGACCGCCGTGAAGTCGTTGAGAATGTGCCACCTACCCGATGGGTGCGTGACTGAGGCGTGTCAAGCT
 GGGGGAACCTCCGACTCCAGTCGTTTGAGGCAATTCATGCGCGCATCGTACGCTGCATCGGAGGAAAGCGG
 GGCGTCTTGACGTAATAGGCCACCTGATCGCCCTCCACCAAGCACTCAGACGTGACCACAGCCGCACC
 GCCTGCTCTACATTGAGCTTCGACACGTCGAGATCATCAAGTTCCATCGCATCACTGTCGATGTCACGCA
 ATGAGTCAATCCACGGATCCGAACCAATCGGATACCTGTCGAGCTGCTGCTGCAATCAATGCATCTTC
 CATAACCGGATTCTCCAAATCCTACCCAATCCGAAACGCCACGGTCTTGCCCCATTGGTCAATCCTACG
 CATCTACGCCACAGAGAGGGTGCCGGACGCGCCGTATACCATCGTCTACGCATTAGCGAGCGCAGGAA
 CTGCATGCCTCCCGGGCCAGATTACCTCCCTGCAGCGCATACAGCTCACGTTGAGTGCCTGTGCCACG
 GGGAAGATCTTCTCGTTGGTGGCGGTGAAGGCAGCGTCGCGAATAATCTGCGCGCATTCACCTGCGGCC
 ACACCGGCACGTATGTCGCATCAGGACTCCGACGGCCTGGGCACCGGTCTGTGCGATCTGTTGCGCCTG
 TGCCATGGCGAGGTTGCGGAATCGTTCGAGCCTGGCACGTTGCGCGGTGCGAGGTTCTGGGTGAGCGAC
 GTGGCGAGGTTGCCGGCCGCACTGCGACGGCGGTGTGCTTTCATCCAGCTGGCGCAGACGTAGTAGT
 AGTATGCGTTGGCGGCATCCACCGGGTGCAGGCTACGCGCAGCGGTTCAGTGCGGCTGCTCGACCGA
 GTTCCAATCCTCAGAGACGCATAGTCGTATGGCCTGTTGGATGTGTACGCCAGCGGTGGCGGGCGCGTAT
 CTCACCAAGGTATTGAGGTGGGCCATCGCCTCCTCGCCCTGTATAGCGGAACAGTACTTCGCCCATGT

CGAGATGAGCTTGGAACAGCGCATCGGGCACGAGGGCGATGCGCTCGTCCGGCATGGCGAACAGCCGGT
 GTACACCACCCGGTCCGTGTAGGAGGTGAAGTAGCGCGGACCACGCCGTCCGATTGGAACATCTCGTCG
 AGTTCGCCGATCACGCGTTCATGTTGCGGATTGCCCCCTCTCATCACCGGAGAACACCATCTCTGTG
 ATTTACGGCGTGCGTCGGCGAGTGCTCTCTCCACGGTGCTGGTGATCTGCGGTATGGGGGTGCCGTCGAT
 GATTGCGGTGGTGATCTCGGTGGCGTGTTGCGCAGTTCGGGATCTGCGCACTGCTCGATCAGGCCATT
 GCATAGGTGGCCTTCCGGTCGGCACGTAGGCCGTCTTCTTCGCAAGTGTCCGAATGAGTTCGAGGGTGC
 CCCGGAACATTTCTCTCGCGAGATCGACAGGTCGCGTACATTGTGTGCGCCAGTGATCGCGCCACTGT
 TGCATCGAGAGGCCTGTCGCGTCGTTCCGGAATCGTGTAGGCCGCGTCGCCGGTGAAGCGTGTGTCGTCC
 ATGCTGAAGCCTGGTTCGACCGGTGCGAATCCTTCGGTGCCATCGTAATCGTATTGCGCGCCGAACGCGT
 CGTATACGGCGAACGGGTGCGGCACAGCTGTTGGCGTGATGTAGTCGATGAATTCATCACGCGTGAATGT
 GACGGTGAGCAGGTGTTTTATGGAGGGGTGCTGTTGCGCAATCGGTGCAATTCCTCATCCACGTTACAGG
 ATGGATTGCACCGTGTGCTCCTCCGATTCGGCATGATGCGTCGTCTGATCATCGGACGACGTGGATTCTGT
 CGTGCTCGAGCAGGTGCGCAATTCGCGGTGCAAGTCGGCATCGGTCTGATGGCCTGCGTCTGAACCCC
 ATCATGCTCATGTCGCCGACTCCCGAGGTTTCTTCGAGCCGGAGAACAGGGCGCTGCCGCGTTCGCCG
 AATCTTCCCTGGCCGGCGTGCGTGGTGAATCTCAAGATTCGTCAGATCGGAGATTGCGTATCGCGC
 TGTCATGAGCGTCTTGATGGCATTGTCGCGTTCGTAGACGGCCTCCTCCAGCCGAGGGAATCCATGCG
 CAACGAGACGCGTCTGATCTGCTCGCTGGCACCGAATGCGAGGGAGGCGAAGATGAGCCCGATCTGCAGA
 TTGTATTCGCGCTGATCCGTGAACGCTCGGCCTCATCGAGTTCGGCCATGGCGCCGGATCGCATGTTGA
 TGAGCTCGTCGGGCATGAGCGTGCGGCTTCCCGAGGTGAAGGCGAATGCCACCTCACCTTGTTCAGGTT
 CGAACGGAATCCGTGTGCAATCTGAAAGGAAGCCATAGGGCGTTGACTGCATTGCAAGGGCGTGCCGG
 TATATCCATTGCTGCCGACGAGATGCCGTACATCAACGCCAACGCCGGCCTGTGAGGCGTCGAGCGACG
 CGGACAGCGACATGCCCCTGCCGAAATGCAGGTAATCGTCTACACGGAAACATTTCGGGGTCTGCGAGAAT
 ATGCACAGGATGGGTGCGCGGACAGGGCGGACAGCGACGGGTGCGCAACAGACGACGGTCTGATGCGGGCG
 ACCTGCTTGAACGTCACGGTATCTTCGATCGGCTGTTGCTGTGGGCGGCATTGTAATCGAGCCACTTGT
 CGATCAGCAGGAACCGGTTGACCGCCCCCTCGAGCTTGAGGCTGGTAAGCATCGCATCATATGGCATGCG
 CTTCTCCCATACGAGGAAACGCGCATGGGAGACGGGCGATTCAATCATATACAGCGGTTCACTGCCATGG
 TCTGCTCCAATTGCGACAGGTACCCATGACACCTATGCGTCTCATGTCGTCGCGCAAGTACTCCTCGA
 GACCGCTACCCGCATGCGGTGCGCACGTGCCGTGTCCGTCTGTGACACGCTGGTGCGAATGGCTGCGAG
 CGGTGAGAATCGACGGAAATTCGAAATGATGTTGCCGGCCCCATACCCCTGCAGGCGGCCATTGACCGAC
 ACTGCAAGGTAGAGATGGAAGAAGCACACGGCCATGAGATCGCGGTATTCGAGATCCGTGCGAAGGCGCG
 CAGGCAATTCGGCACGGGCGTTTTGATCGTATACCGATTGCGCGATTGAGGAAGCGAGCGAGCCAGAC
 CATGCGTCCGTTGCCATCACGCCCCCTGATATCGCCGACAAGTGCCCGTGCGGATCCTTCACGGTGGCG
 ATGTGTGCCGTTTTGTCGCCCGGAAGCGGGAATCGTCATCGGTGCTGAGTGAATCGGTGACGTCAAGCT
 CTAAATCCGGTTCGCGTGATCGAGGTTGCGATACAGGTGCGCGGTGATATACAGGCGCGCGGTGTCATC
 GGCCATCGCCAGCGTGAGAAACGGTCATGCGAGGTGAAATAGCCGAGGGCGAATCTGCGCAGGCCGGGC
 ATCTGCACCCAACCGACACGCTCGAATGGCAGTCCCGTTCAGCCACCGAGAACGACCGGCGGCGCATCA
 ACGGATTAAGCACGATCGTCTCCGCTGACGGCATCTTGACGCCAAGTAGCGGATTGTCGGAGTCGGCGT
 GAACATGTTGTGCGTGGGCAATGCGCCGGCGAACATGCTCTGCGCCGTGCACTCCACCTGACGCGCATAT
 CTGGCCGATTGACACCCAGGTTCTCAGCCACCGCGCGGCTTGCCTGGCTGTGGGTGCGAAGTGTGTTG
 AATTCGTGCCTGTCATGTGTTCCAATCTACACGTCAAGGCGCAATATGTCTGCCGATTACCCGCACAAGG
 TCACGGCAGTTACTCGCATGCCGTTAGAATGACGCATGTGAACACACCTGCACGCCGGACCCATCCGTTT
 ATCGCCGCGCTGTCGCCGCAACCGTCATTGTGCTCGTGGAATGCCTCGTATTCAATTCGATGCCTGC
 GCTCACGCTCCGCGAGGCCTGCAGACGCTCACAATCGTTGATCGAACAGGGGTGCAACAGCGCCGCCGA
 CCTCAGGTGACACTCGGCCGGGTCTCGCAATCCATGGCGATGGCCTGCTGCAGGTACCGACGCAACC
 AAGGCATATATTGATGCGCCTACGAATGGCTCATACCCTACGCGCAGGTGCTCATGACCTCGCTGAATG
 ACATTGCCCTCGCCAGAACGACCATGACCCAAGTCCAACGTGACGAGCTCTACCGCGAGCTTGTGCATGT
 GCGGCTTGACGGAGGCCGATGACAGACGTTGCCGTGATGCCCTCGCTCCACCTACCTGCCCTACCAG

GATTCCGAAACCCGGCATGCGCAGTCTAATGGTGACCACACGGTGCGCCTGTGGATTGAGGAGGCAACCG
 ATCCCTCATACCGATTGTGGGGCTTGACGCCAACGCACGCGTACCGTTCAGCTGGAAGTGGGCGCAGGT
 GCTGCTCATGGCCGCGTTTGCCGCATTGCTCATCGCATTCTCGCCCAGAAGCCGCTGTGGCTCATTCCA
 CTCGACACCAGTTCGCGATTGCAACGCGGCGCATTACCATTGGGGCGCTGGCTCTCGCCGGCTATACGG
 CTGTCCAGATCTACTGGCAGATCGCCGGGGCCGCACCGATGGCCTATCACATTCCGGGGCGATACTCCTA
 CGACTACGACCAATACGACCATGTGCGACAGGCCCTTATGAACGGCCACGCATGGCTCGACCTTCCCGTG
 CCGGAACAGTTCGCCCAACTGCGCAATCCCTACGACACGGCTGCGCGTGACCGTCTGCTCGAGCAGGGCG
 TGACGCACATCTACTGGGATTACGCATATCACGATGGCCATTGGTATTCTATTTCGGTGTGCTGCCTGC
 GCTGTTGCTCTTCTGCCCTATCGTGCCATCACCTCGCTGTTCTGTTCCCGGCGGCCTCATGTTGCCGAAT
 GCGAGCGCCGACCTGCTGCTCATGTTGGTGCCGCCGTCTTGGCTGTTGCTGGTGATCCGCTGCTCA
 AACGCATGCCGGTGACGGTGAGCGTGCCACCTGCGCGCTCTCTGTCTGGCGTTCGTGCTCGGTTCCAA
 CCTGCTGTATTTCTGGCATCGCACGAATTTCTATTGATTCCCTTCGCTCCGGCCTGTTCTGACCTTC
 CTGGGAATGTGGCTTTGGCTTGGCGCCCCGGTGCAGCGAAAACGCACATGCACGTTGGGCCGTTCCGATT
 CCGCGGATGCCGCCTCATTGAGTCTTCTGCATGTGGCATTAGGCGCGCTGTGCATCGCCGCCACCATCGG
 CTGTCTCCACCTTCGATTGACGGCATTGCTTGCCATTGCCCTGTTCTTCCCGCAGGTGCGCGCGGTG
 TTCAGCGCATCCACATGGCGGGAACGCGCCACTCGCATTAGGCGTTGCGTTTCTGTGCGCGCTCATCA
 TACCCGCCATGCTCATCGTGTTCCGGTGATTGCCTATAACGCTATGCGTTTCGGCTCGTTACCGATT
 CGGCAACGCTTACCAGATCACTGTGGCGAATATGACCGACTTCCACACACCGCTCCCGCAGATGCCGCGC
 GCATTGTGCTGCTACCTGTTTCTGCCGCTCACCTTGGCAATGACTTCCCATGGCTTGAGCTTACGCCCC
 CGCCGACGCCATCTGTTCTTACCGAGACGACGCCCGCTGGCCTGTTCTGTGCTGATGCCACTCGCCCT
 GTTGGCCTTCGCCGTCCCGTTCATGAGACGCCCGCTCGGCAGACTGTATGCCACGCTGACATCCATGCTC
 GCCCTGTCCATGGTGTTGCTCGTGTTTCGATGCCTATGTGGGTGGGTTGCGGTGGCGGTATCTGGCGGATT
 TCTCTGGCTCGTCATGCTGTGCGCATTGGCGGTGATGGCATGGCTGTGGAACGGCATCCCGCATGGCG
 TGTGGTGTTCTCATCGTGCTGGTGATGCCATCATGCTCGCATTGGCCTCCATGTTCTGTCATCGGTGCT
 GATGACGCCATGATCAACATCATGCCCTCGAGATTCGCCGACGTGCGTTCATGGTTCACGTTGCTGCCGT
 GAGGTGGCATGCGGACGCCCTCCGCTGTTCTGTTCTGCGTATAGGCACGCAAGCGCACATTGTCAGACTAC
 AATGTTCCGCATGGGATTGCTCACATCGCTGTTCAAAACGACCAGACCCGTAACACCGCCGCAAAAGGTC
 GGGTTCGGTTTCGACCACGCCGTATACGCATATGACGCCAGACATACGGCGTGCGCGACATCTCACTCG
 ATCTGTCTGTTCAAATGGCAACACGGCGATCATAGGGCTCAACGGAGCGGGCAAATCCACACTCATCGA
 TCTCATGAACGGCACACTCACTCCGAGTTCCGGGAAGGTCACCGTCGAGGCCGATGGCAAGAGCTACGAT
 GCGTCGCATGGCGGCCGGGCGCAGATCCAACGTATTGTGGGACCGTGCAGCGTGAGGCGGATTGTACC
 GATTGCGGCACAATGTGAGCATCGAGCAATCCATCGATGAGCTGCTCAGGAAATACCGGCTCACACCGT
 ACAGCGTCTTGCATCGCCGGTGACGCACTCGCGAAGTCTCGTTGGATACGAACATGCGCACCCCGCTC
 GACGAACTCGATGGCGAGCAGTTGCACCTGTTCCGCATCGCCCGCGCATATGCCGCCAATCCAGGTGTGC
 TGCTCGCGGATGAGCCTATGCGCGGACTCGATGAGATCAGCTCACGGCATGTGCGCGACCGTCTGTTTAC
 CTGTGGCAAGCCGGTCTTCTGCCACGCATAATGTGATCTCATTGCAATGACGAATTCAACATCACG
 CGTGTCTATTGTGATGGACGAGGGCGAGATTGCATTGACGGCGAACCAGGCGAGTGCATCGGCATACTATG
 CACAGCTCATCCGAGCAAATACCGTCAGATCTCTCGACACAGTGACGTACGGCACTGAGCACCAGACG
 CACATGCGCGTGAACAGATCCGGTACCGGCAGCAGTGATATCGCCAAATACCCATTGGCTTCCATGTGCG
 AAGAAATAGCCGGCTGGCCGGACGTGGCATTGTGCGGAATCATCGTGTGTCACAGCTCGTTCTGTCGA
 TGAACGAGGGGAAGCGCAGCAGCACGTTCCATCCCCCTTCGGCACGGAGCACGCTACCCACGCCAGGTC
 GTCCGCATCGAGCAGCCGGTGACGCGATTCCAGATTCCGTGAGATGCGCTCCTGCACGCGGTTCATGCTGA
 CTGTCGAGTTCGGCAATCATGTGTCATGCGTTCGGCGATGAGCTCGCTCATCGGCAGGAAGTCATCGG
 CGATCACATCGAGCCGGCGCATCGCTTCCCGAACATCGTGTGCGGACCGCTGACCTCGATCCAACCCAC
 CTTGGCGTGCGGCGCGGCGAGACGCTTCGAAAAACCATCAAGCGCGAACGTGAGCACACGGCGCTCGCCC
 GCGAATCTCCTATTGCCCTCGAATGGCTCCAACGCATAGTCGAAGAACAATTCGTCTGCAATGAGTGCGA
 TGCCGAACCTACGGCACAGTTCGATGAGATGCTCCCGCTCGCTGGGTTTGACGTATTGGCCGGTTCGATT

ATTCGGATTGATCACAATAAGCGCACGGATGTGCCGGCCTGCTTGCCCGTCCCGTTCCAGTATGGTCCGC
 AATGCCGCGATGTCCATGTACCAGGAACCGTGAATTGCAACTGGTATTCCACCGTCTTCACTCCGCACA
 GCCGTGCGATCGATTGATGAGCGGGTATCCCGGTTTCGGCGCGAGCACCGCCTCCCCGGATCACATAG
 CAACATCATGAGCCATGCATAGGCCTGCGATGTGGAAGTGAAGCAGATACAGTCGCTCCGGATCCGGGCAT
 CCTATTGCCCTGGCAAGGCGACGCCGTGCCTCCATCTGACCACGTGGCTGTGCCCGATACACCTGCGGGA
 GCAATTGCGGCGCAAGGCCGTGCGCCGTGGGATTCGAGTCATTGAGTTTGTGAGGTCCACCCACGAGC
 CTTGGCCTCTGCTTCGCATGCGGCGATTGGATTGCGCTGGCTCACATCGATTCTGCTGGAAAAACGCACG
 GCATAATACTACTCCCAGCGTCGTCCATAACAGGGCGAATACGGCTGGAGGCACCATGGAATCCCATGGC
 GCCTCGAGTCTTGCATGAATGTAATGCGACCTACTTGCCGACTGCTGGTTGGCGTAGTAGGCGGCACCC
 ACGATGCCCGCCTCGTTATGCAGCTTGCGGGCGACAATCGGGGTCTTGATGTGCATGTACGGCAGGAACT
 TCTCGGAGACGCGGCTCACACCACCGCCGACCACGAACAACCTCGGGGCTGAAGTACAGCTCCATGAGACC
 GTAGTACTTGGTGAGGCGCTTGCCCACTTCTGTAGCCCATGTGAGTTTCTACGGACCGAGGATGCC
 GCATACTTCTCCGCATGCGCCTTGCCCTTGGCAGTTGGATGTGGCCGAGCTCGGTGTTGGGGATGAGCA
 CGCCATCGTAGATCAGGGCGGTACCGATGCCGGTGCCGAGGTGGTGGCGATGACAAGCCCATCTGGCC
 CGCCGCCGACCGAACGCCTGTTCCGCCAGACCGGCCGCGTCCGCGTCGTTGACCACGGTGACAGGACGG
 CCGCATGCCTCGGAGAACACCTCGGTACGTCCACCAATCCACGACTGATCGAGGTTGCCATGAAGT
 CGAGCTTCTTACCCGGCTTGATCGGGGCCGGGAACGCAATTCCACCGGTACGTCCTCGGGCACTTCGAA
 ATGCTCGAGCTGCTGGCGCACAAATGTCTCCACAGCCTTGGGAGTGGAATGCTCTGGAGTGAGGATCTTC
 AGGCGGGGTTGCGCGAATTCGCCCTTCTCCAGATTACCGGAGCGGCCTTGATGCCCGAGCCACCGATGT
 CAACGCCGAATGCTTGTGCAGTGTCAATCATTGCAATCTCCCTTGCCGTTGCAATCCGAGGCGTGCACTC
 GTTGATGCCTCATACCCCATATTGTGGCGTATTTGTGCGACATGAAAACGCTGGATAGCTTGTTTTCC
 TTATATGGTACGCAATTGGCATGCACTGGGAAGCAATCGTTTGCCGTTCTGGCGATTCACTCCGAACTCA
 TACTAATACATCGCATTAACAAATAGGCGTCCGATCTGGGCCGCGTCCCATCCGATATCGCCCATATTGT
 GGACAATGGGCAGGCAAATCCGTGCGGTGGACTATACATAGGTAGTGCAATTTACGGGAAGGTGAAACTC
 CTTACTGGCGGTAGCGCAACGGGCCCCGTGCCCGCATGCGGAGCCCGCAACCCGCGCAAGCGGTGGATCTG
 GTGCGAGTCCAGGGCCAACGGTTATAGTCCGGATGAAAGAAATGAGCTCGCATGAGTGTTTTTACACC
 CAGATTCGATTTACCCCAACCAGGTCTCCGGCAGCCACTCCACTGGGGCGGCAGACCGCGGACGCTGGTC
 CACGCAGCGCATCGCCATGTATGCGTTGTTGTCGCACTTGCCATGGCGGTGAGTTTCATCGAGATTCCG
 TTGATGCCTGCCGCACCTTGGCTCAAATACGATCCATCGGGCATCGTCTGCATTCTCGAGGCTTCGCAT
 TCGGCCCTCGGGTGCGGTATAGTCAGCGTGCTCGGGTTCGTGCCTCATCTGTTGTCGAACCCGCTGGG
 CGCAGTGATGGCGATTCTCGTGGCACTCGGGTATTCATTGCCGGTCGCTTCATCTACCGCAGGCGTTCC
 ACACGCACAGGCGCACTACCGGCATCCTCCTCGGCGCCGCCGTGCACTCGCGGCGGCCATCGTAGGCA
 ATCTGTTTCATACCCCGCTCTACGCGCATGAGCATGCAGCAAGTCGCTCGATGATCGTGCCGATTCT
 GCTGCCGTTCAATCTGCTCAAATTCGCAATCAACGGCGTCGTGAGCTTCTGTGCTATCGCCCGGTCTGC
 AAGCTGATCGCCCGATGAACGCCTCGGGATTCCAGATCGAGCTGCGGCATGTGCGATTCTCCTATGACGG
 CGGTGAGACATGGGCGCTCGACGATGTGAACCTTGGCATTGCGCGCCGGCGAACGCGTGTGCATGTCGGT
 GCGAACGGGTGCGGGAAATCCACATTGTTACGTGTGATGGCCGACTCAGCGCGCCGACACAGGTTCCG
 TGACGCTCTTGGGGCACACGGTGTTACCGACGAAGGTGGCGCCGACGCCGATGCGTACGCATGTGCACG
 ACGTGGCATCGGCGCGGTGTTCCAGAATCCCAGAGATCAGATCGTCACGACGGTGACCGCCGACGATGTG
 GCATTGCGCCCGGAGAACCTCGATGTACCCGCCAACATGATCGGCGCAAGGGTGATGCCTCACTTCTCT
 GTGTGCATGCTCACAGCATGGGGGGCCGACCCACACATATGAGCGGTGGCGAGCAACAACGCATCGC
 CATCGCCGGCATGCTCGCCATACACAGCGTCTGCTAGTGCTCGATGAACCCACCGCCATGCTCGACCCG
 CAGGCGCGCGCCGAGGTGCTGGCGTACTCGATCGCATCCAGGCATCGGGGACGACCTTGGTGATTGTCT
 CGCATCTGCCGAGGAACTACGGCATGCCGATCGCATCGTGCATATCGAGCACGGCAGAATCACCGGTGA
 GGATTGCGCACAGCACATGCCGCAACACGACCATCATTCCCCAGTGTGACCACGTTCCGCCAGCTCGAT
 ACCCTGGCCCGACATGTCAACACCGAGCATGCCGGAATAATCGGGGCGGCACCAACCGCTGTGGTGTTG
 ATGACGTATCGTTCCGCTATGAGCGGGAATCGGCGGATGTGCTCAGCCATATGAATCTACGGATTCCACG

CGGATGCCTGACGGCCATCATGGGTCCGAACGGATCCGGAAGACCACTTTCGCGCGTCTGCTGTGCGCG
 CTCGACAAACCGCGCGGCGGCCGAATCGTGGTGGAGGGCATCGACGTGACGCAAGCGAGACGACGCGAGC
 GCAGACGCTTGCCTCGAGTGCTCGGATTTGTGATGCAGCATCCCGAACGCCAGCTATTTGCCGAAACGGT
 GGCCGACGATGTGGCGTTCCGTCCAACCAACCAGGGTTTGGATGCGGCACAGGTGCGTGAACGCGTCGAT
 TGGGCTTTGGACCTCGTCGGCGTGTCTGACCTACGCGGCAGGAATCCGTTTCAACTGTCAGGCGGCCAGC
 AGAGGCTGGTCGCCATCGCCGGAATCATCGCCTGCGATCCGTCGGTGCTGGTGCTGGACGAACCATGTGC
 AGGGCTCGACACCTCGGCGAGCAGACACATCGAGCGCCTGATGGAGAATCTTCGCCACAGAGGGGTCACC
 GTCATTCTCATTTGCCATGACCCCGATCAGGTGGACCGTTTGGCCGATCAGGTTATCCTGTTCCGGCAATG
 AGCAACAGGGACGGGCTCACGCAGATAGCGGCGGCGAGGTCCAGCGTGAGGTACTCTCCCCACCGACAC
 GGGTTACTCCTGGGTGTCCGGCCTCGACCCACGCGTGAAGATCGTATGCATCCTCACGGTGATGTGTGCG
 GCTTTCGCCATGAACACCTGGGCCCAGTTGGCTGTGGGTGTGCTGCTGACGGCTGCTCTCTGGGGCGCCA
 GTCGTGTGCGGCTTACCAGGCTATTGCGTTGCGTGCGTGGCTTCTTGTCTGTTGCGGGTCATGGGTGC
 CCTCAACATCGGTGTGTTTCATACCGGTGATGTGTTGGTAAGGATCGGTCCCCTGCCGATCACGACCGGC
 GCGGTGTCCGTGCCATCATCTACACGACGCGCTTGGCCATCGTGTGATATTAGGTGCTCTCTGCTTG
 AGACCACGACCCCCACCCGTCTGACGGCGGCGTTCTCTTCGTTGCTCTCACCGCTGCGGCGACTGCATTG
 GCATACGAGGAGACGGCATTGGTGCTGTGTTGGCCCTGCGGTTCTGTGCCACGTTGGCCCAGGAGGCA
 CTCTCCATTGAGATGCGCAGGCGATTCTGTGGCGGTTCCATAGAATCGGGTTCCCTGCCACAACGGGTCA
 ACGCGATGTGCGCGACCATCATACCGGTATTCGCCGGCGCCATACGCCATGCCAACAACTGTGTTGGC
 CCTGCAGGCACGCTCCTTCGAAGAGGGGCGCCCCGCTCCACCTGGCATGCCATGCACATACGCGGCCGT
 GACATCGTGTTCATGACGCTCACCGTGACGACGTTGGCGGCCATAATCGCCATGAATGTGTTACCATAT
 GAATTGTAGTTACGCTCAAAACGAATACTCATGCAAAATATTCAACGACACCCGTCATGTACGATGAC
 ACAATCACCGCGCACGGCGGCGCCGACGAATGAGGTTGACGCGAATAGCATTGAGCGCCGTTCCGTCCAC
 GTCGAATGTATGACGCACGGTTCTGTCACAAAGGACCCAATGCCGTAGGCGACGCACATGAGTCGTGACC
 ACCCGCCGATGGCGGGTGGTTTTTTATTTCCGCACTCCTCTCCACTGCCGCTTGTCTCATAGAGCAC
 GATGCTGCATGTCCATTGTTTGGGGCCATTAAGATGAAACGCAGGAGAATATGCCACCACAAGTACAGA
 AACGAGGAAGTCATGGCATTGCAGGATGGCGAACATACCATCGCACTGAACAACGAGGTACTCATGCCCG
 AAATCGGCTTCGGCGTATGGCACGCCGAAGAAGGCCAGAGACGGTGAACGCCGTCAAGGCCGCGTGGC
 CAACAACCTACCGTCTCATCGACACGGCGGCGTTCTACAAGAACGAGAAGTCGGTGGGAGAGGCCATCGCC
 TCGTCCGACGTGCCACGTGACCAGATCTTCGTACCCACGAAGGTGTGGAACGACGACATTTCGCGCCGGCA
 AGACGAAGGAGGCCTTCGACAAGAGCCTCAAGCTCCTCGATCTCGATTATCTCGACCTCTACCTGCTGCA
 CTGGCCGTCGAAGGCTGGCAGCAGGCATGGAAGGAAGTGGAGACGCTCTACCGCGACGGCCGCGTCAAG
 GCCATTGGCGTATGCAACTTCGAGCAGGATCAGCTCGAAGAGCTGCTGGATCTCGCCGAGATCAAGCCTG
 CCGTCAACCAGATCGAGTCCAACCCGCTCTTCGCCAATCAGGATCTCATCGACTTCTGCCACAGCAAGGG
 CATTGCGGTGAGGCATGGCATCCGATGGGAGGTGCGGGCAGTGATTTGTTGAAAACGAGACGCTGCGC
 GATATCGGCGACAAATACGGCAAGTCCCCTGCCAGGTGATGATTCGCTGGCACATGCAGCGTGAGGTGA
 TTCCGCTGCCGAAGTCGGTGCATGAAACCCGATCGTGCAGAACATCCACGTATTCGACTTCGAACTGGG
 CGAGAACGACATGGCCCGATCAACGCGATGGACACCGGCGAACGTGAGGTGCCGATCCCCATCACGTC
 GACTTCTGATCGCCACTGATTGCCTGCGCTGGGGTTGGGCGCCACGGGACGGGGAGTGTTGAGGAACGT
 AAAGGGCGCTTGCGATCCAGTGACGAGACACTCCCCGTCCCGTGGGCGCCCAACCCAGCGCATATCTCA
 CACGCGTATTCCGACTGTCTTCGTATTACGCCAACCTCGCGATCGGCACGCATTGACCCAACGCTCCTG
 TACGATGGAGCGGTCTGTTACGCACGGAATCTGTAAGACAACCGGGTTTCAAAGGTAGGAACAAGAATA
 TGGCATTGACGAAGAAGCAGGTACGGCAGCTGCGCGCATGGCGAACCAAGCTCAAGCCGCTCGTACAGAT
 CGGCAAAGGCGATCTGAGCGACAACGTGATCAAGCAGGCGGACGAGACGATCGAGAAACGCGAGCTCATC
 AAAGTGCAGGTGCTGACGGCTCGGGCATAGACGCCAAGGAGGCCGACAGGGACTCGCCGATCGCATGG
 GGGCCGAGGTAGTCCAGGTGATCGGCAACCGTGCCGTGCTCTACCGTCGTTACATCGCGACGACATCGA
 GCACATCCAGCTTGTGCGCGAATAGAACGAATGCAAGCCTTTACGGATGAAAACGCCCCGGCCACATGA
 GCCGGGCGTTTTTATTGGCACATCAATCGCGTGCGGCGAAGCGCGGAGCATCCGCAATCTGCACGCCGA

TACCGGATCAGCGTGAGGTGAGGCCCTCCCACTGCGGTTTCCAGGTCATCTGGCGCTCATAGGCGCTCGC
 CCAGAACATGTACTCGTATTCGACACCACGCACGAACGAATCCACCAGTCCACGCCGGCGCTCCTCGCCC
 ACGCCGGCAACGCGGCGTTTCGATCTGCGCGAGCAGCCATACGGAGCTCTGCCAGAACTCGTCGGTCTTGT
 ACATGTCGATCCACTGCCGGCATGGATTGTGCTCGAGTCCCTGTGCGAAATCACGTGCCAGTGCCTCGCC
 ATAGTCGGCGTACACCCACGCGCAGGGCAGCACGGACACCAGGATGTGAGCAGATCGCCGAATACGCG
 GTGGTGAGCATGTTTCGTCGTGTAGGCGCGCGCAATGCGGACTGCTGGCCGTGCAGCACCTTCTCCTCGG
 TCAGGCCGAATGATGCCAGATAATCGCGATGCAGTGAGGTCTCCACATGCAGGATCGCGTCTGAACACT
 CGCCATCCATGCCATCACCTCACGGTCGTGGTCTTCGTCACGGCGAGCGCATGCACCTTCGCATAGGCG
 CCGAGGTAGAGCTCGTCTGCATCAGGTAGAATGCGAACTTCGAACGGTCAAGGGTTCAGCGCCGAGTT
 CCTGTATGAATGGCTGCCTGTAGCCCTTCCCATACCGGATCGGCGGCCCTGGCGCATGCGCGACGCGAA
 CGGTGGCAGGTGCGTTCTGGTGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
 TTAGCCAACAGGTTCAAAGGGTCACGCTGTCGCTTCTCAACTCGTCTGAGTCCCCCGCATCTTCGTAT
 TGTCACATGGTCGGCAGACGAAGCGCCATGTCGTCTCCGTGCAGGTCCCTGCATGTTGCGCGATGGACAT
 CGTGCGTTTGGCCGCGTATCCATGGCCGGCCTACACTGTCGGTATGAGATTCATCGGTAATTTGATCTGG
 CTTGTTCTGGGTGGTCTGGAGATCGCCTTCGCTGGTTCGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
 TGGGCATCCCGTTGGGTGTGAGTCGTTCAAGATGGCCAGCTCACGCTACCCCATTCGGCCAACACGT
 CGTCTATGGCGGTTGGTGGGTTGCTGCTGCTCAACATCGTATGGGTGGTGGTGGTGGTGGTGGTGGTGGT
 GCGCTTGGGTATCTCATTGCCGGTGTGCTGAATTGCATCACGGTGATTGGCGTGCCTTTCGGCATTCACT
 CATTCAAGATGTGCAAGCTTGCCCTGTGGCCTTTCGGCACCACTTACTAGTCCCGCATAAGGTGGCG
 GTGGCCGGCGACCTTGGTCTCAAGGTCTCCGGCCACCGTCATTGCGTATATTCGCCAGCATCAGTAGCC
 GTGCGAGTGAGGTACTTGTATCGAATCCGAAATAATGCCCCAGCTCGTGGAGCACGGTCTTGCGAATC
 TGTTGACCATCTGCGCATGCGTGGCGCAGATGCGTTCATGGGGGCCCTGAAGATCGTGATGCGGTCCG
 GCAGCACGCCGGCGTATCCGGTGGTACGCTGGGTGATCGGCGTGCCTTGGTAGAGGCCGAGCAGTCCCC
 GTCTCCGTGGGTGATGCTGACGTATTCTTTGTCCGTGGCTCGTGGCCACGGTGATTGCAATGTTGGAA
 AGCGCTTTTTTAAACCGTTCTGGAACGGAGCGGACCGCTCGGTGACGGTCCGCTCGAATTCAGGTTGCG
 TCATATGCATGTCGACGCTTCTCAATTAGTCACGGCCGAGCGGATTGACACCCTCATTGGCTGGTGACG
 TCTCGTTGTGCAACATCAGCGCATGCAATGGTTGTCGAGGTAATCAGCTTCCTGATGCGCCTCGGTGTC
 CTCCTTCGGCGTGTGGGGTTCCATGGGCATCTCCATGCGACGCACCATGCCGCGATCCTCGTAGAAACCG
 TAGTCGAATCCGTGTGCGGTGTACAGGAAGTAGTGTTCCACATTGTTTACTTTGAACTCATTGAGCATCC
 AGTCGAACAGATGCTGGCCTATGCCCTGGCCGCGCATGTCCTCGCGCACAATGAAGAGCACGATCTCGCC
 GTCATAGGCATGGCGTCTTCTTCGCTGCTTATCATCTGCCGGTGGCTTTCGCGCTTGAGCATG
 TTCTTCAACGCTGATGAGCTGACTTGTTGAAGAAAAGCGGGCCCATGATCTTCATGACGCTGCGATGAT
 GCTGGTTGATCCCTTGCGGGTCTCCTGGGCGTCGATGCGACCCAGAACGGCGCCGACCACTCACCATC
 GCGTACAGCCACTTCTGCGGTGGTGTGCGTGCCAGGCAGTATTCGAGATCTATCTGGGCGAGCTTCATT
 TGCAGATCCTCATCCATCTGCGGATCCTGCTTGTGCCACGTCTCGCACAACATCTTCGTTAACGCTGGGT
 AATCGGTGCGCTGCAACGTCTGTAAGTATCGAATCATTACATAACCCCAAGTGATCCCACAGCCGAT
 GAGGTCAATTGGCTTCAACCTATTGGCGTATGCGCCGTGACTGACGCCCCCTGTGTTCTCCACGAGTTCC
 CTCATACGCTTGAGCAGGCCGACGAGCACGCCATTCTCAAGCATTGCGCGAGGTACCCGTGGAACGGC
 GTTCGCGGTACACAATCATGGTGATCAGTGCGCTACCAATTCCATGTCCAACGAACGCATATTCAAGAT
 CTTGCGATCCACATCGGCATCGAGCCATAACGGCGCAGCGTCTTGGTGAAGTCAGCGGAACATCGGGTG
 AGCACGGAATCGATGAAGCCGAGCATAATCGGCTCATATACCACGTATGGCACGCTGCTCATCACACCTG
 GCATCGTCATGAACTCGGTGTGATAGAGGTGCGCGGTGTCGCTTTCAGGGGGCTGAATGTACGCGGTGAG
 CCATTCATAGGTATCCCTGGAATCCTCATGTTGCGCATCACGTCGAGCATATTGGCGTAATGCCGAAC
 TGGCCGCTGTCCCATGCTACCCCTCGCGCATCGACACACCATGTTGACGTCGAGGTCTATGGCGAACC
 GGAAGTGTGGGCCAACTGCAGGATTGTGGCCACCTCATGCCGACATACGTGCAGACTTTGTGCTGCTC
 GCATGAGCACATCATGCGCGACAGCAAATTATGACGCATAATGATGTCGACGGTGTGCATTTCCGTATCA
 TCGGCCACCTCGGCATGGAAAATGCCGAACGGCACGAAATGCAACTCGCGTACATCACCATTCTCCATA

GCTGCTTGCCGCCCATCAACGATTCAAGGGAGACGAATCGAGCCAGTTCGGTGATCGGCTTGCCAAGTCT
 CATCGACCTGGCTATGAGACGCAGGCGCGCATGCGTACCGGTGAGCAGAAGCCTCTTGGTGGCATCGCTG
 ATTTGAGTTCGCCGCCGGCCTGTTCCATCTCATCGGCATCGGAGGCCGTGTGACGCATGGGATCCCGGT
 TCTCTCGATCACCCGTCGCATGTCGGTGTTGAGAATTTTCGGTCCCCGGCACACGATGCCATGCGGCGAC
 AAGCCGCAATGCCTTGGAGTTCTCGTACAGCACGATGAAGTTGCGGCCGATCGCGGCCTGCCACCATTTCG
 TCGAGCGCACAGTTCTCGGAATCAAGCAAGGCATCCTTCAGCACCTTCCAACTGGGCAGGTGGTCGATGT
 CGGTGTCGAAGAGCTTCGCAATGTTCTGTTGAACGCCTCGGAATACATGACGCCGCCGGTGACGCCCGA
 AGACATGAGCGCCCTGAACGAGCGGTAGGTCAGCGGCACCGATTTCGATGTCACATTGTTCTGTACACAGTG
 CCAGGACCGTAGGCGATGAGTGGATCCTCCCCTCGTCTGGAACCGTCGAGGGTGGGGTACTCGCACAGCA
 CGATGGCACCGCAGTTCTCGCATTGCTCGAGGATTCGCCCTCCCCGGCAGCGTAACCTCCGGTGTTGAATTC
 GCAGTCGTAGTTGTAATGCGCCAGCGATGACGACGGGATGAAGCCGAACATGTTTCGGACCGGTGTGGCCG
 AGGCCATAGAGGTGCGCGCCGCGAGATGCATTGCCGTGCGACCATGCCTACTCTCTTTCCACTCCCCTGTT
 CACATGTGCATTCCGTGTAAGCGTTACGAGAATTCCCAGAATGCACGTCCATCTGGACTTTATCCGACCC
 GAAGGGAGCTGTGCGTCGTAATATTTTAGAGGAACCGTCTAAGATGCCATTGATTGTCTGTTCAATTTGTC
 TAATTTGAGCATAAGTTCGCTTTACGAGATTATCAAGCGCGTTTCACACTCCTCAAGATCGCGTTTCAAA
 TGTGTTGTTGTCAGCGTCGTCGCCGGCATCGGTTGGTTTTGATTACATGCTCATGCCGCGGACTCGAGTGCG
 GTCATGATGATCTGGTCGGCGCGTCTGTCATCTCGTCGGTGATCTCGGCGCGTCGGGGTGTGCGCGGGT
 TCAGGGCGGTTGCCATGTCGTCGCCGCTCATGAACCTGCGGGTCGCCAGGTCTCGTTTCATGTCGACGAG
 GACGGCGCCGACAGGCGGATCAGGGACTCGCGTGAGGGGAAGACTGCACGGCGCGGGTGCGTCGCTTGA
 TCTCGGCGTTGGCGCGTTCTCTGCAGTTGTTGGTGCGCAGCCTGACCCAGTGTTCCCGGTGGAACGCCAG
 ATGGGCCAGCGCGTCTCTCTCGCGTCTCTGAGCAGTTCGCCGGCGCGCCGGTCGATGGCGCCGATGCGG
 ACGACGGCCGCGTCGTAGGCGGCACGCGTCATGGCCGCGTCCGGCTGGCGTGAGCGGCGGACAGGGCGT
 GCATGGCGCGCCCCCTGGTCCTTCTGTGCCTGATGCGGGCGGTGAGGTGCGGTTGCATGTGCACGAAGCA
 ACGTGCCACGAGGCGCCGTCGAACACCTCCATGATCGCGCGGCGAAGGCCCGCGTGCGCGTCCGAGGTG
 ACCAGCCGCACGCCGCCACGCCGCGACGGCGCAGCGAGAGCAGGAACCGCTTCCATGAGTCGTACGACT
 CGGTGTCCACCAGGTGGAAGCCACGAAACGCCTCGTGCCGTCCATGAACGCGCCGATCGCGGTGACGGT
 GGCCTGGGAGCACACGCGCGAGTCGTCTGTCGCGGCACTTGACGTAGGTGCGGTCCAACCACAGGTAAGTGC
 ACCGGCGAGCCGGCGTCGAACTCGGCCTGGCGCAGCGCGTCGACCTCGCCGTCCAGCGAGGCGCGCATGC
 GCGAGACGGTCGACGGGCTCAGCCGGCCGGACTCCAGCTCGTCCGCGACCTTCTCGATCCTGCGGGTGCT
 CATCCCGTTGACGTATGCCCTGTAGACCACGCCAACCATCGCCCGGTCCACACGCGAGTACGGGCGCATC
 ACCCGTTCGGGGAAATACGTGTCTCGCGCGGCTTGGGCACCCGACGACGATCTCGCCGATCACCGTCC
 GAAGCCTTCTCTACGATAGCCGTTCTGCGGTTGCCCTCGCCAGCAGCTCGTCGGCCTCCAGTCCAT
 CGCGTGGTCGGCCACCGTCTCAATCAGGCCACCGCCAGAGCACGGAAATCGATCAGCCCGTCTCGCCC
 AACGGCATGTCATCCATCGTCAGGGCCACATCATCGGATACACTGGTCATCAAGGTCATCTCCTCAAATC
 AGTTGTTTTTGGCTTTAACCGATTCCAGGCGATGACCTCCTTCATACCCGGAGCCAAACACCAACATTTG
 ACACACAACCTCCTCAAGCTATTTTGTCTATTTTGCATGGGACTCTATCGGCAGTTTTGCGCGACTTA
 CGGGTTACTACGCCGTAAGAAACACCTAAACGGGATTTTGTATCCTCAATCCTGTATTCTTAAGTATGA
 CAAGTGAAAATCATTCCAACGCGCAGCAGCCCGCACCAAGCGCAGACGAAGTGACCGACGCCGGCATCGT
 CAAGGAGTACACCACCCACTCAAGCACGAGATTGATCCGGACATCAATCTGTTGACTTTCTGGAAGGG
 CGCGCGCAGCGCAATCCCGACGGCTCCATGGTGAGCTACAAAGACGCCAACGGCATCTGGCAGACCTTCT
 CGGCTACTGAGTTCCGAGACAAGGTGGTGCCATCGCCAGGGGACTTATCGGATGGGGCGCACGCGCAGG
 CGAATCCATCGCGATCATCGCGCACACCCGTTGGGAATGGGTGGCCCTTGACATGGCCATCATGTCCATC
 GGCTGTGTACCGTGCCGGTGTATGAGACCAACTACCTGCGCAAATCCGATGGTGTTCAACGACGCCG
 AAGTGGTGCTCGCCTTCGCCGAGGACGACGCGCAACGCGACAAGCTCGAATCCATCGCCAACGACACCCC
 ATCGATGCGTGTTTATTCGTATAGATTTCGGCCGCCATTGACGCAATCATCGCCTTCGGGGCCAAACGTG
 ACCGAGGAGCAGTTTCTCGAGCGCAAAGCCGCCGTCCATGGCGACACGTTGGCCACAATCATCTACACCT
 CCGGATCCACTGGCACCCCCAAAGGCGTGGAATCAGCCACGGGAACATGGCCGCCGAATGCATGGACGC

CCTACAGTACATGCCTCGCGCAATAGACATCCCCGACCGCCGCTTGCTGCTGTTCTCCCGCTTTCCCAT
 GTGTTGCGACGATTATGAGCCACGGTGGCCTTTGCCGGCACACTACTCTCGGCCTCACCAGCAATATGA
 AGACGATCATCAAGGACTTCGAGGACTTCGGTCCCCTCTGCTGCTCGCCGTCCCGCGCGTATTGAAAA
 GGTGTACAACGCCGCTCCCAACGTGCAGGCACTGGTTTCGCCGGCCGCATGTTGCCCCGCGGCGTACGC
 GTGGCAGCGAATGGAGCAAGGCCAAGCAATCCGGCAACGGAATTCGCGAGGCTTGCGCATGCGCCATG
 CGTTCTATGACGCCGTTGTCTACAAGAAGATTGCGACGGTGTTCGGCCGCAATGCCGACTTCGCCATCAC
 CGGCGGCGCGCCGATGGACTCGGATCTGGCCATTCTACAATGGCATAGGCATGCCGCTGCTCGAAGGC
 TATGGCATGACGGAGACCTCGGGACCCGTTTGTGTCTCATTGCCTGAGAACAAACCACATCGGCACCATCG
 GTCAGCCTCTGTGCGGCACGACCGCAGGCATTGCCGAAGACGGTGAAGTGTGCTTCAAGGGGCGCGACAT
 CTGCATGGGATATACAACCAGCCGGAGGTGACCAAGCAGCAGATTGTGGATGGCTGGCTGCATACCGGC
 GATCTGGGTGACATCGACGATGAGGGTTTCATCCACCTACCGGCCGTAAGAAAGACCTCATCATCACCG
 CCGGCGGCAAGAACGTCTCCCCTGGGCATTTGGAACCACTGTGATGACTTCGCCGGTCTGAGCCCAATG
 CCTGGTGATCGGTGACCGCAAGCCGTTCTGTGGCGGCTCTCGTACCCTCGACCTCGAAGATGCGAATGCA
 TGGTTGACCTCGCAGGGAGCCAAACCGGCAGCCGATCTGGAAGAGCTTTCAAAGAACCCAATCGTGACA
 CCGAAGTGGAGCGCATTGTGAACAAGGCGAACGAAGGGGTCTCCCGGGCTGAATCGATTGCAAGTTTGA
 AATACTGCCCCGACGAATCACTTCGGAACGGCATGCTCACACCAAGTCTCAAGACGCGGCGCAAGCAG
 ATCATCGACCATTACCGCAAACTCATCGACACGGTCATCTACGTGCCACGCAAAAAAGCCAGCTGACCAG
 CTTTCGGAATGCATATAAGGAGGCCTGTGCGATTCCCGGGAATCGCACAGGCCTCCTTATATTGCGCATG
 GCCTCATGACGCTGCTCCATGCGGGCTTTGTTAGGGGAAAAGCCCCGAGCCAGCATAATCCAAGACACT
 GCGACAATAGCCAGCATGACGGCGAAAGTCCATGTGCCGCCAACCAGTGGCATGCCTGTATACAGGCG
 TTCCCTCGGCACCATGACCAGCCTGCGCGATGGCCAGGATTGTGGAGAACAGCGTGTTGCCGGCCGCTCC
 ACCGAATTGCAGCGCGGTGTTGAACACGGCGTTCCCATCCGGCGTGAAGTCAAGTGGTGGATGCCGGAGATG
 GCGTCCGTCATGATATTCGAGAAGCCGAGGGCGTACCCCACTCCGAAGATGAAATAGAACGACGCCATGA
 GCACGGACGTCAGATACATGGAGAAGCCTAGGAATAGCACCAAGGCGCCAAAGCAGCAGGCGAATGCCCC
 CAGAATGGGCTTGGTGGGACCGTGCTTGTGCTACAACATGCCGCCAACCAGCGCAAAGAACGCGCCGATG
 AGGGCCCCCGGCAGCAGCAGCATGCCCGCAACGAGCGCACTCGTCCAAGGCTCAGCTGCGCAAGGTTGG
 TGATGACATAGCCGAAGCCGATTCCACCATGGGCAGCAGCGTGACGGAATGAGGTGGAGCATCACCAC
 CTTGTCTTTGAGCCATCCAGACGGATGAGCGGCGAGAACGAGCGGCGAGACGACCACACGAAGAACACA
 AGGGCAGCCACGCGGACAGCGAGACTCACGATGGCGATGGCGGCCGACCGGCCCCACGGCTCACCGGACA
 CGCCCTCACTTACGGCCACGCCACCTTGGTTAGCGAGAGAATCATGCCGGCGAGTCTTACGATGATGGC
 GAGGAATTGCAACGGATTGAGACTACCGCCTCCGTGGGCTTCTGTCTGCGTGATGCACTTGAGTCTATG
 GGCAACGAGATGAGCACAATAACGGGGATGACGATGACGAAAATAGAACGCCACGGCCAGATACTGGCCA
 CAGCGCCACCAACGGTGGGACCTATGGCCGTGCGACGGTGATGACGAGCGAACCACGCCCATGAGCCT
 ACCACCTTGAGCGGGGAGACTGCTCAAGAATGATGTTGATCATCAGCGGCGTCGCGATGCCGGAACCC
 ACACCTTGAATGACGCGGGCAACGATGATGACAGGAAAGCTGGTGCCACGATCATGATGAACGAACCGA
 CAACAGCGAGCGCCACAGCCGCCACGAATACGGATTTATTGTGAAACGACGCTTGAGATAAGAGGAGAC
 GGGCATGGTGACACCCACCGATAGCAGATAGATCGTGGTGATCCATTGCACGGTCGAGTGTTACCCGAG
 AACTCCACCATAAGTTCGGGGAACAGTACGGTCATACGGTTTCGGTCAGGATTCTATGAATGCCAGGG
 ATCCACCGAAACGATCGAGCCGATGAGCTTCGGGGAAATGCGATCGTCATTGCGCGCCGGGTTGCGGAT
 CCTCTTCTTCCGCCCTGTGTGCGTGCCTGCTATTCTTGCCCTTTCATCTGTGAGCGTTGAGTTTACC
 GGGATGCTCGGTATGCGCAGGATCTACCGGTTCCGTGCGTTTCCGTTCTGTCTGGGTGCGGGCCGGTGGA
 GCCGGTTCGCCGTGTATGATGGCGCGAATCCGGTCGAGCCGCGGGCCTATCTCTGTTTCATAGCCGCGAC
 TGTGTTGGATGATAGTATTACGCCCGACGAGCAGTCAGGCATGTACTGCTGTTCCACCACCGCATTCCG
 GTAATCATGGGCGTAGTGGTACCCTTCTGTGGTTGCCACGATTCATCAATGTCGTGGGTGCATTGCGA
 ATATGACGCGGCACCTGACCTATGAGCCCCGATCCACATCGGCCAATGCCTGATTGATGGCCGTATAGC
 TGGCATTGACTTCGGCGCGGTGCCACCGCTATCGCAGCCTCCGATAGAATGATCCGGGCCTCCGGCAT
 GCCAATCATCTGCACCGCTGCGCCGCGGCCACGGTGATCTGCAGGATCTGCGGTGCCGCCATACCGACC

TCCTCGGCAGCGGCGATCATGATGCGGCGCGGATGAACCTCGGATCCTCCCCGGCCCGGATCATGCGGG
 CCAGGTAATGCAGCGTGGCGTCCACATCGGAACCTCTCATCGATTTGATGAACGCCGAGATCACATCGTA
 GTGATCGTACCCTTCCTGTCATACCTCACAGCCGCCACGTCCATCACGGTGGAGACCACGTCTGTGGTG
 ATTTCCGGCAGGAACATTCGATCCCGATTCTGCAACTGCACCTGCTGCGGCCTCAAGTATGGTCAGAGATT
 TCCTGGCATCTCCGCCCCGCCAGACGAATGATCCCATCCACGGCATCGCCTTGACACGCGCACCTTGCCGCC
 CAAGCCTCGAGGGTTCGACACCGCCCGTTGATCACGGTCCGAAGCTCTTCAGGTTCCAACGATTGAGC
 TTGACCACGACGGAACGGCTCAACAGCGGTTTGATCACCGAGAAGCTCGGGTTCTCCGTGGTCGCCGCGA
 TGAAGGTCACGTCACGGTTTTCCACGCTGGGCAACAATGCATCCTGCTGCGATTGGAGAAGCGGTGCAC
 CTCGTCGATGAACAGAACGGTCTCTTGCCCTTGACTACCAATCGCTCATGGGCACGGCGCAACACCTCG
 CGAAGATCCTTGACGCCGGACGTGACGGCGGAGAGCTCCTCGTACTGCCGGCCGGATTGCTTCGCGACTA
 TATGGGCCAGTGTAGTCTTGCCACACCCGGTGGCCCGAATAGAATCACCGAGCTCGGGGCGGTGAGCGA
 ACCCGTCGAGGCCGAGTCGGCGAGACGGCGCAGCGGGATCCCGGCGCAAGCACATGGCGCTGCCCCACC
 ACTTCATCGAGGGTGGTCGGACGCATACGCACCGCCAGCGGTCTACCACTCTTCTGATGGGTGCTCG
 CCGCGAATAGGTGTTCTGTCATGTCATCGCTCATAGACAACAGTGTAGCCACCAAGACGAATTCGAACAA
 ATGTTGACGCTATGGTGTGTCCATCATGCTCTTCGACTAGCATTGCAACGGAATATGGATGCGCAGGCG
 TGAGGAACGAACATGGCAGAGGCAGATGACGAACGGACGGCATTGATGAGATTGGTTCCTCCCCAGGGG
 AGGACAACCGATCGCTGGATGCCGATGAGATCTATGAGCGATTCTTCGACTGGGTGGTCGAGGAGCGTGG
 CATAGAGCCGTGGCCGCATCAGGAGGAGGCGGTGCTCGACCTGCTGGCGGGGGATCATGTGGTGCTCAAC
 ACACCTACCGGCTCGGGAAGTCACTGGTCGCGCTGGGCATGCATTCGCGGCATTGTGCACCGGGCGGC
 GCTCATACTACACCGCGCCGATCAAGGCACTGGTCTCCGAGAAGTTCTTCGAGCTGGTCAACGTGTTCCG
 CAGGGAGAATGTGGGCATGATCACCGGCGACTCGCATATCAACGCCGAAGCGCCGATCATCTGCTGCACG
 GCCGAGATTCTCGCAACCAAGCGTTACGGGAGGGGCGTGGGCTGACATCGGCTGCGTGGCCATGGACG
 AATTCCATTACTACGGCGATCCCGAACGCGGCTGGGCATGGCAGGTGCCGCTGCTCACCTCCCCAGGC
 CCAGTTCCTACTCATGAGCGCAACGTTGGGCAATGTGGACACGATTGCAGATTCGCTCGAGGACCTCACC
 GACACCGACGTGGACATCATTGCCGAAGCACGCCGCTGTACCCCTCAGCTACCGATATACCACCGATC
 CACTTGAGAAGACGGTGGAACTGGCGGTGCAGAACGGTGAGACCCCCATTTACATCGTGCATTTCTCGCA
 GGATGCCGCACTCGACACCGCGCAGTCGCTGTGAACACCGGGGTTTCCACCAAGGAGCAACGCGAGGCG
 ATTGCCAGGGCGATGAAGGGCACGAAGTTCACAACGGGCTTCGGAAGATCCTCCAACGGTTGCTCCGCA
 CCGGCGTGGGAATCCACCATGCGGGCATGCTCCCCCGCTACCGCCGTCTGGTGGAGCAACTCGCCAGCA
 GGGGCTGCTACCCGTCTGCGGCACCGACACGCTTGGCGTGGGCATCAATGTGCCAATCCATTCCGGTG
 GTTCTGACGCAGCTGACCAATTCGATGGCACCCATATGCGAAAACGCTGCACGTGAGTTCATCAGA
 TAGCCGGACGCGCGGGCCGCTCGGGCTTCGACACCGAAGGACTGGTGATCGCCGAAGCCCCGAATACGA
 GATCGAAAACGCCGTGCCCTGGCGAAGGCGAGGCGTGATCCGAAGAACTCAGGAAGATCAAGCGCAAG
 AAAGCACCGGAGGGATTCTGTGACATGGAATGAGTCCACCTTCGCCAAGCTAATCGGGAAAGAACCGGAAA
 CGCTGATCCCCCATATGAAGATAACCCATTGATGGTGCTCAATGAAGTCGCCAGGGAGGCGATGCCAG
 AAAACGCATCGACCGGCTCATCGAAGATTCCGCGCAGACCGATGAGCAGAAGAACGCACTTCGACCCGC
 GCCGATGAGATCTTCGCACACTCATCGACACCGATGTAATCGAAATCGAACAGGAAGACGCGCCGACT
 ACTACTACACCACCGTCGATCTTCGCGAGGATTTGCGGCTCGACCGCCGTTAAGCCCATTCTCATCGC
 CGCCCTTGAATTGCTCGATCCCGCTTCCCGCTGATGCACTCGATGTGATCTCTATGGCCGAAGCCACG
 TTGGAAGATCCAAAGCAGATTCTGCGCGCCAGGAGCGGCGAGGCTCGGGACAAGGCGATGGAGGAGATGA
 AGGCCGATGGCGTCGATTACGATGAACGTCTCGACCGTCTGCAAGACATCACCTATCCCAAACCATTGAA
 TGACCTGCTCACTGAAGCATTCGACCAAGTACCGGAAAGACGTTCCCTGGGCCAACGACTACTGGATCAAT
 CCCAAGTCCGTGGTGCAGGACATGGTCGAGACTGCATCCGACTTCAACGGCTACATCGCCCGGTACAACG
 CAGCCCGTTCGGAGGGGACGCTGTTGCGCTATCTGTCTGATGCATACCGTGTGCTGGCCAGAACGGTACC
 CCGGAGAAAACGCAATGAGGAACTCGACGACATCATCGCATGGTTGCGCGTTCTGGTCCGCTCCATTGAC
 TCCAGCCTCGTGGACGAATGGGAAAACGCCGGCACACAGGCGCAGGAGGCCGCAACCTCGCCGACCGA
 ATGTGGCCAACGCCGTGGTGAAGATCGTCGCGGGCTCATCGTGTCTCATCCGAATGCGATGTTCCGCCG

TGTGCAGCTCATGGACCTCGACCGGCCTGATGAGTTGGGTGCACTCGACAAGGCATGGCATTACGATGTG
 CACACGTGGGAGGATGTGCTCGATGACTTCTATGACGAGCAGAGTACGTGAACACGGATGCCGAAGCCC
 GTGGTGGTGAGTATTTCTGTTCTCGACACTCGCCATGAGCAGGATCGCCACGAGTGGACGGTGCGCCAAAT
 CATCGATGATTCGACGGCGACCATGACTGGGCAATACCGGCACTGTGAATCTCGATGCCACGCAGGAA
 AGCGGAGAAGTGGTGTTCACCGACTATTCGGTGCCTGACGTAGTCAACGACAACGATGCCGCCACCGTAA
 AAGCGCAGTGAGACCCAAATAGTATTCACTCGACGCCGAGTCTGGCCAACGCCTCATCACGGTCGGCGTC
 GAGTGGCGGCCAGGTCTGGTTGAAATCTTCATGGTCGTGCGCAGCAACTCAGAAACGACCATAACGTGAG
 TACCATCTCTTGTCGCGGGGATCAGATACCACGGGGCAATCGAGGTGCTCGTCCGTTTGAATACTCTCT
 GCCAGGCCGCCATGTAATCATCCCATCTGTACGGGGCTTCGAGATCGGAGGGGTGCAACTTCCAGTATCG
 TGTCCGATCATCGAGACGTGCGAGGAAGTGTGTCGCTGCGCTTGCCTGCTCGACACGAGAAAAATCTTG
 ATGATCGCGCAACCTGACCCGGCGAGCTCTGCTTGAAGTCATTGATCTGCCCATACCGTGCGCGCCATG
 TCTCTCAGGCAGGGAACCTGTGATGCGTGGCATCACGATGTCTCTGTAAGTCGGAACGATCGAAGATGGA
 TATCCAGCCATTGACGGCAACTCCCTGCGAATACGCCACAGGTAGTCATGGGCGAGATCCTCCTCGCTT
 GGTTTGCCAAAGCCATGGTAGTGAATACCCATTGGATCCACCTGACTGAATACATGGCGCACAATGCCGC
 CTTTGCCGGAGGCGTCCATGCCCTGCAGCAGATGAGCACGCGATGCGTGTGCCATGGATGCCATTGGC
 ATACATGAGCCGCTGATAGTTGGCTATTCGAGGCTGCTGTGCGCAATGAACCGCTCACCAGCCTCTTG
 TCACCGTCAAACCCCGGTTTCGACCCGGCATCGATGTGACCAAATGCGTATGTGAATGGAACCGCAATA
 ACTGCGCCGGGGCAACGACCATAACGGCACTGAGCGTTTCACTGCTCTTCGCTCCCGGGCGAGGCGTTC
 GGCCACCTTCTGCGCTTGCCTTCTGCCACCGTGATTGATTGCGCTTTTTTCGAACCTCTGCCGTTTTTC
 TTGTCGCTTGCCATACCAACATTCTAGGCATGTGACACGTGCACTGGCCAAAAACGAATGTGGGGTGCGC
 AGATGCGCACCCACATTCGCATGCCGTATGCGTTATGGTTCACATGGATGGTCGGTCACCGCTCCCTG
 CACCCTTGAATGGTGGTGCATATGGTGCTCGGCCGGAACATGCTGGCTCTGTGGCTGTGTTTCATCGTA
 GCCTTGACATAGCGCTGCGTCGCCATCCATGGATCCTCGATTGGTGCCACGATGGTGCACATGATAG
 AGGCGCTGGGAACCGCCAAGCGGGCGCCCTCCTTCGCCACCGCGATCTGGTTGACGTTGGACGGGTCCA
 TGATGGCAATCGGTGCCACCGGCTCGGGCTCGGTTGGCGCGAGTGTGTGCTGCTGCATGCGCACCGGCAG
 CCATTACGCCAGTCTCGACAGCAGCCAGCAGATGATGAAGTAGATCACAGCGGCTACAACGAGCGTCTGC
 AGAATATTGAAGTACATCGAGCCTAAGCGTCGCGACTCCTGCAGCAGATCGGTGTACATGATGATCGAAC
 CGAGCGCCGTGTCTTTGAGCACGACGACGAGCTGGGTACGGCAGCAGGCAGCATGGCGTAGATGGCCTG
 CGGCACTTCGATGCTCATCAGCGACTGTGTACGGGTCATACCCAGTGCCACTGCGGCCTCATGCTGGCCG
 CCCGGCAGGTTTCCGACACCCGAGCGGATGAGCTCGGCGACAACCGAACCCTTATAGAACACGAGCGAGA
 TCACGACGGCCCAATAGGAGGGGCTCGGCAGATCCAGGAAGGCGAATGCACGCCAGAAGAAGATCATCAT
 GATCAGCACCGGAAGTGCACGGCAGAACTCGATGACAATCGCGCAGATTCCTGACGATCCTGCTCGGC
 AGCAGACGACCGATGCCGAACACCAGACCGAACACGACCGAACCAGATACCGCCAGGAACGCCGCGCGCA
 GTGTGGCCCATAGGCCCGGCAGATAGAAGTCCGACCACGCTTACCGTCCAACGCCGGCTTCCACAATTC
 CCAGCTGAGCTGGTTTTTCGCCGTCCGGTGGATTGTGCAGACGCAGCACAATGAGCACGAGCACGACCACG
 AACAGAATCGTGGCCACCCAGTTGATGATGCGAATGCGCTTGAGGCCCTTGGGGCCCGGCTGGTCAACA
 GCAGGGAGCTTTCGTCTGAATTACCCACGGTTACCTCCTGACTGCGAGCTTGTGGACAGGTACGTGGT
 GAGGATGCCGATCGGCAGGATCAGAATCACGTATCCCATCGCGAAGATGAGGAAGATCTGGATGATCACA
 TCGGGCCGGAACCTGATCATCTCGCTCATGAGCGATGAGGTCTCGGTGGCCACCGACGCCGCTGCAGCGA
 CGGTGAGATTCTGAGCAGTGCATCAGCGTGTGCGGAGCGGTGCAACAGATCCTCGAATGGCCTGCGG
 CATGATGATCAGTGTGGCGGACTGCATGAAGTTGAGGCCATGGCCGAGCCGCCTCCGCCTGCCCTTG
 GGCACCGTATTGATGCCCCGAGCGCAACGATTCCGCCACGAATGCGGCGGTGTACAGGCTCAGGCCAGTCA
 CGGCGAGCCAGAAGAAGTTCGTCTGGAAGTTGTCGGAGAAGCTCAGCTTGAGCTGCGCGAACGCGCCAG
 CACCATGAACACCATGATGATCGTCAGCGGCATGTTCTTGAACAGCTCGACATAGCCGGCCGACACCTTG
 CGCAGTGACGAAACCGGTGAGATGCGCATCATGACGAGAATGAGTCCCAGAATCGTCGAGAACAGCGCAG
 CCCATAGCGTCAGTTCGATGTTGACGAGGAACGCACCGGGAATGTTATAGCTTCTGAACAGGGAAATGAA
 TCCTTCCATGCCGCTCACTCCCCTTCGTCCGGTGTGCGTGGGTATATTTTCGATCCGGTTGGTAATCGG

TGCCTTCGGTGTTCTTCTCGATGGCCCGTTCCCACTACCGCTCTTGATCATGTCTTCAATGGCGGCGTT
 AATCTGCTTGGCGAATGCGGTGTCAACCTTCTGATGCCACCCCGTAGTATTCTGCGTGAACGGCTTG
 CCCACCACACGCAGCTTGCCACGGGACGCCGAGGCCAGACCGGCCAGAATGATGTCATCGGTGGTCACCG
 CGTCGACGATGCCGAGAAGAGCGCCGTGGCGCATTCGGCATAACCGGGCTGCTCCATCAGCTGGACCTC
 CTTGGCGAATCTCTCCTTCAACACCTTGGCCGACGTGGAACCGGTACGAGACAGGCGTTTGCCATTG
 AGGTCCTCCGGACCGTTGATCGAATGGTCGTCTGCGCGCACCATTAGATCCTGCCCCGCCACGAAGTACG
 GCCCCGGAACGAAACCGCCTTCTTGCGCTCGTCGGTGATCGAATAGGTCGCCAGGATCATGTGACATC
 ACCGTTTTGCAACATGGCTTCGCGTTGTTTCGACGGAGCCTCGAGGAACTCGATCTCGGCATCGGTATAC
 CCCAGTTGATTGGCTACATATCGTGCCACGTGACGTCAAAGCCTTCGAATGTGCCGCTCTTCTGAATC
 CCAAGCCAGGCTGGTCGATTTGATGCCGATCCTGATTTCTTCTCGCCGTCCGCCGACGACGAACCGCA
 GGCCGCCATCCCGAACAGCGCACTGGCGGCGCACACCATGGCGATTGCCTTGCGCGCCAACCCCTTCTTG
 TATCTATGTTTCATCGTTCTCCCTTCAACGAGCCATGCATGACGAACAGATTCCGCTCTCCTCAACGGA
 ATCCATAGGCGTGCATGGCCATACTGCATCAGTGCCTGAGAATCTTCGACAGGAACTCCTGGGCACGCT
 CCGTCTGGGGGTGCTCGAAGAACTCGTCGGGCGTGCCACGTTGAGAATCTGGCCGTGGCCATGAACAC
 GATCTTATTGGCCGCTTGC GCGCAAAACCCATCTCGTGTGTGACACACAGCATCGTCATGCCTTCTTG
 GCGAGTTCGACCATGACGTGAGCACTTCTTGACCATCTCAGGGTCGAGCGCCGAGGTGGCTCGTCGA
 ACAGCATGACCTTCGGATGCATGGCCAGCGAGCGCGCGATGGCCACGCGCTGCTGTTGTCCACCCGATAG
 CTGCGACGGCATCTTCATGGCCTGCGAATCGACGCCGACTCGCGCAAGCAGGTCCATGGCCTCCTTCTCG
 GCCTGATCGCGTCCATGTGACGCACCTTGATCGGCGCAAGCGTGACGTTCTCCAGGATCGTCTTGTTTCG
 CGAACAGATTGAACGACTGAAACACCATGCCCATTGCGCGCGCAACTGGGCCAGACCCTTGCCCTCTG
 GGGCAATGCCTGGCCGTCTATGCGGATGACACCGGAGTCTATGGTCTCCAATCGGTTGATGGTGCGGCAC
 ATCGTCGACTTGCCCGAGCCCCGACGGTCCGACAATCACGAGCACCTCGCCCTTGTCTACTTTAGATTGA
 TGTCGCGCAGCACATGCAGATTACCGTAGTACTTCTCCACATGCTCGAGTTCCACGAGATGATGGGCGTT
 CTCGCCGCTCGGCGACAATTGTTCCACAGTGTGTTTTGCTCATAGCGGCATAGTTTATAATCCCATGT
 GTAACGAGATGTTACCTCTGTTGCTCATCACGGAATATTGGGCCGATATCATGCAAAATCAATGCCCT
 GATGTCTCATATTCCGAAATAAATAGACATATTATAGTCTTTGTATATTTGCGCAGAATGAGTGCAAAC
 GAGTCACGCCACCTCATGATGCGTCTGAAGGAATGCCACCGCTCGCCTATCGCACGCATGCGGTATCG
 CCGTTGAACTTGTGGTCGAGGTTCTGTACAGGCTCACGGTGCAGTTGCCATAGCGTTGCCGTAGTTGT
 GCGCGCAGCTGGGGTCGATCACCTTGTCTGCTCACCTGGATCGCCAGAGCGGGTCCCTTGAACATCGC
 AGCCGCCTCATACACCGGAATCGTCTTGCGGATGCGAGAGTATTTGCCTGCGACCTCATGCTTGCCATCC
 GCGAGCGCGATGCGCCGTGGAATGTGATAGGGGTGCAATGGGACGCCAAGCACACGCCACGCAATGCGT
 CATCCTTGATCGAGGCCGAGGCGAAAGCAGGACTAGGGAATGGACCACATCGGCATACATACCCGCCGT
 CATGCCTGCAATCACACCGCCTTGTGAATGTCCGAGCAATGAGATCTCCGCTGGCTCGAAACGATCACGT
 ACAAATGAGTACCGCGATGGCATCCTCCACCTGATTGCAGACGTGGAATTCGAAATGATCCGTAC
 TGTTGCCACGACCGTTGAAATCGAACCTCACGGACGTGAATCCCGCTTCGACGAGCTGGTCGCTCACCTG
 CTGAAGCAGGCTGCCGGTTATACCCAGATCGGCCATGAACCCGTGCATCAGAATCACACCGGCCCT
 TTCGGTTCGCCCTGTGGTGCGTCGATGCGTCCATGAAGCCTCAGCCCATCACGCATCACGGTGATTTCCT
 CGGTATGTGTGCTCGTCGCATATTGCCTCCTGCATGGGATGCACGTAAGTGTGCTGCTCATCTCATCGT
 AATGCGAAGAACCCGTTCTTCTCGATTCAAGCTATTGGCTATAACAGACGCCCCATACATGACGGAAG
 CGGCCGCCCGCTAGGGTCGGCCGCTTCCGTATGTATGGGGCGTGATGCGATGCAATCACATGATG
 GCGTTGAGCCACTGCTCCTTGGTCGCTTCTCGGCCCTCAGCTTCGCTTCTTCTTGGCGTCCGACTCCT
 TGGCGATCTGTTCTGTTCAACTCGGCGAGCTGTGCTTGAAGCTTCGAAAGCTCGACTACGGGCATC
 GGCCTCGGGATCGGTCTTCTTCCAGGCAGCATCTTCGACGGCCTTGATCTGGTTGTCCACGGCATCCAGA
 CGACCTTCGATGCGACGCATGTCTCACGAGGCACATAGCCGATCTGATCCACTCCTCCTGAATCTGCG
 CGAGCTTGACACGTGCTGCTTGGCCTGTTCCCGGTCTCCACCGGCACGAGTGCTCGGCCTTCGCCAA
 CAGCGCCTCCTTCTGCGCCAGATTCTCCTTCTCGTTGGAGCTGATCTGTTACGGTTCGGCCTGACGCGCA
 TTGAAGAACGTATCGGCGGCGGCGCGGAAGTGTGCCACAGTGCATCATCCTATTACGGCCGGCACGGC

CTGCCTTCTTCCAACGGTCCATGAGTTCGTTGAACTTACGCGAGGTCTCGCCCCAAGCTGTGGAATCCTT
 GATTCGTTGGCTTCGGCGATGATCGCCTCCTTCTGCGCTTGGCATGGGACCGCTCGGCATCACGGGCC
 TGAGCCCATTTGCGCCGAGCCTGTTGAAGGTGGTGCCTGCCCCGAGAAGCGCTTCCACAGAGCATCCG
 CCTCGGCTTTGTCGATGCGGATCGTAGTGCCTGATGCTCCTGCCACTGCTCGAACAGCGAACGAACTT
 GTCGGCAGTGGAAACGCCAGTTCGTGTTATCACCCAGTCCGGCGGCAAGGGCCTCGGCCTTCTCCACAATG
 GAGGTGCGTTCGGCGATTGCCTTGGTCATGGCCTCCTTGCGGGCTTTTCGCGATGGCGTCCTTCTTCGCCG
 CAGCCTTCTTGCAGCTCTTCCAAGTGCAGTGGAGTGCGGGGATGTCGCCACGACCGCCGGCTGCTT
 GACTTCCTCCGTGAGCGCGGCGAGCGTCTCGTCGATCTCACGGGGCTTGATCGAATTGGAATTGAGTCTA
 TTTGCGAATACGTGAGTTTGGCCTTGAGGTGAGGTAACGGCGCGCGTACAAGGCCAATGCCTCGTCGG
 CCGACGCATCGGGGAATTGCCCCACCTCACGCTCTTCTCGCCCTCCTTACGTATACGGTGCCGTTGCC
 ATCCACACGGCCGAAGCTCTCCGCCTCCTTGAGCTCTACATCGTCATGTGACGACGATGACGCCAGATGA
 GCCACAGGGCTCTTGGCGAGAACGGCCGGTGAGGGAGCATGCGCCTTCATGGCCGCCGGGCTCGGCACGG
 CTGCGGCCGGCGTCTGCGCTCGTCTGCGACTGCGTTGTCTGTGGTCTTGATTGCGGTGACGTTGGA
 ATCGGCCATGGTCAGCTCCTTAGCTTGCAGATGGGGAGGGGAAGCACATTCCCTTCTCGGAACACACT
 AGCCAGTATAGACAAGACTCACGATAGTCCGCCACCGACGTTTTTCCCCGACCCCACTTATTATATGGA
 ACGTGGCAAAAGGTGCATCTATATCAGTTTCCAGAATGGCTCCCCGCTGAACGCGTGGTGGAGCAGCG
 TGTCATCGATACGCTTCGTGAGGTATTCGAGCTCAACGGGTTTCATCGGCATCGAAACGCGTGCCGTGAA
 CAGGGGTCGAGTCTGTTGAAGAAAGGCGAGACGAGCAAGGAGATCTACCTGCTCTCCGTCTTCAGGAGG
 TCGGCCATGAATCCGACATCCCTGTGCAACAACGGCTCGGCCTGCACTTCGACCTGACGGTTCGCTGAG
 CAGGTACGTGGTGGAGCATTCCGGCGCGTTGCCGTTCCCGTTCAAACGCTGGCAGATTGAGAAGGTGTGG
 AGGGGCGAGCGCCCGCAGGAAGGGCGTTTCCGCGAGTTCGTGCAGGCCGACATCGACGTGGTGGCGACG
 GCACGCTCCCTTCGCACTATGAGGTGGAGTCCCGTTGGTTCATGGTGAACGCATTGGAACGGCTGCGTGA
 ATTCGGCTTGCCGAAGGCCACCGTGACGCGAACAACCGCAAGCTGTCCGAGGGCTTCTACCGTGGGCTT
 GGTCTGACCGATATCGAGGGTGTGCTCCGCGAGATTGACAACTCGACAAGATCGGCCCCCAAGCGGTGA
 CCGATCTGCTCGTTGAGACCTGCGGTGCCACCGAGGCACAGGCGAATGCCTGCCTGGAGCTCGCACAGGT
 CACCGCGGAGGACGGCCAGGAGCTCATCGAGAAGTTCAATGGACTGTGCGAAATCCACCATATCCCGTTC
 GACGGCGACGAGTACGCCATGGCCAAGGAGGGTCTGGACACCCTTCAATGATCATCGACGAGGCCCGCC
 GCATTCGCCCCGGTTCGGTCATGGCCGATCTCAAATCGCCGCGGGCTTGATTACTACAGGGCTCCGT
 GTACGAGACGTTCTCGAAGGAGCGAGCGATCTGGGATCGATCTGCTCAGGTGGCGTTACGATAATCTG
 GCCACGCAGGGCAACCGCAAATACCCCGGGGTGGGTCTCTCAATCGGCTTGTCTCGCCTGGTCTCTACA
 TGCTGCACAGGGCGGGCGCCACGGCAAGCCGCATGTCGCCGGCATGTGTGCTCGTGCCGTATGGGACGA
 GGAGAACCGAGGGGATTGCAACGCCATCGCCAATACGTTGCGTTCGCCGCGCATCGCGGCCGATGTGGCG
 CCCACGGCGGCCAAGCTCGGCAAGCAGATCAAGTACGCCGACAACTCGGAATCCCATACGTCTGGTTCC
 CGAACGAGAACCCCGAGAACGACGGCAGCGACGAGGTGAAGAACATCATCACCGGAGATCAGCGTCCAGC
 TGATGCACAGTCGTGGCAACCGGATACTGTGTATGCCAGCAAACCGTTTCCATCAATGCCGACAACCGT
 TGAAAAATCGGCGTTGAGAACAGTTTTATCCAAGAACAATGCAATGGAGAATAGAGGAAGCATGAGCCAG
 CAGACGGCTTATCGTACACATCACGCCACCGACGTGACCGAAGTTCTGGTCGGCGAGCACGTCACGCTTG
 CCGGTTGGGTGGACCGCCGCGGTGATCATGGCGGCGTGGCCTTCATCGATCTGCGTGACAACACCGGTCT
 GGTGCAGGTGGTCATCAACGAGGAGGAGATGGCTCGTCCGCTGCGCAGCGAATATGTGATCGAGGTGGAC
 GGCAAGGTTCCGACGCTCCGGAGGGCAACGAGAACGACCATCTGGCGACAGGCAAGGTGAGGTGCTGG
 CCGAGAAGATCCGCGTGTCTGCAAAGTCCGACGCGCTGCCTTTCAGGTGTCCACCGCACTCGAAAACGA
 ATCCGAGAACAAGCTGCCGGGTGAGGATGTGCGTCTCAAGTACCGCTACCTCGATCTGCGACGCCCGGCC
 ATGCAGCGCAACATCAAGCTGCGTTCGACATGATGCGCGCCGCCCGCAGGCTCGACAAGCTCGGCT
 TCACCGAGGTGAGACCCCGACGATGATCAAGTCGACACCCGAGGGCGCCCGTGAATTGTTGCCCCGGC
 ACGTCTGGTTCCCGGTTCTGGTATGCGCTCCCCAGTCCCCGAGCTGCTCAAGCAGCTGCTCATGGTG
 GCCGGTGTGCAACGTTACTACCAGTTCGCCGCTGCTATCGCGACGAGGATTTCCGCGCAGACCGTCAGC
 CCGAGTTCACCCAGCTCGACATGGAGATGAGCTTCGTGGACCAGGAGGATGTCATCGCCATGGCCGAACA

GGTGATCAAAGCCATCTGGAAGGCCGATGGATACGACATTGAGACGCCGATCCGTCGCATCCCATGGCAG
 GAGGCCATGGACAAGTATGGCTCCGACAAGCCTGATCTGCGCTTCGGAAACGAGCTCATCGAACTCACCG
 ATTATTTCAAGAACACGCCGTTCCGCGTGTTCCAGGCCCATACGTGGGCGCGGTGCTCTTCAAGGGCGG
 CGCCTCCACTCCCCGTCGCCAGTTCGACGCCTGGCAGGATTGGGCCAAGCAGCGTGGTGCCAAGGGTCTT
 GCGTACGTCGTGTTGCGCGAGAATGGAGAGCTCAAGGGACCTGTCGCAAAGAACCTCTCCGGCGAGGAAC
 GCAATGGGCTCAAGGAAGCTGTGGGTGCCGAGGATGGCGATGCCGTGTTCTTCGAGCAGGTGCCCCGGA
 ATCCTCCCAGTTGCTGCTCGGTGCCGTACGCGTCGAACTCGCCAACCGCGCCGGTCTGCTCGACCCGAAG
 AAATTCGCATTCTGCTGGGTGGTCGACTTCCCGCTGTTCAAGCGCACCGACGACCCGGACGACGACGACG
 TTGCAGTCGGCCATTCCAAGTGGACGTCGATGCACCACCCGTTCAATGCCGTGCAAGGACTGGATCGA
 CACCTTCGATGAGGATCCCAGCATGCGATGAGCGATTCTACGACATCGTGTGCAACGGTAATGAAATG
 GGCGGCGGCTCGGTGCGTATCCACCGTGACGACATTCAAGACCGCGTACTCAATGTGCTTGGCATCACGC
 CTCAGGAGGCTCAGGATAAGTTTCGGCTTCTGCTGGAGGCATTCAAGTACGGCGCGCCGCCGACGCGAGG
 CATTGCACTCGGCTGGGACCGCACGTTGCCCTGCTCGCCGGCGCGGATTGATTGCGATGTCATCGCC
 TTCCCGAAGGCCGGTGGCGGTGCGATCCACTGACAGGCGCACCTGCACCGATTTCGACGAACAGCGTG
 CGGAAACCGGCGTGGATTACGATCCGGAAGAGGATGAGGACTGACTTCTCGCCAACTGCTAAGAGCAT
 GGGGAATGGGGATGCACAGCAAACTGTGCATCCCCATTCCCCATGTGTTGTGGCACGCGTCTTCTCTC
 TGCACAGACGCGTGCCACAACACCCGCCGTGCGATACCCCTTGACACTCGGCCTGTTTCTGTTTCCC
 TTTTCTGTATTCGCTACCCTCCCCTATGTTTCTGACTATACAGCTTTCGAAATAAGATACCCTATTTCT
 TAAGTATCTTCACATACTACCCATATCCGTATTTTTCTTGTCTTCGTCGATGTTTTACCGATATGAA
 TTCAATGATGTCTTCACTGGCGGGAACGAAAGGGGCGGCGCGGACGGGATTCCCGTCCGCGCCGCCCT
 TATTCGGCGCTTATCGTCTCGAGGATTATTCGGCCTCACTCGCCGACGCCGAGGTTCCGGGCACGACATC
 CTTCGACTCGTCCCCTTCGCTGCCGCCGGGAGCTCGAAAGGCTCGCCGCGGAACGTGAACTCCCCGAGA
 ATGCCATCACCTTCGGCATCGACGATCACACGTTCTGTTGTCGTGCGATCGCCCATGAGAATCTTTTCGG
 AAATGGTGTCTTCGATATCACGCTGAATCACACGACGTAGCGGTGCGGCACCAAGCAACGGGTGCAAGCC
 CTTTTCCGCGAGCAAACTCTTGGCCTTATCGGTGAGGTGAGCTCCATATGACGTTGCAACAGACGATCG
 TTGATCTTCGTGACATCGAGATCGACGATCTGGCGCACCTGCGGTTCCGGTGAGCTGGCGGAACACGATGA
 TGTCATCCAAACGGTTGAGGAACTCGGGGCGGAACTGCTGCTTGAAGCTCGCTCGACACCTGGTCCTTCAT
 GCGCTGATAGCTCGATTGCGGTGTTGCCCCCATCGTGAAGCCTGTATTGGCGGTCTTCGCGATGTCACGC
 GTGCCGAGATTGGTCGTCAAATGATGATGGTGTTCTTGAAGTCCACTTTCGCCCCCTGGCCATCGGTCA
 AGTGGCCGTATCCAACACCTGCAGCAATGTGTTGAAGATGTCGGGATGGGCCTTTTCGATCTCATCGAA
 CAGCACGACGGAGAACGGCTTGGCGCGCACCTTCTCGGTGAGCTCACCACCCTCCTCATAACCGACATAT
 CCGGAGGGGCTCCGAACAGACGCGAAGCCGCGTACTTTCTGAGAACTCCGACATGTCGACGCGAATGA
 GCGCATCCTCATCGTCGAACAGGAACTGAGCGAGAGCCTTGGAAGTTCCGGTCTTGCCACGCCGGTGGG
 GCCGGCGAAGATGAACGATCCCGCCGGACGCTTCGGGTCTTGAGTCCACACGTGTACGGCGGATGGAG
 CGCGACAGCGCAGAGACGGCCTCATCTGACCGATGATGCGCTTATGCAGCTCCTTCTCCATCGACATGA
 GCTTCTTGATTCCGCTGGGTGAGCTTGAACACCGGAATGCCCGTCTGCTGCGAGATCACCTCGGCGAT
 CACATCCTCATCGACGACCATACGGACGTCGGATTGCCCCCTACGCCAGGACTTCTCTTTCTCTTTGCGC
 TCAGCCTCAAGCTTCTCTGCTTGTGCGGAAGCTCGGCGGCCTTCTCGAACTGCTGGTCCTTGATCGTCT
 GGTCTTCTCCTTGCGGATGCGCGCAATGCGGTTGTCAAGCTCCTTGAGCTCCGGAGGCGCGGTAAGGCG
 CTTGATGCGCAGACGCGCACCCGCTCATCGATCAAATCGATTGCCTTATCGGGAAGGTTGCGGTCTGA
 ATGTACCGTGCCGAAAGTTCTGCGGCAGACTGCAGTGCACCATCGGTGATCGTCACATGGTGGTGATTCT
 CGTAGCGTGACGCAACCCCTTGAGGATCTCAATCGTCTCGGCAATCGACGTTCCGACACCTGGATCGG
 CTGGAATCGGCGTTCCAAGGCGGCGTCTTCTCGATGTACTTGGGTACTCGTCGGTGGTCTGTCGCCCA
 ATGGTCTGGAGCTCGCCGCGCGCCAGCATCGGTTTGAGCATATCGGAGGCACCGAGAGCCCCGTCCGCGG
 AGCCAGCTCCACAATCGTATGAATCTCATCGATGAACAGCAGATGTGCGCCGCGGGTCTTGATCTCCTT
 GAGCACCTTCTCAAGCGTCTCTCAAAATCACCGCGATACCGCGATCCCGCGACCATGGAACCCAGATCG
 AGCGAATACACCTGCTTGTCTTGAGCGTCTCCGGCACATACCGGCGACGATCTTCTGCGCAAGTCCCT

CGACCACCGCCGTCTTGCCGACGCCCCGGCTACCAATCAGCACC GGATTGTTCTTCGTACGGCGCGAAAG
 CACCACCATGACGCGTTCGATCTCAGTGCTGCGGCCGATGACCGGGTCGAGTTTGCCGTCTTCGCCTCG
 GCCGTGAGGTTGCGCCCGAACTGATCCAGTATGGCGGAACCGCTCTGGCTGCGCTTGCTCTGCACGGAAC
 CCGCGTTGGCCATGTCGCCCTTGCTCCCTCACCGTTGCCGAGTTGCCGGAATCATGTCGATCGTGGT
 GCTGCGCAGGTCGGAAGATCGACGTCATCTTGATGAGCACCTGGGTGCCACGCCCTCACCTCACGA
 ATGAGGCCCAACAGAATATGTTGCGTTCGATGTAGCTATGCCCCAGCTGCAACGCTTCACGCAGCGAGA
 GCTCCAGCACCTGCTTGCGATGCGGAGTGAAGGGAATGTGGCCTGTCGGAGCCGCGGTGCCCTTGCCGAT
 CATCTCTCGACCTGCTTGCGGGTGCTTCCAACGTCACGCCTTTGGCTTCGAGAGCCTTGCGGCCACG
 CCATCTCCCTCACGAATCAGCCCAAGCAGCAGATGCTCGGTGCCGATGTAATTGTGCTGGAGGGCAGCAG
 CCTTCTCGCGAGCAGATGACCCGGCGCGCACGGTCGGTAAACCGTTCGAACATGCTTGCTCTCC
 ATAATCAATACAATTCCAAACCACTCTACAGAATTGCGGGAACGTTTATTTCCGTTTTCCCGCGAAATTG
 CGGGATGGGCGTATACGGCGCGTGCCGCATATGCGGTGAATGGCATGTACTCGCTGAACAGATTTGACCA
 TTGTATTATTTCCATCGCGCTATTTGCGATCACCTGCGATGCCGAGCAGGACCCCATGCTGATCGCTCAC
 GCACCGTGTGTGGAGCATGACACCTCGTGCCACTTACACTATGCTTAGATGTAGTGCGTATTCGACCAAC
 GGCAAGGAGATGTCATGGAACCGGCAACAGTGCAGTCGCTGAACCCACAGGGAGATCTGGTGGTGGGTG
 GGATGGCTCTCAGGAATCGTTGCGCGCATTGCGTTGGGCTTGCGTCAGGCCGCACTTTCCGGGCAGACC
 GTGAACGCCGTGTACGGCTGGTCTATTCTGGGACATGGGACCTGAACCCACCACCGACGAGGAGCTCG
 CGAAGCTGCGCACGCAGATCGCCGAAAACTTCGCGATTGGGTGAAGGATGCTGCCGAAGGCATCGACAT
 CGACTCTGACCAGATCCGTCTACCTCGTTCGAGCCTCGGGCAGATCTGCTCTGCTTGAGATTGGCAGC
 GACGCCCAGCAGATCGTCTGGGGCGGCGCACACTCGGGCGGGTGGCCCGCTGGTTCTCCGGCTCCCTGT
 CGTCTTCGCTCGCCGAGGAATCGCAGATTCCTGACGATCATTCGCGTGGAGAACGAGGATCAATCGGT
 GCAGGATGAGATTGCCAACGCGCTGACGCCCCGTTCTCAAGAAAGTTCACTTCGAATTGCCCGCACCTGAC
 ACGCCCCGAACGAGCCGTCCGATCGTCTCGGCGTGACGGATCGCCACGTCCTCGGGCACTCGAGT
 TCTCCGATGGTTGGCAATCTGAACCATGCGCCCCCTCATGTGATGTACTGCTGGCAGTTGAAGGACAT
 GACCGACATCCCCGGCTATGAGACAAGCGTGCCACCCCTCGATGTGGCACAGCAGCATGCCGAACAGGTG
 GTGCAGCACCTTATCGCCTCAAGCACGCTGCCGAGGGGCTCACTATCAAGGCGGACGTCTTCCATATCA
 GCGCAGGCAAGGGATTGGTAAGCGCCTCACGCTACTGCCGCCATATTGTGGTCGGTTCCCGCGGGCTCTC
 CGGGGCCGATGCGCATTTCTGGGTTGGTCTCCAAGCAACTCATCAACCTCGCGGAATGCAACCTCACC
 ATTGTGCACTGATTCTCGGCTGTCAGCATTACCCGAGATATCGGCTCCATGAAGGAGCAGATGCCCTTG
 CATTGACACGCCATCTGTTCACTTTGAGCTACACCTCCATTGCCGAGCCAGAGCCACTCCCTACACTGG
 GGCTCTGGTATGGCAACGGATAGATGGGTGGAATAAATGAGTGCGGATGACGAGTCTGCAGACAATGTGCG
 GCGAAACGAGCGCGCAGATGACCGCAGCCCCAGAGTCAGTGACGCAATCGACAACGGACGATCAGGATGA
 AGTGATGGCACGGTAGTGCCACCGTCATTCCCCCGCATCATGAGGAGACGGATCCGGCCTCGGATAGC
 GAAGATACCGATGCCAAGCAGCGCCCCCTGAAGAGCGCCCGCGGCGGAGCCAGACGGCATCTGCCATGC
 ATATCACACGATCGTGCTCGGCATCATTGTGATCCTAATCGCCGGATTGTACCTGTATGCCAATGGGAA
 CATATCGGGAACGCTCGCGCGGCCGAATGAGCGATTGCCGATCCAGCGTCTCTACGCGAATTCGGCG
 CGCAGCCTGCTCACCACCGCAGTGGGCGATGCGAAAACATACCGGGCATCGCATGTCACAGACATGTCCG
 ATGAGCAACTGCGCAATTTGACCTCGTATCTCGACCAATCCGCACAAACAGCCGTCGGTGCCGTGCTGCTC
 AATCATCGCCAACGATGGCGTTCTGCAAACCAATGCCGTCAATGCCAAGAAGCTCGCACACAACGCCACA
 ACGCTGACCCGCGATCTGCTGCTGGCGACGACCGGCGTGCTCCCCAGGAACTGCAGGGCGATGAGCAGA
 CGGGTGACCTTCATACTCGCCGTCCGAAACACAAATGCCAACC GAATCGCCGAGCCACCCACCTCCCC
 GAGCACCGATTCCAGCACCCATGGCACGACATCAGATGATGCGAAGTCACACAACGACAGCGGCACAGCC
 AACGAACCTCGCATCTCCCTCGGCGCAGCCCTCCAACACCTCCAGAACCTCGCCGGAACCCAGTCCCTCGC
 CATCCGCCAGCATGTCGACCTCTCCGAAGATGCGGGGACAGGCAAGCGCAAACAGAAGGAGTCCGGCTC
 GTCCGCATCTCTCAATCCGAAGGAAACGGGTGCAACACGACGAAATCCAACGGGACGAAATCGGGCAAT
 GTCATGTGATCGACCCGATTGTCAGACGAATGTCAGAGGGGGCTTTCATGTGTGTTACATGAAAGCCCC
 CTCTGACATTCGTCTGGCGTGTTATTCGCCGGCTTCTCAGCAATCACCGTCTCACTGGTGCACATCGAG

TCAATCTGCTCTGCGTCCTCGTCCTCGCAAACCTCTTTGGCAGCGGATCGCTCCACAGTAGAATCCGCTT
 CCGGTTTCCTACCGGAAAAATCTGCGGCGACACTGACCCGATACCGAACGAGCTGGTATCGGGCATGTC
 GTCGTCCATATCGAGTGCCTTCTGTTGAGCCCTGCCAAAGATTCCGCATCAACCTCATCCAGGCTTTCG
 AGCAATTCCTCGTCCTTGGCTCGTCACGCCCATGCTGGGCCACCACATCGATATGCAGATCGTCATAGG
 CGGGCTTTGTCTGCACCCACATACGACTTGGCTCAGGCGGACGAATCTCGGAATGCTCTCCGCACCCATG
 ATCCACCGAGACCACTTTCCCGTCATCCGGGCTCCAACGGTTTGCACACACACCAAAACATTGTTTTGAGG
 CTGCCGGCGAGCGGAATGAAGAAACCACAGGTCGAGCACAGATTGCCATCGGCGGTTTTCTGGAGAGCG
 ACTTGGGGCCATGAGGACCTTCATACCAGCGTTGCGCCGTCTGCGTCTGCCCAATTCCGAAAGCACGTG
 ACGCCTCGACAGGTCGAGTTCTCCACTGCTTCCACCACATCTTCAACGGCAGTCAACGCGTCGGCTTGC
 TCATCGGGGGATCCTCCCTCTTGAGCCTGCACGGTCTCGACAGCCTGCTGCTCGGCATTGAGTTCCTCTG
 TGCGGCTGACCGCCTCGTCAATGCCGATACCATCATCAAGCCGTTTCATCATCCTCCGGAGTGCCGATGGA
 ATCGGTACGAGAGGTCAGTGGGAAGCAGACGATCCTTCAAAGGCACCCATTTCTGGTGGCAGAAGGGCC
 TTGTCCGTAGGGATCAGCGAGGATTCGTGATGGTCCAATGGTCGAGCTCGACATCGTGGTACAGCGTGA
 CCGACCACTGCCAGCCCTCATATCCCTTCATGAGCGCCTCGAAACGGAAATCCGTACGCCATCGTCATG
 GGCCTCGTGGTGACGAATCTCCGACATCCTCCGGTTCATGCGCGGTGTCGATTGCCTCCGCCCTCGCC
 AAGGCAATGGGATCGAATTCATTGTTGCCATATCAGTCTGTACATCGAAGTCATCGGCCACGGCACGC
 AGCAATGTGGCCAGCTTTCGGCTATCCGCAGACGACGGGTAGCGGTGGCGTCGAAACCATTGCCGGCGG
 AGTCGAGGAGCTTGATGAGATCCTCCACAATGGCGGCCATGTCATCCGGTTTCGGCCTGGTGGCTTTCAC
 CAATGATGGCGCCGAGGCGACCATGGTGACCCCATGGCGACCTGCCACGGTTACCCTCGATCACCGAA
 TACTCGACTTTCGCGCCTTTCTCGGGTTCCTCACTCCCTGCGGCAATGCGGTCTGGGGCAGGAAGACAT
 CTTGCCGTATCGCCTGCAATGAATCCATAGCCTTCTTCGCGTCAAACCAACGAATGCGTCCGCTGGG
 CATGTTCACTCTATCGTCTCGAATACGTGCGGCCCCGCCGATACCAAAAGTCCATTCTACCGCCAGCG
 CGCATCGCTGGCAAACCATGCAAGCTTACGCGGGGCTCACCTAACAACCAAGGTCTCCGTCTGCTA
 TTCCGACGCAGGCTCCTTGAGCCTTCGGCGAACGCCAACACATCAATCCGTGCCGGACTCCATGGGCAG
 GATAATCGTGAAAGTCAAGCCACTGCCCTCGGTGCGACTGGCATAGATACGACCTCCGTGTGCGTTCACG
 ATCGACAATGCGATGGCAAGCCCCGAGTCCGGTGCCGCCCTTCTGACGATCCCTGGACGGATCGGCGGTGT
 AGAAGCGTTCGAATATGTTGTGAAGCGATTTCTCGGGTACGCCGGGTCCGTGGTGCAGCAGCACAGCCAC
 CGCATACATGCTCAGGAGTTTGCTGGATTTGCTTTGCGAGCTCCCTGCAGAAAGTGTTCGAGCATGTGCG
 CCGTCTGTGGCATCGCCGCGAGGTCTCTGGTGTGCGGCTCGACTCTATGACGCCCAGACCAATGTGCA
 CAGGCGAATCCGAAGGAGTGACCGGTGGATGTTGCCACGATATTCGTGATCACCTGATGGAGTCGGGT
 GGCGTCGCCGGTCAATGCGATCTTCGGCAACGGCCCTGGAGTCTCACTCAGCTTCGGCTTCTCGGCGCA
 CTCAGATCGATGTCGAGTTGCATGGTGGTGATTTACGATCCGGATCGAGTGCCTGAAGGTCATCTACGG
 AATCCTGCATCACCGAGGTGAAATCAACACGTTGATTCATCGAGACGCCGCGCCCTCATCCAAACGGGC
 CAATGAGAGCAGATCCTCGACCAGCACCGTCATGCGCGAGCTCGATGACTCGATATGAGAGATGGCATCA
 TCCGCCGCTCCAACGTCCCCGGCGCATCCCGTTGCATCTTGACAGTTCCGCATAGCCATGAATGGCGG
 CGAGGGGTGTGCGCAACTCGTGGCTGGCTCGGAGACGAATTGGCGCATCTTCTGCGTCACGGCCTCCTG
 CTCATGGAACTCCGCTCGATTGCGTGAGCATGCTGTTGAGCGATCTTGCCAGCGAGCCTATCTCCGTG
 GATTACCGCTTTCGGGCACACGTTGGGAAAGATCGCCGGCGGCAATCTTCGCGGCGGTCTTCTCTATTCT
 GTTTGAGCGGGCTCAAGGTTCTGCTGCACCAACCAATGCACCAAGGAACCGCCAAGTAGCACCAACGGCTAT
 GCTACCATGATGCAGAACCGGGTCAATGTGCTGATCACATCGATCTGGTACCCAGCGAGAGGCCTATA
 TACACGATGCCGAGATCCTGGAATCCCCCTTGCCGATTTCTGTCAGACCTTGAGGGCCACAACACGCC
 AGGGGCATTACGCGAACTGCATGGTGGCATGGTCGGGAACCCCCACAACGTTCTTCGTATTACACACAGC
 AGGCGTGGTGAACGGCACACCGAGCTCATGGCCGTCCAACGAACCGTTATCGGGCAGCTTGGGGCTCGAG
 ATCACGCCATCCTTAAGCACCGGCTGCAACATCACCGCCGATGAACCGGTGTTGGTGTGTACACCTTCA
 CATAATAGCTGGTGAACCGTTCTGGGTATTACGTCCGTATTGAGCATCTGGGGGAACACCAGGTCCGC
 CTGTTCCAGCAGCTGCTGGTCCACACGCTCCATCGGGTAGCTGCTACCCAGCCAGCGTATGGAGAAGGTG
 ATGACAATGGTGCCGATTGAAAGCATGCCACAATGATCGACATGAGGCGCACGCTCAGCGGAATGCACT

CATTGAGCGCGCAAGACGTCGTGATCTGTGGGTGTGCGGCTGATTCTGCGAGGATTGCCCTTTCCTGGC
 ATCGGCTGCGGCCACCTGGGCCAACGGCGTGTCTTTCACCGCTGATTTGCGGGGGGGTAACGCCGAATGA
 TCTCCGCCCGGTCCCTGTGGCTGTTGCCCATGTCCCTCGCCTACTTCTGTGCCTTCGGTGACGGATC
 ATGTACCCGATGCCGCGCTTCGTCTCGATGAGCGGTGTACCTTGTGCGTGGAACCATCCTCATCGGTCA
 CCGTGACATCATCCACCTTCTTGCAGGTATGAGATGTACGATTCCACGATTGCGGCGTCGCCGCCCA
 ATCGTATTGCCATACATGGTCGAGAATCTGCGCTTTCGAGAGCACACGGCCCTCGTTGTCCATGAGGTAG
 CGAACAACTTGTACTCGGTGGGGCTCAGATCTATGGTCTGGCCGGCACGGGTACATCATGCGAATCCT
 CGTTGATTTCCAGATCGCCGACGCGAATGATCGGGTATCCTCCACCTGCTCACGGGTGCGGCGTAGGAT
 GGCGCGGATTGCGGCGACCACTCCTCAAGGCTGAAGGGCTTGGTCACGTAGTCGTACCGGCCACCGTC
 AGGCCCATCACCTATCCTGGGTGTCTCGGGCGGTGAGGAACAGCACCGGAGCCGTGATGCCCTCCT
 GGCGAATGCGTCGAGTGACGGTGAATCCGTGATATCGGGCAACATCACGTGAGTATGATCATGTCTGG
 CTTCTGTGCGACTGATCACCTCGATGGCTTCGGAGCCGGATGCCGCCGTCTCCACCTCATAGCCGGCGAAA
 TGCAGCGATGCGACGAGCAATTCGCGAATGGAGGGTTCGTATCGACAACCACGATTGTTGCTTCAGTTG
 CTTTACTCATGGCACCTATAATCACGCAACACTCTGGAAGTTTTCTGAATGCTCTCTGAAAACCTAATTC
 GGGCGTTTGAATCGTTCTCATCATGCGGTGCCGAGCATGGCGCCCGACGCGGGGCGAGGCATTCCAG
 ACGCTTCGGAGGTGCGGTTGCGCTCTTGCCTCTTGCCTTCGGGTGCTCGGATGTCTCTCCGGGGC
 CATGGCGGTGACATCAAGGTCATCATCGGCGTTGTCCAATGCATGGCGTCGTCTTCGCGTCTTCCCA
 ACCTCCTCGGTCTGCTTGGAGCCTTCGCTCACTTCACGCTTACGGCGCATGAAGATCATGACCAGCACGA
 CAACGATGAGCACGACAAACACAATGATCATGACGATGATGCTCACCGAGCTCACGGCATGGGTGGTGGC
 GGTCGATTTGCGCTGGCAATGGCATCCATCATGTCTGATGGCGGATTGGGACAGTTCGGCCCCCTGACCG
 GCCTGCTGATCGAGCAGCGGTTTGTCTCGCGGCTCCGAAAGCTGGTCCACGGTGCTTTGGGTGCGAAGCC
 ATTCGTGCGAATTCGGTGAGACCACGACGACGAGATTGCCATCATGGGAGGCCACCGCAAGCATGACGGT
 GTTGGCTGGAGGGTTGAGCGACTCCAACAGTTGAGAGGCCATTGTTCCGGCTTCTCTGTGGTATTGAAC
 GATTGAGGTAGAGCAGACGCACCGTCACGCCCCGTCTCTGCTTCGTCCGATTCCGCCCATCGATCACCT
 TGGTGAGATTGTGCCAAGCAGGTTCTGCGGATCGGTGATGTACCCCTGAGAGTCTCCACCAAGGCACT
 CGGACTCGACGATTGCTGGCAGACGGCGACGGAGAATCATCTGCCGAGCCATTGGGACCAAGTGGCG
 CCTACGAGGAGCGCCGGAACAACATAATGACGGAGAGAACCGCCGTCCAGACGCGGGCCTGCCGTTGA
 GGCCCCCGAAGTTATCCACAATGACCGGATCGTACCACGTCTCCGACCACAATTGCCTGTTGCGCTGT
 CCATTCGTTGTTGTTGCCATAAAGTCAACAGTAGCGGGAGAGCTGCACGTTGTCCCGCGGTTTTTATTA
 CAACGAACACGATGCAAAGGAGCATGCAATGTCACAATACCAAGTCGATTCTGAACGCATCGCCGCCCTCG
 AGCGCGGCCGTCTGCTCATCTATACCGCCATCCGCGATGCGGTACCAACCATGTATGCGAACCTGAATG
 CCTGACAGGATGATGGCGCGGAGCCGCCGCGGCGCAGTTCAACATGGTTGCCTCCGAATGGCGTCGCAC
 CCAGCAGCAAATGGAGCTATCGCTCGAGGCCATGCAGCAGGCCCTGACGCAAGCCTCCACGTTTATGCG
 GATGCCGAGATGCAGGCGACACGGCTGTTGCGGACATCGTGAGGTGCGATCGAGCTGCGCGAGCGGGAAG
 GAATACATAGAAAATACATAGAAAAGAGGTGGGGCGTTCGCAGATCGATCTGCGGAACGCCCCACCTCT
 TTTCTATGTATGTCCCGGAACGGAACCGGAAAGACCCTAAATCAGTAACCCATGTCCTGGCCGGCGGCCG
 GTGCCGCTGCCGGCTCCGGCTTGTGGCGACAACCGCTTCGGTCTGAGGAACAGACCCGCGATGGAGGC
 CGCATTCTGCAAAGCAGAACGAGTCACCTTGACAGGATCGGTACACCGGCGGCCATGAGATCCTCATAG
 GTGTGCGTTGCCGATTGAAGCCCTCACCTCAGGCAGGGAACGAACCTTGTGATCACCACGGCGCCAG
 AGAGACCTGCATTTTCGGCGATCTGCTTAATCGGAGCCTCGATGCCCCGAGAAGACGATTGCGGCACCGGT
 GGCCTCGTCGCCTTCAAGGTTGAAGTCCTTCTCAACCTTTTCGGCAGCCTGCACCAAGTGCAGCGCCGCCG
 CCCGGAACAGACCCTCTTCGATGGCGGCTTGGCGTTGCGCACGGCATCTTCAATGCGGTGCTTGCCT
 CTTGGCCTCGACCTCGGTGGCTGCGCCGACCTGATGACGGCGACGCCACCTGCCAGCTTAGCCAAACG
 CTCCTGCAGCTTCTACGATCGTAATCGGAATCGGTCTTCTGATCTCGGCGCGAATCTGGGCGACGCGT
 GCGGCCACGTCTCTTGGAGCCGCCACCGGACACGATGGTGGTCTCATCTTGGAGACAATGACCTTCT
 TGGCGGTGCCGAACACGGACAGGTGATGGAATCGAGCTTGAAGGCCAGATCCTCCGAGACGACCTGACC
 GCCGGTCAGAATCGCCATATCCTGCAGCATGGCCTTGCGGCGGTACCGAAGCCCGGAGCCTTGACGGCG

CAGGACTTGAAGGTGCCACGGATGTTGTTGAGAATCAGCGTGGGCAGTGCCTCGCCATCGACATCCTCGG
 CCACGATCAGCAACGGCTTGCCGGTCTTCATCACCAGTTCGGCGATGTGGACCACATCCTGCTGCGAGGA
 GACCTTGCTCGAGGTGAGCAGAATGTACGGGTGCTCGAGCACGGCCGTCTGGTCTTCCGCATTGGTGACG
 AAGTAGGGGGAAATATAACCCCTTGTCGAAGCGCATGCCCTCGGTGAAATCGAGATCGAGGCCGAAGCGGT
 TGTGTCTTCGACGGTGACGACGCCATCCTGTCCGACCTTGTCGAGAGCCTCGGCGATCTTCTCGCCCAC
 CTCGGGGTACCTGCGGAAATCGTTGCGGTTGCAGCAATCTGTTCTTGGTCTCCACCGGCTTCGCGGAA
 GCGACAAGCTGCTTGACGAGAGCGTCGGAAGCCTTCTCGATGCCGCGGCGCAGGGCAATCGGATTGGATC
 CGGCCACCACGTTCTTCAGACCCTCATGCAGAGGGACTGTGCAAGTACAGTTGCGGTGGTGGTGCCATC
 GCCGGCGACATCATCGGTGCGCTTGCCACTTCTTACCAGTTCGGCACCAATGCGCTCGAACGGATCC
 TCAAGATCGATCTCCTTGGCGATCGAAACGCCATCGTTGGTGATGGTCGGCGCGCCATAGGTCTTGTCAA
 GCACGACGTTGCGGCCCTTGGGACCAAGCGTCACCTTGACGGTATCGGCCAGCTTATCCAGACCGGCGAG
 CATACCCTGACGAGCTTCTCATCGTATTCAATGATCTTGGCATTGTTCTCCACGAGAAATTCATGCT
 TACCCACTTGGGTCCGAGACGGGCGTCAGCTCCCGCACCCGTTCCCGAAGTGCTACAGGGCAGATTAGCA
 CTCTCAGTGGTCGAGTGCCAACTTTTCGACCGCCTTTTGCCTATGGGCTAGATGACGGCGTTTCGGGA
 ATATCGGGGCGAGCCTCGCGCAGATATCGTGAACGAACTCCATAACCGTTCAGGAACGATGAATCTTGA
 CCACCTCGTGGAAGTTACCCCTTGTCAGTGGGCTTGCTGTCGTAATCCACAAATCCCCCTGGCGAAG
 CGCCTTGAAACCCTCGGCCTCGATGGAGGAATAATGTACGAACACATCCGCCCCACCATCCTCGGGAGTA
 ATGAACCCGTACCCGCGACCTACATTGAAGAATTAACCGTTCCCTTGGCATAACCTTGTATCTTCCTT
 CGTGAAGGACTCCGTGAAGGCGAACGACTCATGAGAGGAACGCAACGCAAACTTCCCCGATTTGCGGCC
 GGAACCATTCACCTTTCCCATGATAGTTATGAGGGGGTATTAACGCAGCTTCGGCGTTTCAAACCGGT
 TCTTATATAAGAAAAATACCGCAGAACGCGCATCTGCCTAACCGACAATACAATTTACTGATTTTACAA
 AGTCCAAATTGGCATAAGAAAACCGGCCCTCGGGCCGGTTTCGTCGCGGAAGAACTCCGTGCGCATGCGAC
 GCAGGCGACTCAATTCATGAGTACGACGGCCACTGGCACTGCAATGCCCTCGGCTTTCTGCACGGTGCTC
 ACCCAAGGGTTTCTGCCACCTTTTGCAGAGTGCCAGATCAGCGTCGTTCTGATACCACACCACGCTTT
 GGGAGGGAAGCTGCATGCCGTTGCGATTGCTAGGCGCCACGTTCTGTAAGCCAGCGCCCTGCAACCGCTG
 CGCCTCCTGGGCGGCGTATCCATTGGTGGCAGTGCCATTGATCACAATGATCGAAGCATCGAGATTGACT
 TTCTGCTCGGGCGTCTGCTCTTCGCTCGGGCTCTGAGACGGCGACTCACTGGACTGCGATGGCGACTGCG
 ACGGCGACTGCGACGGCGATTCCGACGCGAGGGCGCTGGCACTCTGTGAGGGGGATTGCTCTCACTGGC
 ACTCGTCGACGACGGCGAGGTGGTCTGTTGTTGACTGCTGGATGCCACCACGGTCTCTCGATCGCCATGT
 TTGAACATGTTGCGAGCCTCCCCGGAGAACGCGCTCCAGAACAACACACCAACGGCGGCGGCCACGACAA
 TCACGATCGCATAGGGGGTCAGACGCACTGGCCAGGAACGACGGCCATTGTGGACGCCGACCGGGCCGGT
 CGGCGGATTGTGAAGGAATCCTTCGGATACGACTCATACTTATGGTCATCGTTGCGAGCCATGGCCGTC
 CTTTCCGTACGAGTGCAAAACAAGTGTGGGCTCCAATATACCAAGTCGGGGTATACCAGGTGCGAGTCA
 CAAGGGCCACCGCACACGAATACCGGCGGCGAGCGTCCACGCGCTACGGTCCATAGCCGCAAGAAGCCTG
 GAGTTGCACGAGCGGGCTAGAGTGGAGACATGACCGAAATCAAACCTCTTGAGGAACCTCATGGATCCGGG
 GTGGGCGGAGGCGCTGCGCCCGGTGGAGCCGCAATTCGCCATATGGGGCGTCTGTTGCGTGAACGTATC
 GGGCATGGCGAACATATCGCCCCGCCAGCCGGAACATACTGCGCGCCTTACCATTCCCTTCGACTCCA
 TCCGTGTGCTCATCGTGGGCCAAGACCCCTATCCCACTCCAGGCTACGCAAGTGGGATTGAGCTTCTCGGT
 GGCGCCAAACGTCCACCCGCTGCCGAAGAGCCTTGTAACATATTCAAAGAGCTTGAAGATGATCTGCAC
 GTGCCGCCACCCTGCAACGGCGACCTCACTCCTTGACCCACCGGGGGGTGGAATTGCTCAACCGCTGCC
 TCACCGTCGAGATTGGCAGGCCGAACAGCCACCAGAACTTGGGCTGGGAACCTGTGACCGATTGCGCTGT
 GCGTGCACTCAACAACCGTGTGATGAGCACGGCAAGCCAAAGCCGTGGCAGCGATTCTCTGGGGGCGT
 AACGCCAGACCTTGGAGCCGTTGCTGACGAATGCCGCCATCATCAAATCCGCACACCCAGCCCGCTGT
 CGGCATCGCGCGGTTTCTTCGGATCACATCCCTTCTCCGCGCGAACGCGAGCACTCAAGCAGATGGGAGC
 CGAACCGGTGACTGGTCGCTGCCATCGTCCGATTGCCCTGCACGGTAATAGCTGGAGGCACATGAAGAC
 GAGCACTGCACGGCTGCGTGAATGCCATTGCACGGCCATGCATTACCTAACCAACTGAAACAGAA
 CAGCATACGAAACGCTCAAACATAGTAGGTGGCACATGTCTTTCTTTCCCCCTCCCAACCGACCGCGCC

TCCGCCAGTCCCATCCACCCTCCAGTCCCCAACCGTCCCGATCTCAAGAAACGATGCGGAACGGGCCGGT
 CGGTTGGTCGACAGCATCCGCTCGCGATTGCGCAAACGCTTGTGCGCCAGACCAATCTGCGAGAATCCC
 TGATCACCACCTTGGTGGCCGGCGGCCATATTCTCATAGAATCGGTGCCCCGGCCTGGCGAAGACGACAGC
 CGCACAGACGCTGGCCACCTCCGTCTCCGGTTCGTTCAAACGCGTGCAATGCACGCCGGACCTCATGCCT
 TCGGACCTTGTGGGAACCCAGGTGTTGATTTCTCCACCCAACGCTTCACCACGCAAATCGGACCGATCC
 ACGCCAATTTCTGTGTTGCTCGACGAAATCAACCGAGCCAATGCGAAAACCCAGTCCGCCATGCTGGAGGC
 CATGGCCGAAGGCGCCACCACCATCGGAGGCCAACGAATCGAACTTCCAAGCCGTTTCATGGTGATCGCC
 ACTCAGAACCCCATCGAAGAGGAGGGCACATTCAATCTGCCTGAGGCGCAGATGGATCGCTTCATGATGA
 AGGCGATCATGACCTACCCAGCGCTGACGAGGAACAGCGCATGCTGGGGCTGCTGATCAACCGTGGATC
 GGACGCCATCGACCCGACGAAGCTCCCCCGCGACGTCATCTCGATTAGGATGTGCACTGGCTGCGCGAA
 ACCGCGCGCCGGGTGCATGTCTCCGATGCGATCATGCAATATGCGGTTGCGCTCTCCGAGACCTCTCGTG
 GCGGCGGCCCCGAAGCCCATCCAAGGCCTGTCTCCCTGGTGCGCTGGGTGCTCGCCACGCGCCTCGAT
 TGCATTGGTGCGCATTGCACAGGCTTCGGCATTGATGGCCGGCAGGGATTATGTGATTCCGGAGGATGTG
 AGGGGCTTCGCGCACGAAGTGTCCGTACCCGCATCTGCTCACGTTGAGGCGCTCGCCGATGGCGTGA
 CCAGCGATCAGATTGTCGACCAGATTGTTAGGTGGTGCCGTTCCATGATCGGCACCAATCATGATGCC
 AATCGGTGCGATCCGATCCGACGCAAGATCGAGATGCTCGGCACGTCGCTGAGCCTGCCACCGTGCGCC
 GTGCCATGGGCATCCTTGAGGGGGAGCATGTTCCGCACGACGTGGAGGCAATGACGATCTGCTGGACAT
 TCGTGCCTATGAGGTGGGCGATGAGGCGCGACAGATCGATTGGAAGATCAGCGCGCGCAATGGCAGGGCA
 ATGATTGCGCAGCGCGAGCGTCTCTCCAGCACCCGTGTGTACCTGTTGCTGGACGCAGGCGTGAGATGA
 CCGAGGTGTGCCCTTCGGACGAGATGGCGTATCGCATCGCAGCGAATGCCTTGTCATGTTGCGGGCGCT
 GAGCCTGCGACGCAGCGATGAGGTGTCGCTCGTCTTCGGTGACTCCTCGAATATACCCGGGTGCCGTTT
 CATGGCGGTTTGGCCAGTTTCGAGCACACACTCGACAAGGCGCTTGACCGAGGCTGGCGATTCCCGCGCA
 ATATCGACGCACTGCTCGACTATGCCGCGCATATTTCGCGACCGTGAGGCGCTCATTGTGCTCGCCACCGA
 CGATCATGCCCTCGACGACACGCATATGCGCGCAATCCGGCGGATCACACAGACGCATCCGCTGGTGCTG
 ATCAATGTGGGCACGATCAACCCGTTCTCGAGCGATCCCATTCCTCGAGGCCGCATGCATCCCTTGTCG
 ATGGCGCGACCGACCGGAGGATTCCCGGTTCTGCGCAACACGAAAGCGGCGCAGGAGTTGGACACCCA
 TAGGGCCTACCTGTTGCAGGCGCTTGACCGGGAAGTGTGCGCTGTGGATCACGTATGATTCACGCCTCG
 TCGAGCGAGGGGATGTTCCACGCATTCTGTCGGCTTCTCTCCCTTCCCATGCATCGGTCTTCACGCCCG
 TCACGATTCCCGAAGGAAGTGCGAACGCATAAATGATTGTGGCAATAGACACCCAGAACCTCCATCCGCG
 CGGAACCATCGCCATCACGAATCGCTCTGGATTGCACTGATCTGCGACATCGTGCTGGCGTTGATCCTC
 ATTGTGGCATGCTGCGTACTGTGAGGCACTCGACGTCGCCCGGAAACACCGGATCGCAAGATGAAGAGA
 CTCTTCCAAAGAGGAGTGGGCCGCGCGGGTGAACAGGTGGTCGCTCGGCATGACGCTCAGGACATCAC
 GCGAGACGAGGCCCTTCGCGCAGCTGGCCGCGATTGCGCGCGATTCGCATCGAATATGTCGGGACGACGC
 ATGCAGGCGAACACGTTGACTGATCTACGCCGTCTGCGCCGACCGGCGTCGCCGTCAACTGGGATTTGC
 TCCGACAGACGATCGCCGCGCTGTATCCGCCGGAGTTCGCGCAAGCCGAGCATCCACAGGCGCGTGCGT
 CAGCGTGAGGCAAGCGGCCGACTGGGTGCTCGACCTGATTGAGAGGTGGCAATGATGCTTCGTTGGCAAT
 GGCCGTGGGCATTGGTGGCCGCATTGCTGATCGCCGCCCTGGTATGCCTGACGATCGTCATGGTATCGTC
 ACATCGGCGCGCCTACCACGATGAAGCGAGAATCTACGGTGTACAGGATGATCTTGAGACCGAGCATGCC
 GGTGCGCTGATGCGCGTCTGGCGCCGTCTGAACCGCATCGCCGTGGCATTGCTCGCTTGTCGCTTGTC
 TCTCCTGCATTCTCGTAGGCAGGCCTGCGCATGTGGATGCACAGGACGAGCAATCATCGAACCGCGACAT
 CATCCTGTGTCTCGACGTCTCAGGATCCACGCTTCCCTACGATCATCAGGTAATTTCCACGTATTTGAAT
 CTGCTGCAGCATTTCAAGGGTGAGCGCATAGGCCTGAGCATCTTCAACTCATCGTCGCGTACGGTGTTC
 CGCTACCGATGACTACGCGATGGTGACCGAGCAACTCACGAGGCGAACGACATGCTCAAAGGCGTGCA
 GACCCAGGACGATATCGATAAGATGAGCGACGAACAATACCAGCAGATTGCCGACTGGCTTGAGGGCACA
 CAGAACCGCAAGAACGCCACTTCACTCATCGGAGATGGATTGGTGGGCTGTGCCGCAATGCTTCCCGGAT
 TCGCCTATTGCAAGGCCGACACTGCGCAATCTCGGTGCGGGAGGCGTCGATTGTGCTGGCCACCGACAA
 TGTGGTCTCGGGCTCCCCACCTATTGTTGGCTCAGGCGCTTGATCTCACCTCCAAGCCGGCATCAAT

GTGGACGGTCTGTATTCTGGGACCGCAATCCAGTGAGGGTGACGCCACGACCAACGAGATGCGCCAACTCA
 TCGAGCGGCATGGCGGTCTGTTCTCACCCAGTCGAACAGCGCGTCGATCGATGAATTGGTGCGTGAGAT
 AGACGGTCGTCGTTACATGAGGCACAGGCCAATCACAGACTGCCCTGACGGACGTCCCGGGATGGTG
 ACTCTCGTGTGGCGATTCTGCTTGCGGGCTGGTTGGTTATGGCGTGAGGTTGAAGCGATGAGTACGTT
 CGGCTTTGACCGGCCCTCGGCTGGATTGGCGGCTCCCTTGTTGGCTGCGGTGATGGTGCGATGCGCGGTG
 ACGTGTGTCGTGCTGCATGCACGTGCGGGCGCCGATGGTACCGATGAGACACTCTGGTCGTGCGTAAGGC
 GTGTGCTGGCATGCGTCATCGTGGCGCTCATGGCCTTCACACCAAGCATGGTGACCAAGACCACCAGCCG
 TGCCATCAGTACCACTGATGTGGTCATTGTCTCGGACATCACGCCGTCGATGGGTGTGCAGGATGCCCCG
 TATGGCTCCAAGTCCGACCTTTCCCGCTCGAAGCGGCGAAGTCCGCCATTGCAGACATCGTCAGGGATT
 ACCCGAATTCGAGTTTCTCCGACGATATCCGTTGGAGCATCGGGAGCGGTGGATGTGCCGCTGACGCCCCGA
 CACCGTGCCATCACGAATTGGGCGCAGTCCCTTGATACCGAGGATTCTCGAGTTCCAGCGGTTTCATCG
 CTTGATGTGGTGATCGATCCGTTGCTGCGTGCACTCAAATCGATTTCGCGACGCCACCCGGACGATCGCA
 TTGTGTTGTACATCATCACGGATGGGGAACAGACTGTGCGGAACACACGCCGCACATTTTCGTCGCTGCG
 CCACTATATTGACGATGCCTGCGTGATCGGCGTCGGCTCCACCACCGGTGGCCGGATACCTTCGAAGACC
 GCAGGTCAATGGGTACCGATCCCTCTACGGGCCAGCCCGGCGTATCGATCATGGATGAAGGACAGATTC
 GGTGCTGGCCGACGAGCTCAGTGGCAAAGTGGTGATCACCTCGGCGAACGACACGGTGGCGAGCGCACA
 GATCGCGCAACAGGCCGGGAGCTGGCGTGAAGACGACACGCGAGAAGGAGCGTACGCGCATCAATCCGATT
 GTCTGGCCACTGGCCATTGCATTGGCTGCGTTGCTGGCATGGGAGCTGGGCACATGGATCGCCACTTCGA
 GGAGGCTTCTATGAGCGGGAACATATCCGGGCGCCTGGATCGCGCCACGGCGAGCAGGTCTTTCACGAAA
 CGCGCGCCTCTCGGCGTGCGCATCATGCTTGCGGCATTGCGCGTCTGGCCATTGCATTGCGCGTATTGG
 CCGGCGTGAACATCGACGCACAACGTACGATGATGCCGCGACTCAAACGCTCACCGAGAATCTCGAGAC
 CGCGTCCCGCAACGACGCCGATCTCAAGCAACTGCTGACCTCACAGCAGGAGCTGGACGCACGATTCCGCC
 AGTATCACCGGAAAATCGGCGGTGCTGCTGCCGCGATCAGCGAGAGCACCATTATAACGCGCAGGTTT
 CGAAACAGCTGACCGACTTGGTGCAACAACAGGTGACGCGCGATGCCGCGAAGAACGACAGCCAGCAGTC
 GGGGACGACGCGGAGCAGGCCAAATCACTCGACTCGCTACCGAGGAACAGCGCAAGCAAGTGGAGGAG
 TTGCTACGCAGCAACGAGGAGCTGGGCAAATCCGAGGATTCCACGAACGAATCGAATGGCGGCCAAGGCG
 AGAGGGAAAACGACAGCCCCTCTCGCCCGTCAATGTGAAACCGTGGTAAGCCACGACGGTGAATGGCTA
 TGCAGTGTGCACTGTGGATAGTTTCCGGAGTCAATGCATTACGCGGTTCACTGACCACAATCGCCGAT
 TCAGCTGGATTTCATGGTCGACTGCGGTGTGCAATGGAATCATGATCGGCTCCAATTCAGCGTTCAACGCC
 ACGTCGGGACACGACGCAGTGCATGCGCGGGCAATGCACAGGAATGCATCGCATTGCTCGTGCCAT
 TGGTGCGCGGTTGTTCCATGCGCTTGATGGCCTGATGGCCGCGTGCCGGTCCGATACAGGAACATGGAG
 CGGCCGTGCCGCCGAATTGTTCCATGAACGGCTGCAGGCCATGGAACCACGAGCATCCGCATGTATGCAA
 ACGCTGCAGATGCTCGACGGATTGCTCTGACAATGTAGGGGCTGCCATGACGAAGATGGTGAGATCATC
 CATTTCATGGTGGCGCTCAGTATGCCACTGCCACGCTCGACCTCGTTACGGCATATGCTCACGGTTGGGG
 GCCTGCGCCGCCGATTGAAGGCACAGGCCATCGCCTTGTCGAACGCCAGAATGCGTGTTGCCGTGCTGC
 GCACCTCAACTTTCAATGGTGTCCGGAACAGAACGGCATGGCGGCATTGCGAGCTCCCGTCTGTGAATC
 GAGTGGATTGCGTCGTTCCCTTCATGTTTCATGTGAGTACCTTCGCTGACGGACCACGCTGAATCCGCC
 AGATCACAGCTGCATGCGCTGGCCGTCCAATGCGAGAGAATCGCCGATGTATTGGCGCGTGATACGGCC
 TGTATTCCGAGGCGGAGGCCAAAAGCCGCATGGCCACTAATAGGGCACTGCAATGGGCCGACGGGTGGC
 ACCTGCGACAATGGCGAAATTCACCATTCACAGGCTCTGGGCGGATGGCTATACGGTGTGGTCACTGAG
 GGCAATTTCTCAGCAGCCCATGCCTTGAATGCCATCTCGTGCGAGCAGGAGGGGCTGATGCGTGCGGCCA
 GCGCAGCCATAGGCCTGCATGACGGTCAATACCCGGTGCCGTCAGGAGCATATGCCATCGGGGGAATCTC
 ATCGCGAGCAACGAATCTGATTCAAGGTGATGCGCTGACCGTCAATCCGTGGATCCCCATGAACCATCC
 GTCGCCCTGTGTCGGACATGGGCGGTGCACTGGCGAATCTGCGAAGGCTCTCGGCAGCGAACGCGGACA
 GCACGCATGGTGAATATGCAACCATCGCCATCTACGGTATGTGGATGCCGATGGCCGGCGTTCCTGGCT
 GGTGACCATTCGGGAACCGACGGCAACTTCGACTCCCCCTGGGATGGGAGCAGAATGTGGAGCTCATG
 AGCGCCAATGCCATGCAACGACGTAACGCAGACAGCGCACGTATGGTCGTCGAAGCCATGCGGCAGGCGG

GTATCGGCCGCGATGAGCGCGTGCGTTGATCGGCCATTGCGAGGGCGGCATCATCGCGGCAACGCTGGC
 CAGCGATTATGCCGATGAGTATCGCATCGAACATATCGTGACCGCCGGCTCCCCATCGCCAACCATCCG
 ATGGGCAAGGGGACATGGGTGACCAGCATTGAGATGGAAGACGAACTGGTTGCCGCGCTGGACGGCGAGG
 TGAATCCTCGGAGCGAGCAGTGGCTCACCATTGAGGTGAGGTGCGCAATGTGGCGGACGGGTACCTGC
 CGATGCGAATGGCGCCGTGGATGACGGCACCGCTGCCATGACCGCCGTCGATCAATCCCATCAGGGGAAA
 TACGAACTCACGCACGACCTCGCCTACCATAACCGCCGCTATGAGAATGCGCTGTCGCTGGGGTCCGAGG
 CGTTGCGAACCATGACAGCCATTTTCATGGCGACCATTACGGCGACTATATGGAGACCACCTACTGGAG
 CGGCCGATGGAACACGGCAAACACGACATCGAGATGGATGACACGCACACGCAGTGAAAATGGACATAC
 ACCGTCCATGTCTCAAGGGCTTGGTTAGGGTGGAAACCATGAACCTTTCCGAGATCTCACCAGCCATCGC
 CCTACCCCTCTGGATGGGCGCTATCATGCCCAGACCGCCGCTCTGGTGGAAATACCTGAGCGAACCGGCA
 CTGAACCGCGAACGCATGCGCGTGGAAGTCGAATGGATGATTCTGCTCGCCAACGGCTTCGCCGAAACG
 ACTGGAAGCCGATTGTCACCGGCGTCAAGCCGCTACCGAACAGGAACAGGCATTCCTGCTTCCATCCC
 CGAGGAGTTCGGGGCACAGGGCATTGCCAGGCATGCCGCGCATGAAGCCGTTACGCACCATGATGTGAAG
 GCTGTCGAATACTACATCGACGACTATCTGGATAGCGCGGAGCAGGTGCTCGGTGCCCCACCCAGCTCA
 CCGACCTGAAAACCTCTCGTGCAATTCGCCTGCACCAGCGAGGACATCAACAACCTCTCCATCGCCCGCTG
 CGTGAAGAATGCAATCGAACACGTATGGCTACCGGGCGCGGATGCCATTGTCGACCTGCTGGCTCAGCGT
 GCCGAGGAGTTCAAGGACATGCCGTTGCTCTCCCTCACGCACGGGCAGCCGGCCACACCGACCACACTCG
 GCAAGGAGCTCGCCGTCTACGTGTACCGGCTTGGGCGCCAGCTCAAGCATGTTCTGTGAGCAGGAATACCT
 GGGCAAGATCAATGGCGCCACCGGCACTTTCGGTGCGCATCTGGCCGCAATTGCCGAATGTCGACTGGGTC
 GCCGTCTCACGTGAATTCGTGGAGAACCGCATGGGCCTGACCTGGAACCCGCTCACCACCCAGATCGAAT
 CGCATGACTGGCAGGCGGAGCTGTTGACACGATCTCGCACACCAATCGCATCATGCACAATCTGTGTGT
 GGACACATGGATGTACATCTCCCGTGGCGTGTTGCCCCAGGTACCGGTGAAGGGCGCAACCGGTTCTGTC
 ACGATGCCCCACAAGGTGAACCCGATCCGTTTCGAGAACCGCGGAAGCCAATTCGAAATCTCTGCTCGC
 TGCTCGACACGTTGGCAGCCACGCTTGTGGAGTCCCGTTGGCAGCGCGATCTGACCGACTCCACCACGCA
 ACGCAACATCGGCTCAGCATTGGGGTATTGGGTGCTGGCGCACAACAACCTGCTCGGTGGCCTCAAGTCG
 GTTCATCCGAACACACAGGTGATGGATCGCGAGCTCGATGAGAACTGGGAGGTGCTGGGCGAGCCAATCC
 AGACCGCCATGCGCGCCAGGAGCTGGCCGGCCGCTCCGGCATGGAACGCCCTACGAGAAGGTGAAGGA
 GCTCATGCGCGGCCACTCCATCTCGCAGGCCGATGTCGAGAGCTTCATCGATTGCTTGACTTCGACGAC
 GAGACCGCAGCCCGTCTCAAGGCTTTGACGCCGGCCACCTATGTGGGCTTGCATCGATGCTGGTTCGGTT
 ACGATCGCCCGTAGTCCTTTTTCAATCCATCGCGTAGAATATACGTGCTGATGTGCGATGCTCATGCTTG
 GGCCTTCCACCCGGGCATGGGCATTCTATATGAAGGACTGATATGACAACGCCCAATTCTCGCGGCTCAG
 GTCGGGTGCCCTCCGATCAGACGGATGTGCAACAACCGTCCATCGAGAAGACCCCGAGCATGCACTGGC
 AAGTAGGTTCCCAACGTGAAGGTCAGCGATGTGGCACCGAAGCGCAACCACGTGACCAGCGATCTGCTG
 CACGCAGGTGCGGCTCTCGTATTGCGGATTCTGGTGATCCTGGTCGCCGTCTACCTTCATGGGCTACCA
 CCGGCGTCGAAGATGACGCCCATTCCGCCAGTCAGGCATTGCACTGGCTGGTCGACCTGCCATCGTCGTT
 GCTACAACAGCTCATTGTGATTCCATCGTGGTAGGGGTGCTCATCCAATTGGTGCTCAACCGGGAATGG
 CTTCAGTCCGCTTGCTCGGTGCGCGCTGCTCATCGGCTTCCTGTCTGCTGGGGTGTCTCCGAACCTGC
 TCTCCTACCACAGCAGCGCCATGCTCATCAACACATTGCTGTGAGCGGCACCCGCGTAGGGCTTCCCT
 GCTGCCGATTCTACGCCGCCATAGCTGCATTCTCACGGTCGAGGTCCCCGTGACACCCGGTCATCG
 GTGAAGTGGAGCTGGAATATACTCCTCGCCGGCGCCGTGATCTTCATCATGACCTCGTGAGCTCGTTGC
 CTGGTGTGCTGGTGGCCATTTGCATCGGTGCGATGGTGGGACTGTCCATCCGTTTCGGCGTGGGCACGAA
 GAACTCGGGAGCATGGGGATATCAGATCGTGACGGCGCTGAGCTCCATCGGCTTGATCCGGCCGCTCCTT
 GACCGACGCCCGAGGCATCCGACCATGCACCATGCTTACGGACGACCTGACCGACCATTCCTGACTCT
 ACGATCTGACTGATGAGAGCGGCGTGCACTATGTGGTGTCGGTGCTTGACAACCAAGTGACAGTACCCGG
 CTATTTCTCACAGCTGTGGCAGCTCATTGCGCTCAACGGCGTCGCGGTGCGCCATGATCGCTCCGCCGTG
 AGCGCCACGCACCACCACTATTCCATGCTGCTGGGGTGGTGACATAGATCTGACCTGTGCAAGGCCCT
 ATGGTGTCTGCGACTACGGTGAATCCTCTATAGTCGTTCGAGCACCGCGAGACCATTACGCCGTGGA

TTGCAGGGAGCTCGACGATACCGAAGCGCTCTCGCTCATGAACTATCTGCAGCGTGCGCATCAGCGTGGC
 TTCACTCACCGCCAGATCACGGCGGACACCATTGCGCGCTCCGCCATTGGCGACATGGTGATTGCCGGCT
 GGCAGAATGGCGATTACGCGTCCACCACCACGAACATCACACTCGACAAAGTACAGCTGCTCACCTTGTT
 CAGCACGATGCTCGGCATTGAACGCACCGTCTCGCTCGCGCGCCGTGCCTGGGGCGAATCGACACTCATC
 TCGTTGATTCCGTTTGTTGAGAAGGCCGCCGTCCCTGCCGCCACCCGGCAGATGGAAGGCTGGAACAAGC
 AGATTGTCGAGGATCTGCGCACCGCACTCAGTAACTGGCCCTGAAGAAGTGGCGGAATCGATGGAGCA
 GGTGACGCTCACGCGATTCAATGCGCGATCGTTCTCGGTCTTGTTGCTGGTGATCGCCGTCTACGTG
 ATGCTGACGCAGATGCGGCCGGACGAGATGATTGCGGCCGTGAAGCAGGCGAATCTCTGGTGGGCATTG
 TTGTCATGCTGTTGGGCTTCTCGCATGGGTGGGTTGCGCCATGGCCCTCGGCGCCTTCATGGACAGGGA
 CCGCCGCCGGCCTTTCGTTTGCTCTGCTCGCAGATTGCCGCCGGATTCACTGCGGTGTCGATGCCTGCC
 GGCATCGGCCCGGCCTTGTGAACCTCCAGTACCTGCGCAAGAGCGGCTACCGCAATACGACCGCCACTG
 CCATCATGAGCGCCGTGCTCGCCGTGCAGGGGGTGATCACGGTGGTCCTGCTGCTGCTCATTGGCATT
 CACCGGCCGTAACACCCTTCCGGCATGATTCCCACGAACACGCTGATTATCGCTATCGCGGTGCTCGCC
 CTGGCGATCAGCGTGATCATGGCGATCCCCTCGGTGCGCAGGAAGATCGCCAACAAGTATCTCCCTGG
 TGAAGTCATATGCCAGATCGTTGTTGGAACGCTCACGCAGCCGCGTAAGCTGCTCGGTTGGTGGCCGG
 CTCACTCATTCTGAATCTCTCCACAGGCTTCGGCTTCTGGGCGGCGCTCATGGCGTTGGATTCAACATG
 AACCCCATCGAGACGACGTTTCATCTTCTGCTGGCGAATACACTTGTTTCAGCGGTGCCACACCGGGTG
 GCCTCGGTGCCGTGAGGCCGCGCTGTCGGTGGCGTTCAGCGCCGTGGGGTCCCCGCCGCATTGGCGTT
 ATCAGCCACATTGCTCTATCGTGTCGTGTTCTACTGGTTGCGTATTCCGCTGGGTGCGTTGGCTATGAAG
 TGGCTGGATAAGCACAACTGATCTGATTTATTTATTTGTAAGCTTTTGATGCCCAGAACGTAGCCAA
 ATGCGAAAAAATCAAGGGAAATCGTTGCAAAACGCGGATTGACCGAATCTTGAGGTAAAGATGCTTCTT
 GAACATGTGGTTATCCGCAATGAGGATTACCCCTGACAAAGAAGGACGCTTCTATGGCATACAATAAGTC
 TGATCTCGTTGCAAAGATCTCCAGAAAGTCCGGTCTCACCAAGGCTCAGGCTGAGGCTGCCGTCAATGCT
 TTCCGCGATGTCTTCATCGAAGCCATGAAGAACGGCGAAGGCCTCAAGCTCACCGGTCTGCTCTCCGCAG
 AGCGCGTCAAGCGCGCCGCCGCACAGGCCGCAATCCCGTACCGGTGAGACCATTGAGATCCCGGCCAC
 CTATGGTGTTTCGCATCTCCGCTGGCTCCCTGCTGAAGAAGGCAGTGAGCGAGTGATTGCGAGCCTACGCT
 AGAAAATGACCCGGCCAGTGACGGCCGGGTTTTTTCATGTGAGATTGCTTCGGCACCCATGCTCAGACGG
 GCGCTTCATCGCCATCCGCGCGCGCATACCCCAATTCGCCCATGAGCTTGTCATATTGCTTGGTTCGGCTC
 GTCATGGAACGGATCGAGCAGCACCGCCTCCATATGCACCGGACGCACAAGCTTCAGCGTCGTCCAATCG
 CAGTCGTAGACGGCATCGGTGTGCGATGCCGCCGCCACGAAACGTCCACGCAGCACGGCACGCGTGTGAG
 GGGGCGGAGTGGACACGGCATCGTGAATCTGATCGGCATCCACCAAGGTGCGCATCAAGCCATGCGCGCA
 TAACGACGGGTAGAGCCTGCCGTTGGCGATGTCGTGATAGTCCAGGTGAGCTGGCGCAATCTGGCCGGT
 GTGACGGTGCCCCGAGACTGCAAACGATTGAAGAACACCTGCTTGATGCCAATCGACCACGTGCGACA
 GCGTCTCGATGTATTGGCCGCCAATCTGTCGAGTACCATCGCCATTGGCCCAATCCATTGACATT
 GCACAACGCGTCATACCGCAACGATGCCTCCAATGCATACCGTGATGTGCGGCGAAGGACTCGACCTGC
 TCCAGCATCATCTGCTGCAGTTCAGTGCGGTGGTGAACGCCCCGCTGCCAGCGCGATGCGGGCATGCG
 CCCCATCGGTGTTGATGGCGTGGTTTGCAGCGATCGGATCCGCGAGCGCGAATGCCTCAAGCTCGGTCTC
 GCAGCCGCTGCGCGCTGCATGCTCCATCATGCACAGAACGAGATGCGTGGTGGCGCATTTTCATAAGGGTG
 GCCCACTGGGAGCGATTGGAGTCGCTATGATCACATGGAGACGCCGGTAGTCGTCGGGGTTGGCGTGCG
 GCTCGTACGGGTGTTGATCATCGGGCGCGACCGTGTGGTGGCGCTGGAGACGGTCTCGTCCACGAATGC
 CGCACGTTGGGTGAACAGGAGCCGTTCTCCGTCGAATCTGCCGGCTCCGGTGATGCTGCCGGGTGATG
 AGGAATGGCAGCAACACATGCTGTATCATGTCCAGATTACGAAACGGCGCACGAGGTAGTTCTCGTGCC
 AACCGAATGAATGACCGGCACTGTGCGCGTTGTTCTTGACAGATGCAGGGTCGATGCCGATTCTGCGC
 GTCGGATTCCCGCAGCCTCCGCTGGGCGTCAAGCCCCATCGAACGCATGGTCTGCTCGCCTGCCAGATCG
 CTCAGCAACGCATCCGAGGGGCATATCGCCTCGGCGGTGCGATACTCCGGGTGGGATCCACATCGAGGT
 ACAGACGTGAGCCGTTCTCCACGTAGGTGTTGGTGGAAACGGGCCCTGCGCACAACGGGCTGGAACATCGT
 CATCGCCACATGACTGGCGTCCATGGGCTCCGGAATATCGGTGACGCTCACACCATACTCGGTCTCGATG

CCGAAGATGCGCGCGAAATCATGCTGATGCGTCTGGTCCGACGGCTGTATCGCCCTGCTGCCACTGTCGT
 GCAGCTGTGGCATCACTCGCCGCTTTCTGCACGAAGCTGCTCACATATTCCTCAGCGTTCGTCTCGAGA
 ACGGTTTCGATGTCATCGAGAATCGCATCGAGATCGTCAGCCTGCTCCTGCGCAAGCATGGCCGCTGCGG
 AAAGACCCTGGGCCGTTTCTGGGTCTGGTCTCATCATGCCGCTGTGTCTCGCGGGGATCTGATGGTG
 TCCGGATGCAGATGGCATTGCTCCCCAATCTGGTGTGGATTCCAATATCGATGTCGGATGTGCCCTGTG
 CCACATGGGCTGTTCAAAGTGGCTCAGGATTTGAAATCACTGTTGTCCCGCGGGCTTCTGTTCTGTGATGA
 TGGTAGGATTCCCCACAATCAGAGTTGATGAGGTAGGGTTGCAGCTCCTGTATGATCTGTCCGTTGGTGG
 CCACGAGATCGTTCTGGCTACGCCAGTGGATGAGCCCCGCTCCCATGTGCTCAGCTGCCCTTGGGCCTC
 CCAGAGCACCACGGCGGGCGGCCGAGATGGCCGGCACATCACGTTTCATGCAGATGCGGTTTGAAGTACGCG
 TCGTAGGTGCCATCGGCCACCTTGACACATCGAGCGAGACGGGCCCCGATCCGTTTGTGTCGGCGGGCT
 TGCCGGCGAGGCTCGCGACCACATTGAGGGCATGTTGTGCTCCTGCGGCACATACGACATGCCGAAGCT
 CACGATTGAGCCATCGAGGTGGCTGACTGTGGATGGCATGATCTTCTCGCGCTTCTCCCCACTGGTGTCT
 TTGCGCATGCGGATCGCGCCCTGCTGCCGGGCGGCCAAATAGGTGAGGTTCAGTGCCGGCGCATGAATCA
 CCCCCAGAATCGGCTGGGCCGATCCGAATCATTGAATTCGAACAGCGAGATGGTCACGCTCCATTGCGC
 CATGCTGCGCGAATAGTTGATCACGCCATCGACACCGCCACGCACCAAGTACCGGTACCGGGCGCCCAT
 TCGTCGGTGCGATCTCCCAACGGCCTTTGAACGGATCGATGTAGGTGAGACGATTGTAGATGAACTGCG
 ACAGACGGTCGTCCACCTTGAGCCCCGCTGAGTAGTCACGCTGCACCGTGTTCAGCGTCACCAGATCCTT
 CGGCATGAGCTGGTCCTTGAGCGCATGCTTGCCGGCGTCTCGGCGATGCGACTCACCTGCACTGCGAGC
 TCCCGTAATCCGGCCTGCATACCAATGCCTCCTGTGACCTTATGTCTCGGAAAAATCTGTTCCAAGACTA
 GCAAATAATCTGTGAGTATTCTGAAAACTCGCCCTATGCGAGCGCGCTGGATACAGCGGATGTACGACC
 TACGAATGTTTCGAGATGCCGCCGAGACTCCTGATGAGCTGCGCCGCGCTGGACGCCTCCTCCACCTGCC
 GTTCGGTGTCTCTTTGGTGAACCGCGTGGGATCGCGCATGTGAGCGTCCAGGAATCACCGGCTCCATC
 GGCAACGGTGGTGATTCCGGGTCCAGGAGATCGCACGCAATTAGTGGGGAATCTGTGCAGTATCGCGGCA
 CGGAACCATGCGCGTGTGTCCGCCGGGGCATCGGTGCGCCGCCGCGGCTATACGCTCATCCGTACCCACAC
 GCTCGGCACGGGAGCGCACCTTGCGAACACCGCCTCGTTCTCGGGAGCGAGCGAAGCCCATCGCAATTC
 GAGCGCGCGCACCTGTGGATTGTCCAGCCCCGAGGCAGAGGATGCGCCGCAACCGGCGATGCGTCGGCGC
 ATGCGTTCGAGCAGCTGCCATTTGAGAAGCCATTCCAGTCGAGAGGCCTGCGCGGTTCATCGTCATTGCGG
 GTGTCGTGTCGGCATGGCGAACCTCGGCCACGTCGATCAGCGCCTGCTGCCACATCGCCATGACCGAGCG
 GGTCTGCGAATCCGGCCATACCGGCTCCCCGAGCGAATCGGTGCCGTACACCATCGATGCCACCTCGTAA
 ACAAGGCCCCGCGAGCGACACCTGCAGCTGCCACGCCGTGCTCGAACCTCCATTGGCCAAAGCGAGTGGTT
 CGTCGAAGGTCAAGTCGTGCGACACCGTGTGCATGGCGGCGACCGAGTCGAGAAGCGAAAGGGAACGCAA
 CTCATCCGTCAGGTCGTAATCCAATGCAGATGCCTGCTCGGCCACCCAAAGCAGCATGCTTGTGTCGTCGCG
 AGCTTCAACACGTCCGGCACTTCCAGGCGGTTGGCATCGCCACGATCACATGGAGTCTGCGCATCTCGT
 CAGGCGCATGCGACTCGTCGCGGGTGTTCACGATCGGCCTGTGCGAAAGTGGTTTGCAAACCCACTTTTCAT
 ATGGAAGTAATCGGCACGCTGACTCAACTGGTAGCCTGCCCCGTTCCCCGCGCTCGCCGAGCCCCACACGT
 CCAGAGCCCGTGTAGATCTGCCGCGTGGCGAAATGGACCAGCATGAGCGCAGTCACTACATCGAAGTCCA
 CATCGCGACGCAGCAGATAATTCTCATGGCTCCCCACGCAGCGCCCTTGCCATCCGCATTGTTGCGGAA
 TACCTCGAACTGATGCCGCTCAGTGCTCGCGGATTGGGCGGCCTGACGCATAAGCAGATCGCCGGCGAAA
 TCATAGGCCACGGCCTCAAACGGATCGCGCGTCTCCGGCGCGGAGTATTCGGGATGCGCATGATCCACGT
 ACATGCGCCCTCCATTGGCTGCGAAGGTGTTCTGTGATATTGCGTTGCGGTTCTGCGGTAAGCATGTGCGG
 ACGTGCAGCGGGCGCGGGGCATCGTCATACCCCGCATATCGTGCACCGGATCCTCCTGCCGGTAGTCCCAA
 CGAATATGCCTCGTCTCCTCATCGCTGCATGGGCAATCACATCGAATGACGACTGCACCGGGTTGGCAT
 GGGGATCCTGCCGTACCGACACGGCATACTCGGTCTCCGTCCCCATCACTCTGCGCACGCTCATTACTC
 CGCTCCTCTACGACATGTTCCATGCCAACGGCACATTTGGAACACATTCCATTCCACCGAGACCCGCTG
 CCGGGATCAGACGCCGTGAGCCGCCAACGTCAGCGCGTTGATTCTGAGCCATTGCCCTGGATCTGTCTCG
 TTGATCGTGGAGCGGTTCTGTTCTGATTCTGTCGTCATGAGGCTCATGGATCCGCGCCTCGGTGATGCCTT
 GCGGCTCATCGTCCCTGCTACCGACCCATGGAGGATTCGGCCTTACCGCCTTGGTCTTCGCCCCGTC

GACGATGTTGCGCAGCATCGCACCGCTGACGATGTCGGCCATGTAGATTCCACGCCGACGGCCCTGTTCA
 TCGAGCGTGGCAAGCAATCGGGATTTCATCCCTGCGGAAAAGATCACGCACCAGCGAGGCCGCCAGCGCAT
 CCGCGTCCCTGCCGGTTCAAGGGGCAGCGCATCGGTGAGGTAATGACGGGTGATGGCCATGGCGGCCGT
 CTCGTCCGGCCGTGTGACATGAATCTTGACGTCCAGACGGCCCGGACGCAACACCGCGGGATCGATCATG
 TCGATGCGGTTGAGGCGCCGATCACCATCACGTCTCAAGGCTCTCCACGCCGTGAGCTCGGTGAGGA
 ACTGCGGCACGATTGTCGTCTCCACATCGCTGGAGACGCCCCTGCTCGGGTGCGCAGCAGCAATCCAT
 CTCGTGATGAACACGATGACGGGGCGTCCGGCACCCGACAGCTCCTTCGCCCCGCTCGAAGATTCTGCGG
 ATGAGGCGCTCAGACTCGCTACGAACCTGTTGAGCAGCTCCGGTCCCTTCACCGACAGGAACACGCCGT
 CGTTACCACTGCCCCGCGGCCAGCTCATGCGCGATGGCCTTGCTATGAGCGTCTTGCCATTGCCCGGAGG
 CCCATACAGTAACACGCCCTTCGGTGCCCTCAGGTGCAACCGGTGCAAGAGGTACGATGCTGGAACGGC
 AACTGCACGGCATCGCAATCCGTGCGATCTGCTCATCCAGACCTCCGATGTGGTGAAGGAGACATCCG
 GAGTCTCCTCGAGAAGCAGATCCTGCGCCTGTTCTGCGGCAGTACAGACAAAACATAGGTACCGGAGGG
 ATCGATCACCACACGATCGTCGACGTTGATCGGAGTTCGTGCCACCGCGCTCGCACGCATGACCACACCG
 CGATTGCCTCCGACATCGGAGACGATGAGCCTACCGTCGGCAAGGCTTCCGAGACCGCACGCATCGGAC
 CGGTAGTAGGTGTCTCGCAGGAATCGACAATCACCATGTTGGCATCGAGCAACACGCCTTGCCGCTCCC
 CAACTGTGCGGGATTGACAGTCGGCGACAGCGGGACGATCTGGCGTCTGTTGCCATTGAGAATCTCCGCG
 CTTGCATGCCGCACACCATGCTCATCGGTGGAACAGCGATGCACGCGGACCATGGTCGCCATTGTCAATG
 GCGGTGCCATGAACTGCTCGAGCTGCGCCTTCGCTTGCGAAGCTCCTCGGTGGCACGGGTGAGCGCTTT
 GGCGAGCGCGTGTTGCGCTGCCGAGCTGGTCTCATGCGCCGCCACAGCCTCGGGATCCCTGGAC
 TGCGAAGCCGCGTCCGTGTGCTTCTCCTGCCCCATACCCACCTTCGTTCAATCCGAATGTTCCGTATGCC
 ATTGTAATGCACGGCCCCGAAAGGAAAACGGGTCCGTGCAAGGAGAGCACGAACCCGAACTGACTTCAGC
 GCCTAACGCGCATCGACAGTCTACTCATGGGATTGCGTCGAGCGACGTTGCGGTATCAGATTGCGAACCC
 ACCGCCACGCAAAGAACACCAGCATCAGCGCAAACACCACGATGATCACATCTTGAACACATTGAGCAC
 GCCGAGAATGGAGCACCCTGGTCGCCGAGCATGTAACCGGCGGTGACGAGCACCCTGTTCCAGATTGCC
 GAGCCGAGGAAGTCCAGCCGAGAACTTCGCGAAGTTCATCTGTTGAATCCGGCCGGAATCGAGATGA
 GCGAGCGAAACAGGGAATCACGCGTCCGATGAGCACCAGGAGGTGCCGTACTTGTGAACCATTCGTT
 TGCCTTGTTACATCCTTGCGGCTCACGCCGGGATCCTGTGACTGCCTGTGAATGCGGTGGAGACCG
 AACCAGCGCGCAATGCCGTACAGCGCCAGGCGCCGAGCAGCGATCCCATTGTCGCCCATAGGATCGCAC
 CGAACAGGCTCATGCTGCCACGGGCAGCGGTGAAACCGGCGAGGGGCGAGAATGATCTCGCTGGGAATGGG
 AGGGAAGATTGACTCGAGGGCGATGGCCAATGCCACGCCACACCGCCACATGTTCCATGAGAGAGACG
 AGCCACGCCGTATGGCGCCGATCAGGCCATCGAACTCGTGCGCATTGCAGTTGGGCCTCAGCCAGGG
 TAACAGTAAAGTGCATGCTTTGATTGTCCCAACGTTTTTCGACAATCAAAGGCATGAGCGCACCACTTTC
 GCAACATCTTGACAACACCGACACACTCGCTGACCCATTACCCGCTCTCGGCATGCCGGGCTGCTTGTG
 ATGGATGTGATTCCACGCTCATCGATGAAGAGGTGATCGACGAACTCGGCGAGGAGGTGGGTGTGGGCG
 ACGAGATCGCGCCATCACCGCGCGGGCGATGAACGGCGAGCTTGATTTCCGGCAGGCATTGGACGAACG
 GGTGGCGCTGCTGAGAGGGATGCCAGCACAGATCTTCGATCGCGTGACGAACGTTGCATTTACCAAT
 GGCGCACATGAACTCATCGACACGCTCCATGCGCATGGCTGGAAGGTGGGGGTGCTCTCAGGTGGCTTCC
 ACGAAATCGTCGACAGGCTCGCAGCAGACGCGCATCTCGATTACCACATTGCGAACCGACTGGGCGTGGA
 TGCCCCGCCGCGCATGCTACCGGCGAAGTGGTCGGTGATGTCGTGACCAAGGAGGTCAAACCTCTCCCGG
 CTACGGTCATGGGCTCAAGAGAACGACATCGCGCGCATCCAGACGGTTGCCGTGGGCGATGGCGCGAACG
 ATCTGCCCATGATCGGCGCTGCCGGACTGGGCATCGCATTCTGCGCCAAACCACTGTGCGCACGGCGGC
 CCCCCACAGATCGACGAGCGGATCTTCGCAAGGTGCTTGATTTCCTGCAGTAGCAGAACAAATGTCCGC
 TGCCGGGCAACCGCAGCAATCACTAGAATGCCCGAGTCGGCACCTCGATGAAAGCCGGCTCCGGGAT
 TCTGGTGAGACACGTGATCGAGATAGGCACCTTCAGCCAGATGTGCGCCGCGGGGCCACTCCGGAGCCC
 CCATCTCTCGTTGCCCGCGCCTTGACAACAGCAGTTCCAACGGGTGGTGGAAAGTGCCACCCACAC
 GTGATGCTTGGTGACGTGCAGCTACCCGGCTTGAGATTCCGAGGTGATTTCATCGGCCGTGATATCGGCC
 GGGATGGCCTTCGACACATGCAGCGTCTGTTGGCATCATCACCATGTGGATGTAGATTGCCCCATGCC

CCGGCGCCGGCGTGACGGCGCAATCTGGCGATCAAGCGCGAAAGCCGGGCACGTGAAACGCATGTGGGC
 ATCCTGCGTGGTGATCTTGGCGGCGACATCGTAGGAGCTGCCGGCTGATCGACGGCGTTGACGACTCCT
 TCGTCAAGGGCCTGCAGCGATGCCGCAAGCAGACCGGCGCCATCTTCGGCGAGACGGTCGAGCAGCTCGC
 CGGCATTCTCATGCGCACCTATGGTCACCGTGCTCTGCCCCGAGCACCGGCCACGATCCATACCTGCAGT
 GATGCGGAACACCGAGCATCCGGTCACTTCGTCGCCAGCCCAGATCGCGCGCTGAACCGGAGCGGCACCA
 CGCCACTGCGGCAGCAGCGAGAAATGCAGGTTGTACCATCCCAGCGGCAGCGCCTCCAGCACCGATTAC
 GCAGGATCTTGCCGTAGGCCACCACCGCCGCACATTGTGCTCCGGTGGCCTTCAATGCGGAGAGGAAGCA
 TTCGTGCGCCGGATCGCATTGATGACATCGAGGCCAAGTTCACGAGCGGCCATTTTCACCGGGCTGGGC
 ATAATCTTACGGCCGCGCCCCGTGGGCGCGTCAGGCCGGGTGAGCACTGCGACCACTTCGAAATGCTCGG
 TGTCTTTGGCCAACATACGCAAGAGGGAACCGCCACCTCCGGGGTTCGCGCAACAGCACTCGTAACAT
 TGATGTCTCTCTTCCGCCCCGTGCAACTCATGGGCTGTGGTTTTCACTGAATCCCAAGCATAGTACGCAC
 AAGGCGCAGGCAGTCGGCTTACGGTCACAGCTGAGTCGGATGCCGCCTCACAGCAGATCTTCGGGTCCA
 TTCTGAACCGCAGTTCCCCACTTTCGCGAGAGGCCACGTGACGCGCCACCTCAGTGCAGCGCCGAATGC
 GAGTTCGGCACGTGCGGCATGCGAGACGCGCACGACCGCCTTACCCTATCGCCCATCTCATCGAGTTCA
 CGGGCATCGATCGTGCATCTGGAGCGAGAGGGGTGATGCCGAGCAGTGAGGGGACCTTCCCTTCTCCGC
 TTTCCACCCATGCCAATCTCCGTTGCAATGCCTATGTTGTGACAGGGCACGTTCCACCGCATCACGTCT
 CCCCCAATGCAGGCGGCACTGACGATTGGGGGACGCCCGTCGCAATGCGGTCCGCGAGCTCATTGCTC
 GCAACCACGCGGGGATCCCAGAGCATGAGCGAACGAGCCAGAGTCGGATACGTCTCGCCGATCAGCAGTC
 CCTGCTCCGGCGGCACGTGATTGACAGCGACATCGCTGCATCCAATTGGACAGCACATCCACGCG
 AGCATCGAGACGCAGATCGTACAGACTCGTCCAGGCATCGAGAATCGCCACCGCCTCGTAGGCTCCCGTC
 GTACCATCTTGCGTATGCACCATGGGTTGCGATCCGGGAGTGGCGACGACAATGCGCGGGGCGGCATCCA
 CATGATCCACAACCCCTTGGCTTTGGCTCGACACGAGCATGGGAACGCCACGGAATAGGCCCTGCAATTC
 CTGCACGGTTCCACCGCCCCCACACGGATCACGCGCAACCGCTCTGCTCCGCAATGCCTGCAATGCCAG
 TCCACTGCTGATGCGCCACACCAGCTGCATCGCGGGGCATCGGCCCGGGAATACGCACCAATGGCCCGC
 TGCAACGCAGGCATCGAGCCAGTTGCAGGCACTGCGCGCAACTCAACGACTCGGTGACGCCATCGTGGCG
 TATGGAGAACAGCATGGGGCCATGCTCAAGCGCCTTCGACAGCACACGCACCGCAGTGTCGGGTACCCTG
 GCACCGACGCTGGGATCGGCGAGCCGGTTGAGTTCGTACGGTTCAGCCACCGTACCGGCGGTGCTGGC
 TTTTAATCACATCGGAAAAGCCGTGCACCGCCACACTCGGACCAGCGACCTCCGACACGACCGAGGAGGT
 TTGGCTTTCCCATCTCAACACGCTACGCGCCCTCCGATTGCGACGAAGACGCCTCCATGGAGCTTG
 GCACGCAGACGGCACACACCACGCGCATTCGCATAGGGCATGAGGCCATCCGCATACTGGTAGGCGTCGT
 CGTCCACAATCGAAACAGCGCCTCGTCCGGTACGGGCGCATACATGGCCGCCCTCGTACCCACCACGCA
 AGTGACCCGCCCTCGCCAATCGCCAGATACGCCGGTATCTGTGCGCGGCGGAGAGCGCTGCACTCAAC
 ACCGCGATGTACCCCTCGTATATCTGCCTGGCATTGCGCGAAACACATGGAGTCCCATGTTCTCCAGCG
 CATGCACCATGCTCCACACCTCACGCATGCCGGGCATCACCAGCACGGCGGATTTCGCCGCCCATGGC
 GGTGAGCGCCATCCAGGCCAGTGTCGGTTCCCATGCACCGACCCCCGGAAGGGCATCGATGACGAACGCC
 GAGAACCCTGCGGTGCGGTGAGTGAGGCACGTAGGGTCTGTGCCTGCTCATAGGCTTTGGCGATCACGG
 GGAAATGGTCTTCGGCACGTGAGGCGAAACGACCCCTGCGATCAACCATCGGCGAATCGGCATAGGACGC
 CTCATCGGCAGCCGACTCCACGTGCTTGCCGATTGCATGGTGGCATTGGGCTCCTTCTCCACGCCGGCG
 ACCCTGCCGGCATGGCCACGCGCAGCACGTTGCTATGGTGCCGCCGTAGGCATTGGCCACGGCGGTGA
 TGTCACGGCGCATCTGGCTCGGTACGAGCACGCGCGGCGAAACGACCTTCTCGATGTAGCGAATGGCATT
 TGTCGGCGTATCGCTGTCGTTACCCGTTCCCAAATAATGCCGCTGACGCGCTGGCCTCCGAATCTGACC
 CGGACCAGAACACCCGGCTGAGCGGCTTCGCTCATGCTGTGTCGACGAAATAGTCGAAGGGCTGCCCCA
 GATGCGTGGCCTGCACATCCAGCACACCCGCGCCACCGGCAGCTGGGCAGCAGGCTTTCTGGGCGCTGC
 CTTGCGCGGCGAGCGCCGCCGATGCCCATGCCGTGCAAGCCGGCTGCATCGCTTCTCGGGTGTTCAC
 CTCATAGTGGCCAGTCTAGGCTCTCCCCTCATTAGGTAAGGCGTCAGCATGCGCGTGTCCAGTCCA
 TACATACGAAAAAGCGGCATGCGTATGAGCATGCCGCTTTCACGTGGGCGTCAGCTTACCGACTCAGTG
 GTTCGGCCACCATGGACGCAACGGGTAGGTGTGAGTGCCTCATCGTTTGGTTTATGGCGAGGAACTGA

TGCACCTGAATGTTGTTTCATCTCGAAATTGAACGCGCAACCGGCCATATAGAGCCCCACAAACGGGCCT
 TCGGCTCACCAGACGAGCTTGACGGCGTCATCCCAATGCGCCACCAGATTCTCGTTCCAACGGTGCAGCGT
 GAGTGCATAGTGCTGGCGGAGGTTCTCCTGATTGATCACCTCGAAGCCCGTGTCTTGGATCACCATCTCG
 ATCTCGGCCGGTGAGGAGAGCTCGCCGTCCGGGAATATGTAACGGTCGATGAACTGACCGGCTTTCTTGC
 CCTGATGCGAGTTGACCGGGTGATCTGGTGGTTGAGCAATTTGGCGCCCGGCTTGAGCTTGGCGTAGAT
 CTCCTTGAAATACGACGGGTAGTGCTTGTGCCCCGACATGCTCCATCATGCCGATGGAGCAGATGCCGTGCG
 AAATCGCCTTCGGGAACGTACGATAGTCCATGAGTCGCACCTCGGCGAGGTCCTCCAGTCCTTCGTCTT
 TGATCCAGCGCTGAGCCATTGACCTGCTCCTCGCTCAGCGTGACGCCGAGGGCCTTGATGCCGCGCTT
 GGCAGCTTCGATCACCATGGACCCCCAACCGCAACCTATGTCGAGCAGTCGTTCTCCCGGCTGGAGTGCG
 AGCTTGTGAGCAGCAGGTCGATCTTGTCTTCTGCGCGGCCTCGAGCGACATGAGCGGGGAGTCGAACA
 CCGCGCAGGTGTAGGTCATGGATGGTCCCAGGAACATCGAATAGAATTCGTTGACTGATCGTAATGGTA
 GCTCACCGTGGCCTCGTCGCCGGCCTTCAATGCGGCAGCAGTCCTTCGCTGATGCGGCGGGCACGGCTT
 GGGCCCTCGATATCGGGAGGCGCGGGACGGTGAACCCATGGGAGGCCACCGAAGCGAGCGCCTTGGCCA
 GTTGGGCTGGATTTGGTGTACGCAGGTACGACTTGAGCGGTACGAGTTCCTTGAACAGCGCATATGGATT
 GCCGGGCACGAGCTGCGGCGAATCGATGTCCCCCTGCAGGTAGGCGCGGGCCAGGCCGAGCTCGCTCGGC
 GCATTACCATGTAGTAGATGGCGCGCAGTTCTTACCTGCAACGTCAGCGGAGCATCGTCGGACCCAT
 ACGACGACCCATCGAACTTTCAATATGCACAGGTGCACCCGGCTTGAGGAACAGCTCGATCATCTGTGC
 CACGGTCATTGCGGCCATATTATCTCCTTTGGAGATTCTTGCTGCACGGCGCATTGGTGCAGCTGTT
 GCATTGAGATATGCCGTTGCCATCCTGCATAAGCAGCTTGCCGGGATGGACTTGGTGGTATTCTGATCA
 GTCGACGAGGGTGGCGATGGCCCGCTTGAGCTCATCGACCTTGTGGTGTGCTCCCAAGTGAAGTCATCG
 TCCTCACGTCCGAAGTGCCGTACGCAGCCGTCTTCGAGTAGATCGGACGCAGCAGGTGAGCTCGTCCA
 CAATCGCGGCAGGACGCAGATCGAACACCTTGCGCACGGCTTCTGAATCTGCTCGCGGGTCACGCCGTC
 CGCCTCGGTGCCGTAGGTCTCCACATTGATGCTCACCGGCTCGGCCACGCCGATGGCGTAGGCAACCTGC
 ACCTCGACCTTATGGGCCAAACCCGCGGCCACGATGTTCTTGCGGACCCAACGTGCGGCATAGGCCGCGG
 AACGATCCACCTTGCTCGGATCCTTGCCCGAGAACGCGCCGCCGCCATGATGGGCCGACCGCCATAGGT
 GTCGACGATGATCTTGCGACCGGTGAGCCCTGCATCCGCTGCCGGACCGCCCATGATGAACGAACCTGTC
 GGATTGACGAGCAGCGGTAGTCGTGCTTACCGCATCCCCAGCACCTCATCGAGCACCGGCTCGA
 TCACATGCTCCCGCAGATCCTCGCGCAATGCCCTCTGCGAGACCTCGGGATCATGCTGTGTGGAGATGAG
 CACGGTATCGACGCGCAGCGGCCTGTTCTCCTCGTCGTATTCAATGGTTACCTGCGTCTTGCCGTCGGGG
 CGCAGGAACCTTACCTCGCCGTTCTTACGCACCTCTGCGAGCCGATATGCCAGGCGATGTGCCAGATGGA
 TCGGCAATGGCATGAGCACATCGGTTTCGTGCTTGATAACCGAACATGACACCTGGTCGCCCGCTCC
 TTGTGCTCGTAGCGCTCCTCGCGGAGACGGCGTTCTCCCGGTCCGAGTCGATCCGGGAAACACCTTGG
 TTGATTTACAGGGCTTTGTTGCTCAGTGAACAAGAACGCCACAGGAATCCGCATCCAGACCAATCACCG
 AGCTGGTGTACCCGATCCTACGCACTGTGTCGCGCACAATGCTCTGGATGTCGGAGTACCCTTTGCTCGT
 CACTTCGCCGAACACCCAGAACTGGCCCTTCTGTCGGGATGTCTCCACCGCCACATGTGAATGCGGGTCC
 TGGCGGAGCATGTCGTGAGAATGGCGTCGGAAATCTGATCACAGATCTTGTCGGGATGTCCTTCGGTAA
 CGGATTCGCGGAGATCAGCTTCACTTCTGCCATGACTCCTCCTCTATTTCATATGCGGGCGTTTGT
 CTCCACAATTCAATCACATCTTCGCTACTTTATACGCAAGCGTAACTTAGCACCACTGGATTGCGGGT
 CAAACCGGGTTGGCCGCCAAAACAAAAACGCCCCACCAATATCCGGCAGGGCGCACATGCATGTTCTGTA
 AAGTCTAGTTTCCTTCGCTCAGATCGTCTTCGCCGAGCGTCTCCTCAAGCAGGCCTTCGTTGATCTCGCG
 GAACGCGATCGACAACGGCTTCTCCTGGCTCTTGTACTCGACGAGCGGACCGACGTTCTGCAGCAGACCC
 TCATTGAGCTGCGTGAAGTAGGAATTGATCTGGCGAGCAGCTTGGCAGCGAAAATGGCCAATGCGTACT
 TGGAATCCGCATGCTCCATGAGGTCGTGATCGGCGGATCCGCAAGACCGGTCGGGATAGGCTCAGTGCC
 GAATGCCATTTGAAATCTCCAAATCACTAGCAAATGCTTATGCAAAGGTTCAGTATACCTCAAGTCGACG
 AAAATAGGCAAACCTCTGACAGATGTACCTATTCTGTTGAGATTATGGCCGAAAATCCAGCATGCGGAAG
 CTTGCCCCTCTCCGCGAAGTTGAGTTGAATAGATGCTTATGGAAATGCGATCTGCAAAAATCATGAA
 CGGACGAATGTTGCGCGGTGCCGCGCGCTCTACCGTGCAGCGCGGCTTGACAGCAAGGATTTGCGCAAG

CCGATCGTCGCCATTGCCAACTCCTTCGACGAATTCGTCCCCGGGCACGTACATCTCAACAAAGTTGGGC
 GTCTCGTCTCCGAGGCCGTGAAGAAGGCCGGCGGCATCCCGCGTGAGTTCAACACGATGGCCGTCGACGA
 CGGCATCGCCATGGGGCACACCGGCATGCTGTACTCCCTGCCTAGCCGCGAGATCATCGCCGATACGGTG
 GAATACCAGGTGAACGCGCATTGTGCGGACGCGCTGATCTGCATCTCGAACTGCGACAAGATCACACCGG
 GCATGCTCATGGCGGCATTGCGTCTCAACATTCCGACCGTGTTCTCGTCTCCGGCGGCCCATGGAAGCCGG
 CACCACCGTGCTGCCGGACGGCACCGTGAAGGAGAACACCGATCTCATCGACGTCATGTACGCCTCTGCC
 GACGACTCCATGAGCGACGACGACCTCCTCGCCTTCGAGCGCACCGTGTGCCGACATGCGGCTCATGCG
 CCGGCATGTTACCGCGAACTCGATGAACTGCCTACGGAGGCGATCGGCCTTGCACTGCCCCGGCAACGG
 CACGGTGCTCGCCTCGCACGGCTACCGCAAGCAGCTGTTCAACGGGCGGCACAACAGGTGGTCAAGATC
 GCCAACAGTACTACCAGCATGACGACGAATCCGTGCTCCCCGTTTCGATCGCCACGAAGCACGCCTTCG
 AGAACGCCATGACGATGGATGTGGCGATGGGCGGCTCGACGAACACCGTGCTGCACATTCTCGCGATGGC
 ACAGTCTGCGGACGTGCACTTCACACTCAATGACATCGAACGCATCTCGCATACTGTGCCGTGCATCTGC
 AAGGCATCGCCATCCGGCGAATGGGAGATCTCCGACGTGCACCGAGCCGGAGGCATCACCGGAATCCTGG
 GTGAGCTCGACCGTGCCGGCAAGCTCCACCGCGATGTGCATTGATCGACTACCCCTCGCTCGAGGCCAA
 GCTCGACGAGTGGGACATCATGCGCGACTCCTGCACCGAATACGCCAAGGACTTCTACAGGGCGGCTCCG
 GGCCACATCGTCTCCCCGAGCCATGGACCCATGAGACGAAATTCGATTGCTTGACACCGACCGTGTGA
 ACGGCGCGATCCACGACATCGACCATCCCGCCGTGACCGAAGGCGGTCTCGCCGTGTTGCGCGGCAACCT
 CGCCCCGGATGGCGCCGTGGTGAAGACCGCAGGTGTGCCGAAGGAGATCTGGAAGTTCCGTGGTCCCGCG
 CTCGTGTCGAATCGCAGGAGCAGGCGGTGAGGTATTCTCAACGACACGCTGAAACCAGGTACGGCAC
 TCATCATCCGTTATGAGGGACCGAAGGGCGGCCCGGGCATGCAGGAGATGCTCTACCCGACCTCGTTTCT
 CAAAGGCAAGGGCATAGGCAAGGACGTGCGACTGATCACCGACGGCCGCTATTGGGGCGGCTCCTCGGGC
 CTGTGATCGGCCATGTGGCGCCTGAGGCGGCGAGCGGCGGAACATCGCGCTCGTCGAGAACGGCGACA
 TCATCACCATCGACATCCCGAACCGCACGATCAACGTGAGCTGACCGACGAGGAACCTCGCCGAGCGCCG
 TGCCAAACTCGAGGCCGGCGATGGCTATGTGCGACACCGTGATCGAAAGTGAGCCAAGCACTCAAGGCC
 TTCGCCGCTTCGCCAGGTGCGCCGACAAGGGCGCCACCCGCGACCCGAGCTCATCGACCGTCTTTCGG
 GACTGGCCTGATTGCGCTGGGAATCCTCGATACCTAGAACCTATGCGAGTGGGGGTGCCACCGATTTCCT
 CGGTGGCACCCCCACTCGCATTGATGCCGATGCCGTGAGTGGTATCCTGTGGCAAGCCGTATTCTGT
 TGCGATGACATTCCACAGGTCCCGTGCCGCTTGTCCACCTGCTCGTTACGATCGTCACATCGAACTCG
 GGCTCCGCCGCCAGCTCCACCTTCGCGGTCTCGAGCCGCTTCGCTGCTGTTACAGCGTCTCCGTCCCAC
 GCCCGATCAGACGTTTCTTGAGCTCGTCGAAGCTTGGTGGCGCGATGAACACGTAAACCACGTGAGTCC
 GAGTTCCTTCGCGCGTCTTACGCGGCGCGCACCCCTGCAGGTGATCTCGAGGATTGTGCGCACGTTT
 CCTGCCAAGTGCTACGTACGGGTTCCAACGGCGTGCCGTAGTGCGCCATGCCATGAACGACGGCGGTTT
 CGAGGAACTCCCCGCTCCTGCTGCGCAGGAATTCGGGTTGCTTATGAACCAGTAGTTCACGCCATC
 GCGTTCGCCCGGCCGTGGATCGCGCGTGGTGGCGGAGACCGAAACCCAGACCTCCGGATGCGCCTTGCGT
 AACGCCGTCTCGACGGTGCCCTTGCCACGGCTGTGGGGCCGGTGAGTACGATCAGCCGGCCGCTTGCC
 GCTCGGTTGCTGCGATTGCCGGGATTGTTGCTCATTGTTCTCCCAAGTGCGAATCCTTTCGGATT
 GCCATGTGTCCGCTGGCGCCGTGACGTGCCGTGATGGCTTCGCGCAATGCCTGCGTACATCGGCGG
 CAATGGTCTGGGTGCTTTCGATGAGCGCGTCCATGTGCGGCCCCGCTTTCGGAATCGCGCGGGACACCGT
 CACCAACACATTGCCGTTGGTGCCATGGAACACGTTCTTCAGATCGCTGCCCTCCGCACCTTGCCAACCG
 TAGCCCGGCGAGAGGATCGGCCCGGTGAAATCGCCCGGTTTCGATGCCGCTTTCCTGCAGCCATTGGCTGA
 TGGTCCGCGCAATGATGAGTCCGACCGAACCGAGGCCCTTCACTGATTTATTGTACTTCTGAGCGGTGCG
 GGCGATGCCATAGGCCACCGTCTTGCTTTGTAATCGCCATTCTGGCGGATTGCGGTGTCGAGACTCGCG
 CCTCCGGGTTTCGACGTGAGCGAGGCGATGAAGACTCCCTCCCATTTGTCAAGCGCATCGTTGATCACAC
 CACCGAGCGACCGCGCACCGTAGTATGGCAACAACGTGATCGCATCGGCAAGCATGGGCGCATCTGGCTT
 GAAATAGGCGTCGGCAATGGCCGAGATGGTGGTGCACAAGCCGCCATGCAGACAGTCGACAAATGGTGATG
 AGCTCCATCTGGCGGGCCGCTACAGGGCGCGTTCAGCGCCACGAAACCGCGGGAGCCGTAGCGTTTCGA
 ACATGGAGAGCTGGAACCTTGACGGCTGCGGCCCTGCCGCTGGCCGCTGAAGCATACGATGGCGAAGAG

CTCCGCGCCTTCGGCGTCGACGCTGTACCCCCAGTTCTCGAGCACGCCCTATGCGGGTCAATGCCACG
 CATAGCGGCCCGTATTGCTTCATTGAGTTGCTCAGCCGCAATCCGAAGTCGGAGTGCATGGCCTCGCGTT
 CTTGTCTGTGAGCGATTGTGTCATTGCGCCCGCGCTTCTCTCCTTCTTCTTGTGCTTGCCTTCGAGT
 TCGTAGAGCTACGGGAGTGCTCCTGAATGCTCATCACCTCGTAGTCGTTCTTCTTACGGCTTCGATGG
 CCAACAGCACCGCGGAGAACTCCGTCATCGTTGTGTACTGCGGAATGTCGGCGGCAATGGCCGCGGCACG
 GATCGAATAGCCGTCGGATCGGGAGCCACGGGAGTTCGGCGTGTTGAGGATGAGATCGATCTGGCCTTCC
 TCGATGAGCTCGACGACGTTCTTGCCAACGCTACCCGCGGCATGCTGGATTTCATCGGATGCTCCGGAT
 CGGTGTCCACCCGGCTGTGAATCTTGTGACGATCTTCGATTGATGCCGTAGCGGCGCAGCACCGATGC
 GGTGCCCTCGGTGGCCAGATCTCGAACCCAAGCTCCACCAGACGCACGGCGAACAACGGCAGCTGACGC
 TTGTGCGTGTGTTACCCGAGATGAACACGTTGCCGTTGTCGCGCAGTCCCCCTCGTAGGAGGCCAGCT
 GGCTCTTGGCGAAAGCATGCGGGAAATCGCGGTGCAATCCCATCACCTCGCCGGTGGAACGCATCTCGGG
 CCCAAGCAGAATGTGACGGTCTTGCCGACCGGCGTGCGGAAGCGCTTGAACGGCAGCACCGATTCTTC
 ACGGCGACCTGCTGGCCGAGGCGCACATCGCCGCCATCGCCATAAGGCAGCAACAAGCCGTTCTCACGCT
 GCTGCTCAATCGTTTCGCTGCCATGATGCGGGCCGCGGCTTCGCCAGAGCCACGCCGGTGGCCTTGA
 TGCGAACGGCACGGTGCGCGAAGCGCGTGATTGCTCGATCACATAACGTGTTGGCCATGAAGGCA
 TACTGCACATTCATGAGACCGCGTACCTGGCAACCCTTGCTATGGCCAGGGTCGCTCGCGCAGACGTC
 GAATCTGGTCGTCGCTCAGCGTGCTCGGCGGCAATGTACAGGCAGCGTCGCCGGAATGGACGCCCGCTC
 CTCAATGTGTTCCATGATGCCGCCGATATACAGTTCTCGCCATCGAACAGCGCATCGACGTCGATTTTCG
 ATGGCGTCTGCAGGAATTGTGATGAGCAACGGGGAGGGAAGACGCCCCGACACCACGGTGTGCGGCTT
 TCGCCTCACTCAGTGCGCGGTTACATAGGTCTCCAGCTGCGCATCGTCGTACACGATCTCCATGCCGCG
 GCCGCCGAGCACGTAGCTGGGGCGCACACCGGGTAGCCGATGTTGTGGGCGGCCCTACGGGCCTCT
 TCGAGGCTCAGCGCGGTGCCGAAACGCGGCGCGTTGAGATGTTCTGACGCAGCACCTACCGAACAGCT
 CACGGTTCTCGGCCAAGTCGATGGCCTCGGGGGTCTGTCGCGAGAATCGGCACGCCGGCGGCCCTTGAGACG
 TGCGGCGAGCGAAAGCGGCGTCTGGCCACCGAGCTGCACGATCACACCCTTGATCGGGCCCTGCTTCTTC
 TCGGCCTCATAGATCTCAAGCACGTCTTGAAGGTGAGCGGTTGAAATATAGGCGATCCGACATGTCGT
 AGTCGGTGGACACGGTTTCGGGATTGCAGTTGACCATGATCGTGTCATAGTCCTTGCCGAGCTCCTGCAC
 AGCGTGCACGCATGTGTAGTCGAACCTCGATGCCCTGGCCGATGCGGTTGGGTCCGGAGCCGAGAATGATC
 ACAGCCTCGCGTTCCTCTTGCGCAGTTCGGTCTCATCGGCATAGCACGAATAGTAGTACGGTGTTTGC
 CGGCGAATTCGGCGGCACAGGTATCGACCGTCTTGAACACCGGGTGCAGCCCGTAGTTCCAGCGCAGTTT
 GCGAATCGTGTTTTCGCTTCGTACCGAGTCTGCGCAGATGTGCGATCTGCACGTCCGACAGACCAGCG
 AGCTTCGCTTCCTGAGCAGGCGCTTCGAGAGCGTCTCTGCGCCGCGCACCTGCATGGCGGTAGCGTTAA
 TCTGGAAGAACTGGTCGATGAACCACGGGTGATCTTCGTGGCGTTGAAGATTGTTCCGGCGTCGCACC
 TCCCCAGATCGCACGCATGACCTGCAGGTAACGGTGTTGCGTGGAATGCGCATCTGCTCGAGCAGCTCG
 TGCACCTCGCCCTCGTAGGCTTCTCGCCGTCCCAGCTGAAGCCCATATGGCGTTTGTCTATGGAGCGCA
 TGGCCTTCCCAAGCGACTCTGGAAGTTCCAGCCAAGGCCATGGCCTCGCCACCGACTTCATCGAAGT
 GGTGACGCTCGGATCGGCGCCCGGAACTTCTCGAAAGCGAACCGCGGCACCTTGGTGACCACATAGTCG
 ATGGTGGGCTCGAAGCTGGCAGGTGTCGACCTCGTGATGTCGTTCTGGATCTCGTCGAGCGTATAGCCGA
 GCGCGAGCTTCTGGCTATCTTGGCGATCGGGAAGCCTGTGGCCTTCGACGCCAGCGCGGAGGAACGCGA
 TACGCGTGGGTTTCTCGATGACGATGATGCGGCCCGTGTGCGGGTGAATGGCGAACTGGATGTTGCAG
 CCGCCGGTGTGACACCCACACCGCGAATGATTGCGATGCCAATGTCACGCAGCTTCTGATACTCGCGGT
 CGGTGACGCTGAAGACCGGGGCGACGGTGATCGAGTCGCCGGTGTGACGCCGACCGGGTGCAGTTCTC
 GATCGGGCAGACGACCACGACGTTGTGCTTGCAGTTCGCGCATGAGCTCGAGCTCGTATTCCTTCCAGCCC
 TCAATGCCCTCTTCGATGAGCACCTCGTCGGTTCGGCGAATAGTGAATGCCAGCACCGGCGATGCGGTGCA
 GCTCCTCGGTGTCATGCGCGATGCCTGAGCCAAGGCCTCCATGGTGAACGACGGACGCACGACCAGCGG
 GAAGCCGAATCGTTTCGGCAATGGCGTCCACTTCTTCAAGGTGTGGGCGATGTCGGAGCGCGCCGACTCG
 GCGCCTGCCTCTTACCACCTTCTGAACGACTCGCGTCTCACCGCGGTGATGGCTTCCAGCGAGG
 CGCCGATGAGCTCCACATTGTATTCTTGAGCACACCGGCTCGCCAAGAGCCACTGCGGCGTTCAATGC

GGTCTGGCCGCCAAGCGTGGGCAGCAATGCATCCGGGCGTTCCTTGCGGATGATCTTCTCGAGAATGGGA
 GTCGAGATCGGGTCGATGTAGGTGGCATCGGCCATCTCCGGATCGGTCATGATCGTGCGGGGATTTCGAGT
 TGACGAGAATGACCCGCACGCCTTCCTCGCGCAGCACCCGGCATGCCTGGGTGCCCGAGTAATCGAATTC
 GGCCGCTGGCCGATCACGATCGGGCCGGAGCCAATGACCATCACCGACTTGATGTCTGTGCGCTTAGGC
 ATTCGCGTTCTCCTCCTTGGAAGCCTTGGAATCTCGGGAATTGTCCATCATGGAACGAAGCGGTGCAAT
 AGATAGGCGGCATCATGCGGTCCAGCCGCCGCTCGGGGTGATACTGCACCGAGAACGCCGAATATCGA
 CGACTGCAGGCCTTCACCACATTGTCGTTGAGATCGACATGGCTCACGAACACCTTGCCGTACCGACC
 GTTCTCAAACGGGGCGTCCACCGTCTCACCATTGGCGCATCCACTGCGAAGCCATGATTGTGGGCGGTG
 ACCTCCACCTTGCTGTGGTCACATCCTTGACCGTTGGTTGATGCCACGATGACCGAACTTGAGTTTGT
 AGGTGCCGAACCAAGGGCACGCCCCGAGCAACTGGTTGCCGAAGCAGATGCCGAAGAAGGGTAGCCGGC
 GTCGAGCACCTGGCGCAGCAACGAGACCATCTGGCCGGCCTGTTCGGGTGCGCCGGCCGTTTCGAGAAG
 AACACCCCGTCGGGGTTGAGTTCCTGAATCTCATGAAGGTGACGGTGGAAGGCAGCACGACCACACGGC
 AGCCTCGCTCGCCATGCGGTGTGGGGTCATGGCCTTGATGCCAGATCGACCGCGGCCACGGTGAACAA
 CGGCTCCTTGCTTCGAAGTCGCCAGCCGGCTCGACCACGTAGGCTTCCGGGGTGCTCACCTCGTCGTAG
 AGGCTCATGCCCTTCATCTGCGGGGTTGTTGACCTCTTCGAGCATGTCGGAATCTCGCGGGGCTCGC
 CGTTGGAACCGACAAGCGCCGCTCCCGAGAAGATTCCCGCACGCATCACACCTGCCGAGCGCAGGTGTCG
 CACGAGTTTGCGGGTGTCGATATGCGAGATGCCACGATGTGGTTGGCCATGAGATCGTCATCCAACGAC
 CCTGCGGCGCGCCAGTTACTCACCACCATGCTCGGGTCGCGCACCACATAGCCCGCGACCCAGATGCGGG
 AGGATTCAAATCGTCATCGTTGACGCCGGTGTGCGCGATGTGCGGGAACGTCTGCACCACGATCTGACG
 ATCGTAGCTCGGGTCGGTCAGTGTTCCTGGTAGCCGGTCATCGCGGTGTTGAACACGATCTCCGCGCAG
 GTGGATCCCGTGGCACCGAATGGCTCGCCAACGTACACCTGCCCGTCTTCAAGCACGAGAACGGCATCCT
 GAGCCGTGTATTATTCGCCGGATCGAACTGAGTCACCATACCCCCATTTCGTCAAAAGTATTTGAGGAAA
 GCGGCCGGTTGAGAGTCGCGATCCGGCCGAACGCGATTACCTGCTAATTGGTTTGGTTCGGATTTCGTCCTT
 GTCGGAATCATCAATGGTGTGGACTGCGGGGACTGCTTGTCTTCGCCGCCACAATGGCACTTAACACA
 CCGTGAATGAACGAAGGGGGCCGCATCGTCTGACAACGTCTTCGACAGATTACGCGCCTCGTCAATGGCCA
 CTTGTGCGGGCACATCGTCGTTGTAGAGAATCTCCACGTGCAATGCGCAGAATGTTGCGGTGATCGC
 ATGCATGCGCTTGACCTTCAACCGGTGGAATGCGTATTGAGCTGGGAATCGATGTCACGCCGGTGCTCA
 TCCACGCCACGCACAATCTCAATGGCGTATTTCGGGAAGCGGCGTCTGTGCACCGGGCTGAGCGATGCGTT
 CATCAAGAAGGGACAGGAAATCCTGCCCTTCTCATCCGCTTCATAACGTGTTTCAGAGCCCTGCGACG
 AGCGGTGCAACGTGCCATACAAGCTTATCCTTTCTTACTGTGGGCGGGGCACCGGCATGCGATGCCAA
 TCCCCGCCCGCAAGTCTGCTTCTGTGAGTGCGAGTGGCCGATCTCAGTTCTCGCGGCCAGGTAGGAGC
 CGTCGTGCGGTGTTGACCTTACCTTCTCGCCCTCGCCGATGAACAGAGGGACCTGGATTCGGCACCGGT
 CTCGACGGTGGCCGGCTTGGTGCCCGCGTTGCAACGGTTACCCTGCAGACCCGGCTCGGTGTGGGTGATG
 GTGAGCACGACGGATGCCGGCAGTTCACCGACAGCGGCTGGCCGTCGTGGAAGGAGACGATGCAGTCGG
 TGCCTTCGAGGAGGTACTTGGCCTTGTGCGCCACGAGCGTCTTCGGAATCATGATCTGGTTCGAAGGTGGT
 CATGTCCATGAACACGAAGTTGTGCGCGTCTCATACGAGTACTGCAGCGTGCGGTTGTGACGGTCTCG
 AAATCCATCTTCATGCCGGCGTTGAATGTCTTGTGACGATCTTGCCGGAGAGCACGTTCTTGATCGTGG
 TGCGCACGAAGCGGGGGCCCTTGCCCGGCTTGACGTGCTGGAACCTTGATGACCTGCCAGAGCTGGCCATC
 GAGATTGAGAATGGAACCGTTCTTGATGTGTTAGTAGTCTGTGCCAAATTACTCACCTATTCGTGTGCA
 CTATACAGCTATATAGAGCCTTGCAATATTATGCCAGCACCTCTCTACAGTCATATGTGCACTGTTGTACA
 CCGTTTTGTCGTGACGACGCTTCGCGTCCATTTCTCAGACCTGCATCGCCTGGTCATCGCACCGCATT
 TTTCTGTTGCGCCGGCGGCAATACACGGCATCTTCGCACCATTCACAGATTGACGGGGTATATCAACAA
 TCTGTATGCCGTCTGCACACCCGTGCAAGGAGTAAGGATGTCCATGTCAGAGGAAATCAAAGATT
 CACGCATCACCGATGCACTCGCGAACC GCCGTTGCGTCATCATCGTTCGGTCGCGCCACCATCGCCGCCAA
 GCTCGCGCTCTTCGAGTCCCTGCTCGCGAATCTGCCCGAATCCGCAAGACTCGGTGTGATCGATGAGAGC
 GGCGCGTTGGCCGAGATTCCCGAGAACGCCACGGTGATCGATGCCAAGCTCAAGGGTGTGATGCGATCC
 ACCGCATCATTCGCGATGACAAGCTCGATACGATCGCCTGCCAAGCATGCGCCGCGGCGACATCGTTTCG

CATGCTGATGGATGTCTCCGGTCAGGAGAACGGTCAGGTGCTCATGATAAACGGCAATATCGACGATGCC
ACGCAAACGCTCACCTCCGATCTGCCTATGATCCTGCTCAAGAGCTCGCCGTCGGGCCACACCGAGTTCT
CCGACGCCGCCATCAAGGCAATGAATCCGGTGGTCATCGAACTCTCGCCGACGATTCGATTGCGACGGT
CACCGAAGTGGATCTTCATGCCGAGGGCCTCAACACCATCGACGTGAGGTAACCGGAACACTCCCGGTTT
GCTGTGTGGATGCACACTTGAACATGACGAATTTTGTGTGCATCCACATAGTATTTGTATGGAATCGTGT
CATAGAATATGCGGGTCGCCC GAATT CAGGGGCATTGCGGAAAGGTTTTCTATGGTACGGAGCAGAACC
GCTCAACTCATTTTCCAATCGTTCTACTGTGCATTGCGCATAGTGGGAATACTCGGCAGCTTCGGCATGT
ATGACGGCAGCTTCGACAACGTGTTCTACGTGTATTTACGAACCTGTCGAATTACCTGTGCATTGCCGT
CATGTTCTTCGAACTCGTGCAGACGGCCAACCGCAAGCAAGACGGCTATGTGAAGCTCTCCCCGCCTTG
AAGTTCATTTCCGGTCACTGCCATTCTCCTCACGTTCTTCGTGTTCAACCTGCTGCTTGCCAATGCACCGG
ATCGCAACCCGCTCGAGAACTTCAAAGTCACGAGCATCACGTTCCATGTGGTGCTGCCGCTCATGTTTCGT
TGCCGATTGGCTCCTGTTCTACGAGCATAGGAAAGTGAAGTGGACGTACCCGCTCTATTCCACGGTGTTCC
CCGTTGTCTACCTCGCCTTCGTCTATATGCGCGCTGGCTGGTCAACTTTGACACCGCGGTGCCGAAAC
TCTACCCGTATTTCTTCATCGATGCCAATCAGCAGGGCATTGCAGGCGTGGTGCGTTGGTGCCTGATTCT
GCTTGCCGCATTCAATTGTGCTCGGTTACATTCTGATGGCCGTGGACCGTATGATGCCGGCCGCAAAGGAA
TCCACACCCATCGATTCCGCCGACTGAGCCACTGACTGTTTTTATTGAGCTTTGCCGTTTCTGGGCGCC
GCTGTTGCGGCGCCTTTTGTATTTGTAGATTGCGGTGCTCCTTTCTCCCCTTGGTGAATTCACCCGA
GCTGTTGCCATTCGGCAACACGATAGACGATCCCCTGTGTTGACAGATATGCGCAAGGACACTTCGGAAT
CGGTGCCTTCGGACAACGCAAAAGGCCCCACAGTTTCTGTGGAGCCTTTTGGGAACGCTAGTTCATGCG
CGTCTGTCGCACGCTTGATTCAATTGGAATCAGGCGAGGATCTTGGTGACACGGCCCGAGCCGACGGTGTG
GCCGCCTTACGCACTGCGAAGGTGAGGCCCTTCCATAGCGATCGGCTGGATCAGCTCAACCGTGAAG
GTCGCGTGATCGCCAGGCTGAACCATCTCGACGCCTTCCGGCAGCGTGATGACGCCGGTGACGTGCGTGG
TGCGGAAGTAGAACTGCGGACGGTAGTTCGAGAAGAACGGCGAGTGACGGCCGCCCTCATCCTTGTTAAG
GACGTAGACTTCGCCTTCGAACTTGGTGTGCGGGGTGACCGAACCCGGAGCAGCCACGACCTGGCCACGC
TCGACGTGCGGTGCGGTTGATGCCGCGGAGCAGCAGACCGGTGTTGTCGCCGGCCTCGCACTCATCCATCT
GCTTGTTGAAGGTCTCGATGGAGGTGACGGTGGTGGTCTGGGTGCGGCGGATGCCGACGATCTCGACGTT
CGTGTGATCGGCAGCTTGCCGCGCTCGACACGACCGGTGACGACGGTGCCACGGCCGGAGATGGTGAAG
ACGTCCTCGATCGGCATCAGGAACGGCTTGTGAGGTCGTGGACCGGGGTGCGGATGTACTCGTCGACGT
CGTCCATGAGCTCCTTGATGGTGGCAACCCACTTGTCTGATCCGGAGCGTCGTATGCAGAGCGCCGTA
AGCGGAGGTGTGCACGACCGGGCAGTCGCGGTGCAAGCCGTTCTCGTCGAGGAGGTGCGGGACCTCTTCT
TCGACGAGCTCGATGAGCTCTTCGTCATCGACCATATCGCACTTGTTTCAAGCGACGAGGATCTTCGGGA
CGCCGACCTGACGGGCGAGCAGCACGTGCTCGCGGTCTGGGCCATCGGGCCGTGCGGTGGCGGCCACAAC
GAGGATGGCGCCATCCATCTGGGCAGCGCCGGTGATCATGTTCTTACGAAGTCGGCGTGCGCCGGGCGAG
TCGACGTGGGCGTAGTGACGCTTGCCGCTCTGGTACTCGATGTGGGCAATGTTGATGGTGATACCACGCT
GCTGCTCTTCGGGAGCGGCATCGATCTGGTTGAAGTCGTAAGTCTAGGGTTCAGATCCGGGTACTCATCGTG
CAGAACCTTGAGATTGCTGCAGTCAGGGTCGTCTTGCCGTGATCGACGTGGCCGATGGTACCAATGTTA
ACGTGCGGCTTAGTACGCTCGTACTTTTCTTTGCCATATGTTTTGTCTCCTGGACGTTCTCGTAGTA
AGCCTTGATCACTCAAGGCACTTGCTACATTTTACTGGGTTTCTGGGTTTTTGCCACTTTGGACCCGAAC
CCAGTCAGCGCTACAGAATTCTAGCGCCGACTGGAGACAGGTTCAAGTTGTGTTGTGCGTGATTGTAAC
GGATGTCACTCGCCACGCTGGGCCTTGATGATCTCGTCTGCGACGGCCTTCGGGACCTCAGCATACGAGT
CCATCTGCATGGTGAACATTGCACGACCCTGGGTCTTGGATCGCAGGTCGCAATGTAGCCGAACATCTC
GCTCAGCGGCACCTTTGCGTCGATGACCTTGACACCGGTGGCGTCGTTTCATCGACTGGATGGAGCCACGA
CGGGAGTTTCAATCGCCCATGACGTACCCATGTACTTCCGGGGTGGCGACCTCGACGGCCATGATCG
GCTCGAGAATGACCGGCTTCGCCTTCGGGGCGGCTTCTTGAAGCACATGGAGCCGGCGATCTTGAAGGC
CATTTCCGAGGAATCGACGTGCTGGACCTGACCGTCGGTGACGGTGGCCTTGACACCAACGACCGGGAAG
CCGGCGAGAATACCGGATTCCATGGCCTCTGCACACCGGCATCGATCGAAGGAATGAATTCCTTGGTGA
TGTGGCCGCCGGTGACCTCGTTCACGAACCTCGTAGACTTCGCCGTTCTCGGTGTCGAGCGGTTCAAGTT

189

GTTTCGGGGAACCCTCGTGTATAGTTTTCATCTGTTGCGTGATGCTCAGCAGACACGTAAACATGGTGG
 CTATAGCTCAGTTGGTAGAGCATCTGATTGTGGTTCAGAAGGTCGCGCGTTTCGAGCCGCGTTAGCCACCC
 CGGCCAAACCCGAGATTCCAACGGTTTCAAACCGAACGAATCCCGGGGTTTCTCGTTTCGGTAACGA
 TGAATAACGATGGCGTCCCGCCACCCTCCCCATTTGCCATGGCGTTACCGTGCGCGCAATGGTGCTT
 GCGCTCGGTTCCCGGGCGTAGACTACACAGCAGAACCACGACGTAACCACAATGAGCAGGAGTGCATATGC
 TGTCTTTCGAAAACGATTATTCTCCACCGCCGCCCGCAGATCGTCGCGCCGATGCAGGCCATGGCGAA
 CGAACAGAACTCCGGCTATGGCAAGGACCAAGTATTGCGATGCGGCCGCAAACAAGATTGCAAAGCCTGT
 GATGCCGCACAGGCCGACGTCTGGTTCCTCGTGGGAGGCACACAGACGAACCAGACCGTGCTCAGCGCCA
 TTACCCCGCAATACGCAGGCGTCTGATGCCCGGAGAGCGCGCACATCAACACGCACGAGGCCGGCGCCAT
 CGAGGCGACTGGACACAAAAGTGCTCGCACTCCCCCAGCACGACGGCAAGATACCCGGCGAACAGCTCGAC
 GAATACTGTGAGAGCTTCGAAAACGACCTCAACCATGAGCATATGGTCTACCCCGGCTGCGTGTATATCT
 CGCAGCCACCGAATATGGCACCGTGTACACGCGTGAGGAGCTCGCCTCGATCTCACAGGTCGCGCATGA
 CCACAATCTGCCTCTCTATGTGGACGGCGCGCGGTTGGGCATGGCGCTCACGGCGGACATGAACGACGTG
 CAGCTGCCCCGATCTCGCCCGTCTGGCGGACGTCTTCACCATTGGCGGCACCAAATGCGGCACGATGTTTCG
 GAGAGGCCGTGCTGTTCCCGCGCGGTAATTGCGCGAGGAACTTCACGACGATCGTCAAGCAGCACGGTGC
 ACTGCTGGCGAAGGGCTGGCTGTTGGGACTGCAGTTCGACACGCTGTTACCGACGACCTCTACTTCAAG
 CTCGCCAAGCATGCGAACGCCGAGGCGGACAAGATTCGCAAGGCACTCTTCGAGAAGCATTACGACATCG
 AATACATCTCGCAGACCAACCAGATCTTCATCGTGGTGACCACGCAGCGCGCGCAGGAACCTCACGAAGTC
 CGTCAAGCTCGGATTCATGGAGCAGGTGGATGCCGACCATGTGATGCTGCGCATCTGCACGAGCTGGGCT
 ACCACCGACGAGCAGGTGGACGAGCTCATCAAGCTGCTCTGATTCCCCTAACAGGCTGGGCCCTGCGGAT
 TTCATATCCCGAGGGGCCAGGCCATAACGATCAGCTACAGTTAGCGTGAGGAAACCGTGTGGTTCGGAGAT
 GATCTGGCGTTCCATCTCGACGAAACGCCTCACCAGCTCCTCCACCGAATACGTGTCCTTCGTATGACGC
 GCATAGGTGTGCCCCACGTGTTGAGCTCCCTGGGATGGTTCGATCCACCAAGTCTATGCGTTTCGGCCAACG
 CGTCCACATCGCCCACTGGGTATGAGGATTGCGGGCAGAGCGAGAAGTGGCCTGCCGCACTCAGTTTCGA
 ATCGGCAATCACCGGCACCAAGCCCCGAGGCCATGCCTTCGATGACGCTCACCGATTGAGGTCGGCGATC
 GAAGGATGCACGAGCAGGTCTGCCGACCGCAACAAGTGGGGCATCGTCGAGTTCTTGTTGAAGCCGATCG
 AGGCAGGACGCTTGAGCTTCTCTTGGCGAAACGCACGAGTTTGTTCGGATTGGCCCCGTGCCGGCAAT
 CGTCAGATGAATGTGTCGTCGATGCGCACAACGGCAGATCGCCTCGATGAGCTCGACATGGTTCTTCTCG
 TTCGAAAGGCGACCCGAAGCGATGATGCGCACGGGAATCTGCGGTGCGGCATCGCCCTTGCCTGCTCCT
 TCGGTATGAACCGCGGTGCGTAGCCGTTTCGAGATGACGAAGATCGGTTTGGCATAACCGTGGTCGAGCAG
 CAATTGCTTCCCCAGATTCTGTTGGGCACATGGATGGCGTCGACCTGGAATACAGCCAGCGCCTGAACAGC
 CAGTAGATGAACCGATCCATGCCGGGGATCCATCGGGCCGGCCCTGCCGAATACATGACGTTCTCCGGCT
 GCACATGGAAGCCAGCAGTGACCGGCAGGCCCTTGGCACGGGCCGCCGATGGCATGCCGGCCGAATTT
 GAACGGTGTGTAGATGTGCACGACGTCCACACCATCGAAGGCGCGGTGCAACAGTGTGGCGCTCGGCTGG
 GCGAAATGCATCTGCTGCTTGGCCGAAATCCAGCTACCAACGGAATGTGGTTCTCTTGGCCGGATATT
 CGGGGGCATTGATCCCCACCAATCGAACCTTGTGACCCTGCCGTTTCGAGTTCTGCGCCATTGGAGCGC
 TGAGTTTCGAGGTGCCGTTGCCGCGGTTGCCGAAAGTGCCACAACCAAGTGCGATCGTCAGTGCCCTATCG
 GTTGCGTTGTGCGACGCCGACTGCGGCGACGCTGCTTCGTTGTGTGCTTCCATAGTGCTCATCTAACCCG
 CTGGACTGTATATTTACGGTATTCGCGCATTGTCTTTTGCGAATCCACTCCCCCACGCCGCGAATGAC
 ACGACTGATGGCACAATGGAACCATGACTACAGATTCCATGATTCTCGGCACACCATTGGTGAACATCC
 CACCCGATTCTCATGCTCGGTTCCGGCGAACTCGGCAAGGAGGTGACGATTTCACTCATGCGGCTCGGC
 GCATGGGTGTGCGCCGCTGATTCTACAACGGCGCACCGGCCGACAGGTGCGCCACGAGGCACGGGTGC
 TCGACATGGCGAACGCCGATGCATTACGCAATGTGATAGGCGACGTCAAACCCGACATCGTCATTCTGA
 AATCGAGGCCATAGCCACCGACGTGCTGTTCAAGCGGAGCAGGCCGGCATCCGCGTGGTGCCGAGCGCT
 GCCATCGCCTCAATTTGCATGGATCGTGAGCGTCTTCGCCAGCTCGCCGCCGACGAGCTGGGACTGCCCA
 CCACGAAATTGCAATTCGCGGGAAGCCTGCAGGAACTCAAAGAGGCGGCCACTCGCATCGGCTTCCCCTG
 CGTGGTCAAGCCGGTCATGAGCTCCTCGGGCCACGGCCAGTCGGTGGTGCGATCCGCCGACAAGATCGAG

GACGCATGGAATGAGGCGCAAACCGGTGCGCGTGGGAGGGGCGATGTCTCCCGCGTGATCATCG
 AACAGCTCGTCGACCTTGATTACGAACTCACCATGCTCACCCTGAGCTCATCGGCAGGCATTGTGGTGTG
 CGAACCGATTGGCCAGCGGCAGGAAAGCGGCGATTACCGTGATTCTTGGCAGCCTGCGGCCGTGAGCCC
 GATCATCGGCAGGAGGTCAAACGCATTGCCACGCAGGCCGTGCAGGGTCTCATCGCCCATGCCGGCACCG
 ACACCGCATGGGGCGTGTTGCGCGTCGAATTGTTCTGCTCAAAGACGGCACCGTGCTCTTCAACGAGGT
 CTCCCCCGCCCGCACGATACGGGCATGGTCACCATGATCAGCCAGTATTTGAGCGAGTTGACCTGCAT
 GCGCGCGCCGTGCTCGGAATCCCGGTCTCAAGGCGCATATCGGACTCGACCTGCCGAAGTATTACGGCG
 CGGCGAGCCATGCGATCGTCGTCGAGGGCAACGGCGAAGTCGAATTCTCGAACCTCCAGACCGCACTCGC
 CACACCGGGCACCGATTTGCGCATCTTCTGAAGCCGCGGGTGAGGGCCATCGCCGCATGGGCGTGACG
 CTCGCCATCGGCTCCGACATCGACGAGGCGCGCATCAAGGCGAACGAGTGCGCGCAGAATCTGCGCATAG
 TGGTGAATCCGGCGAAGTAGTGTCGACGCCACCGCTCGCGAACCTCACGAAAACCGCGTGTCGAATACTG
 AAAACAGTGAGTAACTGGGCGTTTTTGGCGTGTTGGGTTGGTACGCTGAAAACGTCCACTCATTGTTGA
 CAACGGAAGGCAGCACATGCAGAAGCTGGACAAGCTCTACGAGGGCAAGGCCAAGAACTGTACGCAACC
 GATGACCCCGATGTTCTCTGGGTCGAATACATGAACCAGGCAACCGCCGGCAACGGCGCCAAGAAGGCAC
 AGATCGAAGGCAAGGGCGAACTCAACAACCAGATCACCTCCGTCTCTCGACCTGCTCAAGGCGCGCGG
 CATCGACTCCCACTTCGTCAAGCGCATCTCCGACACCGAGCAGCTCGTTTCGAAAATGGACATGTACCCG
 CTCGAGATCATCATGCGCAACACGGCGGCCGTTCTTTCGCCAAGAGGTACGGTGTCGAGGAAGGCACCG
 CGCTCGACAAGCCGATCCTCGAATTCTGCGTGAAATCCGACGAGCTCGGTGATCCGTTTCATCAACGACGA
 CGGCATCGTGGCACTCGGCATCGCCTCCGAAGAGGAGCTCGACGAGATCTCCCGCCAGGCACGTGCAGTC
 AACGATGCGTTGAAAGACATCTTCTCGAAGATCGACGTGCAGCTCGTCGATTTCAAGATCGAGGAGGGCA
 AGACCGGTGACGGGCGAATTCTGCTCGCCGACGAGATCACCCCGACACCTGCCGTTTGTGGGACCTGAA
 GGACGGCTCCGGCCAGATCGAGCATCTCGACAAGGATCTGTTCCGCCGCGATCTGGGCAACATCATCCCC
 GCCTACGAGGAGATCTACGACCGGCTGGTCAAGCTCGCCGAAGCCGAGGGCGTCGAGCGCGCCGAGTGAC
 ATTGGGGCCTGTTCCATGACTTGAGCCATGGAACAGGCCCTTTCTTGTTCCTATATTGTTTCAACGG
 TACAATCCAGATTATTGCTAAAGAACGAGGAAGCACAGTGGTTTTTCGCGTCCATGTAGAGAAGAAGCC
 CGGATTCGACGTGAGGCGCAGCAGCTGACGAACGAATTGCGCACGATTCTCGGCATTGAATCTTTGAAC
 AACGTCCGCATCATCAACCGGTATGACGTGAGGGAATCAGCGAGGAGCTGTTGGGCCAGACGATCCCCA
 CCGTATTACGCGAGCCGAGGTGGACAATGTGAGCATCGAACTGCCGGATGTCTCCGGTGACACGGTGTT
 TGCGGTGGAATCGCTGCCCAGGCAATTCGACCAGCGCGCGGATTCCGCAAGCGAATGCATCCAGCTCATC
 AGCCAGGGCGAACGACCGACCGTGCGCTCGGCCGCGTGATGTGCTCGATGGCCAGTTGGGCGACGACG
 ACCTCGCCGCGATCAAAAAGTACGTGATCAATCCGGTGAGACCCGCGAAGCCGGGCTGGAGACCCGAGA
 GACGCTCGCCACCTATGCCCCACCCCCAGCCGGTCAAGTGCTCGATGGCTTCCGCGAAATGGACGAT
 GCACAGCTTGCCGAGTTTCATCGCCGATCGGGGCTGGCAATGGACGAGGCCGATCTGAGGTTCTGACGCG
 AGTATTTCCAGGTGAGCAACGAGATCCCACCATCACCGAGATCAAGGTGATCGACACGTATTGGTCCGA
 CCACTGCCGCCACACCACTTTCGGCACCGAGCTCGACTCCGTTGAAATCGACGACGCCGTGGTGAAGGCC
 GCCTTCGACAAGTACATGGCGATGCGCCATGAGCTCGGCCGCGACGAGAAACCCGTGTGCCTCATGGACA
 TGGGCACGATCGGTGCGAAGTGGCTCAAGAAGAACGGCGTGCTACCCGGCCTCGACGAATCGGAGGAGAT
 CAATGCCTGCACCGTCAAGGTGAAGGTGATGTGAATGGCGAGAGCGAAGACTGGCTCTTCTGTTCAAG
 AACGAGACCCATAACCAACCCACCGAGATCGAGCCCTTGGTGCGCGGCAACCTGCATCGGCGGCTGCA
 TTCGCGACCCGCTTTCGGGACGCTCCTACGTGTATCAGGCGATGCGCGTGACCGGTGCCGCGGACCCCCG
 CGTGCCGATCAGCGAGACGCTGGAAGGCAAGCTGCCCCAGCGCAAGCTCGTACCACCGCGGCGCACGGC
 TACTCCTCGTACGGCAACCAGATCGGCTTGGCCACCGTCAAGTCAATGAGATCTACCACCCGGGCTATG
 TGGCCAAGCGTATGGAGATCGGCGCCGTTGTGGGCGCCACGCCGCAAGCCATGTACGTGCGGAGACCCC
 GGCCCCGGCGACAAGATCATTCTGCTTGGCGGCCGTACCGGCCGTGATGGCATTGGCGGCGCCACCGGT
 TCGTCCAAGGCACACAACGTTGAGTCGCTTGAATCGATGGAGCCGAGGTGCAGAAGGGCAACGCCCCAG
 TGGAGCGCAAGCTGCAGCGTCTGTTCCGCCGCGGTGATGCCTGCCGCTTGATCAAGCGATGCAACGATTT
 CGGCGCGGGTGCGGTGTCCGTTGCCGTCGGAGAGATAGCCGACGGCCTGCACGTTGACCTCAATCAGGTA

CCCAAGAAATACGACGGCCTCGACGGCACCAGCTTGCCATCTCCGAGTCGCAGGAGCGCATGGCGGTG
 ATGTGGCTGCGGAAGACGTCGACGAGTTCCTGAAGTATGCCGCCGAGGAGAACCTCGAAGCCGTGGTCAT
 TGCGACCGTGACCGAAGACCCTCGCATGGTGATGGAATGGAACGGCGAGCCGATCGTCGATCTCTCGCT
 GAGTTCCTCGCTTCGAACGGCGCCGCCAAGCATCAGGATGCCACGTGCCCCAGCAGGGCTCTACCGTG
 CCCCATTCTCGTCCGGCTCACTCAGTGAGCGTATGAACGAGATGCTCTCCGACATCAACATCGCCTCCAA
 CAAGGGCCTGTGGAACGCTTCGACTCCACGATCGGAGCCGCCACCGTGCTCATGCCGTTGCGCGGCAAG
 GAACAGCTGACGCCGGCGGAAGCCATGGTGGCCAAGTTCGCCGTGTTGCGCGAGACCACCACCGCCTCGG
 CCATGGCGTGGGGCTTCAACCCCTTCCTCATGGAACGCAACCAGTACACGGGCGCCTACATGTCGGTGGT
 CGAATCGCTTGCGAACTCGTGGCGGGGGCTTCGAACACGAAAAGGCATACCTCACCTTCAGGAGTAT
 TTCGAGAAGCTGCGCGACGAGCCAGAGCGCTGGGGCAAACCGCTTGCGGCCGTGCTCGGCGCCCTCATGG
 CGCAGGTGGACCTCGGGGTGCGCGCCATTGGAGGCAAGGATTCCATGTCCGGCTCCTTCGAAGACCTCGA
 TGTGCCTCCACCTCGTCTCCTTCGCCGTGGCGGTGCGCGACATGAACCGTGCCACGTGCGCGGAGTTC
 AAGCACCCCGGCGACCGTGTGGTCCGCATCGCGCCACGCTATCTGGCGGACGGTATCACACCGGACAAGG
 ACGCACTGCTCGAGGTGTTCTCCACCATCGAGAACCTGGTGACCGACGGCGATGCGCTGGCCATCTCCAC
 CCGGCTTACGGCGGCACCGCAGAAGCGTTGTTCAAGATGTGCGTGGGCAACCGCATCGGCGTGGCGCTC
 GACGACTCCATCGCGTCGACGATCTGTTGACCGGGCGTATGGCTCGTTCATCGTCGAGCTCGCGCCAT
 CCGCGAACATGCCGACAGTCTCCAATCTGGTCGAGATCGGGCCGATCGGCGAGACCACCGCGGACTACGT
 GTTCCACGCAGCCGGCGAGACGCTCGACCTCGCGAATCTGCAGGAGGTGTGGGAGAACGGCATTGCATCG
 GTGTTCCCTACCGCAGCGGTGAAACCGATGCCGAAGCCGAGGCGGTGACGCGATCTCGTTCGAGACGA
 TGGAACCGACCGTGTACAAGGGTGCGAAAATCGCCAAGCCGCGCGTGATCATCCCGGTGTTCCCGGCAA
 CAACTGCGAATACGACACCGCGGCAGCGTTCGAACGCGCCGGGGCCGAGGCGCAGACGCTCATTGTAAAC
 AATCTGACGCCCTCAGCTGTGCGCCGAGTCCACGCAGGCGCTCGTCGACGCCATCCATAACAGCCAGATCA
 TCATGATCCCCGGCGGTTTCTCAGGCGGCGACGAACCGGATGGCTCCGCGAAGTTCATCACGGCGTTCCT
 CCGTGACCCGGCGGTACCGAGGCGGTGCGCGACCTGCTCAACAACCGTGACGGTCTCATGCTCGGCATC
 TGCAACGGGTTCCAGGCGCTCATCAAGCTCGGTCTCGTGCCTTCGGCGACATTGTGCCTATGACCGCGG
 AGTGCCCGACGCTTACGTTCAACACCATCGGACGCCACCAGAGCCGTCTGTACGCACACGCGTCGCGTC
 GAACCTGTGCGCGTGGCTTGCCAAGACGGAGGTGGGCGATATGCACACCATCGCCATCTCCCATGGCGAG
 GGACGTTTCTGCTGCTTCCGACGGCATGCTCGACCAGCTCATCGAAACGGGCAGGTTGCCACACAGTACG
 TTGACGAACATGGCGTGCCGAGCATGGACCTGAGTGTGAACCCGAACGGCTCCATGCTCGCCATCGAGGG
 CATCACCAGCCCGATGGCCGCGTGTTCGGCAAGATGGGCCACTCCGAGCGCACCGGCGACGGCCTGTAC
 CGCAATGTGCCCCGGAACATCTACCAGCCGATCTTCGAAGCCGCGTCGAGTACTTCGGCTGAGACGGTT
 ATAGACGCTGATCGACCATAGCGAAGGGCGGTGTATGCCATATATGGCATAACCCGCCCTTCTGTTTCATC
 AACGCATTGACTTCTTTCTTCGATTATTAGGCGGGTCGGAACCATCTTTGATTGTTAGGCGGTTAT
 CCTCGGCACTTATTCTTCTTAACGCCATTTTATTAGACATAACATATTATTCTGTGCTATTTTTGCTTG
 AGTTCGGGCGCCTCTACTCGTAGCACCCACCTAACAATCGAAGATGGTTTTCCGACCCGCCCAACAAT
 CGCCGATAGGTCTCCTAGAGGCCGAGAATCTGCCGCTTTTTCACATTGAATTCTCTGCGTAAGGATTC
 CCGCATCGAGAAGCTCCTTGAGCGACTTAAGCGCTCCATCTGCTCCGTCACCGACATGGCGGATTGCGT
 TCCCTGTGACGCCGAGGTTGTGCGGCAGCTTGCGCGACGGTGCCCTGCGCATCCGCTGCCACTGCGGCT
 GCCGCGGCCGATTCTGCTGAGTAGGCACAGACTGCCCCGGCATCGCGCCGGTATCGGATTGACTCCCT
 GCGCGAAACCAAGCCGAGCATCATGCCACCATGTGCGCGAACCCGTTCTGCTGCACGCCCTCGGCGAT
 CTTCTGCTGCGCGCGATGTTCAAGCCTGCTGCGAGATGTTCTCGTATGCCGAAAGATTCATGCGGTTT
 GACGAGTATTGCTTGACAAGCTCACGCGATTCTGCGGTGAATTCGATGCTCTCGATGCCTATGCCACCA
 AGTGACAGCCGAAACGCGACTCCCATGTGCCGGCATTGACGAATCCCTGAGATCGCGAGCGCAATGGA
 ATTGCGCTGGCTGGGCGAGCGCGGAGATGCGGTATTGTTGACAGCGAGTTGAGCGCCACCGAGAACGAC
 TGATGAATTCGGAGAGGATCTGCGATTTCTGTTGCGGTGCTCGAAGCTGATGTAGTCCACGTTGCGAG
 GCACGAACTGGCGAATGAATGCGAGCGGGTTGACCACCTGCACCGACATCATGCCACGCGCACGAATCTC
 CAGATCGGTCTGGTAGAACCTGTCGTGGTACATGAGCGGTGCCGCGTGCCAAATTTGATGCCGCGGATC

TCACGCAGATTCACGAAGGCGATGCGTTTGTTCGCCACCGGCTCGCCGCCGTATTTGAACCGCTCGCCTA
 TCTGCTCGAAGATCGACTTGCCATGCGGTTGCTGCGAACACGCTATCGGTGCCGCCGGTGCGGTATTC
 GTAACCGCTGACTCGGTGATGATGTTCTCGATGCCGACTGGTCGAAGATGAATGCGGCCGTGTTCTCC
 GGCACGTAGATGCGTGAACCGTTGGAGATCACCGCCTCCGAATGCTTCGTATTGGAGCCGCGGTACGGT
 TGGTCTCTGGTAGATGCCGGGCATGAGCACAGCATGCTCGTCGAATTGCCAACGGTGATGATGTCGAG
 CCATTGATCGGCGAAGGTGCCGCTCAATGCTCCGGCGAATGCTCTGATCAATGCCATTGCTGCCTCTTT
 CACAGAGTTCGTGGTGGTTCAGAGTTGCTCTGACCTACCGCAGTATTCACAGGTGACGCTGGTACCTTGG
 CGCCCGTGCAGCGGGGCACCGCAACCTGCGCAGGCGCGCGAGACCATTTTCGATTCCGGCGCTCTTGGGAT
 TTGCCGTGTTTCTCAGGCCGAAGGCTTCGGTGACCTCCTTGCCCGCGTCGCTCAGCATGCTGGCGATTCC
 CGAGATGAAGGTTTTCGGTGCGCCGACAATGTCTTCATCGTTCCCGTGATCAGCTTGTGATGCCGTTT
 GCCAACGTCACCAGATCCGCATGCGAGTCCATGCGCAGTTCAGCTTCCCTTACGGAGCAGAATGTCGC
 ATTGGTGGGCGTCACCCTTGTCGATAATGAGCTGGGGCCTGCCGTCCACCACTTTGATGTCATGCAATGC
 CCACAAGAAGGTGTGCTCAATGTCTTGCCAAACACCTTGACCTGGGTGTAGGAGAAGATGAGACTCATG
 GTGGTGAAGGTGAGTTCCTCAGATTGCGATCCTTTGAAATCAGGACTCTCACAGCGTACACTGTCGAATT
 GCGCAACAATCCCCTCATTTGGCAGCAGATTGACGCTACGCATACAGCTCCTCCCTACTTCTCGCGGAAC
 ATGCTCGGCCTGTCTCGATTCCACTCGTCAGAACTGTCTACCCGTCACATGTTGGGGATGGCTGCTTT
 GTTGTGGCGTTTGATTGCGATCATCCAGATGGATCCGGCGATGACTGCAATGGCGGCCACATAGAACAGG
 TAGACGCCGAAACCGAAGCCATATGAACCGTATGGTGTGAAGCTCAGGTTGAAGTAGACGTATGCGAGTA
 TGCGGAGAACGACAAAGACAAGCGTCGGAATGCCTTCGCGGCAAGGGCGAAGATGAGTGCCAGCACGGT
 GAAGATTGCAATGGCAATGATCATCACGAGAATGATTCGGAAACACCCACGCTCATGTTCCGCGACCGAC
 TGCATTTCTTCCATCGTTCCGGCGATGGTGAACGCCGTCATGGTGTGCTGACGTTGGCGTACGGCA
 GTACGAGTGAGACGAGCATGGCAAGCGATCCAATGATCGTGAGGGCGCGTGGGCCTGCCAATGATTCTT
 GTTCATATTACTCTCAATAGTTGTTCCAGATTGATGATTGATCGGTTATTGTTGTTTTGGCATTTCGAG
 GGGCAGCGCTGATGCTGTTTGCGCCATCGTCTCGGATATCGCAAGAGTGGTAGAATACCTGATCTGCACC
 ACTATGGTCGCGCATAACAGCAGCACCGATGCCAGGCAGGAGATGGCGAAAGCGATCAGCACCAGATTTC
 TCCCGGAGACCTTACCGTTGCGGCCGGTAACCGCGAACGCGATGCCGCATACGACAAACAGCGAGACGAT
 GAGCGTGACGCACACCTGCCAGTCCGGACGCAGGTGCTGAACATCGCCAACGCTCCCAGCAGCGCACCA
 CATGCGAAGACGACGGCACCAATCGCCCACTTTGATCTCGGACCATCATTGTCTGCGACAATGGCTTGCC
 GGAATCTGCGTTTGGCGATGACGTGATGGGGTACAACGGTGCTCTGCGCAACAATCTGTTCCGGCCAATTC
 TCGGTACAGCCGACTGTAGGCTGCGCTTCCGCCCCCGTCCCCGCCGAGCTTCGATGATCACCGCACTG
 TGCATGCCATCAGCGATGACCCGGGCCTCGTACTCGCCGTTGTCAATTGGCAGCCGGAATCGCACGGAAT
 GCGTGACGTGATGTTGGCGACGACGTCAAACCCCGCACTGAAGTGCAATGTCTGGACGAGCGCGGCGTA
 CACTTCAGCGACCGGGGCGCGGAATGTCTGCCGCGCCACAGGCACACGGTTCACGGCGGGAGTCGAGGCG
 CTATATCGTCTTCCGAGGATGCGATGAAATCAGCTGACCGAGGCAAGACGCTGGTTGACACGGTTGGTT
 ACTTCGATGAAGTAGTTCATGTCTGCGTCGGTCCATGCTGACTGATCCAGATTGCTCAATTTCTGTGTGT
 AATCGGTGTAAGTCTGAGCATCTCAAGATAATCAGTAAGCATGCCTGCAGGACGGCCTTCTTGGCGTA
 TTTCTCCATGAAATCACAATACTTATTCATGAAGGTCTCATAACCATCCAAGGCCTCCTTACGTCGGGA
 GTCACACCATTTGGCAGCATTACTCTGCGTGTTCTGCTTCTCGGCGGCCTCCTTTGAGTTTCTTCTCT
 CCTCGGCCAGCGCTTCTGTTCTCTTCCGCTTCTTTGCTCCTCTGCTGCGGCTTTTCTGCTTCGGC
 TTTATTTTTTGCCTCTTCTCAGCTTCTTCTTTGCTTCCGCTTCTCCTCCTGCTTTTCTTTTCACTC
 AAATCATTCTGATATCGTTGAGCTGATTTGACTGTTACATCCAGCTCGGTGAGCGAGCTAAAGAACGTCA
 GATCAATGAAATTGCCTTCGCTGTCCTTTGCACTGTAGTCACCAGATGTGCTCTTATAATCTTCAACGAA
 GCCGCTGTCCTTACCTTGTGAGATAGTCCGTATATGCGGCATCATCTACATCACACAGCTTGATATTC
 ACATAATCGGCATCGTGGTCCACACGTACCCCTTACAGCTGTTTGGTTTCGGAGCCTTCGCCCAACAC
 CAGCGCTAGGCCAACTAATGGGCTTACAGAATGGATCATCGTCGGAAGACGAAGGGGAACCTGACGACGA
 TGCTTCCTTCATACTGCCATGCGACTTGGAACCGCCAGCCGACCGACTAGCGAGAGAGTCAGCGCTACC
 ACGGTGACACCTGCGGCAACGACGGTGAGCATGCGACCATGTTCCCTACCCGTTGTGTCTTCGTATAGG

CCAGCGCACACAGCACC GCGGCGACCACCGCGAAGATAATGCCACCACGACGGGAGGGTGCATGCCGAG
 AGACACGAATCCGAAAATGAGGAACACTGCGGACACAAGTCCGCGGCAATCGCCATCACAGAAGTTTTG
 CCCGTATTGGTGTGCGTCAGCATCGCGACGAACCTATTCTTCGTTCCCTGCGCCGGATTTCGCCGTTGC
 CGGCAGCGGCCGGAACGGGCGCCTGGAACGTCTGCGTCGGCTGATTCTGGGCGTCAATACGGGGGTCTG
 CTGCGGCGCAGACTGAACCGCACCTTGACCATCAGCTGATCACCGAGGTCCTGTAGAATTCGCCACC
 GACTCCTGTGCTTTATCGCCTCCATCGATCGGTGCCGTACCGTCACCTTGCTTGAACCCGCGGCATCCC
 CTTCTGCGACCTTCGCAGTGAATAATCCGTTGATTCCCGGCACACTGAACGTGACAGTGCGCTCATCTGC
 ATTCGGCTCACGACGTCCAGCACTGCGCTGAATTGAAGCATCTGTTCCATGGCGGCGTAGGTGCTCTCC
 ACCGACGCCATATAGATTGGTCTGCCATGATTCCCTTCCGTTGTTCTGATTGGTGATGTGCGGCGGTGA
 GGGTAGTTCGCTCCCTACCGCCTGCTATTTGATTGTCATCTACGCGAATGCCACGCTGCGCTATCTTT
 CCGTTTTGCGGTCCGTCGATTGCCCTGAATTCGTCTGCTGGCTTCCGTGCGCTGAGATGTCCTTCTCCAG
 CTCACGGGCCACTTCGTCAAATTCGCGTATACCTCGCAGAATCATGCTGGCTATCTGGGCAAACATGGCT
 GCATTCCTTTCTGACGAGGTGGTTCGAACGGCCGGTTGGACCGCAAGCCAGCGGGCTTGCAATTCCTCG
 TCATCAAGGGGCATGTTTTTTTCGCGAATCCTTCTCCATCTGCATGAATGCCCCGAAATTTCAACGATTC
 CGACGAGTTGCTTCATCTGGAATCCATTTAATTCGCAACTCAATATGGTGTAATGACGTATAATGTTAT
 AAATTAGACGTTGAGTTGAAAGAAAACATGTCATGTATGGTATATCTCAATCTAATATGGAGATATGGCG
 GAGCCGTTTGCAGGAACCTATGGATGCCACGAAGTCAAGCCGCATTCTGTGAGCGAGCTGAACAAG
 CAATATCTCTACGGTTCATCAAAAAGACGTAAGCAGATGGCTCAATTCGGGCAATAAAACCTCCACCG
 GCACAATCGGATTCGCGAAATACGAAACGATGGCGATGATCGCCGACTTCTTCGGGGTGCATGTGCGCTA
 TCTACCGGCGAGACGGATGAGACGAGTTTCGATCTGGAACATGCCAGTGAATACTTGGAATGAGCGGA
 GAGTCGGTGC GCGGCGCTCCGGGGATGGATCATCGGAGAGGATGCGGATTTCGCAAATGCGCAACTATCGAT
 CCGAGACACTCAATGCGCTGTTGAATCACCCAAATTCGCGAGCGTGCCTTCGAAACTGTTGACGCTGCA
 TGAGATGTGCACTCTGGAAGAGCAACCCGGAACGGTTCAACACGTTGATGGAATCGCTGGCCTCCGAC
 AGTGATTTGCCTGACGACCTCACATTCAGCTCATCATCGGCGCATTCTACGGAATGGCGAGCGAGTCCT
 TCTCGACACTGCTCAAAGACGCCTACCCACCCCCACGGAGCAGGCAACTGCATAATCTGCGAATAAACC
 AGAACCCCTGCCACCATTGTTATGTCACATGACTGTCGCCGCGTTATTGACTCATACGATAGACTTCCTG
 CCATTACGCAACGCAAGCGTTCACTGCCCCACAGATTAAAATACAAGGAGAAAGGCAGATGCACCCATCT
 ACACCGGAGAAACCATCGACAACACGCCCAATGCGTCGAGCCGACCGTGAAGTTCGCTCGTTTCGAGGAGA
 TAATTGACATCCTGCGCAACTGCACTGAAGTGCGTGTGGCCTATCAAGATGCGCAGGGACTCACCATCGT
 ACCGGTCAATTCGCTTCGTCTACAACAACGATGATTCTCCATAACCTGCGTCTGCTCATGCATTGCG
 GCGACGCAGGGGCGCAAGATCGAGGCGATTACGCATCCGGCAACGCATTGCCGGTGCATTGAGATGG
 ACTGCGACTCGTTGATCTATACCGGTCGCACACCATGCGCCACCTCGACGGCATACCGTTGATCATCGG
 CACCGGAGTAGCGAGCCTGCTCAACGACGAGCAGGAGAAGATCGACGCGCTGAAACTGCTGATGAAGCAA
 CGCACGGACATGCACAACGTAGAGCTGCTGCCGCGTCAGGTGAGCAAGGTCGCGGTCTGGCAGATTATCT
 CGACCGAGTTACCGCCAAGGCGCACCCGTTGCCATCTGACATGCGATAGGACTAATCGCACACGCTCAT
 TCACCCACAACAGCACAAGGCCGCTCTGAGGTTGGCTAATCAACCAATGATTAGCCAACCTCAGAGCGGC
 CTTTATAAACAGCATCCCCTAGGAATCTAGCAGCTCAGCAGATTCCCCCAAAGATCCAACAGCACGCCCC
 TGCAATCTCACGAACCCCTTGGGGTTTGAATGTGAAATTAAGCTTCGCCTCTGGATTACACCCATGAC
 GATGGAGGCATAGAACGACTTCGCTGCTCTTCGAGCAGATCCCTGTTGCAATCGACATATTCCTGCTTC
 GTCTTCTCAGTGAGGATGTTATTGATCATGTGCGAGGGAATCTATTTGTTGGGTACCGAAGCTTAGCGCGC
 CATTCTGCTCGACGATCATTCGGTATTCGGGATGGTCGTAGCCGATGAATTTGAATTCAGGAATTCGAC
 ATCGAACGTGTTCTTGCCCGTTTCTTAATGGAACGTCCTTTCTTCGAATCCAAGCTTCGCGTCGAAC
 GTATATTGAATGAACGCGCCCGCTCCGTACCGGGAATCTCCATATTGAAGAAATGGCTTTTGTCTCCT
 GCGATATGATGCCCGTAATACCGAGCCGCAACAGTGCCACCTCTTTCGTCCGCTCCATGGAGCGAATTAC
 CTGGGTATCAGAGGTACCCACCTTCTCCTTCAGGAACGCTGGCATCGTTCGCGGGAACAGCGAGTAGAAC
 CCCAACATGAGGAGACATCCGACCACCATGCAGGACAACGCGGCAATAACAACACCGGCAATCTCCATT
 TCTTCGAAATCGCCGGAATCGACCTCCCGGCATCATTGTTTCATCCACCTCGCCGACAGCCTTCTCTT

DEMANDE OU BREVET VOLUMINEUX

LA PRÉSENTE PARTIE DE CETTE DEMANDE OU CE BREVET COMPREND PLUS D'UN TOME.

CECI EST LE TOME 1 DE 4
CONTENANT LES PAGES 1 À 194

NOTE : Pour les tomes additionels, veuillez contacter le Bureau canadien des brevets

JUMBO APPLICATIONS/PATENTS

THIS SECTION OF THE APPLICATION/PATENT CONTAINS MORE THAN ONE VOLUME

THIS IS VOLUME 1 OF 4
CONTAINING PAGES 1 TO 194

NOTE: For additional volumes, please contact the Canadian Patent Office

NOM DU FICHIER / FILE NAME :

NOTE POUR LE TOME / VOLUME NOTE:

What is claimed is:

1. A method of treating cancer in a subject comprising administering to the subject a bacterial composition comprising *Bifidobacterium animalis ssp. lactis*.
2. The method of claim 1, wherein the *Bifidobacterium animalis ssp. lactis* is a strain comprising at least 99% sequence identity to the nucleotide sequence of the *Bifidobacterium animalis ssp. lactis* Strain A (ATCC Deposit Number PTA-125097).
3. The method of claim 1, wherein the *Bifidobacterium animalis ssp. lactis* is a strain comprising at least 99.9% sequence identity to the nucleotide sequence of the *Bifidobacterium animalis ssp. lactis* Strain A (ATCC Deposit Number PTA-125097).
4. The method of claim 1, wherein the *Bifidobacterium animalis ssp. lactis* is the *Bifidobacterium animalis ssp. lactis* Strain A (ATCC Deposit Number PTA-125097).
5. The method of any one of claims 1 to 4, wherein the cancer is selected from the group consisting of hematological malignancy, acute nonlymphocytic leukemia, chronic lymphocytic leukemia, acute granulocytic leukemia, chronic granulocytic leukemia, acute promyelocytic leukemia, adult T-cell leukemia, aleukemic leukemia, a leukocythemic leukemia, basophilic leukemia, blast cell leukemia, bovine leukemia, chronic myelocytic leukemia, leukemia cutis, embryonal leukemia, eosinophilic leukemia, Gross' leukemia, Rieder cell leukemia, Schilling's leukemia, stem cell leukemia, subleukemic leukemia, undifferentiated cell leukemia, hairy-cell leukemia, hemoblastic leukemia, hemocytoblastic leukemia, histiocytic leukemia, stem cell leukemia, acute monocytic leukemia, leukopenic leukemia, lymphatic leukemia, lymphoblastic leukemia, lymphocytic leukemia, lymphogenous leukemia, lymphoid leukemia, lymphosarcoma cell leukemia, mast cell leukemia, megakaryocytic leukemia, micromyeloblastic leukemia, monocytic leukemia, myeloblastic leukemia, myelocytic leukemia, myeloid granulocytic leukemia, myelomonocytic leukemia, Naegeli leukemia, plasma cell leukemia, plasmacytic leukemia, promyelocytic leukemia, acinar carcinoma, acinous carcinoma, adenocystic carcinoma, adenoid cystic carcinoma, carcinoma adenomatosum, carcinoma of adrenal cortex, alveolar carcinoma, alveolar cell carcinoma, basal cell carcinoma, carcinoma basocellulare, basaloid carcinoma, basosquamous cell carcinoma, bronchioalveolar carcinoma, bronchiolar carcinoma, bronchogenic carcinoma, cerebriform carcinoma, cholangiocellular carcinoma,

chorionic carcinoma, colloid carcinoma, comedo carcinoma, corpus carcinoma, cribriform carcinoma, carcinoma en cuirasse, carcinoma cutaneum, cylindrical carcinoma, cylindrical cell carcinoma, duct carcinoma, carcinoma durum, embryonal carcinoma, encephaloid carcinoma, epienmoid carcinoma, carcinoma epitheliale adenoides, exophytic carcinoma, carcinoma ex ulcere, carcinoma fibrosum, gelatiniform carcinoma, gelatinous carcinoma, giant cell carcinoma, signet-ring cell carcinoma, carcinoma simplex, small-cell carcinoma, solanoid carcinoma, spheroidal cell carcinoma, spindle cell carcinoma, carcinoma spongiosum, squamous carcinoma, squamous cell carcinoma, string carcinoma, carcinoma telangiectaticum, carcinoma telangiectodes, transitional cell carcinoma, carcinoma tuberosum, tuberous carcinoma, verrucous carcinoma, carcinoma villosum, carcinoma gigantocellulare, glandular carcinoma, granulosa cell carcinoma, hair-matrix carcinoma, hematoid carcinoma, hepatocellular carcinoma, Hurthle cell carcinoma, hyaline carcinoma, hypernephroid carcinoma, infantile embryonal carcinoma, carcinoma in situ, intraepidermal carcinoma, intraepithelial carcinoma, Krompecher's carcinoma, Kulchitzky-cell carcinoma, large-cell carcinoma, lenticular carcinoma, carcinoma lenticulare, lipomatous carcinoma, lymphoepithelial carcinoma, carcinoma medullare, medullary carcinoma, melanotic carcinoma, carcinoma molle, mucinous carcinoma, carcinoma muciparum, carcinoma mucocellulare, mucoepidermoid carcinoma, carcinoma mucosum, mucous carcinoma, carcinoma myxomatodes, nasopharyngeal carcinoma, oat cell carcinoma, carcinoma ossificans, osteoid carcinoma, papillary carcinoma, periportal carcinoma, preinvasive carcinoma, prickle cell carcinoma, pultaceous carcinoma, renal cell carcinoma of kidney, reserve cell carcinoma, carcinoma sarcomatodes, schneiderian carcinoma, scirrhus carcinoma, carcinoma scroti, chondrosarcoma, fibrosarcoma, lymphosarcoma, melanosarcoma, myxosarcoma, osteosarcoma, endometrial sarcoma, stromal sarcoma, Ewing's sarcoma, fascial sarcoma, fibroblastic sarcoma, giant cell sarcoma, Abemethy's sarcoma, adipose sarcoma, liposarcoma, alveolar soft part sarcoma, ameloblastic sarcoma, botryoid sarcoma, chloroma sarcoma, chorio carcinoma, embryonal sarcoma, Wilms' tumor sarcoma, granulocytic sarcoma, Hodgkin's sarcoma, idiopathic multiple pigmented hemorrhagic sarcoma, immunoblastic sarcoma of B cells, lymphoma, immunoblastic sarcoma of T-cells, Jensen's sarcoma, Kaposi's sarcoma, Kupffer cell sarcoma, angiosarcoma, leukosarcoma, malignant mesenchymoma sarcoma, parosteal sarcoma, reticulocytic sarcoma, Rous sarcoma, serocystic sarcoma, synovial sarcoma, telangiectaltic sarcoma, Hodgkin's Disease, Non-Hodgkin's Lymphoma, multiple myeloma, neuroblastoma,

bladder cancer, breast cancer, ovarian cancer, lung cancer, rhabdomyosarcoma, primary thrombocytosis, primary macroglobulinemia, small-cell lung tumors, primary brain tumors, stomach cancer, colon cancer, malignant pancreatic insulanoma, malignant carcinoid, premalignant skin lesions, testicular cancer, lymphomas, thyroid cancer, neuroblastoma, esophageal cancer, genitourinary tract cancer, malignant hypercalcemia, cervical cancer, endometrial cancer, adrenal cortical cancer, Harding-Passey melanoma, juvenile melanoma, lentigo maligna melanoma, malignant melanoma, acral-lentiginous melanoma, amelanotic melanoma, benign juvenile melanoma, Cloudman's melanoma, S91 melanoma, nodular melanoma subungal melanoma, and superficial spreading melanoma.

6. The method of any one of claims 1 to 4, wherein the cancer is prostate cancer, lung cancer, colon cancer, colorectal cancer, melanoma, breast cancer, pancreatic cancer, hepatocellular carcinoma, or lymphoma.

7. The method of any preceding claim, wherein the bacterial composition is administered orally, rectally, intravenously, intratumorally, or subcutaneously.

8. The method of any one of claims 1 to 7, wherein at least 50% of the bacteria in the bacterial composition are *Bifidobacterium animalis ssp. lactis*.

9. The method of any one of claims 1 to 7, wherein at least 90% of the bacteria in the bacterial composition are *Bifidobacterium animalis ssp. lactis*.

10. The method of any one of claims 1 to 7, wherein substantially all of the bacteria in the bacterial composition are *Bifidobacterium animalis ssp. lactis*.

11. The method of any one of claims 1 to 10, wherein the bacterial composition comprises at least 1×10^6 colony forming units (CFUs) of *Bifidobacterium animalis ssp. lactis*.

12. The method of claim 11, wherein the bacterial composition comprises at least 1×10^7 CFUs of *Bifidobacterium animalis ssp. lactis*.

13. The method of claim 1, wherein the bacterial composition comprises at least 1×10^8 CFUs of *Bifidobacterium animalis ssp. lactis*.

14. The method of any one of claims 1 to 13, wherein the bacterial composition is administered in two or more doses.

15. The method of claim 14, wherein the administration to the subject of the two or more doses are separated by at least 1 day.
16. The method of claim 15, wherein the administration of the two or more doses are separated by at least 1 week.
17. The method of any one of claims 1 to 16, wherein the bacterial composition comprises live bacteria.
18. The method of any one of claims 1 to 16, wherein the bacterial composition comprises attenuated bacteria.
19. The method of any one of claims 1 to 19, wherein the bacterial composition comprises killed bacteria.
20. The method of any one of claims 1 to 19, wherein administration of the bacterial composition treats the cancer.
21. The method of any one of claims 1 to 20, wherein administration of the bacterial composition induces an anti-cancer immune response.
22. The method of any one of claims 1 to 21, wherein the method further comprises administering to the subject a second cancer therapy.
23. The method of claim 22, wherein the second cancer therapy comprises the administration of a chemotherapy agent to the subject.
24. The method of claim 23, wherein the chemotherapy agent is selected from the group consisting of thiotepa, cyclophosphamide, busulfan, improsulfan, piposulfan, benzodopa, carboquone, meturedopa, uredopa, altretamine, triethylenemelamine, trietylenephosphoramidate, triethylenethiophosphoramidate, trimethylolomelamine, bullatacin, bullatacinone, camptothecin, topotecan, bryostatin, callystatin, CC-1065, cryptophycin 1, cryptophycin 8, dolastatin, duocarmycin, eleutherobin, pancratistatin, sarcodictyin, spongistatin, chlorambucil, chlornaphazine, cholophosphamide, estramustine, ifosfamide, mechlorethamine, mechlorethamine oxide hydrochloride, melphalan, novembichin, phenesterine, prednimustine, trofosfamide, uracil mustard, carmustine, chlorozotocin, fotemustine, lomustine, nimustine, ranimustine, calicheamicin, dynemicin, clodronate, esperamicin; neocarzinostatin chromophore,

aclacinomysins, actinomycin, authrarnycin, azaserine, bleomycins, cactinomycin, carabycin, caminomycin, carzinophilin, chromomycinis, dactinomycin, daunorubicin, detorubicin, 6-diazo-5-oxo-L-norleucine, doxorubicin, epirubicin, esorubicin, idarubicin, marcellomycin, mitomycin, mitomycin C, mycophenolic acid, nogalamycin, olivomycin, peplomycin, potfiromycin, puromycin, quelamycin, rodorubicin, streptonigrin, streptozocin, tubercidin, ubenimex, zinostatin, zorubicin, methotrexate, 5-fluorouracil (5-FU), denopterin, methotrexate, pteropterin, trimetrexate, fludarabine, 6-mercaptopurine, thiamiprine, thioguanine, ancitabine, azacitidine, 6-azauridine, carmofur, cytarabine, dideoxyuridine, doxifluridine, enocitabine, floxuridine, calusterone, dromostanolone propionate, epitiostanol, mepitiostane, testolactone, aminogluthethimide, mitotane, trilostane, frolinic acid, aceglatone, aldophosphamide glycoside, aminolevulinic acid, eniluracil, amsacrine, bestabucil, bisantrene, edatraxate, defofamine, demecolcine, diaziquone, elformithine, elliptinium acetate, epothilone, etoglucid, gallium nitrate, hydroxyurea, lentinan, lonidainine, maytansine, ansamitocins, mitoguazone, mitoxantrone, mopidanmol, nitraerine, pentostatin, phenamet, pirarubicin, losoxantrone, podophyllinic acid, 2-ethylhydrazide, procarbazine, PSK polysaccharide complex, razoxane, rhizoxin, sizofuran, spirogermanium, tenuazonic acid, triaziquone; 2,2',2''-trichlorotriethylamine, trichothecene, T-2 toxin, verracurin A, roridin A, anguidine, urethane, vindesine, dacarbazine, mannomustine, mitobronitol, mitolactol, pipobroman, gacytosine, arabinoside, cyclophosphamide, thiotepa, paclitaxel, doxetaxel, chlorambucil, gemcitabine, 6-thioguanine, mercaptopurine, methotrexate, cisplatin, oxaliplatin, carboplatin, vinblastine, platinum, etoposide, ifosfamide, mitoxantrone, vincristine, vinorelbine, novantrone, teniposide, edatrexate, daunomycin, aminopterin, xeloda, ibandronate, irinotecan, RFS 2000, difluoromethylomithine, retinoic acid and capecitabine.

25. The method of any one of claims 22 to 24, wherein the second cancer therapy comprises cancer immunotherapy.

26. The method of claim 25, wherein the cancer immunotherapy comprises administering an immune checkpoint inhibitor to the subject.

27. The method of claim 26, wherein the cancer immunotherapy comprises administering an additional immune checkpoint inhibitor to the subject.

28. The method of claim 26 or claim 27, wherein the immune checkpoint inhibitor is an antibody or antigen-binding fragment thereof that specifically binds to an immune checkpoint protein.
29. The method of claim 28, wherein the immune checkpoint inhibitor is an siRNA molecule, an shRNA molecule or an antisense RNA molecule that inhibits expression of an immune checkpoint protein.
30. The method of claim 28 or 29, wherein the immune checkpoint protein is CTLA4, PD-1, PD-L1, PD-L2, A2AR, B7-H3, B7-H4, BTLA, KIR, LAG3, TIM-3 or VISTA.
31. The method of claim 26 or claim 27, wherein the immune checkpoint inhibitor is atezolizumab, avelumab, durvalumab, ipilimumab, nivolumab, pembrolizumab, pidilizumab, AMP-224, AMP-514, BGB-A317, STI-A1110, TSR-042, RG-7446, BMS-936559, MEDI-4736, MSB-0020718C, AUR-012 or STI-A1010.
32. The method of any one of claims 25 to 31, wherein the cancer immunotherapy comprises administration of a cancer-specific antibody or antigen-binding fragment thereof to the subject.
33. The method of claim 32, wherein the cancer-specific antibody or antigen-binding fragment thereof binds specifically to a cancer-associated antigen.
34. The method of claim 33, wherein the cancer-associated antigen is selected from the group consisting of adipophilin, AIM-2, ALDH1A1, alpha-actinin-4, alpha-fetoprotein ("AFP"), ARTC1, B-RAF, BAGE-1, BCLX (L), BCR-ABL fusion protein b3a2, beta-catenin, BING-4, CA-125, CALCA, carcinoembryonic antigen ("CEA"), CASP-5, CASP-8, CD274, CD45, Cdc27, CDK12, CDK4, CDKN2A, CEA, CLPP, COA-1, CPSF, CSNK1A1, CTAG1, CTAG2, cyclin D1, Cyclin-A1, dek-can fusion protein, DKK1, EFTUD2, Elongation factor 2, ENAH (hMena), Ep-CAM, EpCAM, EphA3, epithelial tumor antigen ("ETA"), ETV6-AML1 fusion protein, EZH2, FGF5, FLT3-ITD, FN1, G250/MN/CAIX, GAGE-1,2,8, GAGE-3,4,5,6,7, GAS7, glypican-3, GnTV, gp100/Pmel17, GPNMB, HAUS3, Hepsin, HER-2/neu, HERV-K-MEL, HLA-A11, HLA-A2, HLA-DOB, hsp70-2, IDO1, IGF2B3, IL13Ralpha2, Intestinal carboxyl esterase, K-ras, Kallikrein 4, KIF20A, KK-LC-1, KKLC1, KM-HN-1, KMHN1 also known as CCDC110, LAGE-1, LDLR-fucosyltransferaseAS fusion protein, Lengsin, M-CSF, MAGE-A1, MAGE-A10, MAGE-A12, MAGE-A2, MAGE-A3, MAGE-A4, MAGE-A6, MAGE-A9,

MAGE-C1, MAGE-C2, malic enzyme, mammaglobin-A, MART2, MATN, MC1R, MCSP, mdm-2, ME1, Melan-A/MART-1, Meloe, Midkine, MMP-2, MMP-7, MUC1, MUC5AC, mucin, MUM-1, MUM-2, MUM-3, Myosin, Myosin class I, N-ras, NA88-A, neo-PAP, NFYC, NY-BR-1, NY-ESO-1/LAGE-2, OA1, OGT, OS-9, P polypeptide, p53, PAP, PAX5, PBF, pml-RARalpha fusion protein, polymorphic epithelial mucin ("PEM"), PPP1R3B, PRAME, PRDX5, PSA, PSMA, PTPRK, RAB38/NY-MEL-1, RAGE-1, RBAF600, RGS5, RhoC, RNF43, RU2AS, SAGE, secernin 1, SIRT2, SNRPD1, SOX10, Sp17, SPA17, SSX-2, SSX-4, STEAP1, survivin, SYT-SSX1 or -SSX2 fusion protein, TAG-1, TAG-2, Telomerase, TGF-betaRII, TPBG, TRAG-3, Triosephosphate isomerase, TRP-1/gp75, TRP-2, TRP2-INT2, tyrosinase, tyrosinase ("TYR"), VEGF, WT1 and XAGE-1b/GAGED2a.

35. The method of claim 33, wherein the cancer associated antigen is a neo-antigen.

36. The method any one of claims 25 to 35, wherein the cancer immunotherapy comprises administration of a cancer vaccine to the subject.

37. The method of claim 36, wherein the cancer vaccine comprises a polypeptide comprising an epitope of a cancer-associated antigen.

38. The method of claim 37, wherein the cancer-associated antigen is selected from the group consisting of adipophilin, AIM-2, ALDH1A1, alpha-actinin-4, alpha-fetoprotein ("AFP"), ARTC1, B-RAF, BAGE-1, BCLX (L), BCR-ABL fusion protein b3a2, beta-catenin, BING-4, CA-125, CALCA, carcinoembryonic antigen ("CEA"), CASP-5, CASP-8, CD274, CD45, Cdc27, CDK12, CDK4, CDKN2A, CEA, CLPP, COA-1, CPSF, CSNK1A1, CTAG1, CTAG2, cyclin D1, Cyclin-A1, dek-can fusion protein, DKK1, EFTUD2, Elongation factor 2, ENAH (hMena), Ep-CAM, EpCAM, EphA3, epithelial tumor antigen ("ETA"), ETV6-AML1 fusion protein, EZH2, FGF5, FLT3-ITD, FN1, G250/MN/CAIX, GAGE-1,2,8, GAGE-3,4,5,6,7, GAS7, glypican-3, GnTV, gp100/Pmel17, GPNMB, HAUS3, Hepsin, HER-2/neu, HERV-K-MEL, HLA-A11, HLA-A2, HLA-DOB, hsp70-2, IDO1, IGF2B3, IL13Ralpha2, Intestinal carboxyl esterase, K-ras, Kallikrein 4, KIF20A, KK-LC-1, KKLC1, KM-HN-1, KMHN1 also known as CCDC110, LAGE-1, LDLR-fucosyltransferaseAS fusion protein, Lengsin, M-CSF, MAGE-A1, MAGE-A10, MAGE-A12, MAGE-A2, MAGE-A3, MAGE-A4, MAGE-A6, MAGE-A9, MAGE-C1, MAGE-C2, malic enzyme, mammaglobin-A, MART2, MATN, MC1R, MCSP,

mdm-2, ME1, Melan-A/MART-1, Meloe, Midkine, MMP-2, MMP-7, MUC1, MUC5AC, mucin, MUM-1, MUM-2, MUM-3, Myosin, Myosin class I, N-raw, NA88-A, neo-PAP, NFYC, NY-BR-1, NY-ESO-1/LAGE-2, OA1, OGT, OS-9, P polypeptide, p53, PAP, PAX5, PBF, pml-RARalpha fusion protein, polymorphic epithelial mucin ("PEM"), PPP1R3B, PRAME, PRDX5, PSA, PSMA, PTPRK, RAB38/NY-MEL-1, RAGE-1, RBAF600, RGS5, RhoC, RNF43, RU2AS, SAGE, secernin 1, SIRT2, SNRPD1, SOX10, Sp17, SPA17, SSX-2, SSX-4, STEAP1, survivin, SYT-SSX1 or -SSX2 fusion protein, TAG-1, TAG-2, Telomerase, TGF-betaRII, TPBG, TRAG-3, Triosephosphate isomerase, TRP-1/gp75, TRP-2, TRP2-INT2, tyrosinase, tyrosinase ("TYR"), VEGF, WT1 and XAGE-1b/GAGED2a.

39. The method of claim 37, wherein the cancer-associated antigen is a neo-antigen.
40. The method of any one of claim 37 to 39 wherein the polypeptide is a fusion protein.
41. The method of claim 36, wherein the cancer vaccine comprises a nucleic acid encoding an epitope of a cancer-associated antigen.
42. The method of claim 41, wherein the cancer-associated antigen is selected from the group consisting of adipophilin, AIM-2, ALDH1A1, alpha-actinin-4, alpha-fetoprotein ("AFP"), ARTC1, B-RAF, BAGE-1, BCLX (L), BCR-ABL fusion protein b3a2, beta-catenin, BING-4, CA-125, CALCA, carcinoembryonic antigen ("CEA"), CASP-5, CASP-8, CD274, CD45, Cdc27, CDK12, CDK4, CDKN2A, CEA, CLPP, COA-1, CPSF, CSNK1A1, CTAG1, CTAG2, cyclin D1, Cyclin-A1, dek-can fusion protein, DKK1, EFTUD2, Elongation factor 2, ENAH (hMena), Ep-CAM, EpCAM, EphA3, epithelial tumor antigen ("ETA"), ETV6-AML1 fusion protein, EZH2, FGF5, FLT3-ITD, FN1, G250/MN/CAIX, GAGE-1,2,8, GAGE-3,4,5,6,7, GAS7, glypican-3, GnTV, gp100/Pmel17, GPNMB, HAUS3, Hepsin, HER-2/neu, HERV-K-MEL, HLA-A11, HLA-A2, HLA-DOB, hsp70-2, IDO1, IGF2B3, IL13Ralpha2, Intestinal carboxyl esterase, K-ras, Kallikrein 4, KIF20A, KK-LC-1, KKLC1, KM-HN-1, KMHN1 also known as CCDC110, LAGE-1, LDLR-fucosyltransferaseAS fusion protein, Lengsin, M-CSF, MAGE-A1, MAGE-A10, MAGE-A12, MAGE-A2, MAGE-A3, MAGE-A4, MAGE-A6, MAGE-A9, MAGE-C1, MAGE-C2, malic enzyme, mammaglobin-A, MART2, MATN, MC1R, MCSP, mdm-2, ME1, Melan-A/MART-1, Meloe, Midkine, MMP-2, MMP-7, MUC1, MUC5AC, mucin, MUM-1, MUM-2, MUM-3, Myosin, Myosin class I, N-raw, NA88-A, neo-PAP, NFYC, NY-

BR-1, NY-ESO-1/LAGE-2, OA1, OGT, OS-9, P polypeptide, p53, PAP, PAX5, PBF, pml-RARalpha fusion protein, polymorphic epithelial mucin ("PEM"), PPP1R3B, PRAME, PRDX5, PSA, PSMA, PTPRK, RAB38/NY-MEL-1, RAGE-1, RBAF600, RGS5, RhoC, RNF43, RU2AS, SAGE, secernin 1, SIRT2, SNRPD1, SOX10, Sp17, SPA17, SSX-2, SSX-4, STEAP1, survivin, SYT-SSX1 or -SSX2 fusion protein, TAG-1, TAG-2, Telomerase, TGF-betaRII, TPBG, TRAG-3, Triosephosphate isomerase, TRP-1/gp75, TRP-2, TRP2-INT2, tyrosinase, tyrosinase ("TYR"), VEGF, WT1 and XAGE-1b/GAGED2a.

43. The method of claim 41, wherein the cancer-associated antigen is a neo-antigen.
44. The method of any one of claims 41 to 43, wherein the nucleic acid is DNA.
45. The method of any one of claims 41 to 43, wherein the nucleic acid is RNA.
46. The method of claim 45, wherein the RNA is mRNA.
47. The method of any one of claims 41 to 46, wherein the nucleic acid is in a vector.
48. The method of claim 47, wherein the vector is a bacterial vector.
49. The method of claim 48, wherein the bacterial vector is selected from the group consisting of *Mycobacterium bovis* (BCG), *Salmonella Typhimurium* ssp., *Salmonella Typhi* ssp., *Clostridium* sp. spores, *Escherichia coli* Nissle 1917, *Escherichia coli* K-12/LLO, *Listeria monocytogenes*, and *Shigella flexneri*.
50. The method of claim 47, wherein the vector is a viral vector.
51. The method of claim 50, wherein the viral vector is selected from the group consisting of vaccinia, adenovirus, RNA viruses, and replication-defective avipox, replication-defective fowlpox, replication-defective canarypox, replication-defective MVA and replication-defective adenovirus.
52. The method any one of claims 25 to 51, wherein the cancer immunotherapy comprises administration of an antigen presenting cell (APC) primed with a cancer-specific antigen.
53. The method of claim 51, wherein the APC is a dendritic cell, a macrophage or a B cell.
54. The method of claim 52 or claim 53, wherein the cancer-associated antigen is selected from the group consisting of adipophilin, AIM-2, ALDH1A1, alpha-actinin-4, alpha-fetoprotein

(“AFP”), ARTC1, B-RAF, BAGE-1, BCLX (L), BCR-ABL fusion protein b3a2, beta-catenin, BING-4, CA-125, CALCA, carcinoembryonic antigen (“CEA”), CASP-5, CASP-8, CD274, CD45, Cdc27, CDK12, CDK4, CDKN2A, CEA, CLPP, COA-1, CPSF, CSNK1A1, CTAG1, CTAG2, cyclin D1, Cyclin-A1, dek-can fusion protein, DKK1, EFTUD2, Elongation factor 2, ENAH (hMena), Ep-CAM, EpCAM, EphA3, epithelial tumor antigen (“ETA”), ETV6-AML1 fusion protein, EZH2, FGF5, FLT3-ITD, FN1, G250/MN/CAIX, GAGE-1,2,8, GAGE-3,4,5,6,7, GAS7, glypican-3, GnTV, gp100/Pmel17, GPNMB, HAUS3, Hepsin, HER-2/neu, HERV-K-MEL, HLA-A11, HLA-A2, HLA-DOB, hsp70-2, IDO1, IGF2B3, IL13Ralpha2, Intestinal carboxyl esterase, K-ras, Kallikrein 4, KIF20A, KK-LC-1, KKLC1, KM-HN-1, KMHN1 also known as CCDC110, LAGE-1, LDLR-fucosyltransferaseAS fusion protein, Lengsin, M-CSF, MAGE-A1, MAGE-A10, MAGE-A12, MAGE-A2, MAGE-A3, MAGE-A4, MAGE-A6, MAGE-A9, MAGE-C1, MAGE-C2, malic enzyme, mammaglobin-A, MART2, MATN, MC1R, MCSP, mdm-2, ME1, Melan-A/MART-1, Meloe, Midkine, MMP-2, MMP-7, MUC1, MUC5AC, mucin, MUM-1, MUM-2, MUM-3, Myosin, Myosin class I, N-rav, NA88-A, neo-PAP, NFYC, NY-BR-1, NY-ESO-1/LAGE-2, OA1, OGT, OS-9, P polypeptide, p53, PAP, PAX5, PBF, pml-RARalpha fusion protein, polymorphic epithelial mucin (“PEM”), PPP1R3B, PRAME, PRDX5, PSA, PSMA, PTPRK, RAB38/NY-MEL-1, RAGE-1, RBAF600, RGS5, RhoC, RNF43, RU2AS, SAGE, secernin 1, SIRT2, SNRPD1, SOX10, Sp17, SPA17, SSX-2, SSX-4, STEAP1, survivin, SYT-SSX1 or -SSX2 fusion protein, TAG-1, TAG-2, Telomerase, TGF-betaRII, TPBG, TRAG-3, Triosephosphate isomerase, TRP-1/gp75, TRP-2, TRP2-INT2, tyrosinase, tyrosinase (“TYR”), VEGF, WT1 and XAGE-1b/GAGED2a.

55. The method of claim 52 or 53, wherein the cancer-associated antigen is a neo-antigen.
56. The method any one of claims 25 to 55, wherein the cancer immunotherapy comprises administration of a cancer-specific chimeric antigen receptor (CAR).
57. The method of claim 56, wherein the CAR is administered on the surface of a T cell.
58. The method of claim 56 or 57, wherein the CAR binds specifically to a cancer-associated antigen.
59. The method of claim 58, wherein the cancer-associated antigen is selected from the group consisting of adipophilin, AIM-2, ALDH1A1, alpha-actinin-4, alpha-fetoprotein (“AFP”),

ARTC1, B-RAF, BAGE-1, BCLX (L), BCR-ABL fusion protein b3a2, beta-catenin, BING-4, CA-125, CALCA, carcinoembryonic antigen (“CEA”), CASP-5, CASP-8, CD274, CD45, Cdc27, CDK12, CDK4, CDKN2A, CEA, CLPP, COA-1, CPSF, CSNK1A1, CTAG1, CTAG2, cyclin D1, Cyclin-A1, dek-can fusion protein, DKK1, EFTUD2, Elongation factor 2, ENAH (hMena), Ep-CAM, EpCAM, EphA3, epithelial tumor antigen (“ETA”), ETV6-AML1 fusion protein, EZH2, FGF5, FLT3-ITD, FN1, G250/MN/CAIX, GAGE-1,2,8, GAGE-3,4,5,6,7, GAS7, glypican-3, GnTV, gp100/Pmel17, GPNMB, HAUS3, Hepsin, HER-2/neu, HERV-K-MEL, HLA-A11, HLA-A2, HLA-DOB, hsp70-2, IDO1, IGF2B3, IL13Ralpha2, Intestinal carboxyl esterase, K-ras, Kallikrein 4, KIF20A, KK-LC-1, KKLC1, KM-HN-1, KMHN1 also known as CCDC110, LAGE-1, LDLR-fucosyltransferaseAS fusion protein, Lengsin, M-CSF, MAGE-A1, MAGE-A10, MAGE-A12, MAGE-A2, MAGE-A3, MAGE-A4, MAGE-A6, MAGE-A9, MAGE-C1, MAGE-C2, malic enzyme, mammaglobin-A, MART2, MATN, MC1R, MCSP, mdm-2, ME1, Melan-A/MART-1, Meloe, Midkine, MMP-2, MMP-7, MUC1, MUC5AC, mucin, MUM-1, MUM-2, MUM-3, Myosin, Myosin class I, N-ras, NA88-A, neo-PAP, NFYC, NY-BR-1, NY-ESO-1/LAGE-2, OA1, OGT, OS-9, P polypeptide, p53, PAP, PAX5, PBF, pml-RARalpha fusion protein, polymorphic epithelial mucin (“PEM”), PPP1R3B, PRAME, PRDX5, PSA, PSMA, PTPRK, RAB38/NY-MEL-1, RAGE-1, RBAF600, RGS5, RhoC, RNF43, RU2AS, SAGE, secernin 1, SIRT2, SNRPD1, SOX10, Sp17, SPA17, SSX-2, SSX-4, STEAP1, survivin, SYT-SSX1 or -SSX2 fusion protein, TAG-1, TAG-2, Telomerase, TGF-betaR2, TPBG, TRAG-3, Triosephosphate isomerase, TRP-1/gp75, TRP-2, TRP2-INT2, tyrosinase, tyrosinase (“TYR”), VEGF, WT1 and XAGE-1b/GAGED2a.

60. The method of claim 58, wherein the cancer associated antigen is a neo-antigen.
61. The method any one of claims 25 to 60, wherein the cancer immunotherapy comprises administration of a cancer-specific T cell to the subject.
62. The method of claim 61, wherein the T cell is a CD4⁺ T cell.
63. The method of claim 62, wherein the CD4⁺ T cell is a Th1 T cell, a Th2 T cell or a Th17 T cell.
64. The method of any one of claims 61 to 63, wherein the T cell expresses a T cell receptor specific for a cancer-associated antigen.

65. The method of claim 64, wherein the cancer-associated antigen is selected from the group consisting of adipophilin, AIM-2, ALDH1A1, alpha-actinin-4, alpha-fetoprotein ("AFP"), ARTC1, B-RAF, BAGE-1, BCLX (L), BCR-ABL fusion protein b3a2, beta-catenin, BING-4, CA-125, CALCA, carcinoembryonic antigen ("CEA"), CASP-5, CASP-8, CD274, CD45, Cdc27, CDK12, CDK4, CDKN2A, CEA, CLPP, COA-1, CPSF, CSNK1A1, CTAG1, CTAG2, cyclin D1, Cyclin-A1, dek-can fusion protein, DKK1, EFTUD2, Elongation factor 2, ENAH (hMena), Ep-CAM, EpCAM, EphA3, epithelial tumor antigen ("ETA"), ETV6-AML1 fusion protein, EZH2, FGF5, FLT3-ITD, FN1, G250/MN/CAIX, GAGE-1,2,8, GAGE-3,4,5,6,7, GAS7, glypican-3, GnTV, gp100/Pmel17, GPNMB, HAUS3, Hepsin, HER-2/neu, HERV-K-MEL, HLA-A11, HLA-A2, HLA-DOB, hsp70-2, IDO1, IGF2B3, IL13Ralpha2, Intestinal carboxyl esterase, K-ras, Kallikrein 4, KIF20A, KK-LC-1, KKLC1, KM-HN-1, KMHN1 also known as CCDC110, LAGE-1, LDLR-fucosyltransferaseAS fusion protein, Lengsin, M-CSF, MAGE-A1, MAGE-A10, MAGE-A12, MAGE-A2, MAGE-A3, MAGE-A4, MAGE-A6, MAGE-A9, MAGE-C1, MAGE-C2, malic enzyme, mammaglobin-A, MART2, MATN, MC1R, MCSP, mdm-2, ME1, Melan-A/MART-1, Meloe, Midkine, MMP-2, MMP-7, MUC1, MUC5AC, mucin, MUM-1, MUM-2, MUM-3, Myosin, Myosin class I, N-ras, NA88-A, neo-PAP, NFYC, NY-BR-1, NY-ESO-1/LAGE-2, OA1, OGT, OS-9, P polypeptide, p53, PAP, PAX5, PBF, pml-RARalpha fusion protein, polymorphic epithelial mucin ("PEM"), PPP1R3B, PRAME, PRDX5, PSA, PSMA, PTPRK, RAB38/NY-MEL-1, RAGE-1, RBAF600, RGS5, RhoC, RNF43, RU2AS, SAGE, secernin 1, SIRT2, SNRPD1, SOX10, Sp17, SPA17, SSX-2, SSX-4, STEAP1, survivin, SYT-SSX1 or -SSX2 fusion protein, TAG-1, TAG-2, Telomerase, TGF-betaRII, TPBG, TRAG-3, Triosephosphate isomerase, TRP-1/gp75, TRP-2, TRP2-INT2, tyrosinase, tyrosinase ("TYR"), VEGF, WT1 and XAGE-1b/GAGED2a.

66. The method of any one of claims 25 to 65, wherein the cancer immunotherapy comprises administration of an immune modulatory protein to the subject.

67. The method of claim 66, wherein the immune modulatory protein is a cytokine.

68. The method of claim 67, wherein the immune modulatory protein is selected from the group consisting of B lymphocyte chemoattractant ("BLC"), C-C motif chemokine 11 ("Eotaxin-1"), Eosinophil chemotactic protein 2 ("Eotaxin-2"), Granulocyte colony-stimulating factor ("G-CSF"), Granulocyte macrophage colony-stimulating factor ("GM-CSF"), 1-309, Interleukin

Adhesion Molecule 1 ("ICAM-1"), Interferon gamma ("IFN-gamma"), Interlukin-1 alpha ("IL-1 alpha"), Interlukin-1 beta ("IL-1 beta"), Interleukin 1 receptor antagonist ("IL-1 ra"), Interleukin-2 ("IL-2"), Interleukin-4 ("IL-4"), Interleukin-5 ("IL-5"), Interleukin-6 ("IL-6"), Interleukin-6 soluble receptor ("IL-6 sR"), Interleukin-7 ("IL-7"), Interleukin-8 ("IL-8"), Interleukin- 10 ("IL-10"), Interleukin- 11 ("IL-11"), Subunit beta of Interleukin- 12 ("IL-12 p40" or "IL-12 p70"), Interleukin-13 ("IL-13"), Interleukin-15 ("IL-15"), Interleukin-16 ("IL-16"), Interleukin-17 ("IL-17"), Chemokine (C-C motif) Lignad 2 ("MCP-1"), Macrophage colony-stimulating factor ("M-CSF"), Monokine induced by gamma interferon ("MIG"), Chemokine (C-C motif) ligand 2 ("MIP-1 alpha"), Chemokine (C-C motif) ligand 4 ("MIP-1 beta"), Macrophage inflammatory protein- 1 -delta ("MIP-1 delta"), Platelet-derived growth factor subunit B ("PDGF-BB"), Chemokine (C-C motif) ligand 5, Regulated on Activation, Normal T cell Expressed and Secreted ("RANTES"), TIMP metalloproteinase inhibitor 1 ("TIMP-1"), TIMP metalloproteinase inhibitor 2 ("TIMP-2"), Tumor necrosis factor, lymphotoxin-alpha ("TNF alpha"), Tumor necrosis factor, lymphotoxin-beta ("TNF beta"), Soluble TNF receptor type 1 ("sTNFR1"), sTNFR2, Brain-derived neurotrophic factor ("BDNF"), Basic fibroblast growth factor ("bFGF"), Bone morphogenetic protein 4 ("BMP-4"), Bone morphogenetic protein 5 ("BMP-5"), Bone morphogenetic protein 7 ("BMP-7"), Nerve growth factor ("b-NGF"), Epidermal growth factor ("EGF"), Epidermal growth factor receptor ("EGFR"), Endocrine-gland-derived vascular endothelial growth factor ("EG-VEGF"), Fibroblast growth factor 4 ("FGF-4"), Keratinocyte growth factor ("FGF-7"), Growth differentiation factor 15 ("GDF-15"), Glial cell-derived neurotrophic factor ("GDNF"), Growth Hormone, Heparin-binding EGF-like growth factor ("HB-EGF"), Hepatocyte growth factor ("HGF"), Insulin-like growth factor binding protein 1 ("IGFBP-1"), Insulin-like growth factor binding protein 2 ("IGFBP-2"), Insulin-like growth factor binding protein 3 ("IGFBP-3"), Insulin-like growth factor binding protein 4 ("IGFBP-4"), Insulin-like growth factor binding protein 6 ("IGFBP-6"), Insulin-like growth factor 1 ("IGF-1"), Insulin, Macrophage colony-stimulating factor ("M-CSF R"), Nerve growth factor receptor ("NGF R"), Neurotrophin-3 ("NT-3"), Neurotrophin-4 ("NT-4"), Osteoclastogenesis inhibitory factor ("Osteoprotegerin"), Platelet-derived growth factor receptors ("PDGF-AA"), Phosphatidylinositol-glycan biosynthesis ("PIGF"), Skp, Cullin, F-box containing complex ("SCF"), Stem cell factor receptor ("SCF R"), Transforming growth factor alpha ("TGFalpha"), Transforming growth factor beta-1 ("TGF beta 1"), Transforming growth factor beta-3 ("TGF

beta 3"), Vascular endothelial growth factor ("VEGF"), Vascular endothelial growth factor receptor 2 ("VEGFR2"), Vascular endothelial growth factor receptor 3 ("VEGFR3"), VEGF-D 6Ckine, Tyrosine-protein kinase receptor UFO ("Axl"), Betacellulin ("BTC"), Mucosae-associated epithelial chemokine ("CCL28"), Chemokine (C-C motif) ligand 27 ("CTACK"), Chemokine (C-X-C motif) ligand 16 ("CXCL16"), C-X-C motif chemokine 5 ("ENA-78"), Chemokine (C-C motif) ligand 26 ("Eotaxin-3"), Granulocyte chemotactic protein 2 ("GCP-2"), GRO, Chemokine (C-C motif) ligand 14 ("HCC-I"), Chemokine (C-C motif) ligand 16 ("HCC-4"), Interleukin-9 ("IL-9"), Interleukin-17 F ("IL-17F"), Interleukin-18-binding protein ("IL-18 BP"), Interleukin-28 A ("IL-28A"), Interleukin 29 ("IL-29"), Interleukin 31 ("IL-31"), C-X-C motif chemokine 10 ("IP-10"), Chemokine receptor CXCR3 ("I-TAC"), Leukemia inhibitory factor ("LIF"), Light, Chemokine (C motif) ligand ("Lymphotactin"), Monocyte chemoattractant protein 2 ("MCP-2"), Monocyte chemoattractant protein 3 ("MCP-3"), Monocyte chemoattractant protein 4 ("MCP-4"), Macrophage-derived chemokine ("MDC"), Macrophage migration inhibitory factor ("MIF"), Chemokine (C-C motif) ligand 20 ("MIP-3 alpha"), C-C motif chemokine 19 ("MIP-3 beta"), Chemokine (C-C motif) ligand 23 ("MPIF-1"), Macrophage stimulating protein alpha chain ("MSPalpha"), Nucleosome assembly protein 1-like 4 ("NAP-2"), Secreted phosphoprotein 1 ("Osteopontin"), Pulmonary and activation-regulated cytokine ("PARC"), Platelet factor 4 ("PF4"), Stroma cell-derived factor-1 alpha ("SDF-1 alpha"), Chemokine (C-C motif) ligand 17 ("TARC"), Thymus-expressed chemokine ("TECK"), Thymic stromal lymphopoietin ("TSLP 4-IBB"), CD 166 antigen ("ALCAM"), Cluster of Differentiation 80 ("B7-1"), Tumor necrosis factor receptor superfamily member 17 ("BCMA"), Cluster of Differentiation 14 ("CD14"), Cluster of Differentiation 30 ("CD30"), Cluster of Differentiation 40 ("CD40 Ligand"), Carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein) ("CEACAM-1"), Death Receptor 6 ("DR6"), Deoxythymidine kinase ("Dtk"), Type 1 membrane glycoprotein ("Endoglin"), Receptor tyrosine-protein kinase erbB-3 ("ErbB3"), Endothelial-leukocyte adhesion molecule 1 ("E-Selectin"), Apoptosis antigen 1 ("Fas"), Fms-like tyrosine kinase 3 ("Flt-3L"), Tumor necrosis factor receptor superfamily member 1 ("GITR"), Tumor necrosis factor receptor superfamily member 14 ("HVEM"), Intercellular adhesion molecule 3 ("ICAM-3"), IL-1 R4, IL-1 RI, IL-10 Rbeta, IL-17R, IL-2Rgamma, IL-21R, Lysosome membrane protein 2 ("LIMPII"), Neutrophil gelatinase-associated lipocalin ("Lipocalin-2"), CD62L ("L-Selectin"), Lymphatic endothelium ("LYVE-1"), MHC

class I polypeptide-related sequence A ("MICA"), MHC class I polypeptide-related sequence B ("MICB"), NRGI-betal, Beta-type platelet-derived growth factor receptor ("PDGF Rbeta"), Platelet endothelial cell adhesion molecule ("PECAM-1"), RAGE, Hepatitis A virus cellular receptor 1 ("TIM-1"), Tumor necrosis factor receptor superfamily member IOC ("TRAIL R3"), Trappin protein transglutaminase binding domain ("Trappin-2"), Urokinase receptor ("uPAR"), Vascular cell adhesion protein 1 ("VCAM-1"), XEDARActivin A, Agouti-related protein ("AgRP"), Ribonuclease 5 ("Angiogenin"), Angiopoietin 1, Angiostatin, Catheprin S, CD40, Cryptic family protein IB ("Cripto-1"), DAN, Dickkopf-related protein 1 ("DKK-1"), E-Cadherin, Epithelial cell adhesion molecule ("EpCAM"), Fas Ligand (FasL or CD95L), FcγRIIB/C, FoUistatin, Galectin-7, Intercellular adhesion molecule 2 ("ICAM-2"), IL-13 R1, IL-13R2, IL-17B, IL-2 Ra, IL-2 Rb, IL-23, LAP, Neuronal cell adhesion molecule ("NrCAM"), Plasminogen activator inhibitor- 1 ("PAI-1"), Platelet derived growth factor receptors ("PDGF-AB"), Resistin, stromal cell-derived factor 1 ("SDF-1 beta"), sgpl30, Secreted frizzled-related protein 2 ("ShhN"), Sialic acid-binding immunoglobulin-type lectins ("Siglec-5"), ST2, Transforming growth factor-beta 2 ("TGF beta 2"), Tie-2, Thrombopoietin ("TPO"), Tumor necrosis factor receptor superfamily member 10D ("TRAIL R4"), Triggering receptor expressed on myeloid cells 1 ("TREM-1"), Vascular endothelial growth factor C ("VEGF-C"), VEGFR1Adiponectin, Adipsin ("AND"), Alpha-fetoprotein ("AFP"), Angiopoietin-like 4 ("ANGPTL4"), Beta-2-microglobulin ("B2M"), Basal cell adhesion molecule ("BCAM"), Carbohydrate antigen 125 ("CA125"), Cancer Antigen 15-3 ("CA15-3"), Carcinoembryonic antigen ("CEA"), cAMP receptor protein ("CRP"), Human Epidermal Growth Factor Receptor 2 ("ErbB2"), Follistatin, Follicle-stimulating hormone ("FSH"), Chemokine (C-X-C motif) ligand 1 ("GRO alpha"), human chorionic gonadotropin ("beta HCG"), Insulin-like growth factor 1 receptor ("IGF-1 sR"), IL-1 sRII, IL-3, IL-18 Rb, IL-21, Leptin, Matrix metalloproteinase-1 ("MMP-1"), Matrix metalloproteinase-2 ("MMP-2"), Matrix metalloproteinase-3 ("MMP-3"), Matrix metalloproteinase-8 ("MMP-8"), Matrix metalloproteinase-9 ("MMP-9"), Matrix metalloproteinase-10 ("MMP-10"), Matrix metalloproteinase-13 ("MMP-13"), Neural Cell Adhesion Molecule ("NCAM-1"), Entactin ("Nidogen-1"), Neuron specific enolase ("NSE"), Oncostatin M ("OSM"), Procalcitonin, Prolactin, Prostate specific antigen ("PSA"), Sialic acid-binding Ig-like lectin 9 ("Siglec-9"), ADAM 17 endopeptidase ("TACE"), Thyroglobulin, Metalloproteinase inhibitor 4 ("TIMP-4"), TSH2B4, Disintegrin and metalloproteinase domain-

containing protein 9 ("ADAM-9"), Angiopoietin 2, Tumor necrosis factor ligand superfamily member 13/ Acidic leucine-rich nuclear phosphoprotein 32 family member B ("APRIL"), Bone morphogenetic protein 2 ("BMP-2"), Bone morphogenetic protein 9 ("BMP-9"), Complement component 5a ("C5a"), Cathepsin L, CD200, CD97, Chemerin, Tumor necrosis factor receptor superfamily member 6B ("DcR3"), Fatty acid-binding protein 2 ("FABP2"), Fibroblast activation protein, alpha ("FAP"), Fibroblast growth factor 19 ("FGF-19"), Galectin-3, Hepatocyte growth factor receptor ("HGF R"), IFN-gamma/beta R2, Insulin-like growth factor 2 ("IGF-2"), Insulin-like growth factor 2 receptor ("IGF-2 R"), Interleukin-1 receptor 6 ("IL-1R6"), Interleukin 24 ("IL-24"), Interleukin 33 ("IL-33", Kallikrein 14, Asparaginyl endopeptidase ("Legumain"), Oxidized low-density lipoprotein receptor 1 ("LOX-1"), Mannose-binding lectin ("MBL"), Neprilysin ("NEP"), Notch homolog 1, translocation-associated (Drosophila) ("Notch-1"), Nephroblastoma overexpressed ("NOV"), Osteoactivin, Programmed cell death protein 1 ("PD-1"), N-acetylmuramoyl-L-alanine amidase ("PGRP-5"), Serpin A4, Secreted frizzled related protein 3 ("sFRP-3"), Thrombomodulin, Tolllike receptor 2 ("TLR2"), Tumor necrosis factor receptor superfamily member 10A ("TRAIL R1"), Transferrin ("TRF"), WIF-1ACE-2, Albumin, AMICA, Angiopoietin 4, B-cell activating factor ("BAFF"), Carbohydrate antigen 19-9 ("CA19-9"), CD 163, Clusterin, CRT AM, Chemokine (C-X-C motif) ligand 14 ("CXCL14"), Cystatin C, Decorin ("DCN"), Dickkopf-related protein 3 ("Dkk-3"), Delta-like protein 1 ("DLL1"), Fetuin A, Heparin-binding growth factor 1 ("aFGF"), Folate receptor alpha ("FOLR1"), Furin, GPCR-associated sorting protein 1 ("GASP-1"), GPCR-associated sorting protein 2 ("GASP-2"), Granulocyte colony-stimulating factor receptor ("GCSF R"), Serine protease hepsin ("HAI-2"), Interleukin-17B Receptor ("IL-17B R"), Interleukin 27 ("IL-27"), Lymphocyte-activation gene 3 ("LAG-3"), Apolipoprotein A-V ("LDL R"), Pepsinogen I, Retinol binding protein 4 ("RBP4"), SOST, Heparan sulfate proteoglycan ("Syndecan-1"), Tumor necrosis factor receptor superfamily member 13B ("TACI"), Tissue factor pathway inhibitor ("TFPI"), TSP-1, Tumor necrosis factor receptor superfamily, member 10b ("TRAIL R2"), TRANCE, Troponin I, Urokinase Plasminogen Activator ("uPA"), Cadherin 5, type 2 or VE-cadherin (vascular endothelial) also known as CD144 ("VE-Cadherin"), WNT1-inducible-signaling pathway protein 1 ("WISP-1"), and Receptor Activator of Nuclear Factor κ B ("RANK").

69. The method of any one of claims 25 to 68, wherein the cancer immunotherapy comprises administering an adjuvant to the subject.
70. The method of claim 69, wherein the adjuvant is selected from the group consisting of an immune modulatory protein, Adjuvant 65, α -GalCer, aluminum phosphate, aluminum hydroxide, calcium phosphate, β -Glucan Peptide, CpG DNA, GPI-0100, lipid A, lipopolysaccharide, Lipovant, Montanide, N-acetyl-muramyl-L-alanyl-D-isoglutamine, Pam3CSK4, quil A and trehalose dimycolate.
71. The method of any one of claims 22 to 70, wherein second the cancer therapy comprises administering an angiogenesis inhibitor to the subject.
72. The method of claim 71, wherein the angiogenesis inhibitor is selected from the group consisting of Bevacizumab (Avastin®), Ziv-aflibercept (Zaltrap®), Sorafenib (Nexavar®), Sunitinib (Sutent®), Pazopanib (Votrient®), Regorafenib (Stivarga®), and Cabozantinib (Cometriq™).
73. The method of any one of claims 22 to 72, wherein the second cancer therapy comprises radiation therapy.
74. The method of any one of claims 22 to 73, wherein the cancer therapy comprises administering an antibiotic to the subject.
75. The method of claim 74, wherein the antibiotic is selected from the group consisting of aminoglycosides, ansamycins, carbacephems, carbapenems, cephalosporins, glycopeptides, lincosamides, lipopeptides, macrolides, monobactams, nitrofurans, oxazolidonones, penicillins, polypeptide antibiotics, quinolones, fluoroquinolone, sulfonamides, tetracyclines, anti-mycobacterial compounds and combinations thereof.
76. The method of any one of claims 22 to 75, wherein the cancer therapy comprises administering to the subject a second therapeutic bacteria.
77. The method of any one of claims 1 to 76, wherein the method further comprises administering a prebiotic to the subject.
78. The method of claim 77, wherein the prebiotic is a fructooligosaccharide, a galactooligosaccharide, a trans-galactooligosaccharide, a xylooligosaccharide, a

chitooligosaccharide, a soy oligosaccharides, a gentioooligosaccharide, an isomaltoooligosaccharide, a mannooligosaccharide, a maltooligosaccharide, a mannanoligosaccharide, lactulose, lactosucrose, palatinose, glycosyl sucrose, guar gum, gum Arabic, tagalose, amylose, amylopectin, pectin, xylan, or a cyclodextrin.

79. A method of augmenting a tumor environment containing an immune cell in a subject comprising administering a bacterial composition comprising *Bifidobacterium animalis ssp. lactis* to the subject.

80. The method of claim 79, wherein the immune cell is an antigen presenting cell, a dendritic cell, a T cell, a B cell, an NK cell, an NKT cell, a macrophage, or a neutrophil.

81. The method of claim 79 or claim 80, wherein the composition is administered orally.

82. A method of augmenting a tumor environment that comprises a biomarker of patient selection in a subject comprising administering a bacterial composition comprising *Bifidobacterium animalis ssp. lactis* to the subject.

83. The method of claim 82, wherein the biomarker is PD-L1 and the therapy is a checkpoint inhibitor.

84. A method of augmenting a tumor environment comprising a biomarker associated with immune cell activity in a subject comprising administering a bacterial composition comprising *Bifidobacterium animalis ssp. lactis* to the subject.

85. The method of claim 84, wherein the biomarker is CD86, CD80 or CD206.

86. The method of claim 84 or claim 85, wherein the composition is administered orally.

87. The method of any one of claims 1 to 86, wherein the subject is a human.

88. The method of any one of claims 1 to 86, wherein the subject is a non-human mammal.

89. The method of claim 88, wherein the mammal is selected from the group consisting of a dog, a cat, a cow, a horse, a pig, a donkey, a goat, a camel, a mouse, a rat, a guinea pig, a sheep, a llama, a monkey, a gorilla or a chimpanzee.

90. The method of any one of claims 1 to 89, wherein a second bacterium is administered as part of an ecological consortium.

91. A bacterial composition comprising *Bifidobacterium animalis ssp. Lactis*.
92. The bacterial composition of claim 91, further comprising a pharmaceutically acceptable carrier.
93. A bacterial composition comprising a pharmaceutically active biomass (PhABs) derived from *Bifidobacterium animalis ssp. lactis*.
94. A bacterial composition comprising a pharmaceutically active biomass (PhABs) isolated from *Bifidobacterium animalis ssp. lactis*.
95. The bacterial composition of any one of claims 91 to 94, wherein the *Bifidobacterium animalis ssp. lactis* is a strain comprising at least 99% sequence identity to the nucleotide sequence of the *Bifidobacterium animalis ssp. lactis* Strain A (ATCC Deposit Number PTA-125097).
96. The bacterial composition of any one of claims 91 to 94, wherein the *Bifidobacterium animalis ssp. lactis* is a strain comprising at least 99.9% sequence identity to the nucleotide sequence of the *Bifidobacterium animalis ssp. lactis* Strain A (ATCC Deposit Number PTA-125097).
97. The bacterial composition of any one of claims 91 to 94, wherein the *Bifidobacterium animalis ssp. lactis* is the *Bifidobacterium animalis ssp. lactis* Strain A (ATCC Deposit Number PTA-125097).
98. The bacterial composition of any one of claims 91 to 94, wherein the composition comprises an effective amount of *Bifidobacterium animalis ssp. lactis* Strain A (ATCC Deposit Number PTA-125097).
99. The bacterial composition of any one of claims 91 to 98, wherein the bacterial composition formulated for oral, rectal, intravenous, intratumoral, or subcutaneous administration.
100. The bacterial composition of any one of claims 91 to 99, wherein at least 50% of the bacteria in the bacterial composition are *Bifidobacterium animalis ssp. lactis*.
101. The bacterial composition of any one of claims 91 to 99, wherein at least 90% of the bacteria in the bacterial composition are *Bifidobacterium animalis ssp. lactis*.

102. The bacterial composition of any one of claims 91 to 101, wherein substantially all of the bacteria in the bacterial composition are *Bifidobacterium animalis ssp. lactis*.
103. The bacterial composition of any one of claims 91 to 103, wherein the bacterial composition comprises at least 1×10^6 colony forming units (CFUs) of *Bifidobacterium animalis ssp. lactis*.
104. The bacterial composition of claim 103, wherein the bacterial composition comprises at least 1×10^7 CFUs of *Bifidobacterium animalis ssp. lactis*.
105. The bacterial composition of claim 103, wherein the bacterial composition comprises at least 1×10^8 CFUs of *Bifidobacterium animalis ssp. lactis*.
106. The bacterial composition of any one of claims 91 to 105, wherein the bacterial composition comprises live bacteria.
107. The bacterial composition of any one of claims 91 to 105, wherein the bacterial composition comprises attenuated bacteria.
108. The bacterial composition of any one of claims 91 to 105, wherein the bacterial composition comprises killed bacteria.
109. The bacterial composition of any one of claims 91 to 108, wherein administration of the bacterial composition treats the cancer.
110. The bacterial composition of any one of claims 91 to 109, wherein administration of the bacterial composition induces an anti-cancer immune response.
111. The bacterial composition of any one of claims 91 to 109, wherein administration of the bacterial composition induces CD3+ immune cell infiltration.
112. The bacterial composition of any one of claims 91 to 109, wherein administration of the bacterial composition induces MHC Class I upregulation at the tumor site.
113. The bacterial composition of any one of claims 91 to 112, wherein the *Bifidobacterium animalis ssp. lactis* is formulated with an enteric coating or micro encapsulation.
114. A bioreactor comprising *Bifidobacterium animalis ssp. lactis*.

115. The bioreactor of claim 114, wherein the *Bifidobacterium animalis ssp. lactis* is a strain comprising at least 99% sequence identity to the nucleotide sequence of the *Bifidobacterium animalis ssp. lactis* Strain A (ATCC Deposit Number PTA-125097).

116. The bioreactor of claim 114, wherein the *Bifidobacterium animalis ssp. lactis* is a strain comprising at least 99.9% sequence identity to the nucleotide sequence of the *Bifidobacterium animalis ssp. lactis* Strain A (ATCC Deposit Number PTA-125097).

117. The bioreactor of claim 114, wherein the *Bifidobacterium animalis ssp. lactis* is the *Bifidobacterium animalis ssp. lactis* Strain A (ATCC Deposit Number PTA-125097).

118. A bacterial composition comprising at least one strain of *Bifidobacterium animalis ssp. lactis* having a gene comprising a nucleotide base change as identified in Table 6.

119. The bacterial composition of claim 118, comprising at least one strain of *Bifidobacterium animalis ssp. lactis* having two genes comprising a nucleotide base change as identified in Table 6.

120. The bacterial composition of claim 118, comprising at least one strain of *Bifidobacterium animalis ssp. lactis* having three genes comprising a nucleotide base change as identified in Table 6.

121. The bacterial composition of claim 118, comprising at least one strain of *Bifidobacterium animalis ssp. lactis* having four genes comprising a nucleotide base change as identified in Table 6.

122. The bacterial composition of claim 118, comprising at least one strain of *Bifidobacterium animalis ssp. lactis* having five genes comprising a nucleotide base change as identified in Table 6.

123. The bacterial composition of claim 118, comprising at least one strain of *Bifidobacterium animalis ssp. lactis* having six genes comprising a nucleotide base change as identified in Table 6.

124. The bacterial composition of claim 118, comprising at least one strain of *Bifidobacterium animalis ssp. lactis* having seven genes comprising a nucleotide base change as identified in Table 6.

125. The bacterial composition of claim 118, comprising at least one strain of *Bifidobacterium animalis ssp. lactis* having eight genes comprising a nucleotide base change as identified in Table 6.
126. The bacterial composition of claim 118, comprising at least one strain of *Bifidobacterium animalis ssp. lactis* having nine genes comprising a nucleotide base change as identified in Table 6.
127. The bacterial composition of claim 118, comprising at least one strain of *Bifidobacterium animalis ssp. lactis* having ten genes comprising a nucleotide base change as identified in Table 6.
128. The bacterial composition of claim 118, comprising at least one strain of *Bifidobacterium animalis ssp. lactis* having eleven genes comprising a nucleotide base change as identified in Table 6.
129. The bacterial composition of claim 118, comprising at least one strain of *Bifidobacterium animalis ssp. lactis* having twelve genes comprising a nucleotide base change as identified in Table 6.
130. The bacterial composition of claim 118, comprising at least one strain of *Bifidobacterium animalis ssp. lactis* having thirteen genes comprising a nucleotide base change as identified in Table 6.
131. The bacterial composition of claim 118, comprising at least one strain of *Bifidobacterium animalis ssp. lactis* having fourteen genes comprising a nucleotide base change as identified in Table 6.
132. The bacterial composition of claim 118, comprising at least one strain of *Bifidobacterium animalis ssp. lactis* having fifteen genes comprising a nucleotide base change as identified in Table 6.
133. The bacterial composition of claim 118, comprising at least one strain of *Bifidobacterium animalis ssp. lactis* having genes comprising all the nucleotide base changes as identified in Table 6.

Figure 1

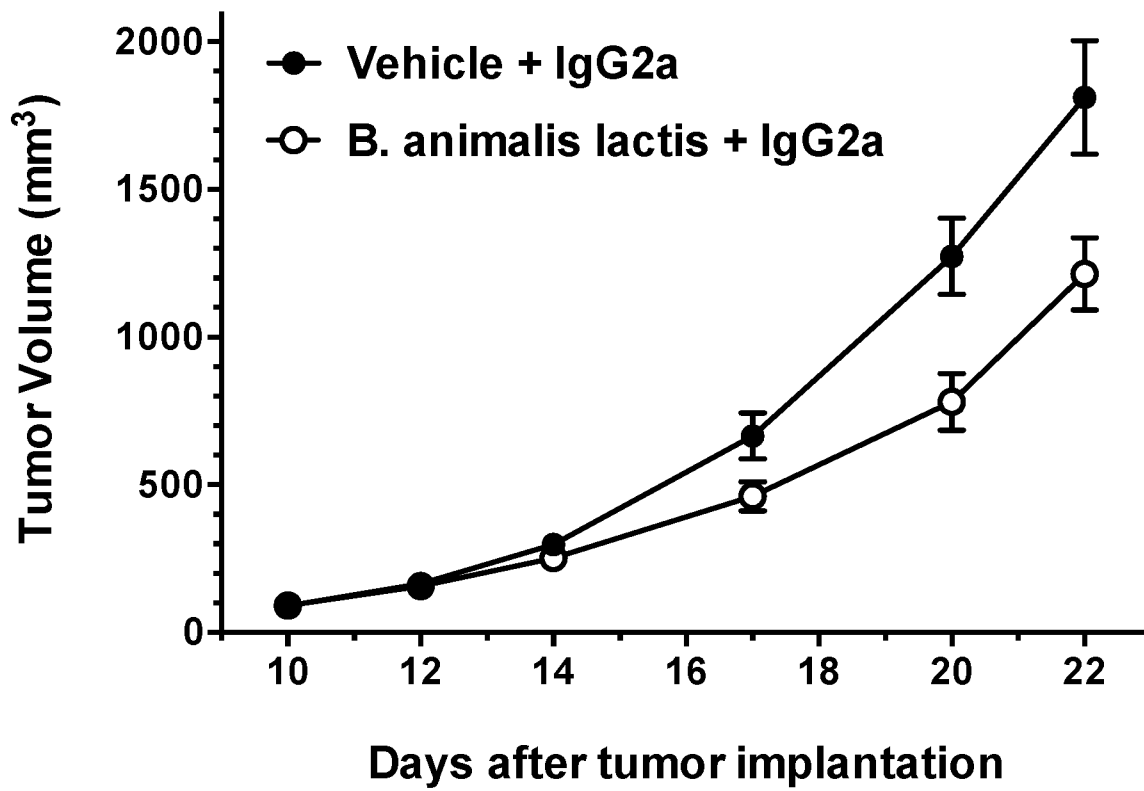


Figure 2

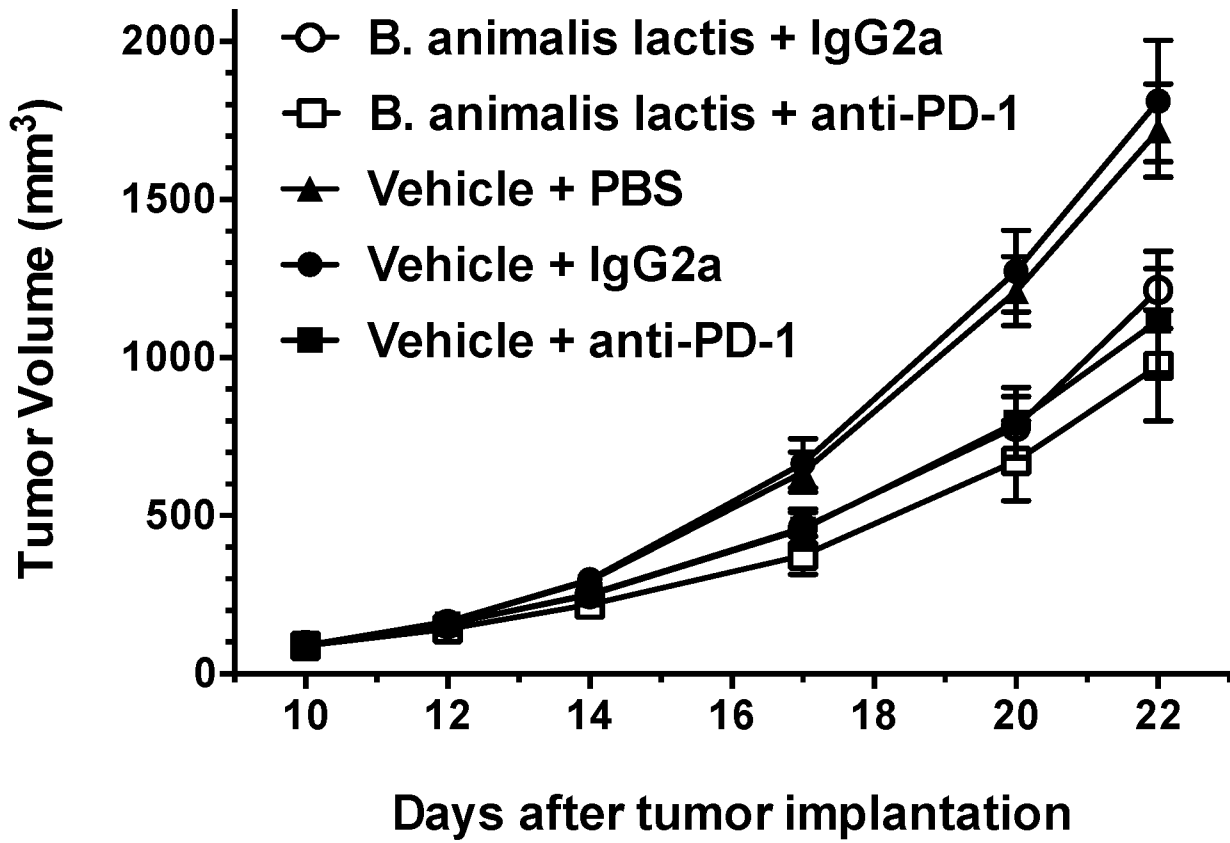


Figure 3

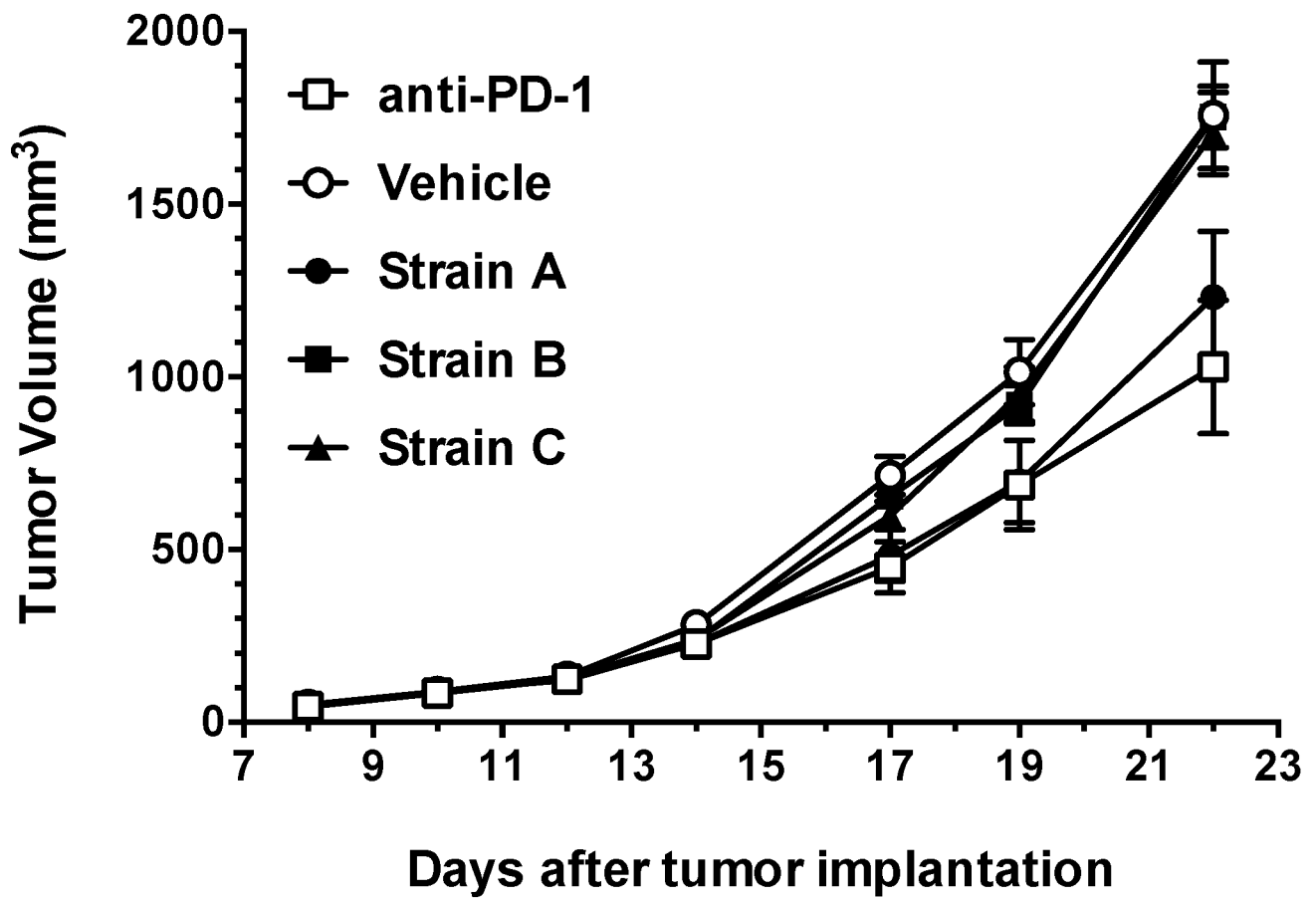


Figure 4

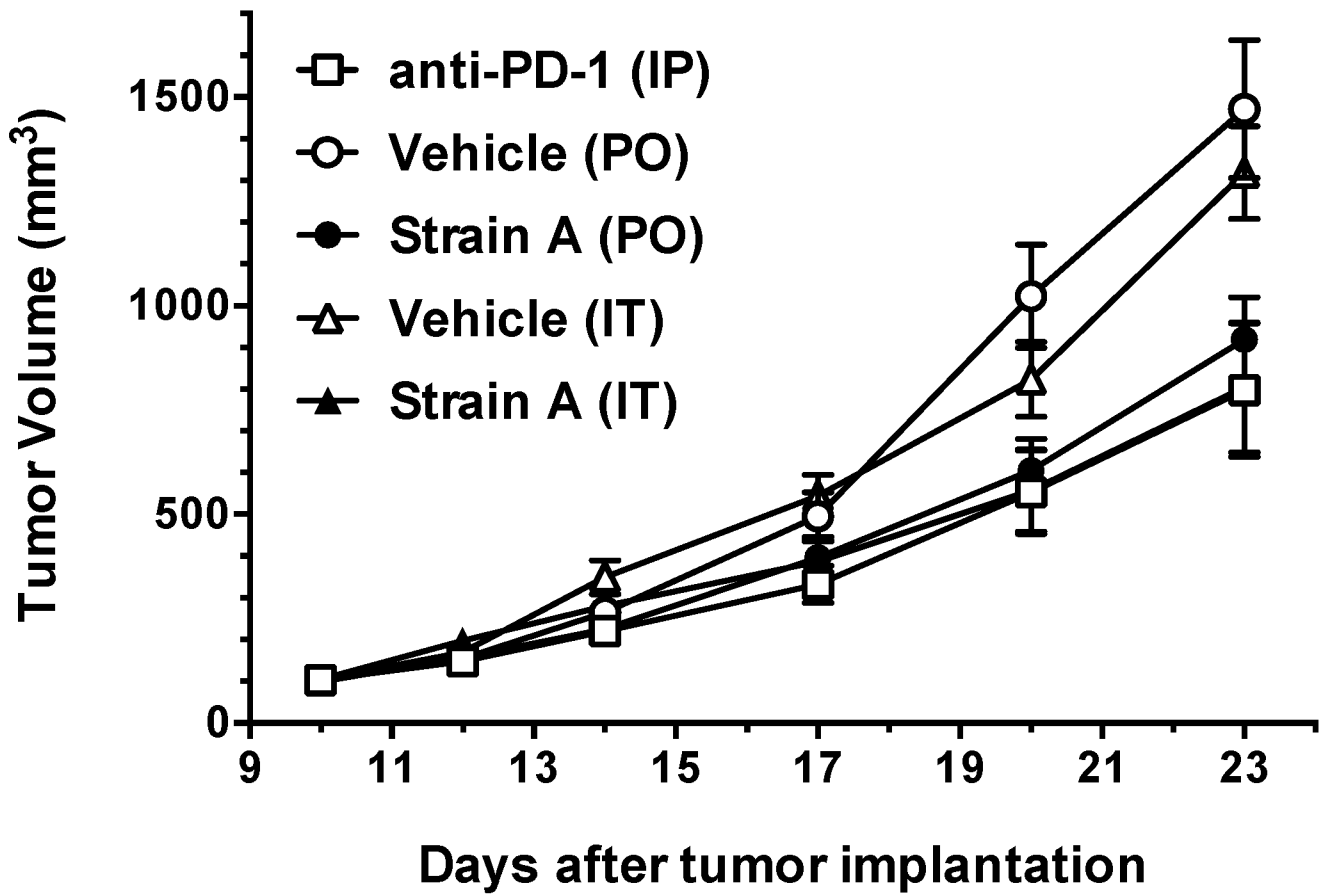


Figure 5

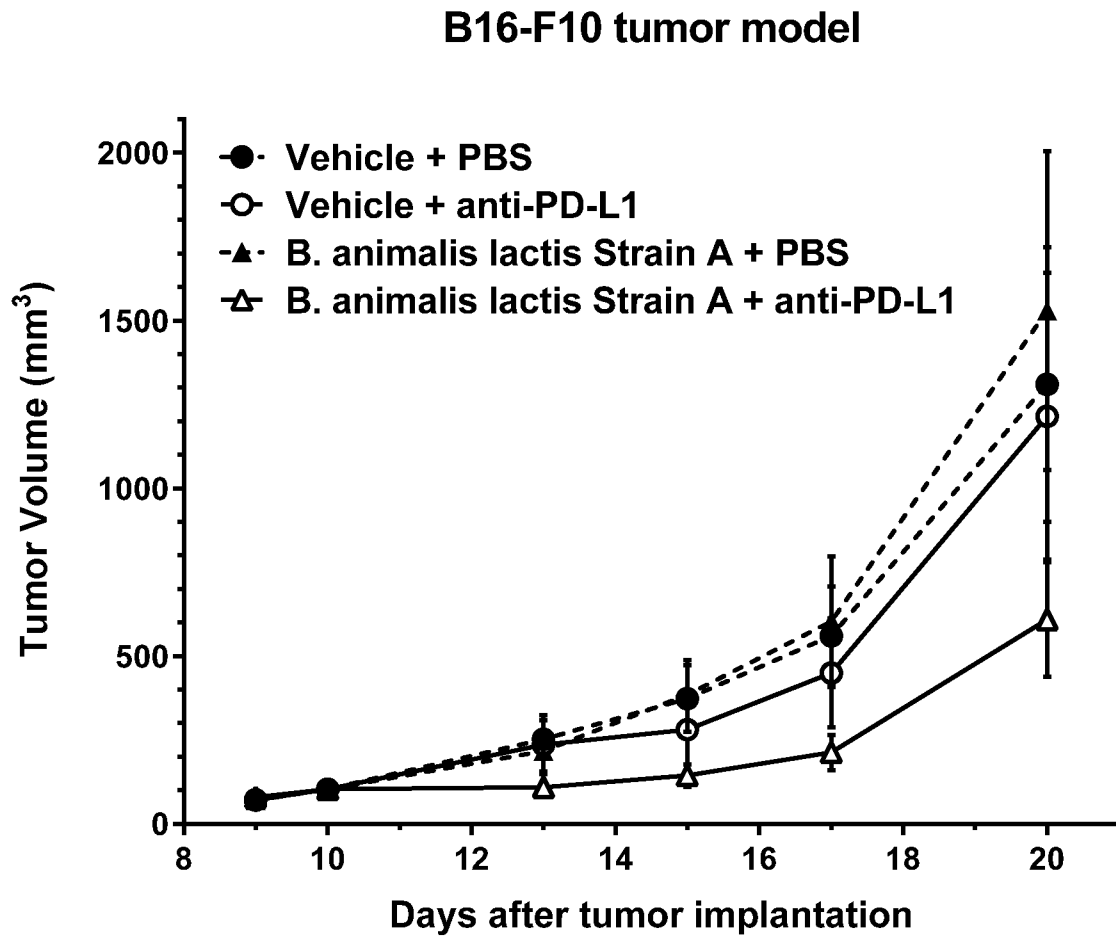


Figure 6A

CT26 tumor model (tumor volumes on the 9th day of dosing)

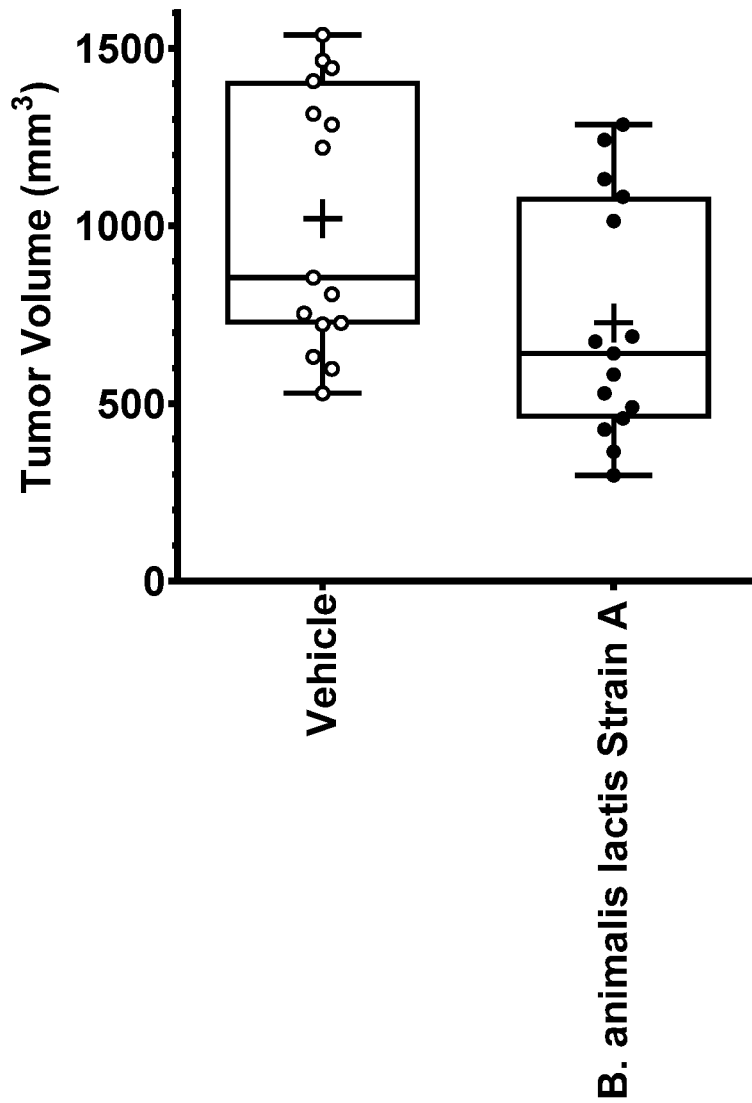


Figure 6B

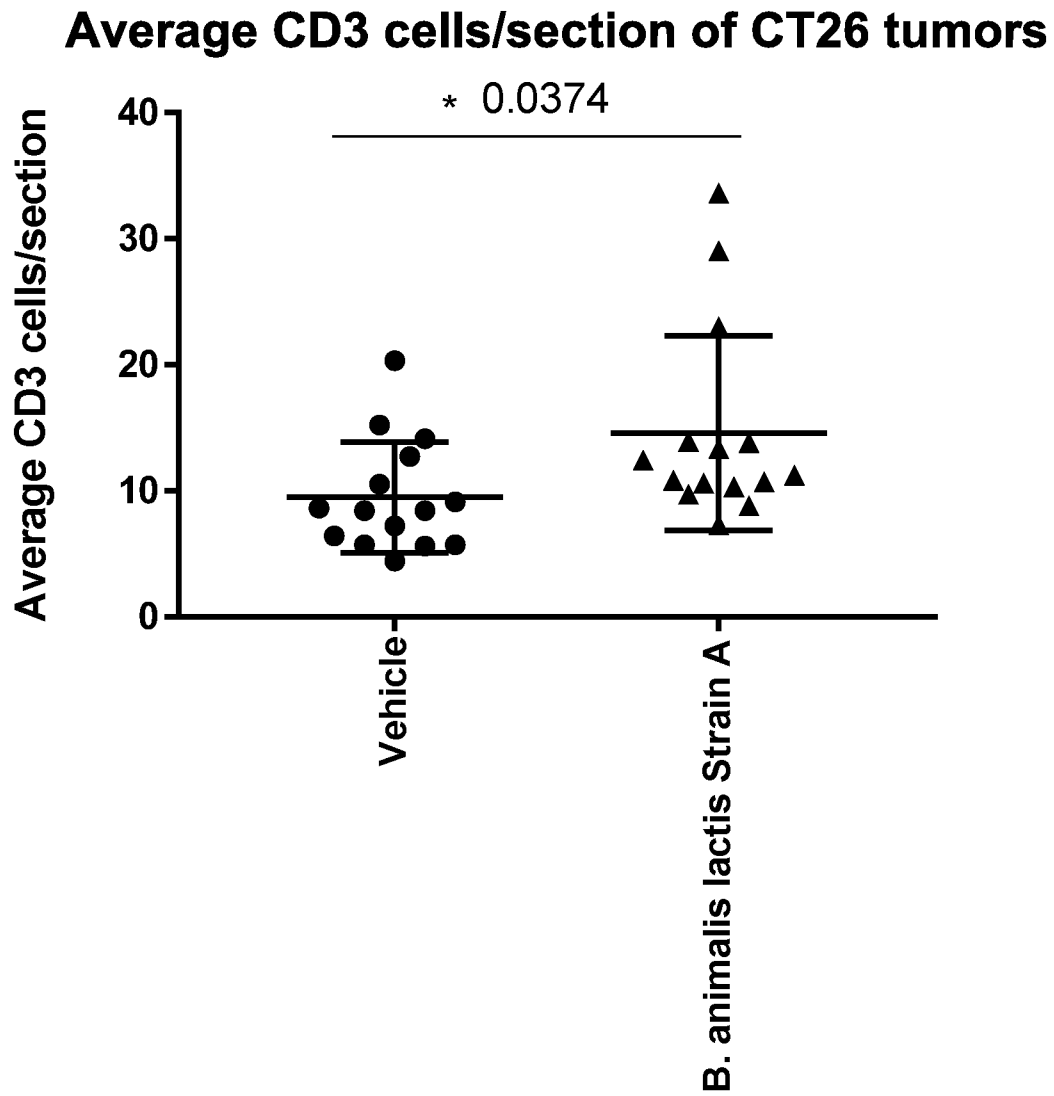


Figure 6C

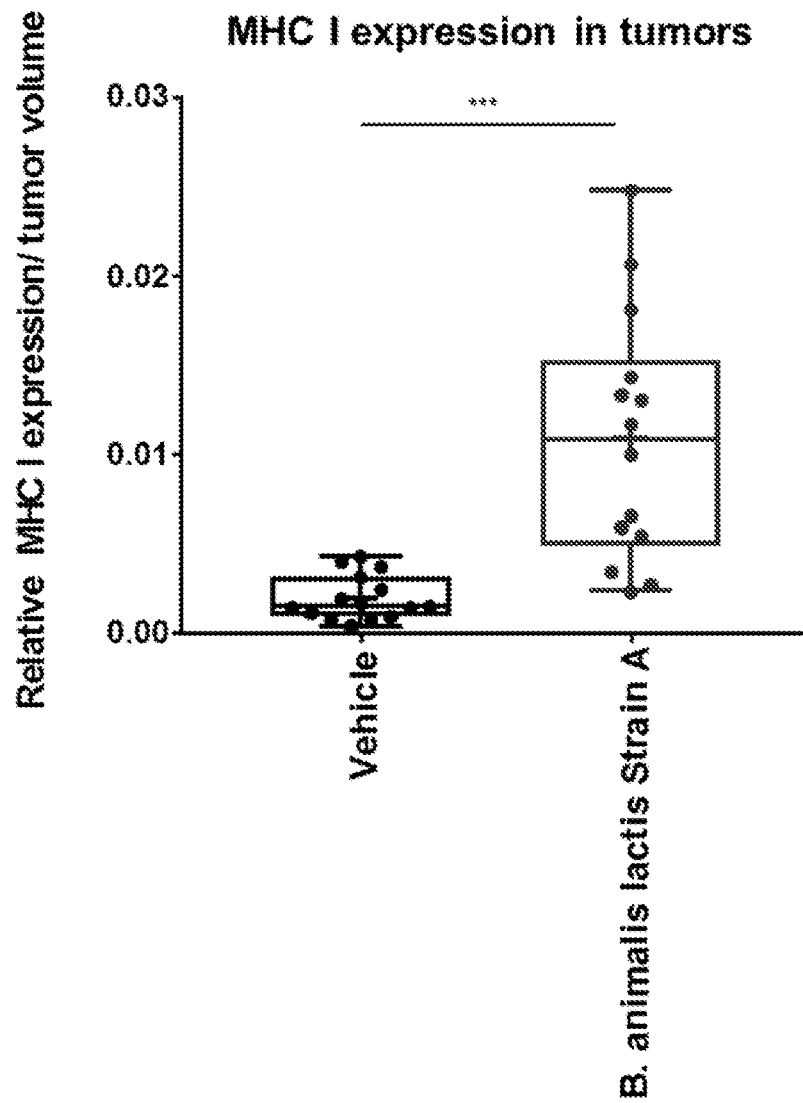


Figure 7

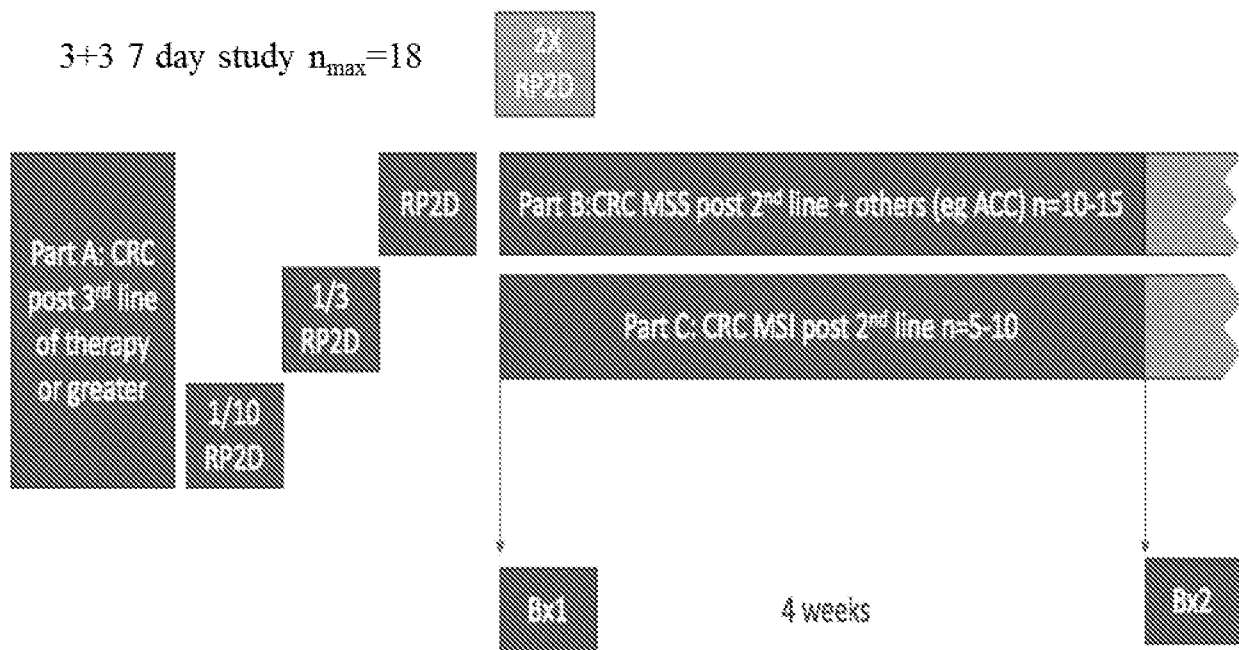


Figure 8

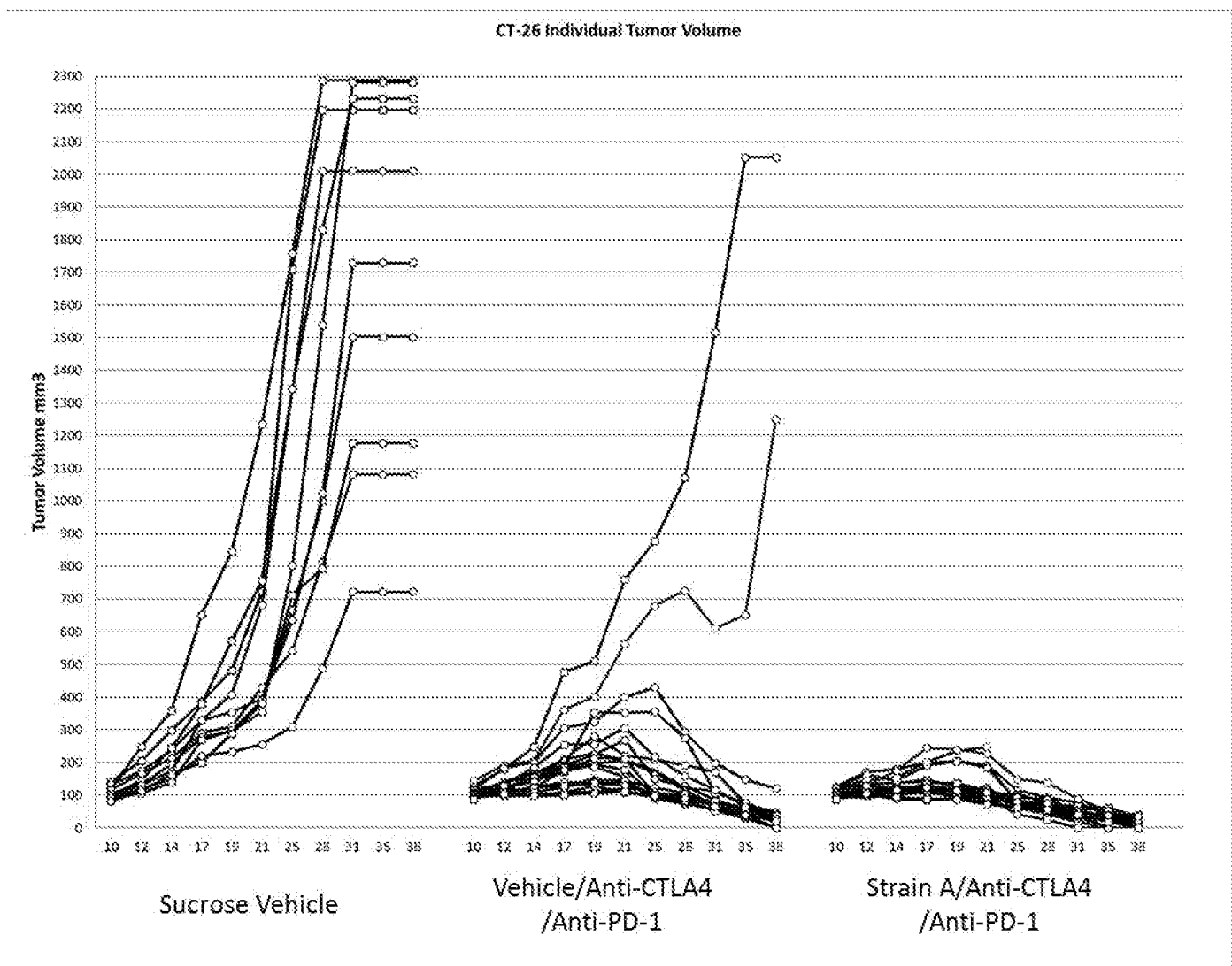


Figure 9A

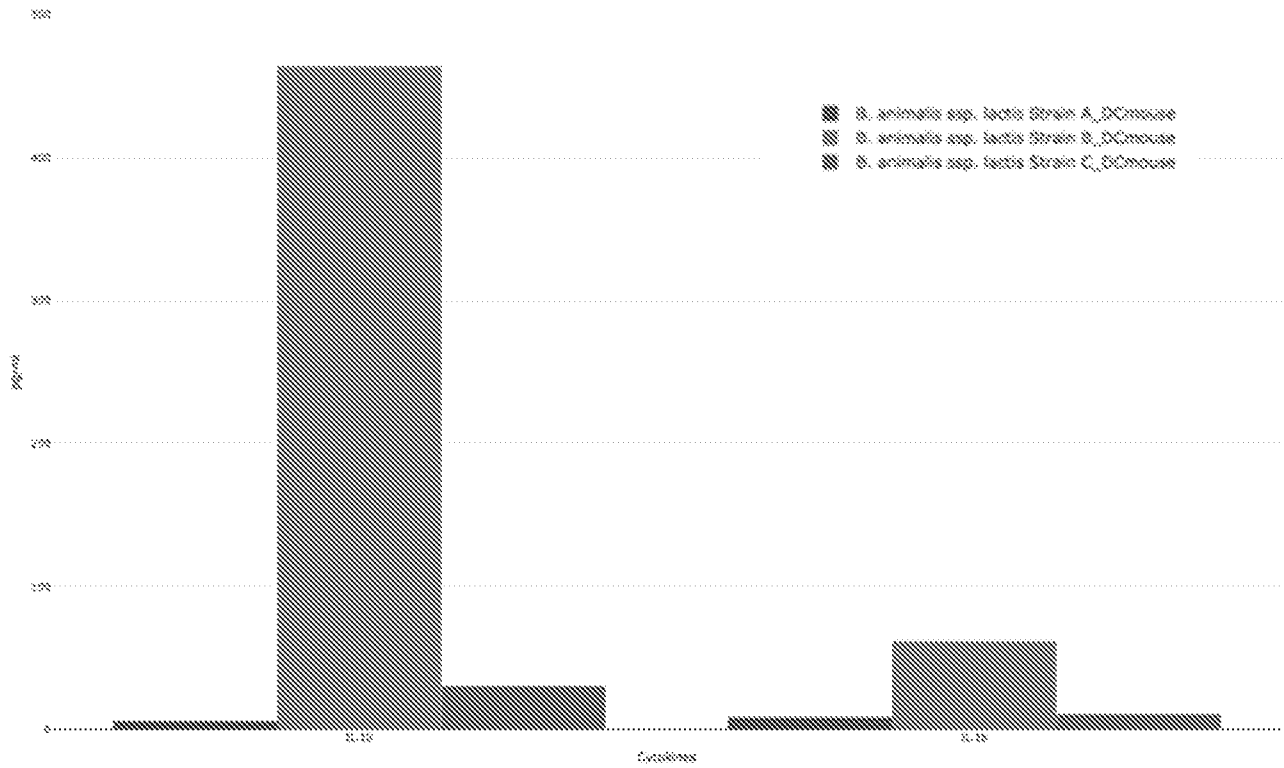


Figure 9B

