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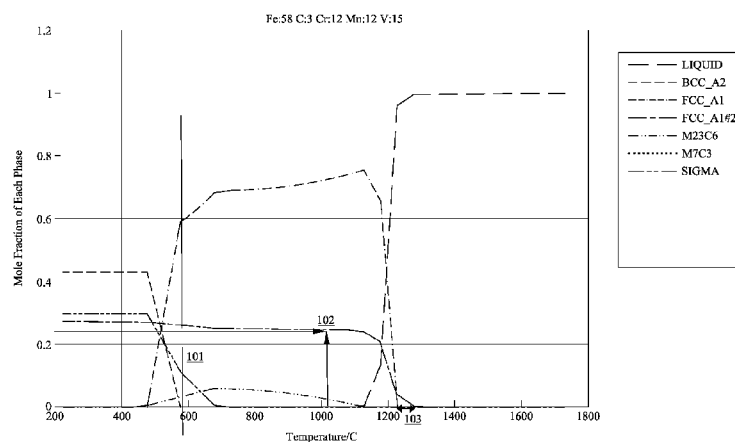


FIG. 1

(57) Abstract: Disclosed herein are embodiments of non-magnetic, strong carbide forming alloys. In particular, the alloys can be advantageously used for powder manufacturing. Embodiments of the disclosure can have low FCC-BCC transition temperatures in combination with hard particles having a hardness of 1000 Vickers or greater. The alloys can be used in conjunction with, for example, drill pipe tool joints, drill collars, down hole stabilizers, or oilfield components, particularly as a hardbanding component.

NON-MAGNETIC, STRONG CARBIDE FORMING ALLOYS FOR POWDER MANUFACTURE

INCORPORATION BY REFERENCE TO ANY PRIORITY APPLICATIONS

[0001] Any and all applications for which a foreign or domestic priority claim is identified in the Application Data Sheet as filed with the present application are hereby incorporated by reference under 37 CFR 1.57.

BACKGROUND

Field

[0002] The disclosure generally relates to non-magnetic alloys which can be produced using common metal powder manufacturing techniques which serve as effective feedstock for plasma transferred arc and laser cladding hardfacing processes.

Description of the Related Art

[0003] Abrasive wear is a major concern for operators in applications that involve sand, rock, or other extremely hard media wearing away against a surface. Applications which see severe abrasive wear typically utilize materials of high hardness as a hardfacing coating. Hardfacing materials typically contain carbides and/or borides as hard precipitates which resist abrasion and increase the bulk hardness of the material.

[0004] It is well known by metallurgists that certain carbides are significantly harder than other carbides. It is also well known that the hardest carbides and borides also tend to form at elevated temperatures in a liquid alloy during a potential manufacturing process. In the case of powder manufacturing, high temperature carbides and/or borides are undesirable as they can precipitate out of the liquid alloy and onto the atomization nozzle, which creates complications during the manufacturing process, thus making these types of alloys incompatible with this process.

[0005] A number of disclosures are directed to non-magnetic alloys for use in forming drilling components including U.S. Patent No. 4,919,728 which details a method for manufacturing non-magnetic drilling string components, and U.S. Patent Publication No.

2005/0047952, which describes a non-magnetic corrosion resistant high strength steel, the entirety of both of which is hereby incorporated by reference in its entirety. Both the patent and application describe magnetic permeability of less than 1.01. The compositions described have a maximum of 0.15 wt. % carbon, 1 wt. % silicon, and no boron. The low levels and absence of the above mentioned hard particle forming elements suggests that the alloys would not precipitate sufficient, if any, hard particles. It can be further expected that inadequate wear resistance and hardness for high wear environments would be provided.

[0006] Further, U.S. Patent No. 4,919,728 describes alloys which contain carbon levels below 0.25 wt. % while U.S. Patent Publication No. 2005/0047952 details carbon levels below 0.1 wt. %. With these levels of carbon in conjunction with the absence of boron, few hard particles can form which impart wear resistance to a hardband.

[0007] U.S. Patent No. 4,919,728 also discloses a method for cold working at various temperatures to achieve certain properties. However, cold working is not possible in coating applications such as hardfacing. The size and geometry of the parts would require excessive deformations loads as well as currently unknown methods to uniformly cold work specialized parts such as tool joints.

[0008] Additionally, U.S. Patent Publication No. 2010/0009089, hereby incorporated by reference in its entirety, details a non-magnetic alloy for coatings adapted for high wear applications where non-magnetic properties are required. The alloys listed in this publication are nickel-based with preformed tungsten carbide hard spherical particles poured into the molten weld material during welding in the amount of 30-60 wt. %.

[0009] Also, U.S Patent Publication Nos. 2014/0105780 and 2015/0275341, each of which is hereby incorporated by reference in its entirety, details non-magnetic coatings for high-wear applications where non-magnetic properties are required. However, these alloys are not capable of being manufactured using the powder atomization processes.

[0010] Disclosures offering alloying solutions for competing wear mechanisms in oil & gas drilling hardfacing applications include but are not limited to U.S. Patent Nos. 4,277,108; 4,666,797; 6,117,493; 6,326,582; 6,582,126; 7,219,727; and U.S. Patent Publication No. 2002/0054972. U.S. Publication Nos. 2011/0220415 and 2011/004069 disclose an ultra-low friction coating for drill stem assemblies. U.S. Patent Nos. 6,375,895,

7,361,411, 7,569,286, 20040206726, 20080241584, and 2011/0100720 disclose the use of hard alloys for the competing wear mechanisms. Each of the patents and patent applications listed in this paragraph are hereby incorporated by reference in their entirety.

SUMMARY

[0010a] In a first aspect of the invention, there is provided an alloy comprising:
a matrix having a FCC-BCC transition temperature at or below 950K; and
extremely hard particles exhibiting a hardness of 1000 Vickers or greater, the extremely hard particles having:

- an extremely hard particle fraction of 5 mole % or greater; and
- an extremely hard particle melt range of 200K or less

wherein the alloy comprises Fe and, in weight percent:

- C: 2.25 to 4.95;
- Cr: 9 to 18.15;
- Mn: 7.65 to 15.95; and
- V: 9.0 to 17.6.

[0010b] In a second aspect of the invention, there is provided a drill pipe tool joint, drill collar, down hole stabilizer or oilfield component used in directional drilling applications with the alloy according to the first aspect of the invention applied as a hardfacing layer.

[0010c] In a third aspect of the invention, there is provided alloy comprising:

- Fe;
- C: 2.25 to 4.95;
- Cr: 9 to 18.15;
- Mn: 7.65 to 15.95; and
- V: 9.0 to 17.6;

a matrix comprising at least 90% volume fraction austenite; and
extremely hard particles exhibiting a hardness of 1000 Vickers or greater, the extremely hard particles having a fraction of 5 volume % or greater;

wherein the matrix does not contain any extremely hard particles that begin to form at a temperature greater than 200K above a formation temperature of the matrix.

[0010d] In a fourth aspect of the invention, there is provided a drill pipe tool joint, drill collar, down hole stabilizer or oilfield component used in directional drilling applications with the alloy according to the third aspect of the invention applied as a hardfacing layer.

[0011] Embodiments of the present application include but are not limited to hardfacing materials, alloy or powder compositions used to make such hardfacing materials, methods of forming the hardfacing materials, and the components or substrates incorporating or protected by these hardfacing materials.

[0012] Disclosed herein are embodiments of an article of manufacture comprising an alloy forming or configured to form a material comprising a matrix having a FCC-BCC transition temperature at or below about 950K, and extremely hard particles exhibiting a hardness of about 1000 Vickers or greater, the extremely hard particles having an extremely hard particle fraction greater than about 5 mole % or greater, and an extremely hard particle melt range of about 200K or less.

[0013] In some embodiments, the matrix can comprise at least about 7 mole % chromium. In some embodiments, the material can comprise at least about 90% volume fraction austenite in the matrix, a fraction of the extremely hard particles is about 5 volume % or greater, an ASTM G65 abrasion loss of about 1.5g or less, a relative magnetic permeability of about 1.03 μ or lower, and a corrosion resistance of about 5mpy or less in salt water according to ASTM G3 1, wherein the matrix does not contain any extremely hard particles that begin to form at a temperature greater than about 200K above a formation temperature of the matrix.

[0014] In some embodiments, the article of manufacture can further comprise Fe and, in weight percent C: about 1.8 to about 6, Cr: about 0 to about 24.7, Mn: about 0 to about 18, V: about 6 to about 20, Mo: about 0 to about 4, W: about 0 to about 5.2, Ti: about 0 to about 1, Nb: about 0 to about 1, and Ni: about 0 to about 14.

[0015] In some embodiments, the article of manufacture can be a powder. Also disclosed herein are embodiments of a drill pipe tool joint with the article of manufacture described herein applied as a hardfacing layer. Also disclosed herein are embodiments of a

drill collar with the article of manufacture described herein applied as a hardfacing layer. Also disclosed herein are embodiments of a down hole stabilizer with the article of manufacture described herein applied as a hardfacing layer. Also disclosed herein are embodiments of an oilfield component used in directional drilling applications with the article of manufacture described herein applied as a hardfacing layer.

[0016] In some embodiments, the article of manufacture can comprise Fe and, in weight percent, C: about 2.5 to about 4.5, Cr: about 11.5 to about 16.5, Mn: about 8.5 to about 14.5, and V: about 10.0 to about 16.0. In some embodiments, the article of manufacture can comprise Fe and, in weight %:

C: 3.0, Cr: 12.0, Mn: 12.0, V: 15.0;

C: 4.0, Cr: 16.0, Mn: 12.0, V: 15.0;

C: 4.0, Cr: 16.0, Mn: 13.4, V: 15.1;

C: 3.0, Cr: 12.1, Mn: 9.8, V: 14.9;

C: 3.8, Cr: 16.0, Mn: 13.7, V: 14.7;

C: 2.8, Cr: 12.5, Mn: 10.4, V: 15.3;

C: 3.9, Cr: 16.1, Mn: 14.0, V: 15.6;

C: 2.9, Cr: 12.1, Mn: 9.6, V: 14.4;

C: 2.6, Cr: 11.9, Mn: 11.6, V: 10.0; or

C: 2.6, Cr: 11.9, Mn: 8.5, V: 10.6.

[0017] Also disclosed herein are embodiments of an article of manufacture comprising an alloy forming or configured to form a material comprising a matrix comprising at least about 90% volume fraction austenite, extremely hard particles exhibiting a hardness of about 1000 Vickers or greater, the extremely hard particles having a fraction of about 5 volume % or greater, and wherein the matrix does not contain any extremely hard particles that begin to form at a temperature greater than about 200K above a formation temperature of the matrix.

[0018] In some embodiments, the matrix can comprise at least about 7 weight % chromium. In some embodiments, the article of manufacture can comprise Fe and, in weight percent, C: about 1.8 to about 6, Cr: about 0 to about 24.7, Mn: about 0 to about 18, V: about

6 to about 20, Mo: about 0 to about 4, W: about 0 to about 5.2, Ti: about 0 to about 1, Nb: about 0 to about 1, and Ni: about 0 to about 14.

[0019] In some embodiments, the article of manufacture can be a powder. Also disclosed herein are embodiments of a drill pipe tool joint with the article of manufacture described herein applied as a hardfacing layer. Also disclosed herein are embodiments of a drill collar with the article of manufacture described herein applied as a hardfacing layer. Also disclosed herein are embodiments of a down hole stabilizer with the article of manufacture described herein applied as a hardfacing layer. Also disclosed herein are embodiments of an oilfield component used in directional drilling applications with the article of manufacture described herein applied as a hardfacing layer.

[0020] In some embodiments, the article of manufacture can comprise Fe and, in weight percent, C: about 2.5 to about 4.5, Cr: about 11.5 to about 16.5, Mn: about 8.5 to about 14.5, and V: about 10.0 to about 16.0. In some embodiments, the article of manufacture comprises Fe and, in weight %:

C: 3.0, Cr: 12.0, Mn: 12.0, V: 15.0;

C: 4.0, Cr: 16.0, Mn: 12.0, V: 15.0;

C: 4.0, Cr: 16.0, Mn: 13.4, V: 15.1;

C: 3.0, Cr: 12.1, Mn: 9.8, V: 14.9;

C: 3.8, Cr: 16.0, Mn: 13.7, V: 14.7;

C: 2.8, Cr: 12.5, Mn: 10.4, V: 15.3;

C: 3.9, Cr: 16.1, Mn: 14.0, V: 15.6;

C: 2.9, Cr: 12.1, Mn: 9.6, V: 14.4;

C: 2.6, Cr: 11.9, Mn: 11.6, V: 10.0; or

C: 2.6, Cr: 11.9, Mn: 8.5, V: 10.6.

[0021] Also disclosed herein are embodiments of an article of manufacture comprising an alloy forming or configured to form a material comprising an ASTM G65 abrasion loss of about 1.5g or less, a relative magnetic permeability of about 1.03 μ or lower, and a corrosion resistance of about 5mpy or less in salt water according to ASTM G31.

[0022] In some embodiments, the material can be formed as an as-welded hardfacing layer does not exhibit any cracking.

[0023] In some embodiments, the article of manufacture can further comprise Fe and, in weight percent, C: about 1.8 to about 6, Cr: about 0 to about 24.7, Mn: about 0 to about 18, V: about 6 to about 20, Mo: about 0 to about 4, W: about 0 to about 5.2, Ti: about 0 to about 1, Nb: about 0 to about 1, and Ni: about 0 to about 14.

[0024] In some embodiments, the article of manufacture can be a powder. Also disclosed herein are embodiments of a drill pipe tool joint with the article of manufacture described herein applied as a hardfacing layer. Also disclosed herein are embodiments of a drill collar with the article of manufacture described herein applied as a hardfacing layer. Also disclosed herein are embodiments of a down hole stabilizer with the article of manufacture described herein applied as a hardfacing layer. Also disclosed herein are embodiments of an oilfield component used in directional drilling applications with the article of manufacture described herein applied as a hardfacing layer.

[0025] In some embodiments, the article of manufacture can comprise Fe and, in weight percent: C: about 2.5 to about 4.5, Cr: about 11.5 to about 16.5, Mn: about 8.5 to about 14.5, and V: about 10.0 to about 16.0. In some embodiments, the article of manufacture can comprise Fe and, in weight %:

C: 3.0, Cr: 12.0, Mn: 12.0, V: 15.0;
C: 4.0, Cr: 16.0, Mn: 12.0, V: 15.0;
C: 4.0, Cr: 16.0, Mn: 13.4, V: 15.1;
C: 3.0, Cr: 12.1, Mn: 9.8, V: 14.9;
C: 3.8, Cr: 16.0, Mn: 13.7, V: 14.7;
C: 2.8, Cr: 12.5, Mn: 10.4, V: 15.3;
C: 3.9, Cr: 16.1, Mn: 14.0, V: 15.6;
C: 2.9, Cr: 12.1, Mn: 9.6, V: 14.4;
C: 2.6, Cr: 11.9, Mn: 11.6, V: 10.0; or
C: 2.6, Cr: 11.9, Mn: 8.5, V: 10.6.

[0026] Further disclosed herein are embodiments of a drill pipe tool joint, drill collar, down hole stabilizer or oilfield component used in directional drilling applications with the article of manufacture disclosed herein applied as a hardfacing layer.

BRIEF DESCRIPTION OF THE DRAWINGS

[0027] **Figure 1** shows an example equilibrium solidification diagram of an embodiment of a disclosed alloy having the composition of Fe: 58, C:3, Cr: 12, Mn:12, and V:15.

[0028] **Figure 2** shows the equilibrium solidification diagram of Alloy 1 from U.S Patent Publication No. 2015/0275341.

[0029] **Figure 3** microstructure of an embodiment of a disclosed alloy having the composition of Fe: 58, C:3, Cr: 12, Mn:12, and V:15.

DETAILED DESCRIPTION

[0030] Embodiments of this disclosure generally relates to alloys, and the process of their design, which form extremely hard carbides and borides while remaining austenitic when used in a hardfacing process as hardfacing alloys. Hardfacing alloys generally refer to a class of materials which are deposited onto a substrate for the purpose of producing a hard layer resistant to various wear mechanisms: abrasion, impact, erosion, gouging, etc. Embodiments of the disclosure can relate to hardfacing layers and components protected by hardfacing layers made of the alloys described herein. Further, the alloys can be used in common powder manufacturing technologies such as gas atomization, vacuum atomization, and other like processes which are used to make metal powders.

[0031] As disclosed herein, the term alloy can refer to the chemical composition forming the powder disclosed within, the powder itself, and the composition of the metal component formed by the heating and/or deposition of the powder.

[0032] Specifically, in some embodiments computational metallurgy is used to identify alloys which form extremely hard carbides and borides at relatively low temperatures, but also form a non-magnetic, austenitic matrix.

[0033] Embodiments of the disclosed alloys can be used in abrasive wear applications, e.g., exploration wells in crude oil or natural gas fields such as directional bores and the like, and it can be advantageous for the disclosed alloys incorporated into drilling string components including drill stems to be made of materials with magnetic permeability values below about 1.02 or possibly even less than 1.01 (API Specification 7 regarding drill

string components, hereby incorporated by reference in its entirety), in order to be able to follow the exact position of the bore hole and to ascertain and correct deviations from its projected course.

Metal Alloy Composition

[0034] In some embodiments, the alloy can be described by specific compositions, in weight % with Fe making the balance, as presented in Table 1 which have been identified using computational metallurgy and experimentally manufactured successfully.

Table 1: Alloys Successfully Manufactured into Hardfacing Non-Magnetic Powder

Alloy	C	Cr	Mn	V
1	3.0	12.0	12.0	15.0
2	4.0	16.0	12.0	15.0
3	4.0	16.0	13.4	15.1
4	3.0	12.1	9.8	14.9
5	3.8	16.0	13.7	14.7
6	2.8	12.5	10.4	15.3
7	3.9	16.1	14.0	15.6
8	2.9	12.1	9.6	14.4

[0035] In some embodiments, the alloy can be described by compositional ranges in weight % at least partially based on the compositions presented in Table 2 and Table 3 which meet the disclosed thermodynamic parameters and are intended to form an austenitic matrix.

- Fe: Bal
- C: 1.8 to 6 (or about 1.8 to about 6)
- Cr: 0 to 24.7 (or about 0 to about 24.7)
- Mn: 0 to 18 (or about 0 to about 18)
- V: 6 to 20 (or about 6 to about 20)
- Mo: 0 to 4 (or about 0 to about 4)
- W: 0 to 5.2 (or about 0 to about 5.2)
- Ti: 0 to 1 (or about 0 to about 1)
- Nb: 0 to 1 (or about 0 to about 1)

- Ni: 0 to 14 (or about 0 to about 14)

[0036] In some embodiments, the alloy can be described by the compositional ranges in weight %.

- Fe: Bal
- C: 2.5 to 4 (or about 2.5 to about 4)
- Cr: 10.8 to 16 (or about 10.8 to about 16)
- Mn: 9.5 to 14 (or about 9.5 to about 14)
- V: 13.5 to 15 (or about 13.5 to about 15)

[0037] In some embodiments, the alloy can be described by the compositional ranges in weight %.

C: 2.5 to 4.5 (or about 2.5 to about 4.5)

Cr: 11.5 to 16.5 (or about 11.5 to about 16.5)

Mn: 8.5 to 14.5 (or about 8.5 to about 14.5)

V: 10.0 to 16.0 (or about 10.0 to about 16.0)

Table 2: Experimental Alloy Chemistries Produced in Ingot Form

No	C	Mn	Cr	V	Mo	W	Ti	Nb	Ni	Fe
X1	2.8	14	20	10	0	0	0	0	0	53.2
X2	2	8	12	10	0	0	0	0	0	68
X3	2.2	10	14	10	0	0	0	0	0	63.8
X4	4	6	20	10	0	0	0	0	0	60
X5	2	14	12	10	0	0	0	0	0	62
X6	2.4	12	14	6	0	0	0	0	0	65.6
X7	2	14	12	10	2	0	0	0	0	60
X8	2	14	12	10	0	2	0	0	0	60
X9	4	14	12	10	4	0	0	0	0	56
X10	4	14	12	10	0	4	0	0	0	56
X11	4	14	12	10	2	2	0	0	0	56
X12	3.2	14	24	10	0	0	0	0	0	48.8
X13	3.2	14	12	10	0	0	0	0	0	60.8
X14	3.2	14	24	9	0	0	1	0	0	48.8
X15	3.2	14	24	9	0	0	0	1	0	49.8

X16	4	14	12	20	0	0	0	0	0	50
X17	4	18	12	20	0	0	0	0	0	46
X18	2.75	14	0	15	0	0	0	0	0	68.25
X19	3	12.5	0	15	0	0	0	0	0	69.5
X20	3.25	11	5	15	0	0	0	0	0	65.75
X21	4	12	5	15	0	0	0	0	0	64
X22	3	0	11	15	0	0	0	0	14	57
X23	3.5	0	9	15	0	0	0	0	14	58.5
X24	3	12	12	15	0	0	0	0	0	58
X25	4	12	16	15	0	0	0	0	0	53
X26	3	10	12	14	2	0	0	0	0	59
X27	3.5	14	13	15	2	0	0	0	0	52.5
X28	3.2	14	24	10	0	0	0	0	0	48.8
X29	3	12	12	15	0	0	0	0	0	58
X30	2.2	10.6	8.6	10.4	0.8	0	0	0	0	67.4
X31	2.6	10.6	8.6	12	0	0	0	0	0	66.2
X32	4.2	12.2	8.6	6.4	2.4	0	0	0	0	66.2
X33	2.1	13.5	13.3	8	0	0	0	0	.5	62.6
X34	2.1	11	13.3	8.5	0	0	0	0	.5	64.6

Table 3: Measured Alloy Chemistries, via Glow Discharge Spectrometry, for Selected
Experimental Ingots

No	C	Mn	Cr	V	Mo	W	Ti	Nb	Ni	Fe
X1	2.6	14	20.6	10	0	0	0	0	0	52.8
X2	1.9	8	14	10	0	0	0	0	0	66.1
X3	2.1	9.6	15.3	10	0	0	0	0	0	63
X4	3.6	6.2	20.8	10	0	0	0	0	0	59.4
X5	1.8	13.6	13.4	10	0	0	0	0	0	61.2
X6	2.2	11.4	14.5	6	0	0	0	0	0	65.9
X7	2.2	14	13	10	3.2	0	0	0	0	57.6
X8	2.1	14.2	12.6	10	0	2	0	0	0	59.1
X9	5.4	14.5	13	10	3.3	0	0	0	0	53.8
X10	2.1	13.2	11.7	11	0	5.2	0	0	0	56.8
X11	6	13.6	10.3	9.5	2.9	1.7	0	0	0	56
X12	3.6	16.8	17.3	10	0	0	0	0	0	52.3
X13	3.4	15	12.2	10	0	0	0	0	0	59.4
X14	3	14.6	23.3	9	0	0	1	0	0	49.1
X15	2.9	15.2	20	9	0	0	0	1	0	51.9
X16	3.6	12.6	11	18	0	0	0	0	0	54.8
X17	4	12.8	10	20	0	0	0	0	0	53.2

X18	1.8	13.6	0	15	0	0	0	0	0	69.6
X19	2.7	11.2	0	15	0	0	0	0	0	71.1
X20	2.7	11.2	7.4	15	0	0	0	0	0	63.7
X21	4.1	10.5	7.2	15	0	0	0	0	0	63.2
X22	2.8	0	17.4	15	0	0	0	0	13	51.8
X23	3.3	0	8.8	15	0	0	0	0	13	59.9
X24	3.1	12.2	13.9	13.8	0	0	0	0	0	57
X25	3.6	12.2	16.6	12.6	0	0	0	0	0	55
X26	3.1	10.1	14	13.1	3.6	0	0	0	0	56.1
X27	3.3	14.3	14.3	10.9	3.5	0	0	0	0	53.7
X28	3.5	12.2	24.7	10	0	0	0	0	0	49.6
X29	3	11.7	13.8	13.3	0	0	0	0	0	58.2
X30	2.4	9.4	10.4	9.7	2.1	0	0	0	0	66
X31	2.7	10.2	10.4	10.7	0	0	0	0	0	66
X32	4.2	12.2	8.6	6.4	2.4	0	0	0	0	66.2

[0038] The Fe content identified in all of the compositions described in the above paragraphs may be the balance of the composition as indicated above, or alternatively, the balance of the composition may comprise Fe and other elements. In some embodiments, the balance may consist essentially of Fe and may include incidental impurities.

Thermodynamic Criteria

[0039] In some embodiments, the alloys can be fully defined by one or more thermodynamic criteria which are used to accurately predict their properties, performance, and manufacturability. These thermodynamic criteria are demonstrated in **Figure 1** for an alloy having the composition of Fe: 58, C:3, Cr: 12, Mn:12, and V:15.

[0040] A first thermodynamic criterion is related to the FCC-BCC transition temperature of the ferrous matrix in the alloys. The FCC-BCC transition temperature **[101]** is defined as the temperature where the mole fraction of the FCC phase (austenite) begins to drop with decreasing temperature, and the mole fraction of the BCC phase (ferrite) is now greater than 0 mole%. The FCC-BCC transition temperature is an indicator of the final phase of the alloy's matrix.

[0041] In some embodiments, the FCC-BCC transition temperature can be at or below 950K (or at or below about 950K). In some embodiments, the FCC-BCC transition

temperature can be at or below 900K (or at or below about 900K). In some embodiments, the FCC-BCC transition temperature can be at or below 850K (or at or below about 850K).

[0042] A second thermodynamic criterion is related to the total concentration of extremely hard particles in the microstructure. Extremely hard particles can be defined as carbides, borides, or borocarbides. As the mole fraction of extremely hard particles **[102]** is increased, the bulk hardness of the alloy increases, thus the wear resistance will also increase and is can be advantageous for hardfacing applications. For the purposes of this disclosure, extremely hard particles are defined as phases that exhibit a hardness of 1000 Vickers (or about 1000 Vickers) or greater. The total concentration of extremely hard particles is defined as the total mole% of all phases which meets or exceeds a hardness of 1000 Vickers (or about 1000 Vickers) which is thermodynamically stable at 1300K (or about 1300K) in the alloy.

[0043] In some embodiments, the hard particle fraction can be 5 mole % (or about 5 mole %) or greater. In some embodiments, the hard particle fraction can be 10 mole % (or about 10 mole %) or greater. In some embodiments, the hard particle fraction can be 15 mole % (or about 15 mole %) or greater.

[0044] A third thermodynamic criterion is related to the formation temperature of the extremely hard particles during the solidification process from a 100% liquid state. The extremely hard particles precipitate out of the liquid at elevated temperatures, which creates a variety of problems in the powder manufacturing process including but not limited to powder clogging, increased viscosity, lower yields at desired powder sizes, and improper particle shape. Thus, it can be advantageous for powder manufacturing purposes to reduce the formation temperature of extremely hard particles.

[0045] The extremely hard particle formation temperature is defined as the highest temperature at which a hard phase is thermodynamically present in the alloy. This temperature is compared against the formation temperature of the iron matrix phase, and used to calculate the melt range. The melt range **[103]** is simply defined as the extremely hard particle formation temperature minus the matrix formation temperature. It can be advantageous for the powder manufacturing process to minimize this melt range.

[0046] In some embodiments, the melt range can be 200K (or about 200K) or lower. In some embodiments, the melt range can be 150K (or about 150K) or lower. In some embodiments, the melt range can be 100K (or about 100K) or lower.

[0047] **Figure 2** demonstrates the thermodynamic phase diagram for an alloy disclosed in U.S Patent Publication No. 2015/0275341. As shown, the melt range [201] of this alloy is much larger than the melt range thermodynamic criteria disclosed herein. Thus, this alloy may have difficulty for using in a powder atomization process.

[0048] In some embodiments, it can be advantageous for the alloy to have an increased resistance to corrosion to prevent rust formation. In such embodiments, an additional thermodynamic criterion can be utilized. This criterion is the chromium content in the Fe-based matrix phase, at 1300K (or about 1300K). This criterion is designated as the matrix chromium content. In some embodiments, the matrix chromium content can be 7 mole % (or about 7 mole %) or greater. In some embodiments, the matrix chromium content can be 10 mole % (or about 10 mole %) or greater. In some embodiments, the matrix chromium content can be 12 mole % (or about 12 mole %) or greater.

[0049] Table 4 illustrates a number of different example compositions of this disclosure which satisfy some or all of the above-described thermodynamic criteria. As shown in the table, for the composition in wt. %: C:2-4, Cr: 7-16.6, Fe: 37-71.8, Mn: 0-18, Mo: 0-10, Ni: 0-14, V: 8-20, W:0-10, and thermodynamic properties: FCC-BCC transition temperature (Column A): 700-950K, Matrix Cr Content mole % (Column B): 7.0-17.0, Hard Phase Mole % (Column C): 5.3-34.8, and Hard Phase Melt Range (Column D): -50-200K.

Table 4: Alloy Compositions and Thermodynamic Criteria

No	C	Cr	Fe	Mn	Mo	Ni	V	W	A	B	C	D
M1	4	16	61.2	0	0	3.8	15	0	950	10.6%	22.2%	0
M2	4	16	60.8	0	0	4.2	15	0	950	10.6%	22.3%	0
M3	4	9	62.5	0	0	4.5	20	0	950	9.9%	34.7%	150
M4	4	12	59.5	0	0	4.5	20	0	950	12.8%	33.2%	150
M5	4	16	60.2	0	0	4.8	15	0	950	10.6%	22.3%	50
M6	3.75	9	62.25	0	0	5	20	0	950	10.1%	33.3%	100
M7	4	11	60	0	0	5	20	0	950	12.2%	34.0%	150
M8	4	13	58	0	0	5	20	0	950	13.4%	32.9%	100
M9	3	12	64.8	0	0	5.2	15	0	950	12.4%	25.1%	0

M10	4	16	59.6	0	0	5.4	15	0	950	10.5%	22.4%	50
M11	3.75	9	61.75	0	0	5.5	20	0	950	10.1%	33.3%	100
M12	4	10	60.5	0	0	5.5	20	0	950	11.0%	34.8%	150
M13	4	12	58.5	0	0	5.5	20	0	950	12.8%	33.2%	150
M14	3	12	64.4	0	0	5.6	15	0	950	12.4%	25.1%	0
M15	4	16	59.2	0	0	5.8	15	0	900	10.8%	22.4%	50
M16	3.75	9	61.25	0	0	6	20	0	950	10.1%	33.4%	100
M17	3.75	11	59.25	0	0	6	20	0	950	12.5%	33.3%	150
M18	3.75	12	58.25	0	0	6	20	0	950	13.6%	33.0%	100
M19	4	13	57	0	0	6	20	0	950	13.4%	32.9%	150
M20	3	12	63.8	0	0	6.2	15	0	950	12.4%	25.1%	0
M21	4	16	58.6	0	0	6.4	15	0	900	10.8%	22.4%	50
M22	3	12	63.2	0	0	6.8	15	0	950	12.3%	25.1%	0
M23	4	16	58	0	0	7	15	0	900	10.7%	22.5%	50
M24	3	12	62.6	0	0	7.4	15	0	900	12.3%	25.2%	0
M25	4	16	57.4	0	0	7.6	15	0	900	10.7%	22.5%	50
M26	2.5	8	66.5	0	0	8	15	0	950	8.7%	23.4%	0
M27	2.5	9	65.5	0	0	8	15	0	950	9.8%	23.4%	-50
M28	4	9	64	0	0	8	15	0	900	7.1%	28.5%	150
M29	3.5	10	63.5	0	0	8	15	0	900	9.3%	26.9%	100
M30	3	11	63	0	0	8	15	0	900	11.7%	25.9%	50
M31	2.5	12	62.5	0	0	8	15	0	950	13.2%	23.3%	0
M32	3.5	12	61.5	0	0	8	15	0	900	10.4%	25.3%	50
M33	3.5	13	60.5	0	0	8	15	0	900	10.9%	24.5%	50
M34	3.5	14	59.5	0	0	8	15	0	900	11.5%	23.8%	50
M35	3.5	15	58.5	0	0	8	15	0	900	11.9%	23.0%	50
M36	3.5	16	57.5	0	0	8	15	0	900	12.6%	22.2%	0
M37	3	12	61.8	0	0	8.2	15	0	900	12.3%	25.2%	50
M38	4	16	56.6	0	0	8.4	15	0	900	10.6%	22.6%	50
M39	3.5	8	65	0	0	8.5	15	0	900	7.9%	28.6%	50
M40	3.5	9	64	0	0	8.5	15	0	900	8.7%	27.7%	50
M41	3	10	63.5	0	0	8.5	15	0	900	10.6%	26.7%	0
M42	2.5	11	63	0	0	8.5	15	0	950	12.0%	23.4%	0
M43	4	11	61.5	0	0	8.5	15	0	900	8.0%	26.8%	100
M44	3.5	12	61	0	0	8.5	15	0	900	10.3%	25.3%	50
M45	3	13	60.5	0	0	8.5	15	0	900	12.9%	24.5%	0
M46	3	14	59.5	0	0	8.5	15	0	900	13.5%	24.0%	0
M47	3	15	58.5	0	0	8.5	15	0	900	14.2%	23.6%	0
M48	3	16	57.5	0	0	8.5	15	0	900	14.8%	22.8%	0
M49	3	12	61.4	0	0	8.6	15	0	900	12.3%	25.2%	50
M50	4	16	56.2	0	0	8.8	15	0	850	10.6%	22.7%	50

M51	3.5	8	64.5	0	0	9	15	0	900	7.9%	28.6%	100
M52	3.5	9	63.5	0	0	9	15	0	900	8.7%	27.8%	50
M53	3	10	63	0	0	9	15	0	900	10.6%	26.7%	0
M54	2.5	11	62.5	0	0	9	15	0	950	12.0%	23.4%	0
M55	4	11	61	0	0	9	15	0	900	8.0%	26.8%	100
M56	3	12	61	0	0	9	15	0	900	12.3%	25.2%	50
M57	2.5	13	60.5	0	0	9	15	0	950	14.3%	23.3%	0
M58	4	13	59	0	0	9	15	0	900	9.0%	25.1%	100
M59	3.5	14	58.5	0	0	9	15	0	900	11.5%	23.8%	50
M60	3.5	15	57.5	0	0	9	15	0	850	11.9%	23.1%	50
M61	3.5	16	56.5	0	0	9	15	0	850	12.5%	22.3%	50
M62	3	12	60.8	0	0	9.2	15	0	900	12.3%	25.2%	50
M63	4	16	55.6	0	0	9.4	15	0	850	10.6%	22.7%	50
M64	3.5	8	64	0	0	9.5	15	0	900	7.9%	28.6%	100
M65	3.5	9	63	0	0	9.5	15	0	900	8.6%	27.8%	50
M66	3.5	10	62	0	0	9.5	15	0	900	9.2%	27.0%	100
M67	3	11	61.5	0	0	9.5	15	0	900	11.7%	26.0%	50
M68	2.5	12	61	0	0	9.5	15	0	950	13.2%	23.4%	0
M69	4	12	59.5	0	0	9.5	15	0	850	8.5%	26.0%	100
M70	3.5	13	59	0	0	9.5	15	0	850	10.9%	24.6%	50
M71	3	14	58.5	0	0	9.5	15	0	900	13.5%	23.9%	0
M72	2.5	15	58	0	0	9.5	15	0	950	16.4%	22.1%	-50
M73	4	15	56.5	0	0	9.5	15	0	850	10.0%	23.5%	100
M74	3.5	16	56	0	0	9.5	15	0	850	12.5%	22.3%	50
M75	4	16	55.4	0	0	9.6	15	0	850	10.6%	22.7%	50
M76	2.5	8	64.5	0	0	10	15	0	900	8.7%	23.5%	0
M77	2.5	9	63.5	0	0	10	15	0	900	9.8%	23.5%	0
M78	2.5	10	62.5	0	0	10	15	0	900	10.9%	23.4%	-50
M79	4	10	61	0	0	10	15	0	850	7.4%	27.8%	150
M80	3.5	11	60.5	0	0	10	15	0	850	9.7%	26.2%	100
M81	3	12	60	0	0	10	15	0	900	12.2%	25.3%	50
M82	4	12	59	0	0	10	15	0	850	8.4%	26.0%	100
M83	3.5	13	58.5	0	0	10	15	0	850	10.9%	24.7%	50
M84	3	14	58	0	0	10	15	0	900	13.5%	23.9%	0
M85	2.5	15	57.5	0	0	10	15	0	950	16.4%	22.2%	-50
M86	4	15	56	0	0	10	15	0	850	10.0%	23.6%	100
M87	3.5	16	55.5	0	0	10	15	0	850	12.5%	22.4%	50
M88	3	12	59.8	0	0	10.2	15	0	850	12.2%	25.3%	50
M89	4	16	54.6	0	0	10.4	15	0	850	10.6%	22.8%	50
M90	3.5	8	63	0	0	10.5	15	0	850	7.9%	28.7%	100
M91	3.5	9	62	0	0	10.5	15	0	850	8.6%	27.9%	50

M92	3.5	10	61	0	0	10.5	15	0	850	9.1%	27.1%	50
M93	3	11	60.5	0	0	10.5	15	0	850	11.7%	26.0%	0
M94	2.5	12	60	0	0	10.5	15	0	900	13.1%	23.4%	0
M95	4	12	58.5	0	0	10.5	15	0	850	8.4%	26.1%	100
M96	3.5	13	58	0	0	10.5	15	0	850	10.8%	24.7%	50
M97	3	14	57.5	0	0	10.5	15	0	850	13.5%	23.8%	0
M98	2.5	15	57	0	0	10.5	15	0	950	16.4%	22.2%	-50
M99	4	15	55.5	0	0	10.5	15	0	850	10.0%	23.6%	100
M100	3.5	16	55	0	0	10.5	15	0	850	12.6%	22.4%	50
M101	4	16	54.4	0	0	10.6	15	0	850	10.6%	22.8%	100
M102	2.5	8	63.5	0	0	11	15	0	900	8.7%	23.5%	0
M103	2.5	9	62.5	0	0	11	15	0	900	9.8%	23.5%	0
M104	2.5	10	61.5	0	0	11	15	0	900	10.9%	23.5%	0
M105	4	10	60	0	0	11	15	0	850	7.4%	27.9%	150
M106	3.5	11	59.5	0	0	11	15	0	850	9.7%	26.3%	100
M107	3	12	59	0	0	11	15	0	850	12.3%	25.3%	50
M108	4	12	58	0	0	11	15	0	850	8.4%	26.1%	150
M109	3.5	13	57.5	0	0	11	15	0	850	10.8%	24.7%	100
M110	3	14	57	0	0	11	15	0	850	13.5%	23.8%	50
M111	2.5	15	56.5	0	0	11	15	0	900	16.4%	22.3%	-50
M112	4	15	55	0	0	11	15	0	850	10.0%	23.7%	100
M113	3.5	16	54.5	0	0	11	15	0	850	12.6%	22.4%	50
M114	3	12	58.8	0	0	11.2	15	0	850	12.3%	25.3%	50
M115	4	16	53.6	0	0	11.4	15	0	850	10.5%	22.9%	100
M116	3.5	8	62	0	0	11.5	15	0	850	7.8%	28.8%	100
M117	3.5	9	61	0	0	11.5	15	0	850	8.6%	28.0%	100
M118	3.5	10	60	0	0	11.5	15	0	850	9.1%	27.1%	50
M119	3	11	59.5	0	0	11.5	15	0	850	11.7%	26.1%	0
M120	2.5	12	59	0	0	11.5	15	0	900	13.1%	23.4%	0
M121	4	12	57.5	0	0	11.5	15	0	850	8.4%	26.2%	150
M122	3.5	13	57	0	0	11.5	15	0	850	10.8%	24.8%	100
M123	3	14	56.5	0	0	11.5	15	0	850	13.5%	23.9%	50
M124	2.5	15	56	0	0	11.5	15	0	900	16.4%	22.3%	0
M125	4	15	54.5	0	0	11.5	15	0	850	10.0%	23.7%	100
M126	4	16	53.5	0	0	11.5	15	0	850	10.5%	22.9%	100
M127	3	12	58.2	0	0	11.8	15	0	850	12.3%	25.4%	50
M128	2.5	8	62.5	0	0	12	15	0	900	8.7%	23.5%	0
M129	2	9	62	0	0	12	15	0	950	9.8%	19.7%	-50
M130	3.5	9	60.5	0	0	12	15	0	850	8.5%	28.0%	100
M131	3	10	60	0	0	12	15	0	850	10.6%	26.9%	50
M132	2	11	60	0	0	12	15	0	950	12.0%	19.6%	0

M133	3.5	11	58.5	0	0	12	15	0	850	9.6%	26.4%	100
M134	2.5	12	58.5	0	0	12	15	0	900	13.1%	23.5%	0
M135	3.5	12	57.5	0	0	12	15	0	850	10.2%	25.6%	100
M136	2.5	13	57.5	0	0	12	15	0	900	14.3%	23.4%	0
M137	4	13	56	0	0	12	15	0	850	8.9%	25.4%	100
M138	3.5	14	55.5	0	0	12	15	0	850	11.4%	24.0%	50
M139	3	15	55	0	0	12	15	0	850	14.1%	23.6%	0
M140	2.5	16	54.5	0	0	12	15	0	900	17.0%	21.5%	-50
M141	4	16	53	0	0	12	15	0	800	10.5%	23.0%	100
M142	4	16	52.8	0	0	12.2	15	0	800	10.5%	23.0%	100
M143	2	8	62.5	0	0	12.5	15	0	950	8.8%	19.7%	-50
M144	3.5	8	61	0	0	12.5	15	0	850	7.8%	28.9%	100
M145	3	9	60.5	0	0	12.5	15	0	850	9.5%	26.9%	50
M146	2.5	10	60	0	0	12.5	15	0	900	10.9%	23.5%	0
M147	4	10	58.5	0	0	12.5	15	0	850	7.3%	28.1%	150
M148	3	11	58.5	0	0	12.5	15	0	850	11.6%	26.1%	0
M149	2	12	58.5	0	0	12.5	15	0	950	13.1%	19.6%	-50
M150	3.5	12	57	0	0	12.5	15	0	850	10.2%	25.6%	100
M151	2.5	13	57	0	0	12.5	15	0	900	14.3%	23.5%	0
M152	4	13	55.5	0	0	12.5	15	0	850	8.8%	25.4%	150
M153	3	14	55.5	0	0	12.5	15	0	850	13.5%	23.9%	50
M154	2.5	15	55	0	0	12.5	15	0	900	16.4%	22.4%	0
M155	4	15	53.5	0	0	12.5	15	0	800	9.9%	23.8%	100
M156	3.5	16	53	0	0	12.5	15	0	800	12.6%	22.5%	50
M157	4	16	52.4	0	0	12.6	15	0	800	10.5%	23.0%	100
M158	2	8	62	0	0	13	15	0	950	8.8%	19.7%	-50
M159	3.5	8	60.5	0	0	13	15	0	850	7.8%	28.9%	100
M160	3	9	60	0	0	13	15	0	850	9.5%	26.9%	50
M161	2.5	10	59.5	0	0	13	15	0	850	10.9%	23.5%	0
M162	4	10	58	0	0	13	15	0	850	7.3%	28.1%	150
M163	3	11	58	0	0	13	15	0	850	11.6%	26.2%	50
M164	2	12	58	0	0	13	15	0	900	13.1%	19.6%	-50
M165	3	12	57	0	0	13	15	0	850	12.3%	25.4%	0
M166	2	13	57	0	0	13	15	0	900	14.3%	19.6%	-50
M167	3.5	13	55.5	0	0	13	15	0	800	10.8%	24.9%	100
M168	2.5	14	55.5	0	0	13	15	0	900	15.4%	23.2%	0
M169	4	14	54	0	0	13	15	0	800	9.4%	24.7%	100
M170	3.5	15	53.5	0	0	13	15	0	800	11.9%	23.3%	50
M171	3	16	53	0	0	13	15	0	850	14.7%	23.3%	0
M172	4	16	52	0	0	13	15	0	800	10.5%	23.0%	100
M173	3	12	56.6	0	0	13.4	15	0	850	12.3%	25.5%	0

M174	2.5	8	61	0	0	13.5	15	0	850	8.7%	23.6%	0
M175	2	9	60.5	0	0	13.5	15	0	900	9.8%	19.7%	-50
M176	3.5	9	59	0	0	13.5	15	0	850	8.5%	28.1%	100
M177	3	10	58.5	0	0	13.5	15	0	850	10.6%	26.9%	50
M178	2	11	58.5	0	0	13.5	15	0	900	12.0%	19.6%	-50
M179	3.5	11	57	0	0	13.5	15	0	800	9.6%	26.5%	50
M180	2.5	12	57	0	0	13.5	15	0	850	13.1%	23.5%	0
M181	4	12	55.5	0	0	13.5	15	0	800	8.3%	26.4%	150
M182	3	13	55.5	0	0	13.5	15	0	850	12.9%	24.7%	50
M183	2	14	55.5	0	0	13.5	15	0	900	15.4%	19.6%	-50
M184	3.5	14	54	0	0	13.5	15	0	800	11.3%	24.1%	100
M185	2.5	15	54	0	0	13.5	15	0	850	16.4%	22.5%	0
M186	4	15	52.5	0	0	13.5	15	0	800	9.9%	23.9%	100
M187	3.5	16	52	0	0	13.5	15	0	800	12.5%	22.6%	50
M188	4	16	51.4	0	0	13.6	15	0	800	10.5%	23.1%	100
M189	2	8	61	0	0	14	15	0	900	8.8%	19.7%	-50
M190	3.5	8	59.5	0	0	14	15	0	850	7.7%	29.0%	100
M191	3	9	59	0	0	14	15	0	850	9.5%	27.0%	50
M192	2.5	10	58.5	0	0	14	15	0	850	10.9%	23.6%	0
M193	2	11	58	0	0	14	15	0	900	12.0%	19.6%	-50
M194	4	11	56	0	0	14	15	0	800	7.8%	27.3%	150
M195	3	12	56	0	0	14	15	0	800	12.2%	25.5%	0
M196	4	12	55	0	0	14	15	0	800	8.3%	26.5%	150
M197	3	13	55	0	0	14	15	0	800	12.8%	24.7%	50
M198	2	14	55	0	0	14	15	0	850	15.4%	19.6%	-50
M199	3.5	14	53.5	0	0	14	15	0	800	11.3%	24.2%	100
M200	2.5	15	53.5	0	0	14	15	0	850	16.4%	22.5%	0
M201	4	15	52	0	0	14	15	0	800	9.9%	24.0%	100
M202	3.5	16	51.5	0	0	14	15	0	800	12.5%	22.6%	50
M203	4	16	61.6	0.2	0	3.2	15	0	950	10.7%	22.2%	0
M204	4	16	61	0.2	0	3.8	15	0	950	10.6%	22.2%	0
M205	4	16	60.4	0.2	0	4.4	15	0	950	10.6%	22.3%	50
M206	3	12	65	0.2	0	4.8	15	0	950	12.4%	25.1%	0
M207	4	16	59.8	0.2	0	5	15	0	950	10.6%	22.3%	50
M208	3	12	64.4	0.2	0	5.4	15	0	950	12.4%	25.1%	0
M209	4	16	59.2	0.2	0	5.6	15	0	900	10.5%	22.4%	50
M210	3	12	63.8	0.2	0	6	15	0	950	12.4%	25.1%	0
M211	4	16	58.6	0.2	0	6.2	15	0	900	10.8%	22.4%	50
M212	3	12	63.2	0.2	0	6.6	15	0	950	12.4%	25.1%	0
M213	4	16	58	0.2	0	6.8	15	0	900	10.7%	22.5%	50
M214	3	12	62.6	0.2	0	7.2	15	0	900	12.3%	25.2%	0

M215	4	16	57.4	0.2	0	7.4	15	0	900	10.7%	22.5%	50
M216	3	12	62	0.2	0	7.8	15	0	900	12.3%	25.2%	0
M217	4	16	56.8	0.2	0	8	15	0	900	10.7%	22.6%	50
M218	3	12	61.4	0.2	0	8.4	15	0	900	12.3%	25.2%	50
M219	4	16	56.2	0.2	0	8.6	15	0	850	10.6%	22.6%	50
M220	3	12	60.8	0.2	0	9	15	0	900	12.3%	25.2%	50
M221	4	16	55.6	0.2	0	9.2	15	0	850	10.6%	22.7%	50
M222	3	12	60.2	0.2	0	9.6	15	0	900	12.3%	25.3%	50
M223	4	16	55	0.2	0	9.8	15	0	850	10.6%	22.7%	50
M224	3	12	59.6	0.2	0	10.2	15	0	850	12.2%	25.3%	50
M225	4	16	54.4	0.2	0	10.4	15	0	850	10.6%	22.8%	100
M226	3	12	59	0.2	0	10.8	15	0	850	12.3%	25.3%	50
M227	4	16	53.8	0.2	0	11	15	0	850	10.5%	22.8%	100
M228	3	12	58.4	0.2	0	11.4	15	0	850	12.3%	25.3%	50
M229	4	16	53.2	0.2	0	11.6	15	0	850	10.5%	22.9%	100
M230	3	12	57.8	0.2	0	12	15	0	850	12.3%	25.4%	50
M231	4	16	52.6	0.2	0	12.2	15	0	800	10.5%	23.0%	100
M232	3	12	57.2	0.2	0	12.6	15	0	850	12.3%	25.4%	50
M233	4	16	52	0.2	0	12.8	15	0	800	10.5%	23.0%	100
M234	3	12	56.6	0.2	0	13.2	15	0	850	12.2%	25.4%	0
M235	4	16	51.4	0.2	0	13.4	15	0	800	10.5%	23.1%	100
M236	3	12	56	0.2	0	13.8	15	0	850	12.2%	25.5%	0
M237	4	16	50.8	0.2	0	14	15	0	800	10.4%	23.1%	100
M238	4	16	61.2	0.4	0	3.4	15	0	950	10.7%	22.2%	0
M239	4	16	60.6	0.4	0	4	15	0	950	10.6%	22.2%	0
M240	3	12	65	0.4	0	4.6	15	0	950	12.4%	25.1%	0
M241	4	16	59.8	0.4	0	4.8	15	0	950	10.6%	22.3%	50
M242	3	12	64.4	0.4	0	5.2	15	0	950	12.4%	25.1%	0
M243	4	16	59.2	0.4	0	5.4	15	0	900	10.5%	22.4%	50
M244	3	12	63.8	0.4	0	5.8	15	0	950	12.4%	25.1%	0
M245	4	16	58.6	0.4	0	6	15	0	900	10.5%	22.4%	50
M246	3	12	63.2	0.4	0	6.4	15	0	950	12.4%	25.1%	0
M247	4	16	58	0.4	0	6.6	15	0	900	10.7%	22.4%	50
M248	3	12	62.6	0.4	0	7	15	0	900	12.3%	25.1%	0
M249	4	16	57.4	0.4	0	7.2	15	0	900	10.7%	22.5%	50
M250	3	12	62	0.4	0	7.6	15	0	900	12.3%	25.2%	0
M251	4	16	56.8	0.4	0	7.8	15	0	900	10.7%	22.5%	50
M252	3	12	61.4	0.4	0	8.2	15	0	900	12.3%	25.2%	50
M253	4	16	56.2	0.4	0	8.4	15	0	850	10.6%	22.6%	50
M254	3	12	60.8	0.4	0	8.8	15	0	900	12.3%	25.2%	50
M255	4	16	55.6	0.4	0	9	15	0	850	10.6%	22.6%	50

M256	3	12	60.2	0.4	0	9.4	15	0	900	12.3%	25.2%	50
M257	4	16	55	0.4	0	9.6	15	0	850	10.6%	22.7%	50
M258	3	12	59.6	0.4	0	10	15	0	850	12.2%	25.3%	50
M259	4	16	54.4	0.4	0	10.2	15	0	850	10.6%	22.8%	50
M260	3	12	59	0.4	0	10.6	15	0	850	12.2%	25.3%	50
M261	4	16	53.8	0.4	0	10.8	15	0	850	10.5%	22.8%	100
M262	3	12	58.4	0.4	0	11.2	15	0	850	12.3%	25.3%	50
M263	4	16	53.2	0.4	0	11.4	15	0	850	10.5%	22.9%	100
M264	3	12	57.8	0.4	0	11.8	15	0	850	12.3%	25.4%	50
M265	4	16	52.6	0.4	0	12	15	0	800	10.5%	22.9%	100
M266	3	12	57.2	0.4	0	12.4	15	0	850	12.3%	25.4%	50
M267	4	16	52	0.4	0	12.6	15	0	800	10.5%	23.0%	100
M268	3	12	56.6	0.4	0	13	15	0	850	12.2%	25.4%	50
M269	4	16	51.4	0.4	0	13.2	15	0	800	10.4%	23.0%	100
M270	3	12	56	0.4	0	13.6	15	0	850	12.2%	25.4%	0
M271	4	16	50.8	0.4	0	13.8	15	0	800	10.4%	23.1%	100
M272	4	16	61.6	0.6	0	2.8	15	0	950	10.7%	22.1%	0
M273	4	16	61	0.6	0	3.4	15	0	950	10.7%	22.2%	0
M274	4	16	60.4	0.6	0	4	15	0	950	10.6%	22.2%	0
M275	4	16	60	0.6	0	4.4	15	0	950	10.6%	22.3%	50
M276	3	12	64.6	0.6	0	4.8	15	0	950	12.4%	25.1%	0
M277	4	16	59.4	0.6	0	5	15	0	950	10.6%	22.3%	50
M278	3	12	64	0.6	0	5.4	15	0	950	12.4%	25.1%	0
M279	4	16	58.8	0.6	0	5.6	15	0	900	10.5%	22.4%	50
M280	3	12	63.4	0.6	0	6	15	0	950	12.4%	25.1%	0
M281	4	16	58.2	0.6	0	6.2	15	0	900	10.5%	22.4%	50
M282	3	12	62.8	0.6	0	6.6	15	0	900	12.3%	25.1%	0
M283	4	16	57.6	0.6	0	6.8	15	0	900	10.7%	22.5%	50
M284	3	12	62.2	0.6	0	7.2	15	0	900	12.3%	25.1%	0
M285	4	16	57	0.6	0	7.4	15	0	900	10.7%	22.5%	50
M286	3	12	61.6	0.6	0	7.8	15	0	900	12.3%	25.2%	0
M287	4	16	56.4	0.6	0	8	15	0	900	10.6%	22.6%	50
M288	3	12	61	0.6	0	8.4	15	0	900	12.3%	25.2%	50
M289	4	16	55.8	0.6	0	8.6	15	0	850	10.6%	22.6%	50
M290	3	12	60.4	0.6	0	9	15	0	900	12.3%	25.2%	50
M291	4	16	55.2	0.6	0	9.2	15	0	850	10.6%	22.7%	50
M292	3	12	59.8	0.6	0	9.6	15	0	900	12.2%	25.2%	50
M293	4	16	54.6	0.6	0	9.8	15	0	850	10.6%	22.7%	50
M294	3	12	59.2	0.6	0	10.2	15	0	850	12.2%	25.3%	50
M295	4	16	54	0.6	0	10.4	15	0	850	10.5%	22.8%	100
M296	3	12	58.6	0.6	0	10.8	15	0	850	12.2%	25.3%	50

M297	4	16	53.4	0.6	0	11	15	0	850	10.5%	22.8%	100
M298	3	12	58	0.6	0	11.4	15	0	850	12.3%	25.3%	50
M299	4	16	52.8	0.6	0	11.6	15	0	850	10.5%	22.9%	100
M300	3	12	57.4	0.6	0	12	15	0	850	12.3%	25.4%	50
M301	4	16	52.2	0.6	0	12.2	15	0	800	10.5%	22.9%	100
M302	3	12	56.8	0.6	0	12.6	15	0	850	12.2%	25.4%	50
M303	4	16	51.6	0.6	0	12.8	15	0	800	10.4%	23.0%	100
M304	3	12	56.2	0.6	0	13.2	15	0	850	12.2%	25.4%	50
M305	4	16	51	0.6	0	13.4	15	0	800	10.4%	23.0%	100
M306	3	12	55.6	0.6	0	13.8	15	0	800	12.2%	25.4%	0
M307	4	16	50.4	0.6	0	14	15	0	800	10.4%	23.1%	100
M308	4	16	61.2	0.8	0	3	15	0	950	10.7%	22.2%	0
M309	4	16	60.6	0.8	0	3.6	15	0	950	10.6%	22.2%	0
M310	3	12	65	0.8	0	4.2	15	0	950	12.5%	25.0%	0
M311	4	16	59.8	0.8	0	4.4	15	0	950	10.6%	22.3%	50
M312	3	12	64.4	0.8	0	4.8	15	0	950	12.4%	25.1%	0
M313	4	16	59.2	0.8	0	5	15	0	900	10.6%	22.3%	50
M314	3	12	63.8	0.8	0	5.4	15	0	950	12.4%	25.1%	0
M315	4	16	58.6	0.8	0	5.6	15	0	900	10.5%	22.4%	50
M316	3	12	63.2	0.8	0	6	15	0	950	12.4%	25.1%	0
M317	4	16	58	0.8	0	6.2	15	0	900	10.5%	22.4%	50
M318	3	12	62.6	0.8	0	6.6	15	0	900	12.3%	25.1%	0
M319	4	16	57.4	0.8	0	6.8	15	0	900	10.5%	22.4%	50
M320	3	12	62	0.8	0	7.2	15	0	900	12.3%	25.1%	0
M321	4	16	56.8	0.8	0	7.4	15	0	900	10.7%	22.5%	50
M322	3	12	61.4	0.8	0	7.8	15	0	900	12.3%	25.2%	50
M323	4	16	56.2	0.8	0	8	15	0	850	10.6%	22.5%	50
M324	3	12	60.8	0.8	0	8.4	15	0	900	12.3%	25.2%	50
M325	4	16	55.6	0.8	0	8.6	15	0	850	10.6%	22.6%	50
M326	3	12	60.2	0.8	0	9	15	0	900	12.3%	25.2%	50
M327	4	16	55	0.8	0	9.2	15	0	850	10.6%	22.6%	50
M328	3	12	59.6	0.8	0	9.6	15	0	900	12.2%	25.2%	50
M329	4	16	54.4	0.8	0	9.8	15	0	850	10.5%	22.7%	50
M330	3	12	59	0.8	0	10.2	15	0	850	12.2%	25.3%	50
M331	4	16	53.8	0.8	0	10.4	15	0	850	10.5%	22.7%	100
M332	3	12	58.4	0.8	0	10.8	15	0	850	12.2%	25.3%	50
M333	4	16	53.2	0.8	0	11	15	0	850	10.5%	22.8%	100
M334	3	12	57.8	0.8	0	11.4	15	0	850	12.2%	25.3%	50
M335	4	16	52.6	0.8	0	11.6	15	0	850	10.5%	22.9%	100
M336	3	12	57.2	0.8	0	12	15	0	850	12.2%	25.3%	50
M337	4	16	52	0.8	0	12.2	15	0	800	10.5%	22.9%	100

M338	3	12	56.6	0.8	0	12.6	15	0	850	12.2%	25.4%	50
M339	4	16	51.4	0.8	0	12.8	15	0	800	10.4%	23.0%	100
M340	3	12	56	0.8	0	13.2	15	0	850	12.2%	25.4%	50
M341	4	16	50.8	0.8	0	13.4	15	0	800	10.4%	23.0%	100
M342	3	12	55.4	0.8	0	13.8	15	0	800	12.2%	25.4%	50
M343	4	16	50.2	0.8	0	14	15	0	800	10.4%	23.1%	100
M344	4	16	61.2	1	0	2.8	15	0	950	10.7%	22.1%	0
M345	4	16	60.6	1	0	3.4	15	0	950	10.7%	22.2%	0
M346	3	12	65	1	0	4	15	0	950	12.5%	25.0%	0
M347	4	16	59.8	1	0	4.2	15	0	950	10.6%	22.2%	50
M348	3	12	64.4	1	0	4.6	15	0	950	12.4%	25.0%	0
M349	4	16	59.2	1	0	4.8	15	0	900	10.6%	22.3%	50
M350	3	12	63.8	1	0	5.2	15	0	950	12.4%	25.1%	0
M351	4	16	58.6	1	0	5.4	15	0	900	10.5%	22.3%	50
M352	3	12	63.2	1	0	5.8	15	0	950	12.4%	25.1%	0
M353	4	16	58	1	0	6	15	0	900	10.5%	22.4%	50
M354	3	12	62.6	1	0	6.4	15	0	900	12.4%	25.1%	0
M355	4	16	57.4	1	0	6.6	15	0	900	10.5%	22.4%	50
M356	3	12	62	1	0	7	15	0	900	12.3%	25.1%	0
M357	4	16	56.8	1	0	7.2	15	0	900	10.4%	22.5%	50
M358	3	12	61.4	1	0	7.6	15	0	900	12.3%	25.1%	0
M359	4	16	56.2	1	0	7.8	15	0	900	10.6%	22.5%	50
M360	3	12	60.8	1	0	8.2	15	0	900	12.3%	25.2%	50
M361	4	16	55.6	1	0	8.4	15	0	850	10.6%	22.6%	50
M362	3	12	60.2	1	0	8.8	15	0	900	12.3%	25.2%	50
M363	4	16	55	1	0	9	15	0	850	10.6%	22.6%	50
M364	3	12	59.6	1	0	9.4	15	0	900	12.2%	25.2%	50
M365	4	16	54.4	1	0	9.6	15	0	850	10.6%	22.7%	50
M366	3	12	59	1	0	10	15	0	850	12.2%	25.2%	50
M367	4	16	53.8	1	0	10.2	15	0	850	10.5%	22.7%	100
M368	3	12	58.4	1	0	10.6	15	0	850	12.2%	25.3%	50
M369	4	16	53.2	1	0	10.8	15	0	850	10.5%	22.8%	100
M370	3	12	57.8	1	0	11.2	15	0	850	12.2%	25.3%	50
M371	4	16	52.6	1	0	11.4	15	0	850	10.5%	22.8%	100
M372	3	12	57.2	1	0	11.8	15	0	850	12.2%	25.3%	50
M373	4	16	52	1	0	12	15	0	800	10.4%	22.9%	100
M374	3	12	56.6	1	0	12.4	15	0	850	12.2%	25.4%	50
M375	4	16	51.4	1	0	12.6	15	0	800	10.4%	22.9%	100
M376	3	12	56	1	0	13	15	0	850	12.2%	25.4%	50
M377	4	16	50.8	1	0	13.2	15	0	800	10.4%	23.0%	100
M378	3	12	55.4	1	0	13.6	15	0	850	12.2%	25.4%	50

M379	4	16	50.2	1	0	13.8	15	0	800	10.4%	23.1%	100
M380	4	16	61.6	1.2	0	2.2	15	0	950	10.8%	22.1%	0
M381	4	16	61	1.2	0	2.8	15	0	950	10.7%	22.1%	0
M382	4	16	60.4	1.2	0	3.4	15	0	950	10.7%	22.2%	0
M383	4	16	60	1.2	0	3.8	15	0	950	10.6%	22.2%	50
M384	3	12	64.6	1.2	0	4.2	15	0	950	12.5%	25.0%	0
M385	4	16	59.4	1.2	0	4.4	15	0	950	10.6%	22.2%	50
M386	3	12	64	1.2	0	4.8	15	0	950	12.4%	25.0%	0
M387	4	16	58.8	1.2	0	5	15	0	900	10.6%	22.3%	50
M388	3	12	63.4	1.2	0	5.4	15	0	950	12.4%	25.1%	0
M389	4	16	58.2	1.2	0	5.6	15	0	900	10.5%	22.3%	50
M390	3	12	62.8	1.2	0	6	15	0	950	12.4%	25.1%	0
M391	4	16	57.6	1.2	0	6.2	15	0	900	10.5%	22.4%	50
M392	3	12	62.2	1.2	0	6.6	15	0	900	12.3%	25.1%	0
M393	4	16	57	1.2	0	6.8	15	0	900	10.4%	22.4%	50
M394	3	12	61.6	1.2	0	7.2	15	0	900	12.3%	25.1%	0
M395	4	16	56.4	1.2	0	7.4	15	0	900	10.4%	22.5%	50
M396	3	12	61	1.2	0	7.8	15	0	900	12.3%	25.1%	50
M397	4	16	55.8	1.2	0	8	15	0	850	10.6%	22.5%	50
M398	3	12	60.4	1.2	0	8.4	15	0	900	12.3%	25.2%	50
M399	4	16	55.2	1.2	0	8.6	15	0	850	10.6%	22.6%	50
M400	3	12	59.8	1.2	0	9	15	0	900	12.2%	25.2%	50
M401	4	16	54.6	1.2	0	9.2	15	0	850	10.6%	22.6%	50
M402	3	12	59.2	1.2	0	9.6	15	0	850	12.2%	25.2%	50
M403	4	16	54	1.2	0	9.8	15	0	850	10.5%	22.7%	50
M404	3	12	58.6	1.2	0	10.2	15	0	850	12.2%	25.2%	50
M405	4	16	53.4	1.2	0	10.4	15	0	850	10.5%	22.7%	100
M406	3	12	58	1.2	0	10.8	15	0	850	12.2%	25.3%	50
M407	4	16	52.8	1.2	0	11	15	0	850	10.5%	22.8%	100
M408	3	12	57.4	1.2	0	11.4	15	0	850	12.2%	25.3%	50
M409	4	16	52.2	1.2	0	11.6	15	0	800	10.5%	22.8%	100
M410	3	12	56.8	1.2	0	12	15	0	850	12.2%	25.3%	50
M411	4	16	51.6	1.2	0	12.2	15	0	800	10.4%	22.9%	100
M412	3	12	56.2	1.2	0	12.6	15	0	850	12.2%	25.4%	50
M413	4	16	51	1.2	0	12.8	15	0	800	10.4%	22.9%	100
M414	3	12	55.6	1.2	0	13.2	15	0	850	12.2%	25.4%	50
M415	4	16	50.4	1.2	0	13.4	15	0	800	10.4%	23.0%	100
M416	3	12	55	1.2	0	13.8	15	0	800	12.2%	25.4%	100
M417	4	16	49.8	1.2	0	14	15	0	800	10.4%	23.1%	100
M418	4	16	61.2	1.4	0	2.4	15	0	950	10.7%	22.1%	0
M419	4	16	60.6	1.4	0	3	15	0	950	10.7%	22.1%	0

M420	3	12	65	1.4	0	3.6	15	0	950	12.5%	25.0%	0
M421	4	16	59.8	1.4	0	3.8	15	0	950	10.6%	22.2%	50
M422	3	12	64.4	1.4	0	4.2	15	0	950	12.5%	25.0%	0
M423	4	16	59.2	1.4	0	4.4	15	0	900	10.6%	22.2%	50
M424	3	12	63.8	1.4	0	4.8	15	0	950	12.4%	25.0%	0
M425	4	16	58.6	1.4	0	5	15	0	900	10.6%	22.3%	50
M426	3	12	63.2	1.4	0	5.4	15	0	950	12.4%	25.1%	0
M427	4	16	58	1.4	0	5.6	15	0	900	10.5%	22.3%	50
M428	3	12	62.6	1.4	0	6	15	0	900	12.4%	25.1%	0
M429	4	16	57.4	1.4	0	6.2	15	0	900	10.5%	22.4%	50
M430	3	12	62	1.4	0	6.6	15	0	900	12.3%	25.1%	0
M431	4	16	56.8	1.4	0	6.8	15	0	900	10.4%	22.4%	50
M432	3	12	61.4	1.4	0	7.2	15	0	900	12.3%	25.1%	0
M433	4	16	56.2	1.4	0	7.4	15	0	900	10.4%	22.5%	50
M434	3	12	60.8	1.4	0	7.8	15	0	900	12.3%	25.1%	50
M435	4	16	55.6	1.4	0	8	15	0	850	10.6%	22.5%	50
M436	3	12	60.2	1.4	0	8.4	15	0	900	12.3%	25.2%	50
M437	4	16	55	1.4	0	8.6	15	0	850	10.6%	22.6%	50
M438	3	12	59.6	1.4	0	9	15	0	900	12.2%	25.2%	50
M439	4	16	54.4	1.4	0	9.2	15	0	850	10.6%	22.6%	50
M440	3	12	59	1.4	0	9.6	15	0	850	12.2%	25.2%	50
M441	4	16	53.8	1.4	0	9.8	15	0	850	10.5%	22.7%	100
M442	3	12	58.4	1.4	0	10.2	15	0	850	12.2%	25.2%	50
M443	4	16	53.2	1.4	0	10.4	15	0	850	10.5%	22.7%	100
M444	3	12	57.8	1.4	0	10.8	15	0	850	12.2%	25.3%	50
M445	4	16	52.6	1.4	0	11	15	0	850	10.5%	22.8%	100
M446	3	12	57.2	1.4	0	11.4	15	0	850	12.2%	25.3%	50
M447	4	16	52	1.4	0	11.6	15	0	800	10.4%	22.8%	100
M448	3	12	56.6	1.4	0	12	15	0	850	12.2%	25.3%	50
M449	4	16	51.4	1.4	0	12.2	15	0	800	10.4%	22.9%	100
M450	3	12	56	1.4	0	12.6	15	0	850	12.2%	25.3%	50
M451	4	16	50.8	1.4	0	12.8	15	0	800	10.4%	22.9%	100
M452	3	12	55.4	1.4	0	13.2	15	0	850	12.2%	25.4%	50
M453	4	16	50.2	1.4	0	13.4	15	0	800	10.4%	23.0%	100
M454	3	12	54.8	1.4	0	13.8	15	0	800	12.2%	25.4%	100
M455	4	16	49.6	1.4	0	14	15	0	800	10.4%	23.0%	100
M456	4	16	61.2	1.6	0	2.2	15	0	950	10.8%	22.1%	0
M457	4	16	60.6	1.6	0	2.8	15	0	950	10.7%	22.1%	0
M458	3	12	65	1.6	0	3.4	15	0	950	12.5%	25.0%	0
M459	4	16	59.8	1.6	0	3.6	15	0	950	10.7%	22.2%	50
M460	3	12	64.4	1.6	0	4	15	0	950	12.5%	25.0%	0

M461	4	16	59.2	1.6	0	4.2	15	0	900	10.6%	22.2%	50
M462	3	12	63.8	1.6	0	4.6	15	0	950	12.4%	25.0%	0
M463	4	16	58.6	1.6	0	4.8	15	0	900	10.6%	22.3%	50
M464	3	12	63.2	1.6	0	5.2	15	0	950	12.4%	25.1%	0
M465	4	16	58	1.6	0	5.4	15	0	900	10.5%	22.3%	50
M466	3	12	62.6	1.6	0	5.8	15	0	900	12.4%	25.1%	0
M467	4	16	57.4	1.6	0	6	15	0	900	10.5%	22.4%	50
M468	3	12	62	1.6	0	6.4	15	0	900	12.3%	25.1%	0
M469	4	16	56.8	1.6	0	6.6	15	0	900	10.4%	22.4%	50
M470	3	12	61.4	1.6	0	7	15	0	900	12.3%	25.1%	0
M471	4	16	56.2	1.6	0	7.2	15	0	900	10.4%	22.4%	50
M472	3	12	60.8	1.6	0	7.6	15	0	900	12.3%	25.1%	50
M473	4	16	55.6	1.6	0	7.8	15	0	850	10.4%	22.5%	50
M474	3	12	60.2	1.6	0	8.2	15	0	900	12.3%	25.2%	50
M475	4	16	55	1.6	0	8.4	15	0	850	10.6%	22.5%	50
M476	3	12	59.6	1.6	0	8.8	15	0	900	12.2%	25.2%	50
M477	4	16	54.4	1.6	0	9	15	0	850	10.6%	22.6%	50
M478	3	12	59	1.6	0	9.4	15	0	850	12.2%	25.2%	50
M479	4	16	53.8	1.6	0	9.6	15	0	850	10.5%	22.6%	50
M480	3	12	58.4	1.6	0	10	15	0	850	12.2%	25.2%	50
M481	4	16	53.2	1.6	0	10.2	15	0	850	10.5%	22.7%	100
M482	3	12	57.8	1.6	0	10.6	15	0	850	12.2%	25.2%	50
M483	4	16	52.6	1.6	0	10.8	15	0	850	10.5%	22.7%	100
M484	3	12	57.2	1.6	0	11.2	15	0	850	12.2%	25.3%	50
M485	4	16	52	1.6	0	11.4	15	0	850	10.4%	22.8%	100
M486	3	12	56.6	1.6	0	11.8	15	0	850	12.2%	25.3%	50
M487	4	16	51.4	1.6	0	12	15	0	800	10.4%	22.8%	100
M488	3	12	56	1.6	0	12.4	15	0	850	12.2%	25.3%	50
M489	4	16	50.8	1.6	0	12.6	15	0	800	10.4%	22.9%	100
M490	3	12	55.4	1.6	0	13	15	0	850	12.2%	25.4%	50
M491	4	16	50.2	1.6	0	13.2	15	0	800	10.4%	23.0%	100
M492	3	12	54.8	1.6	0	13.6	15	0	800	12.2%	25.4%	100
M493	4	16	49.6	1.6	0	13.8	15	0	800	10.3%	23.0%	100
M494	4	16	61.6	1.8	0	1.6	15	0	950	10.8%	22.0%	0
M495	4	16	61	1.8	0	2.2	15	0	950	10.8%	22.1%	0
M496	4	16	60.4	1.8	0	2.8	15	0	950	10.7%	22.1%	0
M497	4	16	60	1.8	0	3.2	15	0	950	10.7%	22.1%	0
M498	3	12	64.6	1.8	0	3.6	15	0	950	12.5%	25.0%	0
M499	4	16	59.4	1.8	0	3.8	15	0	950	10.6%	22.2%	50
M500	3	12	64	1.8	0	4.2	15	0	950	12.5%	25.0%	0
M501	4	16	58.8	1.8	0	4.4	15	0	900	10.6%	22.2%	50

M502	3	12	63.4	1.8	0	4.8	15	0	950	12.4%	25.0%	0
M503	4	16	58.2	1.8	0	5	15	0	900	10.6%	22.3%	50
M504	3	12	62.8	1.8	0	5.4	15	0	950	12.4%	25.1%	0
M505	4	16	57.6	1.8	0	5.6	15	0	900	10.5%	22.3%	50
M506	3	12	62.2	1.8	0	6	15	0	900	12.4%	25.1%	0
M507	4	16	57	1.8	0	6.2	15	0	900	10.5%	22.4%	50
M508	3	12	61.6	1.8	0	6.6	15	0	900	12.3%	25.1%	0
M509	4	16	56.4	1.8	0	6.8	15	0	900	10.4%	22.4%	50
M510	3	12	61	1.8	0	7.2	15	0	900	12.3%	25.1%	0
M511	4	16	55.8	1.8	0	7.4	15	0	850	10.4%	22.4%	50
M512	3	12	60.4	1.8	0	7.8	15	0	900	12.3%	25.1%	50
M513	4	16	55.2	1.8	0	8	15	0	850	10.4%	22.5%	50
M514	3	12	59.8	1.8	0	8.4	15	0	900	12.3%	25.2%	50
M515	4	16	54.6	1.8	0	8.6	15	0	850	10.6%	22.5%	50
M516	3	12	59.2	1.8	0	9	15	0	900	12.2%	25.2%	50
M517	4	16	54	1.8	0	9.2	15	0	850	10.5%	22.6%	50
M518	3	12	58.6	1.8	0	9.6	15	0	850	12.2%	25.2%	50
M519	4	16	53.4	1.8	0	9.8	15	0	850	10.5%	22.6%	100
M520	3	12	58	1.8	0	10.2	15	0	850	12.2%	25.2%	50
M521	4	16	52.8	1.8	0	10.4	15	0	850	10.5%	22.7%	100
M522	3	12	57.4	1.8	0	10.8	15	0	850	12.2%	25.2%	50
M523	4	16	52.2	1.8	0	11	15	0	850	10.4%	22.7%	100
M524	3	12	56.8	1.8	0	11.4	15	0	850	12.2%	25.3%	50
M525	4	16	51.6	1.8	0	11.6	15	0	800	10.4%	22.8%	100
M526	3	12	56.2	1.8	0	12	15	0	850	12.1%	25.3%	50
M527	4	16	51	1.8	0	12.2	15	0	800	10.4%	22.8%	100
M528	3	12	55.6	1.8	0	12.6	15	0	850	12.2%	25.3%	50
M529	4	16	50.4	1.8	0	12.8	15	0	800	10.4%	22.9%	100
M530	3	12	55	1.8	0	13.2	15	0	850	12.2%	25.4%	50
M531	4	16	49.8	1.8	0	13.4	15	0	800	10.3%	23.0%	100
M532	3	12	54.4	1.8	0	13.8	15	0	800	12.2%	25.4%	100
M533	4	16	49.2	1.8	0	14	15	0	800	10.3%	23.0%	100
M534	4	16	61.2	2	0	1.8	15	0	950	10.8%	22.1%	0
M535	4	16	60.6	2	0	2.4	15	0	950	10.8%	22.1%	0
M536	3	12	65	2	0	3	15	0	950	12.5%	25.0%	0
M537	4	16	59.8	2	0	3.2	15	0	950	10.7%	22.1%	0
M538	3	12	64.4	2	0	3.6	15	0	950	12.5%	25.0%	0
M539	4	16	59.2	2	0	3.8	15	0	900	10.6%	22.2%	50
M540	3	12	63.8	2	0	4.2	15	0	950	12.5%	25.0%	0
M541	4	16	58.6	2	0	4.4	15	0	900	10.6%	22.2%	50
M542	3	12	63.2	2	0	4.8	15	0	950	12.4%	25.0%	0

M543	4	16	58	2	0	5	15	0	900	10.6%	22.3%	50
M544	3	12	62.6	2	0	5.4	15	0	900	12.4%	25.0%	0
M545	4	16	57.4	2	0	5.6	15	0	900	10.5%	22.3%	50
M546	3	12	62	2	0	6	15	0	900	12.4%	25.1%	0
M547	4	16	56.8	2	0	6.2	15	0	900	10.5%	22.4%	50
M548	3	12	61.4	2	0	6.6	15	0	900	12.3%	25.1%	0
M549	4	16	56.2	2	0	6.8	15	0	900	10.4%	22.4%	50
M550	3	12	60.8	2	0	7.2	15	0	900	12.3%	25.1%	0
M551	4	16	55.6	2	0	7.4	15	0	850	10.4%	22.4%	50
M552	3	12	60.2	2	0	7.8	15	0	900	12.3%	25.1%	50
M553	4	16	55	2	0	8	15	0	850	10.4%	22.5%	50
M554	3	12	59.6	2	0	8.4	15	0	900	12.3%	25.1%	50
M555	4	16	54.4	2	0	8.6	15	0	850	10.6%	22.5%	50
M556	3	12	59	2	0	9	15	0	850	12.2%	25.2%	50
M557	4	16	53.8	2	0	9.2	15	0	850	10.5%	22.6%	50
M558	3	12	58.4	2	0	9.6	15	0	850	12.2%	25.2%	50
M559	4	16	53.2	2	0	9.8	15	0	850	10.5%	22.6%	100
M560	3	12	57.8	2	0	10.2	15	0	850	12.2%	25.2%	50
M561	4	16	52.6	2	0	10.4	15	0	850	10.5%	22.7%	100
M562	3	12	57.2	2	0	10.8	15	0	850	12.2%	25.2%	50
M563	4	16	52	2	0	11	15	0	850	10.4%	22.7%	100
M564	3	12	56.6	2	0	11.4	15	0	850	12.2%	25.3%	50
M565	4	16	51.4	2	0	11.6	15	0	800	10.4%	22.8%	100
M566	3	12	56	2	0	12	15	0	850	12.1%	25.3%	50
M567	4	16	50.8	2	0	12.2	15	0	800	10.4%	22.8%	100
M568	3	12	55.4	2	0	12.6	15	0	850	12.1%	25.3%	50
M569	4	16	50.2	2	0	12.8	15	0	800	10.4%	22.9%	100
M570	3	12	54.8	2	0	13.2	15	0	850	12.2%	25.3%	50
M571	4	16	49.6	2	0	13.4	15	0	800	10.3%	22.9%	100
M572	3	12	54.2	2	0	13.8	15	0	800	12.2%	25.4%	100
M573	4	16	49	2	0	14	15	0	800	10.3%	23.0%	100
M574	4	16	61.2	2.2	0	1.6	15	0	950	10.8%	22.0%	0
M575	4	16	60.6	2.2	0	2.2	15	0	950	10.8%	22.1%	0
M576	3	12	65	2.2	0	2.8	15	0	950	12.5%	25.0%	0
M577	4	16	59.8	2.2	0	3	15	0	950	10.7%	22.1%	0
M578	3	12	64.4	2.2	0	3.4	15	0	950	12.5%	25.0%	0
M579	4	16	59.2	2.2	0	3.6	15	0	900	10.7%	22.2%	50
M580	3	12	63.8	2.2	0	4	15	0	950	12.5%	25.0%	0
M581	4	16	58.6	2.2	0	4.2	15	0	900	10.6%	22.2%	50
M582	3	12	63.2	2.2	0	4.6	15	0	950	12.4%	25.0%	0
M583	4	16	58	2.2	0	4.8	15	0	900	10.6%	22.2%	50

M584	3	12	62.6	2.2	0	5.2	15	0	900	12.4%	25.0%	0
M585	4	16	57.4	2.2	0	5.4	15	0	900	10.5%	22.3%	50
M586	3	12	62	2.2	0	5.8	15	0	900	12.4%	25.1%	0
M587	4	16	56.8	2.2	0	6	15	0	900	10.5%	22.3%	50
M588	3	12	61.4	2.2	0	6.4	15	0	900	12.3%	25.1%	0
M589	4	16	56.2	2.2	0	6.6	15	0	900	10.4%	22.4%	50
M590	3	12	60.8	2.2	0	7	15	0	900	12.3%	25.1%	0
M591	4	16	55.6	2.2	0	7.2	15	0	850	10.4%	22.4%	50
M592	3	12	60.2	2.2	0	7.6	15	0	900	12.3%	25.1%	50
M593	4	16	55	2.2	0	7.8	15	0	850	10.4%	22.5%	50
M594	3	12	59.6	2.2	0	8.2	15	0	900	12.3%	25.1%	50
M595	4	16	54.4	2.2	0	8.4	15	0	850	10.3%	22.5%	50
M596	3	12	59	2.2	0	8.8	15	0	850	12.2%	25.2%	50
M597	4	16	53.8	2.2	0	9	15	0	850	10.5%	22.6%	50
M598	3	12	58.4	2.2	0	9.4	15	0	850	12.2%	25.2%	50
M599	4	16	53.2	2.2	0	9.6	15	0	850	10.5%	22.6%	100
M600	3	12	57.8	2.2	0	10	15	0	850	12.2%	25.2%	50
M601	4	16	52.6	2.2	0	10.2	15	0	850	10.5%	22.6%	100
M602	3	12	57.2	2.2	0	10.6	15	0	850	12.2%	25.2%	50
M603	4	16	52	2.2	0	10.8	15	0	850	10.4%	22.7%	100
M604	3	12	56.6	2.2	0	11.2	15	0	850	12.2%	25.2%	50
M605	4	16	51.4	2.2	0	11.4	15	0	800	10.4%	22.8%	100
M606	3	12	56	2.2	0	11.8	15	0	850	12.1%	25.3%	50
M607	4	16	50.8	2.2	0	12	15	0	800	10.4%	22.8%	100
M608	3	12	55.4	2.2	0	12.4	15	0	850	12.1%	25.3%	50
M609	4	16	50.2	2.2	0	12.6	15	0	800	10.3%	22.9%	100
M610	3	12	54.8	2.2	0	13	15	0	850	12.2%	25.3%	50
M611	4	16	49.6	2.2	0	13.2	15	0	800	10.3%	22.9%	100
M612	3	12	54.2	2.2	0	13.6	15	0	800	12.1%	25.3%	100
M613	4	16	49	2.2	0	13.8	15	0	800	10.3%	23.0%	100
M614	4	16	61.6	2.4	0	1	15	0	950	10.9%	22.0%	0
M615	4	16	61	2.4	0	1.6	15	0	950	10.8%	22.0%	0
M616	4	16	60.4	2.4	0	2.2	15	0	950	10.8%	22.1%	0
M617	4	16	60	2.4	0	2.6	15	0	950	10.8%	22.1%	0
M618	3	12	64.6	2.4	0	3	15	0	950	12.5%	25.0%	0
M619	4	16	59.4	2.4	0	3.2	15	0	950	10.7%	22.1%	0
M620	3	12	64	2.4	0	3.6	15	0	950	12.5%	25.0%	0
M621	4	16	58.8	2.4	0	3.8	15	0	900	10.6%	22.2%	50
M622	3	12	63.4	2.4	0	4.2	15	0	950	12.5%	25.0%	0
M623	4	16	58.2	2.4	0	4.4	15	0	900	10.6%	22.2%	50
M624	3	12	62.8	2.4	0	4.8	15	0	950	12.4%	25.0%	0

M625	4	16	57.6	2.4	0	5	15	0	900	10.6%	22.3%	50
M626	3	12	62.2	2.4	0	5.4	15	0	900	12.4%	25.0%	0
M627	4	16	57	2.4	0	5.6	15	0	900	10.5%	22.3%	50
M628	3	12	61.6	2.4	0	6	15	0	900	12.4%	25.1%	0
M629	4	16	56.4	2.4	0	6.2	15	0	900	10.5%	22.3%	50
M630	3	12	61	2.4	0	6.6	15	0	900	12.3%	25.1%	0
M631	4	16	55.8	2.4	0	6.8	15	0	900	10.4%	22.4%	50
M632	3	12	60.4	2.4	0	7.2	15	0	900	12.3%	25.1%	0
M633	4	16	55.2	2.4	0	7.4	15	0	850	10.4%	22.4%	50
M634	3	12	59.8	2.4	0	7.8	15	0	900	12.3%	25.1%	50
M635	4	16	54.6	2.4	0	8	15	0	850	10.3%	22.5%	50
M636	3	12	59.2	2.4	0	8.4	15	0	900	12.2%	25.1%	50
M637	4	16	54	2.4	0	8.6	15	0	850	10.3%	22.5%	50
M638	3	12	58.6	2.4	0	9	15	0	850	12.2%	25.2%	50
M639	4	16	53.4	2.4	0	9.2	15	0	850	10.5%	22.6%	50
M640	3	12	58	2.4	0	9.6	15	0	850	12.2%	25.2%	50
M641	4	16	52.8	2.4	0	9.8	15	0	850	10.5%	22.6%	100
M642	3	12	57.4	2.4	0	10.2	15	0	850	12.2%	25.2%	50
M643	4	16	52.2	2.4	0	10.4	15	0	850	10.4%	22.7%	100
M644	3	12	56.8	2.4	0	10.8	15	0	850	12.2%	25.2%	50
M645	4	16	51.6	2.4	0	11	15	0	850	10.4%	22.7%	100
M646	3	12	56.2	2.4	0	11.4	15	0	850	12.1%	25.2%	50
M647	4	16	51	2.4	0	11.6	15	0	800	10.4%	22.8%	100
M648	3	12	55.6	2.4	0	12	15	0	850	12.1%	25.3%	50
M649	4	16	50.4	2.4	0	12.2	15	0	800	10.4%	22.8%	100
M650	3	12	55	2.4	0	12.6	15	0	850	12.1%	25.3%	50
M651	4	16	49.8	2.4	0	12.8	15	0	800	10.3%	22.9%	100
M652	3	12	54.4	2.4	0	13.2	15	0	850	12.2%	25.3%	100
M653	4	16	49.2	2.4	0	13.4	15	0	800	10.3%	22.9%	100
M654	3	12	53.8	2.4	0	13.8	15	0	800	12.1%	25.3%	100
M655	4	16	48.6	2.4	0	14	15	0	800	10.3%	23.0%	100
M656	4	16	61.2	2.6	0	1.2	15	0	950	10.9%	22.0%	0
M657	4	16	60.6	2.6	0	1.8	15	0	950	10.8%	22.0%	0
M658	3	12	65	2.6	0	2.4	15	0	950	12.6%	25.0%	0
M659	4	16	59.8	2.6	0	2.6	15	0	950	10.8%	22.1%	0
M660	3	12	64.4	2.6	0	3	15	0	950	12.5%	25.0%	0
M661	4	16	59.2	2.6	0	3.2	15	0	900	10.7%	22.1%	50
M662	3	12	63.8	2.6	0	3.6	15	0	950	12.5%	25.0%	0
M663	4	16	58.6	2.6	0	3.8	15	0	900	10.7%	22.2%	50
M664	3	12	63.2	2.6	0	4.2	15	0	950	12.5%	25.0%	0
M665	4	16	58	2.6	0	4.4	15	0	900	10.6%	22.2%	50

M666	3	12	62.6	2.6	0	4.8	15	0	900	12.4%	25.0%	0
M667	4	16	57.4	2.6	0	5	15	0	900	10.6%	22.2%	50
M668	3	12	62	2.6	0	5.4	15	0	900	12.4%	25.0%	0
M669	4	16	56.8	2.6	0	5.6	15	0	900	10.5%	22.3%	50
M670	3	12	61.4	2.6	0	6	15	0	900	12.4%	25.1%	0
M671	4	16	56.2	2.6	0	6.2	15	0	900	10.5%	22.3%	50
M672	3	12	60.8	2.6	0	6.6	15	0	900	12.3%	25.1%	0
M673	4	16	55.6	2.6	0	6.8	15	0	850	10.4%	22.4%	50
M674	3	12	60.2	2.6	0	7.2	15	0	900	12.3%	25.1%	0
M675	4	16	55	2.6	0	7.4	15	0	850	10.4%	22.4%	50
M676	3	12	59.6	2.6	0	7.8	15	0	900	12.3%	25.1%	50
M677	4	16	54.4	2.6	0	8	15	0	850	10.3%	22.5%	50
M678	3	12	59	2.6	0	8.4	15	0	850	12.2%	25.1%	50
M679	4	16	53.8	2.6	0	8.6	15	0	850	10.3%	22.5%	50
M680	3	12	58.4	2.6	0	9	15	0	850	12.2%	25.1%	50
M681	4	16	53.2	2.6	0	9.2	15	0	850	10.3%	22.5%	100
M682	3	12	57.8	2.6	0	9.6	15	0	850	12.2%	25.2%	50
M683	4	16	52.6	2.6	0	9.8	15	0	850	10.5%	22.6%	100
M684	3	12	57.2	2.6	0	10.2	15	0	850	12.2%	25.2%	50
M685	4	16	52	2.6	0	10.4	15	0	850	10.4%	22.6%	100
M686	3	12	56.6	2.6	0	10.8	15	0	850	12.2%	25.2%	50
M687	4	16	51.4	2.6	0	11	15	0	850	10.4%	22.7%	100
M688	3	12	56	2.6	0	11.4	15	0	850	12.1%	25.2%	50
M689	4	16	50.8	2.6	0	11.6	15	0	800	10.4%	22.7%	100
M690	3	12	55.4	2.6	0	12	15	0	850	12.1%	25.3%	50
M691	4	16	50.2	2.6	0	12.2	15	0	800	10.3%	22.8%	100
M692	3	12	54.8	2.6	0	12.6	15	0	850	12.1%	25.3%	50
M693	4	16	49.6	2.6	0	12.8	15	0	800	10.3%	22.8%	100
M694	3	12	54.2	2.6	0	13.2	15	0	800	12.1%	25.3%	100
M695	4	16	49	2.6	0	13.4	15	0	800	10.3%	22.9%	100
M696	3	12	53.6	2.6	0	13.8	15	0	800	12.1%	25.3%	100
M697	4	16	48.4	2.6	0	14	15	0	800	10.3%	23.0%	100
M698	4	16	61.2	2.8	0	1	15	0	950	10.9%	22.0%	50
M699	4	16	60.6	2.8	0	1.6	15	0	950	10.9%	22.0%	0
M700	3	12	65	2.8	0	2.2	15	0	950	12.6%	25.1%	0
M701	4	16	59.8	2.8	0	2.4	15	0	950	10.8%	22.1%	0
M702	3	12	64.4	2.8	0	2.8	15	0	950	12.6%	25.0%	0
M703	4	16	59.2	2.8	0	3	15	0	900	10.7%	22.1%	0
M704	3	12	63.8	2.8	0	3.4	15	0	950	12.5%	25.0%	0
M705	4	16	58.6	2.8	0	3.6	15	0	900	10.7%	22.1%	50
M706	3	12	63.2	2.8	0	4	15	0	950	12.5%	25.0%	0

M707	4	16	58	2.8	0	4.2	15	0	900	10.6%	22.2%	50
M708	3	12	62.6	2.8	0	4.6	15	0	900	12.4%	25.0%	0
M709	4	16	57.4	2.8	0	4.8	15	0	900	10.6%	22.2%	50
M710	3	12	62	2.8	0	5.2	15	0	900	12.4%	25.0%	0
M711	4	16	56.8	2.8	0	5.4	15	0	900	10.5%	22.3%	50
M712	3	12	61.4	2.8	0	5.8	15	0	900	12.4%	25.0%	0
M713	4	16	56.2	2.8	0	6	15	0	900	10.5%	22.3%	50
M714	3	12	60.8	2.8	0	6.4	15	0	900	12.3%	25.1%	0
M715	4	16	55.6	2.8	0	6.6	15	0	850	10.4%	22.3%	50
M716	3	12	60.2	2.8	0	7	15	0	900	12.3%	25.1%	0
M717	4	16	55	2.8	0	7.2	15	0	850	10.4%	22.4%	50
M718	3	12	59.6	2.8	0	7.6	15	0	900	12.3%	25.1%	50
M719	4	16	54.4	2.8	0	7.8	15	0	850	10.3%	22.4%	50
M720	3	12	59	2.8	0	8.2	15	0	850	12.3%	25.1%	50
M721	4	16	53.8	2.8	0	8.4	15	0	850	10.3%	22.5%	50
M722	3	12	58.4	2.8	0	8.8	15	0	850	12.2%	25.1%	50
M723	4	16	53.2	2.8	0	9	15	0	850	10.3%	22.5%	50
M724	3	12	57.8	2.8	0	9.4	15	0	850	12.2%	25.2%	50
M725	4	16	52.6	2.8	0	9.6	15	0	850	10.5%	22.6%	100
M726	3	12	57.2	2.8	0	10	15	0	850	12.2%	25.2%	50
M727	4	16	52	2.8	0	10.2	15	0	850	10.4%	22.6%	100
M728	3	12	56.6	2.8	0	10.6	15	0	850	12.2%	25.2%	50
M729	4	16	51.4	2.8	0	10.8	15	0	850	10.4%	22.7%	100
M730	3	12	56	2.8	0	11.2	15	0	850	12.1%	25.2%	50
M731	4	16	50.8	2.8	0	11.4	15	0	800	10.4%	22.7%	100
M732	3	12	55.4	2.8	0	11.8	15	0	850	12.1%	25.2%	50
M733	4	16	50.2	2.8	0	12	15	0	800	10.3%	22.8%	100
M734	3	12	54.8	2.8	0	12.4	15	0	850	12.1%	25.3%	50
M735	4	16	49.6	2.8	0	12.6	15	0	800	10.3%	22.8%	100
M736	3	12	54.2	2.8	0	13	15	0	850	12.1%	25.3%	50
M737	4	16	49	2.8	0	13.2	15	0	800	10.3%	22.9%	100
M738	3	12	53.6	2.8	0	13.6	15	0	800	12.1%	25.3%	100
M739	4	16	48.4	2.8	0	13.8	15	0	800	10.3%	22.9%	100
M740	4	16	61.6	3	0	0.4	15	0	950	11.0%	21.9%	50
M741	4	16	61	3	0	1	15	0	950	10.9%	22.0%	50
M742	4	16	60.4	3	0	1.6	15	0	950	10.9%	22.0%	50
M743	4	16	60	3	0	2	15	0	950	10.8%	22.0%	0
M744	3	12	64.6	3	0	2.4	15	0	950	12.6%	25.1%	0
M745	4	16	59.4	3	0	2.6	15	0	950	10.8%	22.1%	0
M746	3	12	64	3	0	3	15	0	950	12.5%	25.0%	0
M747	4	16	58.8	3	0	3.2	15	0	900	10.7%	22.1%	50

M748	3	12	63.4	3	0	3.6	15	0	950	12.5%	25.0%	0
M749	4	16	58.2	3	0	3.8	15	0	900	10.7%	22.2%	50
M750	3	12	62.8	3	0	4.2	15	0	900	12.5%	25.0%	0
M751	4	16	57.6	3	0	4.4	15	0	900	10.6%	22.2%	50
M752	3	12	62.2	3	0	4.8	15	0	900	12.4%	25.0%	0
M753	4	16	57	3	0	5	15	0	900	10.6%	22.2%	50
M754	3	12	61.6	3	0	5.4	15	0	900	12.4%	25.0%	0
M755	4	16	56.4	3	0	5.6	15	0	900	10.5%	22.3%	50
M756	3	12	61	3	0	6	15	0	900	12.4%	25.0%	0
M757	4	16	55.8	3	0	6.2	15	0	900	10.5%	22.3%	50
M758	3	12	60.4	3	0	6.6	15	0	900	12.3%	25.1%	0
M759	4	16	55.2	3	0	6.8	15	0	850	10.4%	22.4%	50
M760	3	12	59.8	3	0	7.2	15	0	900	12.3%	25.1%	50
M761	4	16	54.6	3	0	7.4	15	0	850	10.4%	22.4%	50
M762	3	12	59.2	3	0	7.8	15	0	900	12.3%	25.1%	50
M763	4	16	54	3	0	8	15	0	850	10.3%	22.4%	50
M764	3	12	58.6	3	0	8.4	15	0	850	12.2%	25.1%	50
M765	4	16	53.4	3	0	8.6	15	0	850	10.3%	22.5%	50
M766	3	12	58	3	0	9	15	0	850	12.2%	25.1%	50
M767	4	16	52.8	3	0	9.2	15	0	850	10.3%	22.5%	100
M768	3	12	57.4	3	0	9.6	15	0	850	12.2%	25.2%	50
M769	4	16	52.2	3	0	9.8	15	0	850	10.5%	22.6%	100
M770	3	12	56.8	3	0	10.2	15	0	850	12.2%	25.2%	50
M771	4	16	51.6	3	0	10.4	15	0	850	10.4%	22.6%	100
M772	3	12	56.2	3	0	10.8	15	0	850	12.1%	25.2%	50
M773	4	16	51	3	0	11	15	0	850	10.4%	22.7%	100
M774	3	12	55.6	3	0	11.4	15	0	850	12.1%	25.2%	50
M775	4	16	50.4	3	0	11.6	15	0	800	10.4%	22.7%	100
M776	3	12	55	3	0	12	15	0	850	12.1%	25.2%	50
M777	4	16	49.8	3	0	12.2	15	0	800	10.3%	22.8%	100
M778	3	12	54.4	3	0	12.6	15	0	850	12.1%	25.3%	50
M779	4	16	49.2	3	0	12.8	15	0	800	10.3%	22.8%	100
M780	3	12	53.8	3	0	13.2	15	0	800	12.1%	25.3%	100
M781	4	16	48.6	3	0	13.4	15	0	800	10.3%	22.9%	100
M782	3	12	53.2	3	0	13.8	15	0	800	12.1%	25.3%	100
M783	4	16	48	3	0	14	15	0	800	10.2%	22.9%	100
M784	4	16	61.2	3.2	0	0.6	15	0	950	11.0%	22.0%	50
M785	4	16	60.6	3.2	0	1.2	15	0	950	10.9%	22.0%	50
M786	4	16	60.2	3.2	0	1.6	15	0	950	10.9%	22.0%	50
M787	3	12	64.8	3.2	0	2	15	0	950	12.6%	25.2%	0
M788	4	16	59.6	3.2	0	2.2	15	0	950	10.8%	22.1%	50

M789	3	12	64.2	3.2	0	2.6	15	0	950	12.6%	25.1%	0
M790	4	16	59	3.2	0	2.8	15	0	900	10.7%	22.1%	0
M791	3	12	63.6	3.2	0	3.2	15	0	950	12.5%	25.0%	0
M792	4	16	58.4	3.2	0	3.4	15	0	900	10.7%	22.1%	50
M793	3	12	63	3.2	0	3.8	15	0	950	12.5%	25.0%	0
M794	4	16	57.8	3.2	0	4	15	0	900	10.6%	22.2%	50
M795	3	12	62.4	3.2	0	4.4	15	0	900	12.5%	25.0%	0
M796	4	16	57.2	3.2	0	4.6	15	0	900	10.6%	22.2%	50
M797	3	12	61.8	3.2	0	5	15	0	900	12.4%	25.0%	0
M798	4	16	56.6	3.2	0	5.2	15	0	900	10.5%	22.2%	50
M799	3	12	61.2	3.2	0	5.6	15	0	900	12.4%	25.0%	0
M800	4	16	56	3.2	0	5.8	15	0	900	10.5%	22.3%	50
M801	3	12	60.6	3.2	0	6.2	15	0	900	12.3%	25.0%	0
M802	4	16	55.4	3.2	0	6.4	15	0	850	10.4%	22.3%	50
M803	3	12	60	3.2	0	6.8	15	0	900	12.3%	25.1%	0
M804	4	16	54.8	3.2	0	7	15	0	850	10.4%	22.4%	50
M805	3	12	59.4	3.2	0	7.4	15	0	900	12.3%	25.1%	50
M806	4	16	54.2	3.2	0	7.6	15	0	850	10.4%	22.4%	50
M807	3	12	58.8	3.2	0	8	15	0	850	12.3%	25.1%	50
M808	4	16	53.6	3.2	0	8.2	15	0	850	10.3%	22.4%	50
M809	3	12	58.2	3.2	0	8.6	15	0	850	12.2%	25.1%	50
M810	4	16	53	3.2	0	8.8	15	0	850	10.3%	22.5%	50
M811	3	12	57.6	3.2	0	9.2	15	0	850	12.2%	25.1%	50
M812	4	16	52.4	3.2	0	9.4	15	0	850	10.2%	22.5%	100
M813	3	12	57	3.2	0	9.8	15	0	850	12.2%	25.2%	50
M814	4	16	51.8	3.2	0	10	15	0	850	10.4%	22.6%	100
M815	3	12	56.4	3.2	0	10.4	15	0	850	12.1%	25.2%	50
M816	4	16	51.2	3.2	0	10.6	15	0	850	10.4%	22.6%	100
M817	3	12	55.8	3.2	0	11	15	0	850	12.1%	25.2%	50
M818	4	16	50.6	3.2	0	11.2	15	0	800	10.4%	22.7%	100
M819	3	12	55.2	3.2	0	11.6	15	0	850	12.1%	25.2%	50
M820	4	16	50	3.2	0	11.8	15	0	800	10.3%	22.7%	100
M821	3	12	54.6	3.2	0	12.2	15	0	850	12.1%	25.2%	50
M822	4	16	49.4	3.2	0	12.4	15	0	800	10.3%	22.8%	100
M823	3	12	54	3.2	0	12.8	15	0	850	12.1%	25.3%	50
M824	4	16	48.8	3.2	0	13	15	0	800	10.3%	22.8%	100
M825	3	12	53.4	3.2	0	13.4	15	0	800	12.1%	25.3%	100
M826	4	16	48.2	3.2	0	13.6	15	0	800	10.2%	22.9%	100
M827	3	12	52.8	3.2	0	14	15	0	800	12.1%	25.3%	100
M828	4	16	61.4	3.4	0	0.2	15	0	950	11.0%	21.9%	50
M829	4	16	60.8	3.4	0	0.8	15	0	950	11.0%	22.0%	50

M830	3	12	65.2	3.4	0	1.4	15	0	950	12.7%	25.1%	0
M831	4	16	60	3.4	0	1.6	15	0	950	10.9%	22.0%	50
M832	3	12	64.6	3.4	0	2	15	0	950	12.6%	25.2%	0
M833	4	16	59.4	3.4	0	2.2	15	0	950	10.8%	22.0%	50
M834	3	12	64	3.4	0	2.6	15	0	950	12.6%	25.1%	0
M835	4	16	58.8	3.4	0	2.8	15	0	900	10.8%	22.1%	50
M836	3	12	63.4	3.4	0	3.2	15	0	950	12.5%	25.0%	0
M837	4	16	58.2	3.4	0	3.4	15	0	900	10.7%	22.1%	50
M838	3	12	62.8	3.4	0	3.8	15	0	900	12.5%	25.0%	0
M839	4	16	57.6	3.4	0	4	15	0	900	10.6%	22.2%	50
M840	3	12	62.2	3.4	0	4.4	15	0	900	12.5%	25.0%	0
M841	4	16	57	3.4	0	4.6	15	0	900	10.6%	22.2%	50
M842	3	12	61.6	3.4	0	5	15	0	900	12.4%	25.0%	0
M843	4	16	56.4	3.4	0	5.2	15	0	900	10.5%	22.2%	50
M844	3	12	61	3.4	0	5.6	15	0	900	12.4%	25.0%	0
M845	4	16	55.8	3.4	0	5.8	15	0	900	10.5%	22.3%	50
M846	3	12	60.4	3.4	0	6.2	15	0	900	12.3%	25.0%	0
M847	4	16	55.2	3.4	0	6.4	15	0	850	10.4%	22.3%	50
M848	3	12	59.8	3.4	0	6.8	15	0	900	12.3%	25.1%	0
M849	4	16	54.6	3.4	0	7	15	0	850	10.4%	22.4%	50
M850	3	12	59.2	3.4	0	7.4	15	0	900	12.3%	25.1%	50
M851	4	16	54	3.4	0	7.6	15	0	850	10.3%	22.4%	50
M852	3	12	58.6	3.4	0	8	15	0	850	12.2%	25.1%	50
M853	4	16	53.4	3.4	0	8.2	15	0	850	10.3%	22.4%	50
M854	3	12	58	3.4	0	8.6	15	0	850	12.2%	25.1%	50
M855	4	16	52.8	3.4	0	8.8	15	0	850	10.3%	22.5%	100
M856	3	12	57.4	3.4	0	9.2	15	0	850	12.2%	25.1%	50
M857	4	16	52.2	3.4	0	9.4	15	0	850	10.2%	22.5%	100
M858	3	12	56.8	3.4	0	9.8	15	0	850	12.2%	25.1%	50
M859	4	16	51.6	3.4	0	10	15	0	850	10.2%	22.6%	100
M860	3	12	56.2	3.4	0	10.4	15	0	850	12.1%	25.2%	50
M861	4	16	51	3.4	0	10.6	15	0	850	10.4%	22.6%	100
M862	3	12	55.6	3.4	0	11	15	0	850	12.1%	25.2%	50
M863	4	16	50.4	3.4	0	11.2	15	0	800	10.4%	22.7%	100
M864	3	12	55	3.4	0	11.6	15	0	850	12.1%	25.2%	50
M865	4	16	49.8	3.4	0	11.8	15	0	800	10.3%	22.7%	100
M866	3	12	54.4	3.4	0	12.2	15	0	850	12.1%	25.2%	50
M867	4	16	49.2	3.4	0	12.4	15	0	800	10.3%	22.8%	100
M868	3	12	53.8	3.4	0	12.8	15	0	800	12.1%	25.3%	100
M869	4	16	48.6	3.4	0	13	15	0	800	10.3%	22.8%	100
M870	3	12	53.2	3.4	0	13.4	15	0	800	12.0%	25.3%	100

M871	4	16	48	3.4	0	13.6	15	0	800	10.2%	22.9%	100
M872	3	12	52.6	3.4	0	14	15	0	800	12.1%	25.3%	100
M873	4	16	61.2	3.6	0	0.2	15	0	950	11.0%	21.9%	50
M874	4	16	60.6	3.6	0	0.8	15	0	950	11.0%	22.0%	50
M875	4	16	60.2	3.6	0	1.2	15	0	950	10.9%	22.0%	50
M876	3	12	64.8	3.6	0	1.6	15	0	950	12.7%	25.1%	0
M877	4	16	59.6	3.6	0	1.8	15	0	950	10.9%	22.0%	50
M878	3	12	64.2	3.6	0	2.2	15	0	950	12.6%	25.2%	0
M879	4	16	59	3.6	0	2.4	15	0	900	10.8%	22.1%	50
M880	3	12	63.6	3.6	0	2.8	15	0	950	12.6%	25.1%	0
M881	4	16	58.4	3.6	0	3	15	0	900	10.7%	22.1%	100
M882	3	12	63	3.6	0	3.4	15	0	900	12.5%	25.0%	0
M883	4	16	57.8	3.6	0	3.6	15	0	900	10.7%	22.1%	50
M884	3	12	62.4	3.6	0	4	15	0	900	12.5%	25.0%	0
M885	4	16	57.2	3.6	0	4.2	15	0	900	10.6%	22.2%	50
M886	3	12	61.8	3.6	0	4.6	15	0	900	12.4%	25.0%	0
M887	4	16	56.6	3.6	0	4.8	15	0	900	10.6%	22.2%	50
M888	3	12	61.2	3.6	0	5.2	15	0	900	12.4%	25.0%	0
M889	4	16	56	3.6	0	5.4	15	0	900	10.5%	22.2%	50
M890	3	12	60.6	3.6	0	5.8	15	0	900	12.4%	25.0%	0
M891	4	16	55.4	3.6	0	6	15	0	850	10.5%	22.3%	50
M892	3	12	60	3.6	0	6.4	15	0	900	12.3%	25.0%	0
M893	4	16	54.8	3.6	0	6.6	15	0	850	10.4%	22.3%	50
M894	3	12	59.4	3.6	0	7	15	0	900	12.3%	25.1%	50
M895	4	16	54.2	3.6	0	7.2	15	0	850	10.4%	22.4%	50
M896	3	12	58.8	3.6	0	7.6	15	0	850	12.3%	25.1%	50
M897	4	16	53.6	3.6	0	7.8	15	0	850	10.3%	22.4%	50
M898	3	12	58.2	3.6	0	8.2	15	0	850	12.2%	25.1%	50
M899	4	16	53	3.6	0	8.4	15	0	850	10.3%	22.4%	50
M900	3	12	57.6	3.6	0	8.8	15	0	850	12.2%	25.1%	50
M901	4	16	52.4	3.6	0	9	15	0	850	10.2%	22.5%	100
M902	3	12	57	3.6	0	9.4	15	0	850	12.2%	25.1%	50
M903	4	16	51.8	3.6	0	9.6	15	0	850	10.2%	22.5%	100
M904	3	12	56.4	3.6	0	10	15	0	850	12.2%	25.1%	50
M905	4	16	51.2	3.6	0	10.2	15	0	850	10.2%	22.6%	100
M906	3	12	55.8	3.6	0	10.6	15	0	850	12.1%	25.2%	50
M907	4	16	50.6	3.6	0	10.8	15	0	800	10.4%	22.6%	100
M908	3	12	55.2	3.6	0	11.2	15	0	850	12.1%	25.2%	50
M909	4	16	50	3.6	0	11.4	15	0	800	10.3%	22.7%	100
M910	3	12	54.6	3.6	0	11.8	15	0	850	12.1%	25.2%	50
M911	4	16	49.4	3.6	0	12	15	0	800	10.3%	22.7%	100

M912	3	12	54	3.6	0	12.4	15	0	850	12.1%	25.2%	50
M913	4	16	48.8	3.6	0	12.6	15	0	800	10.3%	22.8%	100
M914	3	12	53.4	3.6	0	13	15	0	800	12.0%	25.3%	100
M915	4	16	48.2	3.6	0	13.2	15	0	800	10.2%	22.8%	100
M916	3	12	52.8	3.6	0	13.6	15	0	800	12.0%	25.3%	100
M917	4	16	47.6	3.6	0	13.8	15	0	800	10.2%	22.9%	100
M918	4	16	61.2	3.8	0	0	15	0	950	11.1%	21.9%	50
M919	4	16	60.6	3.8	0	0.6	15	0	950	11.0%	21.9%	50
M920	4	16	60.2	3.8	0	1	15	0	950	10.9%	22.0%	50
M921	3	12	64.8	3.8	0	1.4	15	0	950	12.7%	25.1%	0
M922	4	16	59.6	3.8	0	1.6	15	0	950	10.9%	22.0%	50
M923	3	12	64.2	3.8	0	2	15	0	950	12.6%	25.2%	0
M924	4	16	59	3.8	0	2.2	15	0	900	10.8%	22.0%	50
M925	3	12	63.6	3.8	0	2.6	15	0	950	12.6%	25.1%	0
M926	4	16	58.4	3.8	0	2.8	15	0	900	10.8%	22.1%	100
M927	3	12	63	3.8	0	3.2	15	0	900	12.5%	25.1%	0
M928	4	16	57.8	3.8	0	3.4	15	0	900	10.7%	22.1%	100
M929	3	12	62.4	3.8	0	3.8	15	0	900	12.5%	25.0%	0
M930	4	16	57.2	3.8	0	4	15	0	900	10.6%	22.1%	50
M931	3	12	61.8	3.8	0	4.4	15	0	900	12.5%	25.0%	0
M932	4	16	56.6	3.8	0	4.6	15	0	900	10.6%	22.2%	50
M933	3	12	61.2	3.8	0	5	15	0	900	12.4%	25.0%	0
M934	4	16	56	3.8	0	5.2	15	0	900	10.5%	22.2%	50
M935	3	12	60.6	3.8	0	5.6	15	0	900	12.4%	25.0%	0
M936	4	16	55.4	3.8	0	5.8	15	0	850	10.5%	22.3%	50
M937	3	12	60	3.8	0	6.2	15	0	900	12.3%	25.0%	0
M938	4	16	54.8	3.8	0	6.4	15	0	850	10.4%	22.3%	50
M939	3	12	59.4	3.8	0	6.8	15	0	900	12.3%	25.0%	0
M940	4	16	54.2	3.8	0	7	15	0	850	10.4%	22.3%	50
M941	3	12	58.8	3.8	0	7.4	15	0	850	12.3%	25.1%	50
M942	4	16	53.6	3.8	0	7.6	15	0	850	10.3%	22.4%	50
M943	3	12	58.2	3.8	0	8	15	0	850	12.2%	25.1%	50
M944	4	16	53	3.8	0	8.2	15	0	850	10.3%	22.4%	50
M945	3	12	57.6	3.8	0	8.6	15	0	850	12.2%	25.1%	50
M946	4	16	52.4	3.8	0	8.8	15	0	850	10.3%	22.5%	100
M947	3	12	57	3.8	0	9.2	15	0	850	12.2%	25.1%	50
M948	4	16	51.8	3.8	0	9.4	15	0	850	10.2%	22.5%	100
M949	3	12	56.4	3.8	0	9.8	15	0	850	12.2%	25.1%	50
M950	4	16	51.2	3.8	0	10	15	0	850	10.2%	22.5%	100
M951	3	12	55.8	3.8	0	10.4	15	0	850	12.1%	25.1%	50
M952	4	16	50.6	3.8	0	10.6	15	0	850	10.4%	22.6%	100

M953	3	12	55.2	3.8	0	11	15	0	850	12.1%	25.2%	50
M954	4	16	50	3.8	0	11.2	15	0	800	10.3%	22.6%	100
M955	3	12	54.6	3.8	0	11.6	15	0	850	12.1%	25.2%	50
M956	4	16	49.4	3.8	0	11.8	15	0	800	10.3%	22.7%	100
M957	3	12	54	3.8	0	12.2	15	0	850	12.1%	25.2%	50
M958	4	16	48.8	3.8	0	12.4	15	0	800	10.3%	22.7%	100
M959	3	12	53.4	3.8	0	12.8	15	0	800	12.0%	25.2%	100
M960	4	16	48.2	3.8	0	13	15	0	800	10.2%	22.8%	100
M961	3	12	52.8	3.8	0	13.4	15	0	800	12.0%	25.3%	100
M962	4	16	47.6	3.8	0	13.6	15	0	800	10.2%	22.8%	100
M963	3	12	52.2	3.8	0	14	15	0	800	12.0%	25.3%	100
M964	4	16	60.8	4	0	0.2	15	0	950	11.0%	21.9%	50
M965	3	12	65.2	4	0	0.8	15	0	950	12.7%	25.1%	-50
M966	4	16	60	4	0	1	15	0	950	11.0%	22.0%	50
M967	3	12	64.6	4	0	1.4	15	0	950	12.7%	25.1%	0
M968	4	16	59.4	4	0	1.6	15	0	900	10.9%	22.0%	50
M969	3	12	64	4	0	2	15	0	950	12.6%	25.2%	0
M970	4	16	58.8	4	0	2.2	15	0	900	10.8%	22.0%	50
M971	3	12	63.4	4	0	2.6	15	0	950	12.6%	25.2%	0
M972	4	16	58.2	4	0	2.8	15	0	900	10.8%	22.1%	100
M973	3	12	62.8	4	0	3.2	15	0	900	12.5%	25.1%	0
M974	4	16	57.6	4	0	3.4	15	0	900	10.7%	22.1%	100
M975	3	12	62.2	4	0	3.8	15	0	900	12.5%	25.0%	0
M976	4	16	57	4	0	4	15	0	900	10.6%	22.1%	100
M977	3	12	61.6	4	0	4.4	15	0	900	12.5%	25.0%	0
M978	4	16	56.4	4	0	4.6	15	0	900	10.6%	22.2%	50
M979	3	12	61	4	0	5	15	0	900	12.4%	25.0%	0
M980	4	16	55.8	4	0	5.2	15	0	900	10.5%	22.2%	50
M981	3	12	60.4	4	0	5.6	15	0	900	12.4%	25.0%	0
M982	4	16	55.2	4	0	5.8	15	0	850	10.5%	22.3%	50
M983	3	12	59.8	4	0	6.2	15	0	900	12.3%	25.0%	0
M984	4	16	54.6	4	0	6.4	15	0	850	10.4%	22.3%	50
M985	3	12	59.2	4	0	6.8	15	0	900	12.3%	25.0%	0
M986	4	16	54	4	0	7	15	0	850	10.4%	22.3%	50
M987	3	12	58.6	4	0	7.4	15	0	850	12.3%	25.1%	50
M988	4	16	53.4	4	0	7.6	15	0	850	10.3%	22.4%	50
M989	3	12	58	4	0	8	15	0	850	12.2%	25.1%	50
M990	4	16	52.8	4	0	8.2	15	0	850	10.3%	22.4%	50
M991	3	12	57.4	4	0	8.6	15	0	850	12.2%	25.1%	50
M992	4	16	52.2	4	0	8.8	15	0	850	10.2%	22.4%	100
M993	3	12	56.8	4	0	9.2	15	0	850	12.2%	25.1%	50

M994	4	16	51.6	4	0	9.4	15	0	850	10.2%	22.5%	100
M995	3	12	56.2	4	0	9.8	15	0	850	12.2%	25.1%	50
M996	4	16	51	4	0	10	15	0	850	10.2%	22.5%	100
M997	3	12	55.6	4	0	10.4	15	0	850	12.1%	25.1%	50
M998	4	16	50.4	4	0	10.6	15	0	800	10.1%	22.6%	100
M999	3	12	55	4	0	11	15	0	850	12.1%	25.2%	50
M1000	4	16	49.8	4	0	11.2	15	0	800	10.3%	22.6%	100
M1001	3	12	54.4	4	0	11.6	15	0	850	12.1%	25.2%	50
M1002	4	16	49.2	4	0	11.8	15	0	800	10.3%	22.7%	100
M1003	3	12	53.8	4	0	12.2	15	0	850	12.1%	25.2%	50
M1004	4	16	48.6	4	0	12.4	15	0	800	10.3%	22.7%	100
M1005	3	12	53.2	4	0	12.8	15	0	800	12.0%	25.2%	100
M1006	4	16	48	4	0	13	15	0	800	10.2%	22.8%	100
M1007	3	12	52.6	4	0	13.4	15	0	800	12.0%	25.2%	100
M1008	4	16	47.4	4	0	13.6	15	0	800	10.2%	22.8%	100
M1009	3	12	52	4	0	14	15	0	800	12.0%	25.3%	100
M1010	4	16	60.6	4.2	0	0.2	15	0	950	11.1%	21.9%	50
M1011	4	16	60.2	4.2	0	0.6	15	0	950	11.0%	21.9%	50
M1012	3	12	64.8	4.2	0	1	15	0	950	12.7%	25.1%	0
M1013	4	16	59.6	4.2	0	1.2	15	0	950	10.9%	22.0%	50
M1014	3	12	64.2	4.2	0	1.6	15	0	950	12.7%	25.1%	0
M1015	4	16	59	4.2	0	1.8	15	0	900	10.9%	22.0%	50
M1016	3	12	63.6	4.2	0	2.2	15	0	950	12.6%	25.2%	0
M1017	4	16	58.4	4.2	0	2.4	15	0	900	10.8%	22.0%	50
M1018	3	12	63	4.2	0	2.8	15	0	900	12.6%	25.2%	0
M1019	4	16	57.8	4.2	0	3	15	0	900	10.7%	22.1%	100
M1020	3	12	62.4	4.2	0	3.4	15	0	900	12.5%	25.1%	0
M1021	4	16	57.2	4.2	0	3.6	15	0	900	10.7%	22.1%	100
M1022	3	12	61.8	4.2	0	4	15	0	900	12.5%	25.0%	0
M1023	4	16	56.6	4.2	0	4.2	15	0	900	10.6%	22.1%	100
M1024	3	12	61.2	4.2	0	4.6	15	0	900	12.4%	25.0%	0
M1025	4	16	56	4.2	0	4.8	15	0	900	10.6%	22.2%	50
M1026	3	12	60.6	4.2	0	5.2	15	0	900	12.4%	25.0%	0
M1027	4	16	55.4	4.2	0	5.4	15	0	850	10.5%	22.2%	50
M1028	3	12	60	4.2	0	5.8	15	0	900	12.4%	25.0%	0
M1029	4	16	54.8	4.2	0	6	15	0	850	10.5%	22.3%	50
M1030	3	12	59.4	4.2	0	6.4	15	0	900	12.3%	25.0%	0
M1031	4	16	54.2	4.2	0	6.6	15	0	850	10.4%	22.3%	50
M1032	3	12	58.8	4.2	0	7	15	0	850	12.3%	25.0%	50
M1033	4	16	53.6	4.2	0	7.2	15	0	850	10.4%	22.3%	50
M1034	3	12	58.2	4.2	0	7.6	15	0	850	12.3%	25.1%	50

M1035	4	16	53	4.2	0	7.8	15	0	850	10.3%	22.4%	50
M1036	3	12	57.6	4.2	0	8.2	15	0	850	12.2%	25.1%	50
M1037	4	16	52.4	4.2	0	8.4	15	0	850	10.3%	22.4%	100
M1038	3	12	57	4.2	0	8.8	15	0	850	12.2%	25.1%	50
M1039	4	16	51.8	4.2	0	9	15	0	850	10.2%	22.5%	100
M1040	3	12	56.4	4.2	0	9.4	15	0	850	12.2%	25.1%	50
M1041	4	16	51.2	4.2	0	9.6	15	0	850	10.2%	22.5%	100
M1042	3	12	55.8	4.2	0	10	15	0	850	12.1%	25.1%	50
M1043	4	16	50.6	4.2	0	10.2	15	0	850	10.1%	22.5%	100
M1044	3	12	55.2	4.2	0	10.6	15	0	850	12.1%	25.1%	50
M1045	4	16	50	4.2	0	10.8	15	0	800	10.1%	22.6%	100
M1046	3	12	54.6	4.2	0	11.2	15	0	850	12.1%	25.2%	50
M1047	4	16	49.4	4.2	0	11.4	15	0	800	10.3%	22.6%	100
M1048	3	12	54	4.2	0	11.8	15	0	850	12.1%	25.2%	50
M1049	4	16	48.8	4.2	0	12	15	0	800	10.3%	22.7%	100
M1050	3	12	53.4	4.2	0	12.4	15	0	800	12.0%	25.2%	50
M1051	4	16	48.2	4.2	0	12.6	15	0	800	10.2%	22.7%	100
M1052	3	12	52.8	4.2	0	13	15	0	800	12.0%	25.2%	100
M1053	4	16	47.6	4.2	0	13.2	15	0	800	10.2%	22.8%	100
M1054	3	12	52.2	4.2	0	13.6	15	0	800	12.0%	25.2%	100
M1055	4	16	47	4.2	0	13.8	15	0	800	10.2%	22.8%	100
M1056	4	16	60.6	4.4	0	0	15	0	950	11.1%	21.9%	50
M1057	4	16	60.2	4.4	0	0.4	15	0	950	11.0%	21.9%	50
M1058	3	12	64.8	4.4	0	0.8	15	0	950	12.7%	25.1%	-50
M1059	4	16	59.6	4.4	0	1	15	0	950	11.0%	22.0%	50
M1060	3	12	64.2	4.4	0	1.4	15	0	950	12.7%	25.1%	0
M1061	4	16	59	4.4	0	1.6	15	0	900	10.9%	22.0%	50
M1062	3	12	63.6	4.4	0	2	15	0	950	12.6%	25.1%	0
M1063	4	16	58.4	4.4	0	2.2	15	0	900	10.8%	22.0%	50
M1064	3	12	63	4.4	0	2.6	15	0	900	12.6%	25.2%	0
M1065	4	16	57.8	4.4	0	2.8	15	0	900	10.8%	22.1%	100
M1066	3	12	62.4	4.4	0	3.2	15	0	900	12.5%	25.1%	0
M1067	4	16	57.2	4.4	0	3.4	15	0	900	10.7%	22.1%	100
M1068	3	12	61.8	4.4	0	3.8	15	0	900	12.5%	25.1%	0
M1069	4	16	56.6	4.4	0	4	15	0	900	10.6%	22.1%	100
M1070	3	12	61.2	4.4	0	4.4	15	0	900	12.5%	25.0%	0
M1071	4	16	56	4.4	0	4.6	15	0	900	10.6%	22.2%	100
M1072	3	12	60.6	4.4	0	5	15	0	900	12.4%	25.0%	0
M1073	4	16	55.4	4.4	0	5.2	15	0	850	10.5%	22.2%	50
M1074	3	12	60	4.4	0	5.6	15	0	900	12.4%	25.0%	0
M1075	4	16	54.8	4.4	0	5.8	15	0	850	10.5%	22.2%	50

M1076	3	12	59.4	4.4	0	6.2	15	0	900	12.3%	25.0%	0
M1077	4	16	54.2	4.4	0	6.4	15	0	850	10.4%	22.3%	50
M1078	3	12	58.8	4.4	0	6.8	15	0	850	12.3%	25.0%	50
M1079	4	16	53.6	4.4	0	7	15	0	850	10.4%	22.3%	50
M1080	3	12	58.2	4.4	0	7.4	15	0	850	12.3%	25.0%	50
M1081	4	16	53	4.4	0	7.6	15	0	850	10.3%	22.4%	50
M1082	3	12	57.6	4.4	0	8	15	0	850	12.2%	25.1%	50
M1083	4	16	52.4	4.4	0	8.2	15	0	850	10.3%	22.4%	50
M1084	3	12	57	4.4	0	8.6	15	0	850	12.2%	25.1%	50
M1085	4	16	51.8	4.4	0	8.8	15	0	850	10.2%	22.4%	100
M1086	3	12	56.4	4.4	0	9.2	15	0	850	12.2%	25.1%	50
M1087	4	16	51.2	4.4	0	9.4	15	0	850	10.2%	22.5%	100
M1088	3	12	55.8	4.4	0	9.8	15	0	850	12.1%	25.1%	50
M1089	4	16	50.6	4.4	0	10	15	0	850	10.2%	22.5%	100
M1090	3	12	55.2	4.4	0	10.4	15	0	850	12.1%	25.1%	50
M1091	4	16	50	4.4	0	10.6	15	0	800	10.1%	22.6%	100
M1092	3	12	54.6	4.4	0	11	15	0	850	12.1%	25.1%	50
M1093	4	16	49.4	4.4	0	11.2	15	0	800	10.3%	22.6%	100
M1094	3	12	54	4.4	0	11.6	15	0	850	12.1%	25.2%	50
M1095	4	16	48.8	4.4	0	11.8	15	0	800	10.3%	22.6%	100
M1096	3	12	53.4	4.4	0	12.2	15	0	800	12.0%	25.2%	50
M1097	4	16	48.2	4.4	0	12.4	15	0	800	10.2%	22.7%	100
M1098	3	12	52.8	4.4	0	12.8	15	0	800	12.0%	25.2%	100
M1099	4	16	47.6	4.4	0	13	15	0	800	10.2%	22.7%	100
M1100	3	12	52.2	4.4	0	13.4	15	0	800	12.0%	25.2%	100
M1101	4	16	47	4.4	0	13.6	15	0	800	10.2%	22.8%	100
M1102	3	12	51.6	4.4	0	14	15	0	800	12.0%	25.2%	100
M1103	3	12	65.2	4.6	0	0.2	15	0	950	12.8%	25.0%	-50
M1104	4	16	60	4.6	0	0.4	15	0	950	11.0%	21.9%	50
M1105	3	12	64.6	4.6	0	0.8	15	0	950	12.7%	25.0%	-50
M1106	4	16	59.4	4.6	0	1	15	0	900	11.0%	22.0%	50
M1107	3	12	64	4.6	0	1.4	15	0	950	12.7%	25.1%	0
M1108	4	16	58.8	4.6	0	1.6	15	0	900	10.9%	22.0%	50
M1109	3	12	63.4	4.6	0	2	15	0	900	12.6%	25.1%	0
M1110	4	16	58.2	4.6	0	2.2	15	0	900	10.8%	22.0%	50
M1111	3	12	62.8	4.6	0	2.6	15	0	900	12.6%	25.2%	0
M1112	4	16	57.6	4.6	0	2.8	15	0	900	10.8%	22.1%	100
M1113	3	12	62.2	4.6	0	3.2	15	0	900	12.5%	25.2%	0
M1114	4	16	57	4.6	0	3.4	15	0	900	10.7%	22.1%	100
M1115	3	12	61.6	4.6	0	3.8	15	0	900	12.5%	25.1%	0
M1116	4	16	56.4	4.6	0	4	15	0	900	10.6%	22.1%	100

M1117	3	12	61	4.6	0	4.4	15	0	900	12.5%	25.0%	0
M1118	4	16	55.8	4.6	0	4.6	15	0	900	10.6%	22.2%	100
M1119	3	12	60.4	4.6	0	5	15	0	900	12.4%	25.0%	0
M1120	4	16	55.2	4.6	0	5.2	15	0	850	10.5%	22.2%	100
M1121	3	12	59.8	4.6	0	5.6	15	0	900	12.4%	25.0%	0
M1122	4	16	54.6	4.6	0	5.8	15	0	850	10.5%	22.2%	50
M1123	3	12	59.2	4.6	0	6.2	15	0	850	12.3%	25.0%	0
M1124	4	16	54	4.6	0	6.4	15	0	850	10.4%	22.3%	50
M1125	3	12	58.6	4.6	0	6.8	15	0	850	12.3%	25.0%	50
M1126	4	16	53.4	4.6	0	7	15	0	850	10.4%	22.3%	50
M1127	3	12	58	4.6	0	7.4	15	0	850	12.3%	25.0%	50
M1128	4	16	52.8	4.6	0	7.6	15	0	850	10.3%	22.3%	50
M1129	3	12	57.4	4.6	0	8	15	0	850	12.2%	25.1%	50
M1130	4	16	52.2	4.6	0	8.2	15	0	850	10.3%	22.4%	100
M1131	3	12	56.8	4.6	0	8.6	15	0	850	12.2%	25.1%	50
M1132	4	16	51.6	4.6	0	8.8	15	0	850	10.2%	22.4%	100
M1133	3	12	56.2	4.6	0	9.2	15	0	850	12.2%	25.1%	50
M1134	4	16	51	4.6	0	9.4	15	0	850	10.2%	22.5%	100
M1135	3	12	55.6	4.6	0	9.8	15	0	850	12.1%	25.1%	50
M1136	4	16	50.4	4.6	0	10	15	0	850	10.1%	22.5%	100
M1137	3	12	55	4.6	0	10.4	15	0	850	12.1%	25.1%	50
M1138	4	16	49.8	4.6	0	10.6	15	0	800	10.1%	22.5%	100
M1139	3	12	54.4	4.6	0	11	15	0	850	12.1%	25.1%	50
M1140	4	16	49.2	4.6	0	11.2	15	0	800	10.1%	22.6%	100
M1141	3	12	53.8	4.6	0	11.6	15	0	850	12.1%	25.2%	50
M1142	4	16	48.6	4.6	0	11.8	15	0	800	10.3%	22.6%	100
M1143	3	12	53.2	4.6	0	12.2	15	0	800	12.0%	25.2%	50
M1144	4	16	48	4.6	0	12.4	15	0	800	10.2%	22.7%	100
M1145	3	12	52.6	4.6	0	12.8	15	0	800	12.0%	25.2%	100
M1146	4	16	47.4	4.6	0	13	15	0	800	10.2%	22.7%	100
M1147	3	12	52	4.6	0	13.4	15	0	800	12.0%	25.2%	100
M1148	4	16	46.8	4.6	0	13.6	15	0	800	10.2%	22.8%	100
M1149	3	12	51.4	4.6	0	14	15	0	800	12.0%	25.2%	100
M1150	4	16	60.2	4.8	0	0	15	0	950	11.1%	21.9%	50
M1151	3	12	64.8	4.8	0	0.4	15	0	950	12.8%	25.0%	-50
M1152	4	16	59.6	4.8	0	0.6	15	0	950	11.0%	21.9%	50
M1153	3	12	64.2	4.8	0	1	15	0	950	12.7%	25.1%	0
M1154	4	16	59	4.8	0	1.2	15	0	900	11.0%	22.0%	50
M1155	3	12	63.6	4.8	0	1.6	15	0	950	12.7%	25.1%	0
M1156	4	16	58.4	4.8	0	1.8	15	0	900	10.9%	22.0%	50
M1157	3	12	63	4.8	0	2.2	15	0	900	12.6%	25.1%	0

M1158	4	16	57.8	4.8	0	2.4	15	0	900	10.8%	22.0%	100
M1159	3	12	62.4	4.8	0	2.8	15	0	900	12.6%	25.2%	0
M1160	4	16	57.2	4.8	0	3	15	0	900	10.8%	22.1%	100
M1161	3	12	61.8	4.8	0	3.4	15	0	900	12.5%	25.2%	0
M1162	4	16	56.6	4.8	0	3.6	15	0	900	10.7%	22.1%	100
M1163	3	12	61.2	4.8	0	4	15	0	900	12.5%	25.1%	0
M1164	4	16	56	4.8	0	4.2	15	0	900	10.6%	22.1%	100
M1165	3	12	60.6	4.8	0	4.6	15	0	900	12.4%	25.0%	0
M1166	4	16	55.4	4.8	0	4.8	15	0	850	10.6%	22.2%	100
M1167	3	12	60	4.8	0	5.2	15	0	900	12.4%	25.0%	0
M1168	4	16	54.8	4.8	0	5.4	15	0	850	10.5%	22.2%	100
M1169	3	12	59.4	4.8	0	5.8	15	0	850	12.4%	25.0%	0
M1170	4	16	54.2	4.8	0	6	15	0	850	10.5%	22.2%	50
M1171	3	12	58.8	4.8	0	6.4	15	0	850	12.3%	25.0%	0
M1172	4	16	53.6	4.8	0	6.6	15	0	850	10.4%	22.3%	50
M1173	3	12	58.2	4.8	0	7	15	0	850	12.3%	25.0%	50
M1174	4	16	53	4.8	0	7.2	15	0	850	10.4%	22.3%	50
M1175	3	12	57.6	4.8	0	7.6	15	0	850	12.3%	25.0%	50
M1176	4	16	52.4	4.8	0	7.8	15	0	850	10.3%	22.3%	50
M1177	3	12	57	4.8	0	8.2	15	0	850	12.2%	25.1%	50
M1178	4	16	51.8	4.8	0	8.4	15	0	850	10.3%	22.4%	100
M1179	3	12	56.4	4.8	0	8.8	15	0	850	12.2%	25.1%	100
M1180	4	16	51.2	4.8	0	9	15	0	850	10.2%	22.4%	100
M1181	3	12	55.8	4.8	0	9.4	15	0	850	12.2%	25.1%	50
M1182	4	16	50.6	4.8	0	9.6	15	0	850	10.2%	22.5%	100
M1183	3	12	55.2	4.8	0	10	15	0	850	12.1%	25.1%	50
M1184	4	16	50	4.8	0	10.2	15	0	800	10.1%	22.5%	100
M1185	3	12	54.6	4.8	0	10.6	15	0	850	12.1%	25.1%	50
M1186	4	16	49.4	4.8	0	10.8	15	0	800	10.1%	22.6%	100
M1187	3	12	54	4.8	0	11.2	15	0	850	12.1%	25.1%	50
M1188	4	16	48.8	4.8	0	11.4	15	0	800	10.0%	22.6%	100
M1189	3	12	53.4	4.8	0	11.8	15	0	800	12.0%	25.2%	50
M1190	4	16	48.2	4.8	0	12	15	0	800	10.2%	22.6%	100
M1191	3	12	52.8	4.8	0	12.4	15	0	800	12.0%	25.2%	100
M1192	4	16	47.6	4.8	0	12.6	15	0	800	10.2%	22.7%	100
M1193	3	12	52.2	4.8	0	13	15	0	800	12.0%	25.2%	100
M1194	4	16	47	4.8	0	13.2	15	0	800	10.2%	22.7%	100
M1195	3	12	51.6	4.8	0	13.6	15	0	800	12.0%	25.2%	100
M1196	4	16	46.4	4.8	0	13.8	15	0	800	10.1%	22.8%	100
M1197	3	12	65	5	0	0	15	0	950	12.8%	25.0%	-50
M1198	4	16	59.8	5	0	0.2	15	0	950	11.1%	21.9%	50

M1199	3	12	64.4	5	0	0.6	15	0	950	12.8%	25.0%	-50
M1200	4	16	59.2	5	0	0.8	15	0	900	11.0%	21.9%	50
M1201	3	12	63.8	5	0	1.2	15	0	950	12.7%	25.1%	0
M1202	4	16	58.6	5	0	1.4	15	0	900	10.9%	22.0%	50
M1203	3	12	63.2	5	0	1.8	15	0	900	12.7%	25.1%	0
M1204	4	16	58	5	0	2	15	0	900	10.9%	22.0%	50
M1205	3	12	62.6	5	0	2.4	15	0	900	12.6%	25.1%	0
M1206	4	16	57.4	5	0	2.6	15	0	900	10.8%	22.0%	100
M1207	3	12	62	5	0	3	15	0	900	12.6%	25.2%	0
M1208	4	16	56.8	5	0	3.2	15	0	900	10.7%	22.1%	100
M1209	3	12	61.4	5	0	3.6	15	0	900	12.5%	25.2%	0
M1210	4	16	56.2	5	0	3.8	15	0	900	10.7%	22.1%	100
M1211	3	12	60.8	5	0	4.2	15	0	900	12.5%	25.1%	0
M1212	4	16	55.6	5	0	4.4	15	0	850	10.6%	22.1%	100
M1213	3	12	60.2	5	0	4.8	15	0	900	12.4%	25.0%	0
M1214	4	16	55	5	0	5	15	0	850	10.6%	22.2%	100
M1215	3	12	59.6	5	0	5.4	15	0	900	12.4%	25.0%	0
M1216	4	16	54.4	5	0	5.6	15	0	850	10.5%	22.2%	100
M1217	3	12	59	5	0	6	15	0	850	12.3%	25.0%	0
M1218	4	16	53.8	5	0	6.2	15	0	850	10.4%	22.2%	50
M1219	3	12	58.4	5	0	6.6	15	0	850	12.3%	25.0%	50
M1220	4	16	53.2	5	0	6.8	15	0	850	10.4%	22.3%	50
M1221	3	12	57.8	5	0	7.2	15	0	850	12.3%	25.0%	50
M1222	4	16	52.6	5	0	7.4	15	0	850	10.3%	22.3%	50
M1223	3	12	57.2	5	0	7.8	15	0	850	12.2%	25.0%	50
M1224	4	16	52	5	0	8	15	0	850	10.3%	22.4%	50
M1225	3	12	56.6	5	0	8.4	15	0	850	12.2%	25.1%	50
M1226	4	16	51.4	5	0	8.6	15	0	850	10.2%	22.4%	100
M1227	3	12	56	5	0	9	15	0	850	12.2%	25.1%	100
M1228	4	16	50.8	5	0	9.2	15	0	850	10.2%	22.4%	100
M1229	3	12	55.4	5	0	9.6	15	0	850	12.1%	25.1%	50
M1230	4	16	50.2	5	0	9.8	15	0	850	10.1%	22.5%	100
M1231	3	12	54.8	5	0	10.2	15	0	850	12.1%	25.1%	50
M1232	4	16	49.6	5	0	10.4	15	0	800	10.1%	22.5%	100
M1233	3	12	54.2	5	0	10.8	15	0	850	12.1%	25.1%	50
M1234	4	16	49	5	0	11	15	0	800	10.1%	22.6%	100
M1235	3	12	53.6	5	0	11.4	15	0	850	12.1%	25.1%	50
M1236	4	16	48.4	5	0	11.6	15	0	800	10.2%	22.6%	100
M1237	3	12	53	5	0	12	15	0	800	12.0%	25.2%	50
M1238	4	16	47.8	5	0	12.2	15	0	800	10.2%	22.6%	100
M1239	3	12	52.4	5	0	12.6	15	0	800	12.0%	25.2%	100

M1240	4	16	47.2	5	0	12.8	15	0	800	10.2%	22.7%	100
M1241	3	12	51.8	5	0	13.2	15	0	800	12.0%	25.2%	100
M1242	4	16	46.6	5	0	13.4	15	0	800	10.1%	22.7%	100
M1243	3	12	51.2	5	0	13.8	15	0	800	12.0%	25.2%	100
M1244	4	16	46	5	0	14	15	0	800	10.1%	22.8%	150
M1245	3	12	64.6	5.2	0	0.2	15	0	950	12.8%	25.0%	-50
M1246	4	16	59.4	5.2	0	0.4	15	0	900	11.1%	21.9%	50
M1247	3	12	64	5.2	0	0.8	15	0	950	12.8%	25.0%	0
M1248	4	16	58.8	5.2	0	1	15	0	900	11.0%	21.9%	50
M1249	3	12	63.4	5.2	0	1.4	15	0	900	12.7%	25.1%	0
M1250	4	16	58.2	5.2	0	1.6	15	0	900	10.9%	22.0%	50
M1251	3	12	62.8	5.2	0	2	15	0	900	12.7%	25.1%	0
M1252	4	16	57.6	5.2	0	2.2	15	0	900	10.9%	22.0%	100
M1253	3	12	62.2	5.2	0	2.6	15	0	900	12.6%	25.1%	0
M1254	4	16	57	5.2	0	2.8	15	0	900	10.8%	22.0%	100
M1255	3	12	61.6	5.2	0	3.2	15	0	900	12.6%	25.2%	0
M1256	4	16	56.4	5.2	0	3.4	15	0	900	10.7%	22.1%	100
M1257	3	12	61	5.2	0	3.8	15	0	900	12.5%	25.1%	0
M1258	4	16	55.8	5.2	0	4	15	0	850	10.7%	22.1%	100
M1259	3	12	60.4	5.2	0	4.4	15	0	900	12.5%	25.1%	0
M1260	4	16	55.2	5.2	0	4.6	15	0	850	10.6%	22.1%	100
M1261	3	12	59.8	5.2	0	5	15	0	900	12.4%	25.0%	0
M1262	4	16	54.6	5.2	0	5.2	15	0	850	10.5%	22.2%	100
M1263	3	12	59.2	5.2	0	5.6	15	0	850	12.4%	25.0%	0
M1264	4	16	54	5.2	0	5.8	15	0	850	10.5%	22.2%	100
M1265	3	12	58.6	5.2	0	6.2	15	0	850	12.3%	25.0%	0
M1266	4	16	53.4	5.2	0	6.4	15	0	850	10.4%	22.2%	100
M1267	3	12	58	5.2	0	6.8	15	0	850	12.3%	25.0%	50
M1268	4	16	52.8	5.2	0	7	15	0	850	10.4%	22.3%	50
M1269	3	12	57.4	5.2	0	7.4	15	0	850	12.3%	25.0%	50
M1270	4	16	52.2	5.2	0	7.6	15	0	850	10.3%	22.3%	50
M1271	3	12	56.8	5.2	0	8	15	0	850	12.2%	25.0%	50
M1272	4	16	51.6	5.2	0	8.2	15	0	850	10.3%	22.4%	100
M1273	3	12	56.2	5.2	0	8.6	15	0	850	12.2%	25.1%	100
M1274	4	16	51	5.2	0	8.8	15	0	850	10.2%	22.4%	100
M1275	3	12	55.6	5.2	0	9.2	15	0	850	12.2%	25.1%	100
M1276	4	16	50.4	5.2	0	9.4	15	0	850	10.2%	22.4%	100
M1277	3	12	55	5.2	0	9.8	15	0	850	12.1%	25.1%	50
M1278	4	16	49.8	5.2	0	10	15	0	800	10.1%	22.5%	100
M1279	3	12	54.4	5.2	0	10.4	15	0	850	12.1%	25.1%	50
M1280	4	16	49.2	5.2	0	10.6	15	0	800	10.1%	22.5%	100

M1281	3	12	53.8	5.2	0	11	15	0	850	12.1%	25.1%	50
M1282	4	16	48.6	5.2	0	11.2	15	0	800	10.0%	22.6%	100
M1283	3	12	53.2	5.2	0	11.6	15	0	800	12.0%	25.1%	50
M1284	4	16	48	5.2	0	11.8	15	0	800	10.2%	22.6%	100
M1285	3	12	52.6	5.2	0	12.2	15	0	800	12.0%	25.1%	100
M1286	4	16	47.4	5.2	0	12.4	15	0	800	10.2%	22.6%	100
M1287	3	12	52	5.2	0	12.8	15	0	800	12.0%	25.2%	100
M1288	4	16	46.8	5.2	0	13	15	0	800	10.2%	22.7%	100
M1289	3	12	51.4	5.2	0	13.4	15	0	800	12.0%	25.2%	100
M1290	4	16	46.2	5.2	0	13.6	15	0	800	10.1%	22.7%	100
M1291	3	12	50.8	5.2	0	14	15	0	800	12.0%	25.2%	100
M1292	4	16	59.6	5.4	0	0	15	0	900	11.1%	21.9%	50
M1293	3	12	64.2	5.4	0	0.4	15	0	950	12.8%	25.0%	-50
M1294	4	16	59	5.4	0	0.6	15	0	900	11.1%	21.9%	50
M1295	3	12	63.6	5.4	0	1	15	0	900	12.7%	25.0%	0
M1296	4	16	58.4	5.4	0	1.2	15	0	900	11.0%	22.0%	50
M1297	3	12	63	5.4	0	1.6	15	0	900	12.7%	25.1%	0
M1298	4	16	57.8	5.4	0	1.8	15	0	900	10.9%	22.0%	50
M1299	3	12	62.4	5.4	0	2.2	15	0	900	12.6%	25.1%	0
M1300	4	16	57.2	5.4	0	2.4	15	0	900	10.8%	22.0%	100
M1301	3	12	61.8	5.4	0	2.8	15	0	900	12.6%	25.2%	0
M1302	4	16	56.6	5.4	0	3	15	0	900	10.8%	22.0%	100
M1303	3	12	61.2	5.4	0	3.4	15	0	900	12.5%	25.2%	0
M1304	4	16	56	5.4	0	3.6	15	0	900	10.7%	22.1%	100
M1305	3	12	60.6	5.4	0	4	15	0	900	12.5%	25.1%	0
M1306	4	16	55.4	5.4	0	4.2	15	0	850	10.6%	22.1%	100
M1307	3	12	60	5.4	0	4.6	15	0	900	12.4%	25.1%	0
M1308	4	16	54.8	5.4	0	4.8	15	0	850	10.6%	22.1%	100
M1309	3	12	59.4	5.4	0	5.2	15	0	850	12.4%	25.0%	0
M1310	4	16	54.2	5.4	0	5.4	15	0	850	10.5%	22.2%	100
M1311	3	12	58.8	5.4	0	5.8	15	0	850	12.4%	25.0%	0
M1312	4	16	53.6	5.4	0	6	15	0	850	10.5%	22.2%	100
M1313	3	12	58.2	5.4	0	6.4	15	0	850	12.3%	25.0%	0
M1314	4	16	53	5.4	0	6.6	15	0	850	10.4%	22.2%	100
M1315	3	12	57.6	5.4	0	7	15	0	850	12.3%	25.0%	50
M1316	4	16	52.4	5.4	0	7.2	15	0	850	10.3%	22.3%	50
M1317	3	12	57	5.4	0	7.6	15	0	850	12.2%	25.0%	50
M1318	4	16	51.8	5.4	0	7.8	15	0	850	10.3%	22.3%	50
M1319	3	12	56.4	5.4	0	8.2	15	0	850	12.2%	25.0%	100
M1320	4	16	51.2	5.4	0	8.4	15	0	850	10.2%	22.4%	100
M1321	3	12	55.8	5.4	0	8.8	15	0	850	12.2%	25.0%	100

M1322	4	16	50.6	5.4	0	9	15	0	850	10.2%	22.4%	100
M1323	3	12	55.2	5.4	0	9.4	15	0	850	12.1%	25.1%	50
M1324	4	16	50	5.4	0	9.6	15	0	800	10.1%	22.4%	100
M1325	3	12	54.6	5.4	0	10	15	0	850	12.1%	25.1%	50
M1326	4	16	49.4	5.4	0	10.2	15	0	800	10.1%	22.5%	100
M1327	3	12	54	5.4	0	10.6	15	0	850	12.1%	25.1%	50
M1328	4	16	48.8	5.4	0	10.8	15	0	800	10.1%	22.5%	100
M1329	3	12	53.4	5.4	0	11.2	15	0	800	12.1%	25.1%	50
M1330	4	16	48.2	5.4	0	11.4	15	0	800	10.0%	22.6%	100
M1331	3	12	52.8	5.4	0	11.8	15	0	800	12.0%	25.1%	50
M1332	4	16	47.6	5.4	0	12	15	0	800	10.2%	22.6%	100
M1333	3	12	52.2	5.4	0	12.4	15	0	800	12.0%	25.1%	100
M1334	4	16	47	5.4	0	12.6	15	0	800	10.2%	22.7%	100
M1335	3	12	51.6	5.4	0	13	15	0	800	12.0%	25.2%	100
M1336	4	16	46.4	5.4	0	13.2	15	0	800	10.1%	22.7%	100
M1337	3	12	51	5.4	0	13.6	15	0	800	12.0%	25.2%	100
M1338	4	16	45.8	5.4	0	13.8	15	0	800	10.1%	22.7%	150
M1339	3	12	64.4	5.6	0	0	15	0	950	12.8%	25.0%	-50
M1340	4	16	59.2	5.6	0	0.2	15	0	900	11.1%	21.9%	50
M1341	3	12	63.8	5.6	0	0.6	15	0	900	12.8%	25.0%	-50
M1342	4	16	58.6	5.6	0	0.8	15	0	900	11.0%	21.9%	50
M1343	3	12	63.2	5.6	0	1.2	15	0	900	12.7%	25.0%	0
M1344	4	16	58	5.6	0	1.4	15	0	900	11.0%	22.0%	50
M1345	3	12	62.6	5.6	0	1.8	15	0	900	12.7%	25.1%	0
M1346	4	16	57.4	5.6	0	2	15	0	900	10.9%	22.0%	50
M1347	3	12	62	5.6	0	2.4	15	0	900	12.6%	25.1%	0
M1348	4	16	56.8	5.6	0	2.6	15	0	900	10.8%	22.0%	100
M1349	3	12	61.4	5.6	0	3	15	0	900	12.6%	25.2%	0
M1350	4	16	56.2	5.6	0	3.2	15	0	900	10.7%	22.1%	100
M1351	3	12	60.8	5.6	0	3.6	15	0	900	12.5%	25.2%	0
M1352	4	16	55.6	5.6	0	3.8	15	0	850	10.7%	22.1%	100
M1353	3	12	60.2	5.6	0	4.2	15	0	900	12.5%	25.1%	0
M1354	4	16	55	5.6	0	4.4	15	0	850	10.6%	22.1%	100
M1355	3	12	59.6	5.6	0	4.8	15	0	850	12.4%	25.1%	0
M1356	4	16	54.4	5.6	0	5	15	0	850	10.6%	22.2%	100
M1357	3	12	59	5.6	0	5.4	15	0	850	12.4%	25.0%	0
M1358	4	16	53.8	5.6	0	5.6	15	0	850	10.5%	22.2%	100
M1359	3	12	58.4	5.6	0	6	15	0	850	12.3%	25.0%	0
M1360	4	16	53.2	5.6	0	6.2	15	0	850	10.4%	22.2%	100
M1361	3	12	57.8	5.6	0	6.6	15	0	850	12.3%	25.0%	50
M1362	4	16	52.6	5.6	0	6.8	15	0	850	10.4%	22.3%	100

M1363	3	12	57.2	5.6	0	7.2	15	0	850	12.3%	25.0%	50
M1364	4	16	52	5.6	0	7.4	15	0	850	10.3%	22.3%	50
M1365	3	12	56.6	5.6	0	7.8	15	0	850	12.2%	25.0%	50
M1366	4	16	51.4	5.6	0	8	15	0	850	10.3%	22.3%	100
M1367	3	12	56	5.6	0	8.4	15	0	850	12.2%	25.0%	100
M1368	4	16	50.8	5.6	0	8.6	15	0	850	10.2%	22.4%	100
M1369	3	12	55.4	5.6	0	9	15	0	850	12.2%	25.0%	100
M1370	4	16	50.2	5.6	0	9.2	15	0	850	10.2%	22.4%	100
M1371	3	12	54.8	5.6	0	9.6	15	0	850	12.1%	25.1%	50
M1372	4	16	49.6	5.6	0	9.8	15	0	800	10.1%	22.4%	100
M1373	3	12	54.2	5.6	0	10.2	15	0	850	12.1%	25.1%	50
M1374	4	16	49	5.6	0	10.4	15	0	800	10.1%	22.5%	100
M1375	3	12	53.6	5.6	0	10.8	15	0	850	12.1%	25.1%	50
M1376	4	16	48.4	5.6	0	11	15	0	800	10.0%	22.5%	100
M1377	3	12	53	5.6	0	11.4	15	0	800	12.0%	25.1%	50
M1378	4	16	47.8	5.6	0	11.6	15	0	800	10.0%	22.6%	100
M1379	3	12	52.4	5.6	0	12	15	0	800	12.0%	25.1%	100
M1380	4	16	47.2	5.6	0	12.2	15	0	800	10.2%	22.6%	100
M1381	3	12	51.8	5.6	0	12.6	15	0	800	12.0%	25.1%	100
M1382	4	16	46.6	5.6	0	12.8	15	0	800	10.1%	22.7%	100
M1383	3	12	51.2	5.6	0	13.2	15	0	800	12.0%	25.2%	100
M1384	4	16	46	5.6	0	13.4	15	0	800	10.1%	22.7%	100
M1385	3	12	50.6	5.6	0	13.8	15	0	800	11.9%	25.2%	100
M1386	4	16	45.4	5.6	0	14	15	0	800	10.1%	22.7%	150
M1387	3	12	64	5.8	0	0.2	15	0	950	12.8%	25.0%	-50
M1388	4	16	58.8	5.8	0	0.4	15	0	900	11.1%	21.9%	50
M1389	3	12	63.4	5.8	0	0.8	15	0	900	12.8%	25.0%	0
M1390	4	16	58.2	5.8	0	1	15	0	900	11.0%	21.9%	50
M1391	3	12	62.8	5.8	0	1.4	15	0	900	12.7%	25.0%	0
M1392	4	16	57.6	5.8	0	1.6	15	0	900	10.9%	22.0%	50
M1393	3	12	62.2	5.8	0	2	15	0	900	12.7%	25.1%	0
M1394	4	16	57	5.8	0	2.2	15	0	900	10.9%	22.0%	100
M1395	3	12	61.6	5.8	0	2.6	15	0	900	12.6%	25.1%	0
M1396	4	16	56.4	5.8	0	2.8	15	0	900	10.8%	22.0%	100
M1397	3	12	61	5.8	0	3.2	15	0	900	12.6%	25.2%	0
M1398	4	16	55.8	5.8	0	3.4	15	0	850	10.7%	22.1%	100
M1399	3	12	60.4	5.8	0	3.8	15	0	900	12.5%	25.2%	0
M1400	4	16	55.2	5.8	0	4	15	0	850	10.7%	22.1%	100
M1401	3	12	59.8	5.8	0	4.4	15	0	850	12.5%	25.1%	0
M1402	4	16	54.6	5.8	0	4.6	15	0	850	10.6%	22.1%	100
M1403	3	12	59.2	5.8	0	5	15	0	850	12.4%	25.1%	0

M1404	4	16	54	5.8	0	5.2	15	0	850	10.5%	22.2%	100
M1405	3	12	58.6	5.8	0	5.6	15	0	850	12.4%	25.0%	0
M1406	4	16	53.4	5.8	0	5.8	15	0	850	10.5%	22.2%	100
M1407	3	12	58	5.8	0	6.2	15	0	850	12.3%	25.0%	0
M1408	4	16	52.8	5.8	0	6.4	15	0	850	10.4%	22.2%	100
M1409	3	12	57.4	5.8	0	6.8	15	0	850	12.3%	25.0%	50
M1410	4	16	52.2	5.8	0	7	15	0	850	10.4%	22.3%	100
M1411	3	12	56.8	5.8	0	7.4	15	0	850	12.3%	25.0%	50
M1412	4	16	51.6	5.8	0	7.6	15	0	850	10.3%	22.3%	50
M1413	3	12	56.2	5.8	0	8	15	0	850	12.2%	25.0%	100
M1414	4	16	51	5.8	0	8.2	15	0	850	10.2%	22.3%	100
M1415	3	12	55.6	5.8	0	8.6	15	0	850	12.2%	25.0%	100
M1416	4	16	50.4	5.8	0	8.8	15	0	850	10.2%	22.4%	100
M1417	3	12	55	5.8	0	9.2	15	0	850	12.1%	25.0%	100
M1418	4	16	49.8	5.8	0	9.4	15	0	800	10.1%	22.4%	100
M1419	3	12	54.4	5.8	0	9.8	15	0	850	12.1%	25.1%	50
M1420	4	16	49.2	5.8	0	10	15	0	800	10.1%	22.4%	100
M1421	3	12	53.8	5.8	0	10.4	15	0	850	12.1%	25.1%	50
M1422	4	16	48.6	5.8	0	10.6	15	0	800	10.1%	22.5%	100
M1423	3	12	53.2	5.8	0	11	15	0	800	12.1%	25.1%	50
M1424	4	16	48	5.8	0	11.2	15	0	800	10.0%	22.5%	100
M1425	3	12	52.6	5.8	0	11.6	15	0	800	12.0%	25.1%	50
M1426	4	16	47.4	5.8	0	11.8	15	0	800	10.0%	22.6%	100
M1427	3	12	52	5.8	0	12.2	15	0	800	12.0%	25.1%	100
M1428	4	16	46.8	5.8	0	12.4	15	0	800	10.2%	22.6%	100
M1429	3	12	51.4	5.8	0	12.8	15	0	800	12.0%	25.1%	100
M1430	4	16	46.2	5.8	0	13	15	0	800	10.1%	22.7%	100
M1431	3	12	50.8	5.8	0	13.4	15	0	800	12.0%	25.2%	100
M1432	4	16	45.6	5.8	0	13.6	15	0	800	10.1%	22.7%	150
M1433	3	12	50.2	5.8	0	14	15	0	800	11.9%	25.2%	100
M1434	2.2	10	71.8	6	0	0	10	0	900	10.4%	17.3%	-50
M1435	2.6	10	71.4	6	0	0	10	0	900	9.0%	17.2%	-50
M1436	2	10	71.5	6	0	0	10.5	0	950	10.5%	17.4%	-50
M1437	2.5	10	70.5	6	0	0	11	0	900	10.2%	19.1%	-50
M1438	3	10	69.5	6	0	0	11.5	0	900	8.8%	20.0%	-50
M1439	2	10.2	71.8	6	0	0	10	0	950	10.7%	17.0%	-50
M1440	2.5	10.2	71.3	6	0	0	10	0	900	9.5%	17.1%	-50
M1441	3	10.2	70.8	6	0	0	10	0	900	7.8%	17.1%	-50
M1442	3	10.2	70.3	6	0	0	10.5	0	900	8.1%	18.0%	-50
M1443	2.5	10.2	69.8	6	0	0	11.5	0	900	10.7%	19.9%	-50
M1444	3	10.2	68.8	6	0	0	12	0	900	9.2%	20.8%	-50

M1445	2.4	10.4	71.2	6	0	0	10	0	900	10.0%	17.0%	-50
M1446	2.8	10.4	70.8	6	0	0	10	0	900	8.5%	16.9%	-50
M1447	2.5	10.4	70.6	6	0	0	10.5	0	900	10.0%	17.9%	-50
M1448	3	10.4	69.6	6	0	0	11	0	900	8.6%	18.8%	-50
M1449	2.5	10.4	69.1	6	0	0	12	0	900	11.0%	20.7%	-50
M1450	2.2	10.6	71.2	6	0	0	10	0	900	10.9%	16.9%	-50
M1451	2.6	10.6	70.8	6	0	0	10	0	900	9.3%	16.8%	-50
M1452	2	10.6	70.9	6	0	0	10.5	0	950	11.2%	17.4%	-50
M1453	2.5	10.6	69.9	6	0	0	11	0	900	10.5%	18.7%	-50
M1454	3	10.6	68.9	6	0	0	11.5	0	900	9.1%	19.6%	-50
M1455	2	10.8	71.2	6	0	0	10	0	950	11.3%	16.9%	-50
M1456	2.5	10.8	70.7	6	0	0	10	0	900	9.8%	16.7%	-50
M1457	3	10.8	70.2	6	0	0	10	0	900	8.1%	16.7%	-50
M1458	3	10.8	69.7	6	0	0	10.5	0	900	8.4%	17.6%	-50
M1459	2.5	10.8	69.2	6	0	0	11.5	0	900	11.1%	19.5%	-50
M1460	3	10.8	68.2	6	0	0	12	0	900	9.6%	20.3%	-50
M1461	2.4	11	70.6	6	0	0	10	0	900	10.3%	16.6%	-50
M1462	2.8	11	70.2	6	0	0	10	0	900	8.9%	16.5%	-50
M1463	2.5	11	70	6	0	0	10.5	0	900	10.3%	17.5%	-50
M1464	3	11	69	6	0	0	11	0	900	8.9%	18.4%	-50
M1465	2.5	11	68.5	6	0	0	12	0	900	11.6%	20.3%	-50
M1466	2.2	11.2	70.6	6	0	0	10	0	900	11.2%	16.5%	-50
M1467	2.6	11.2	70.2	6	0	0	10	0	900	9.7%	16.4%	-50
M1468	2.5	11.2	69.8	6	0	0	10.5	0	900	10.5%	17.4%	-50
M1469	3	11.2	68.8	6	0	0	11	0	900	9.0%	18.3%	-50
M1470	2.5	11.2	68.3	6	0	0	12	0	900	11.7%	20.2%	-50
M1471	2.2	11.4	70.4	6	0	0	10	0	900	11.3%	16.4%	-50
M1472	2.6	11.4	70	6	0	0	10	0	900	9.8%	16.3%	-50
M1473	2.5	11.4	69.6	6	0	0	10.5	0	900	10.6%	17.2%	-50
M1474	3	11.4	68.6	6	0	0	11	0	900	9.1%	18.1%	-50
M1475	2.5	11.4	68.1	6	0	0	12	0	900	11.9%	20.1%	-50
M1476	2.2	11.6	70.2	6	0	0	10	0	900	11.4%	16.3%	-50
M1477	2.6	11.6	69.8	6	0	0	10	0	900	9.9%	16.1%	-50
M1478	2.5	11.6	69.4	6	0	0	10.5	0	900	10.7%	17.1%	-50
M1479	3	11.6	68.4	6	0	0	11	0	900	9.2%	18.0%	-50
M1480	2.5	11.6	67.9	6	0	0	12	0	900	12.0%	19.9%	-50
M1481	2.2	11.8	70	6	0	0	10	0	900	11.6%	16.1%	-50
M1482	2.6	11.8	69.6	6	0	0	10	0	900	10.0%	16.0%	-50
M1483	2.5	11.8	69.2	6	0	0	10.5	0	900	10.8%	17.0%	-50
M1484	3	11.8	68.2	6	0	0	11	0	900	9.3%	17.8%	-50
M1485	2.5	11.8	67.7	6	0	0	12	0	900	12.1%	19.8%	-50

M1486	2.2	12	69.8	6	0	0	10	0	900	11.7%	16.0%	-50
M1487	2.6	12	69.4	6	0	0	10	0	900	10.1%	15.9%	-50
M1488	2.5	12	69	6	0	0	10.5	0	900	10.9%	16.8%	-50
M1489	3	12	68	6	0	0	11	0	900	9.4%	17.7%	-50
M1490	2.5	12	67.5	6	0	0	12	0	900	12.2%	19.7%	-50
M1491	2.5	12.2	69.3	6	0	0	10	0	900	10.6%	15.7%	-50
M1492	3	12.2	68.3	6	0	0	10.5	0	900	9.2%	16.7%	-50
M1493	2.5	12.2	67.8	6	0	0	11.5	0	900	11.9%	18.6%	-50
M1494	3	12.2	66.8	6	0	0	12	0	900	10.3%	19.4%	-50
M1495	2.5	12.4	68.6	6	0	0	10.5	0	900	11.1%	16.6%	-50
M1496	3	12.4	67.6	6	0	0	11	0	900	9.7%	17.4%	-50
M1497	2.5	12.4	67.1	6	0	0	12	0	900	12.5%	19.7%	-50
M1498	3	12.6	68.4	6	0	0	10	0	900	9.0%	15.5%	-50
M1499	2.5	12.6	67.9	6	0	0	11	0	900	11.7%	17.4%	-50
M1500	3	12.6	66.9	6	0	0	11.5	0	900	10.2%	18.2%	-50
M1501	2.5	12.8	68.7	6	0	0	10	0	900	11.0%	15.3%	-50
M1502	3	12.8	67.7	6	0	0	10.5	0	900	9.5%	16.2%	-50
M1503	2.5	12.8	67.2	6	0	0	11.5	0	900	12.3%	18.2%	-50
M1504	3	12.8	66.2	6	0	0	12	0	900	10.7%	18.9%	-50
M1505	2.5	13	68	6	0	0	10.5	0	900	11.5%	16.1%	-50
M1506	3	13	67	6	0	0	11	0	900	10.0%	17.0%	-50
M1507	2.5	13	66.5	6	0	0	12	0	950	12.8%	19.3%	-50
M1508	3	13.2	67.8	6	0	0	10	0	900	9.3%	15.1%	-50
M1509	2.5	13.2	67.3	6	0	0	11	0	900	12.1%	17.0%	-50
M1510	3	13.2	66.3	6	0	0	11.5	0	900	10.5%	17.8%	-50
M1511	2.5	13.4	68.1	6	0	0	10	0	900	11.3%	14.9%	-50
M1512	3	13.4	67.1	6	0	0	10.5	0	900	9.8%	15.8%	-50
M1513	2.5	13.4	66.6	6	0	0	11.5	0	900	12.6%	18.2%	-50
M1514	3	13.4	65.6	6	0	0	12	0	900	11.0%	18.5%	-50
M1515	2.5	13.6	67.4	6	0	0	10.5	0	900	11.8%	15.7%	-50
M1516	3	13.6	66.4	6	0	0	11	0	900	10.3%	16.6%	-50
M1517	2.5	13.6	65.9	6	0	0	12	0	950	13.2%	18.9%	-50
M1518	3	13.8	67.2	6	0	0	10	0	900	9.6%	14.6%	-50
M1519	2.5	13.8	66.7	6	0	0	11	0	900	12.4%	16.7%	-50
M1520	3	13.8	65.7	6	0	0	11.5	0	900	10.8%	17.3%	-50
M1521	3	14	67	6	0	0	10	0	900	9.8%	14.5%	-50
M1522	2.5	14	66.5	6	0	0	11	0	900	12.5%	16.7%	-50
M1523	3	14	65.5	6	0	0	11.5	0	900	11.0%	17.2%	-50
M1524	3	12	63.8	6	0	0.2	15	0	900	12.8%	25.0%	-50
M1525	4	16	58.6	6	0	0.4	15	0	900	11.1%	21.9%	50
M1526	3	12	63.2	6	0	0.8	15	0	900	12.8%	25.0%	0

M1527	4	16	58	6	0	1	15	0	900	11.0%	21.9%	50
M1528	3	12	62.6	6	0	1.4	15	0	900	12.7%	25.0%	0
M1529	4	16	57.4	6	0	1.6	15	0	900	10.9%	22.0%	50
M1530	3	12	62	6	0	2	15	0	900	12.7%	25.1%	0
M1531	4	16	56.8	6	0	2.2	15	0	900	10.9%	22.0%	100
M1532	3	12	61.4	6	0	2.6	15	0	900	12.6%	25.1%	0
M1533	4	16	56.2	6	0	2.8	15	0	900	10.8%	22.0%	100
M1534	3	12	60.8	6	0	3.2	15	0	900	12.6%	25.2%	0
M1535	4	16	55.6	6	0	3.4	15	0	850	10.7%	22.1%	100
M1536	3	12	60.2	6	0	3.8	15	0	850	12.5%	25.2%	0
M1537	4	16	55	6	0	4	15	0	850	10.7%	22.1%	100
M1538	3	12	59.6	6	0	4.4	15	0	850	12.5%	25.2%	0
M1539	4	16	54.4	6	0	4.6	15	0	850	10.6%	22.1%	100
M1540	3	12	59	6	0	5	15	0	850	12.4%	25.1%	0
M1541	4	16	53.8	6	0	5.2	15	0	850	10.5%	22.1%	100
M1542	3	12	58.4	6	0	5.6	15	0	850	12.4%	25.0%	0
M1543	4	16	53.2	6	0	5.8	15	0	850	10.5%	22.2%	100
M1544	3	12	57.8	6	0	6.2	15	0	850	12.3%	25.0%	0
M1545	4	16	52.6	6	0	6.4	15	0	850	10.4%	22.2%	100
M1546	3	12	57.2	6	0	6.8	15	0	850	12.3%	25.0%	50
M1547	4	16	52	6	0	7	15	0	850	10.3%	22.2%	100
M1548	3	12	56.6	6	0	7.4	15	0	850	12.2%	25.0%	50
M1549	3	12	56.2	6	0	7.8	15	0	850	12.2%	25.0%	100
M1550	4	16	51	6	0	8	15	0	850	10.3%	22.3%	100
M1551	3	12	55.6	6	0	8.4	15	0	850	12.2%	25.0%	100
M1552	4	16	50.4	6	0	8.6	15	0	850	10.2%	22.3%	100
M1553	3	12	55	6	0	9	15	0	850	12.2%	25.0%	100
M1554	4	16	49.8	6	0	9.2	15	0	800	10.2%	22.4%	100
M1555	3	12	54.4	6	0	9.6	15	0	850	12.1%	25.0%	50
M1556	4	16	49.2	6	0	9.8	15	0	800	10.1%	22.4%	100
M1557	3	12	53.8	6	0	10.2	15	0	850	12.1%	25.1%	50
M1558	4	16	48.6	6	0	10.4	15	0	800	10.1%	22.5%	100
M1559	3	12	53.2	6	0	10.8	15	0	800	12.1%	25.1%	50
M1560	4	16	48	6	0	11	15	0	800	10.0%	22.5%	100
M1561	3	12	52.6	6	0	11.4	15	0	800	12.0%	25.1%	50
M1562	4	16	47.4	6	0	11.6	15	0	800	10.0%	22.5%	100
M1563	3	12	52	6	0	12	15	0	800	12.0%	25.1%	100
M1564	4	16	46.8	6	0	12.2	15	0	800	9.9%	22.6%	100
M1565	3	12	51.4	6	0	12.6	15	0	800	12.0%	25.1%	100
M1566	4	16	46.2	6	0	12.8	15	0	800	10.1%	22.6%	100
M1567	3	12	50.8	6	0	13.2	15	0	800	12.0%	25.1%	100

M1568	4	16	45.6	6	0	13.4	15	0	800	10.1%	22.7%	150
M1569	3	12	50.2	6	0	13.8	15	0	800	11.9%	25.2%	100
M1570	4	16	45	6	0	14	15	0	800	10.1%	22.7%	150
M1571	3	12	63.6	6.2	0	0.2	15	0	900	12.8%	25.0%	-50
M1572	4	16	58.4	6.2	0	0.4	15	0	900	11.1%	21.9%	50
M1573	3	12	63	6.2	0	0.8	15	0	900	12.8%	25.0%	0
M1574	4	16	57.8	6.2	0	1	15	0	900	11.0%	21.9%	50
M1575	3	12	62.4	6.2	0	1.4	15	0	900	12.7%	25.0%	0
M1576	4	16	57.2	6.2	0	1.6	15	0	900	11.0%	22.0%	50
M1577	3	12	61.8	6.2	0	2	15	0	900	12.7%	25.1%	0
M1578	4	16	56.6	6.2	0	2.2	15	0	900	10.9%	22.0%	100
M1579	3	12	61.2	6.2	0	2.6	15	0	900	12.6%	25.1%	0
M1580	4	16	56	6.2	0	2.8	15	0	850	10.8%	22.0%	100
M1581	3	12	60.6	6.2	0	3.2	15	0	900	12.6%	25.1%	0
M1582	4	16	55.4	6.2	0	3.4	15	0	850	10.7%	22.0%	100
M1583	3	12	60	6.2	0	3.8	15	0	850	12.5%	25.2%	0
M1584	4	16	54.8	6.2	0	4	15	0	850	10.7%	22.1%	100
M1585	3	12	59.4	6.2	0	4.4	15	0	850	12.5%	25.2%	0
M1586	4	16	54.2	6.2	0	4.6	15	0	850	10.6%	22.1%	100
M1587	3	12	58.8	6.2	0	5	15	0	850	12.4%	25.1%	0
M1588	4	16	53.6	6.2	0	5.2	15	0	850	10.5%	22.1%	100
M1589	3	12	58.2	6.2	0	5.6	15	0	850	12.4%	25.0%	0
M1590	4	16	53	6.2	0	5.8	15	0	850	10.5%	22.2%	100
M1591	3	12	57.6	6.2	0	6.2	15	0	850	12.3%	25.0%	50
M1592	4	16	52.4	6.2	0	6.4	15	0	850	10.4%	22.2%	100
M1593	3	12	57	6.2	0	6.8	15	0	850	12.3%	25.0%	50
M1594	4	16	51.8	6.2	0	7	15	0	850	10.3%	22.2%	100
M1595	4	16	51.4	6.2	0	7.4	15	0	850	10.3%	22.3%	100
M1596	4	16	50.8	6.2	0	8	15	0	850	10.3%	22.3%	100
M1597	3	12	55.4	6.2	0	8.4	15	0	850	12.2%	25.0%	100
M1598	4	16	50.2	6.2	0	8.6	15	0	850	10.2%	22.3%	100
M1599	3	12	54.8	6.2	0	9	15	0	850	12.1%	25.0%	100
M1600	4	16	49.6	6.2	0	9.2	15	0	800	10.1%	22.4%	100
M1601	3	12	54.2	6.2	0	9.6	15	0	850	12.1%	25.0%	50
M1602	4	16	49	6.2	0	9.8	15	0	800	10.1%	22.4%	100
M1603	3	12	53.6	6.2	0	10.2	15	0	850	12.1%	25.1%	50
M1604	4	16	48.4	6.2	0	10.4	15	0	800	10.1%	22.4%	100
M1605	3	12	53	6.2	0	10.8	15	0	800	12.1%	25.1%	50
M1606	4	16	47.8	6.2	0	11	15	0	800	10.0%	22.5%	100
M1607	3	12	52.4	6.2	0	11.4	15	0	800	12.0%	25.1%	50
M1608	4	16	47.2	6.2	0	11.6	15	0	800	10.0%	22.5%	100

M1609	3	12	51.8	6.2	0	12	15	0	800	12.0%	25.1%	100
M1610	4	16	46.6	6.2	0	12.2	15	0	800	9.9%	22.6%	100
M1611	3	12	51.2	6.2	0	12.6	15	0	800	12.0%	25.1%	100
M1612	4	16	46	6.2	0	12.8	15	0	800	10.1%	22.6%	100
M1613	3	12	50.6	6.2	0	13.2	15	0	800	11.9%	25.1%	100
M1614	4	16	45.4	6.2	0	13.4	15	0	800	10.1%	22.7%	150
M1615	3	12	50	6.2	0	13.8	15	0	800	11.9%	25.2%	100
M1616	4	16	44.8	6.2	0	14	15	0	800	10.0%	22.7%	150
M1617	3	12	63.4	6.4	0	0.2	15	0	900	12.9%	24.9%	-50
M1618	4	16	58.2	6.4	0	0.4	15	0	900	11.1%	21.9%	50
M1619	3	12	62.8	6.4	0	0.8	15	0	900	12.8%	25.0%	0
M1620	4	16	57.6	6.4	0	1	15	0	900	11.0%	21.9%	50
M1621	3	12	62.2	6.4	0	1.4	15	0	900	12.7%	25.0%	0
M1622	4	16	57	6.4	0	1.6	15	0	900	11.0%	22.0%	50
M1623	3	12	61.6	6.4	0	2	15	0	900	12.7%	25.1%	0
M1624	4	16	56.4	6.4	0	2.2	15	0	900	10.9%	22.0%	100
M1625	3	12	61	6.4	0	2.6	15	0	900	12.6%	25.1%	0
M1626	4	16	55.8	6.4	0	2.8	15	0	850	10.8%	22.0%	100
M1627	3	12	60.4	6.4	0	3.2	15	0	850	12.6%	25.1%	0
M1628	4	16	55.2	6.4	0	3.4	15	0	850	10.7%	22.0%	100
M1629	3	12	59.8	6.4	0	3.8	15	0	850	12.5%	25.2%	0
M1630	4	16	54.6	6.4	0	4	15	0	850	10.7%	22.1%	100
M1631	3	12	59.2	6.4	0	4.4	15	0	850	12.5%	25.2%	0
M1632	4	16	54	6.4	0	4.6	15	0	850	10.6%	22.1%	100
M1633	3	12	58.6	6.4	0	5	15	0	850	12.4%	25.1%	0
M1634	4	16	53.4	6.4	0	5.2	15	0	850	10.5%	22.1%	100
M1635	3	12	58	6.4	0	5.6	15	0	850	12.4%	25.1%	0
M1636	4	16	52.8	6.4	0	5.8	15	0	850	10.5%	22.2%	100
M1637	3	12	57.4	6.4	0	6.2	15	0	850	12.3%	25.0%	50
M1638	4	16	52.2	6.4	0	6.4	15	0	850	10.4%	22.2%	100
M1639	3	12	56.8	6.4	0	6.8	15	0	850	12.3%	25.0%	50
M1640	4	16	51.6	6.4	0	7	15	0	850	10.3%	22.2%	100
M1641	4	16	51.2	6.4	0	7.4	15	0	850	10.3%	22.3%	150
M1642	4	16	50.4	6.4	0	8.2	15	0	850	10.2%	22.3%	100
M1643	3	12	54.8	6.4	0	8.8	15	0	850	12.2%	25.0%	100
M1644	4	16	49.6	6.4	0	9	15	0	800	10.2%	22.4%	100
M1645	3	12	54.2	6.4	0	9.4	15	0	850	12.1%	25.0%	100
M1646	4	16	49	6.4	0	9.6	15	0	800	10.1%	22.4%	100
M1647	3	12	53.6	6.4	0	10	15	0	850	12.1%	25.0%	50
M1648	4	16	48.4	6.4	0	10.2	15	0	800	10.1%	22.4%	100
M1649	3	12	53	6.4	0	10.6	15	0	800	12.1%	25.1%	50

M1650	4	16	47.8	6.4	0	10.8	15	0	800	10.0%	22.5%	100
M1651	3	12	52.4	6.4	0	11.2	15	0	800	12.0%	25.1%	50
M1652	4	16	47.2	6.4	0	11.4	15	0	800	10.0%	22.5%	100
M1653	3	12	51.8	6.4	0	11.8	15	0	800	12.0%	25.1%	100
M1654	4	16	46.6	6.4	0	12	15	0	800	9.9%	22.5%	100
M1655	3	12	51.2	6.4	0	12.4	15	0	800	12.0%	25.1%	100
M1656	4	16	46	6.4	0	12.6	15	0	800	9.9%	22.6%	100
M1657	3	12	50.6	6.4	0	13	15	0	800	11.9%	25.1%	100
M1658	4	16	45.4	6.4	0	13.2	15	0	800	10.1%	22.6%	150
M1659	3	12	50	6.4	0	13.6	15	0	800	11.9%	25.1%	100
M1660	4	16	44.8	6.4	0	13.8	15	0	800	10.0%	22.7%	150
M1661	2	10	71.5	6.5	0	0	10	0	900	10.5%	17.0%	-50
M1662	2.6	10	70.9	6.5	0	0	10	0	900	9.0%	17.2%	-50
M1663	2	10.2	71.3	6.5	0	0	10	0	900	10.7%	17.0%	-50
M1664	2.6	10.2	70.7	6.5	0	0	10	0	900	9.1%	17.1%	-50
M1665	2	10.4	71.1	6.5	0	0	10	0	900	10.9%	17.0%	-50
M1666	2.6	10.4	70.5	6.5	0	0	10	0	900	9.3%	16.9%	-50
M1667	2	10.6	70.9	6.5	0	0	10	0	900	11.1%	17.0%	-50
M1668	2.6	10.6	70.3	6.5	0	0	10	0	900	9.4%	16.8%	-50
M1669	2	10.8	70.7	6.5	0	0	10	0	900	11.3%	16.9%	-50
M1670	2.6	10.8	70.1	6.5	0	0	10	0	900	9.5%	16.6%	-50
M1671	2	11	70.5	6.5	0	0	10	0	900	11.5%	16.8%	-50
M1672	2.6	11	69.9	6.5	0	0	10	0	900	9.6%	16.5%	-50
M1673	2	11.2	70.3	6.5	0	0	10	0	900	11.7%	16.7%	-50
M1674	2.6	11.2	69.7	6.5	0	0	10	0	900	9.7%	16.4%	-50
M1675	2	11.4	70.1	6.5	0	0	10	0	900	11.9%	16.5%	-50
M1676	2.6	11.4	69.5	6.5	0	0	10	0	900	9.8%	16.2%	-50
M1677	2	11.6	69.9	6.5	0	0	10	0	900	12.2%	16.5%	-50
M1678	2.6	11.6	69.3	6.5	0	0	10	0	900	9.9%	16.1%	-50
M1679	2	11.8	69.7	6.5	0	0	10	0	900	12.4%	16.4%	-50
M1680	2.6	11.8	69.1	6.5	0	0	10	0	900	10.0%	16.0%	-50
M1681	2	12	69.5	6.5	0	0	10	0	900	12.5%	16.2%	-50
M1682	2.6	12	68.9	6.5	0	0	10	0	900	10.1%	15.8%	-50
M1683	3	12	63.4	6.6	0	0	15	0	900	12.9%	24.9%	-50
M1684	4	16	58.2	6.6	0	0.2	15	0	900	11.2%	21.9%	50
M1685	3	12	62.8	6.6	0	0.6	15	0	900	12.8%	25.0%	0
M1686	4	16	57.6	6.6	0	0.8	15	0	900	11.1%	21.9%	50
M1687	3	12	62.2	6.6	0	1.2	15	0	900	12.8%	25.0%	0
M1688	4	16	57	6.6	0	1.4	15	0	900	11.0%	21.9%	50
M1689	3	12	61.6	6.6	0	1.8	15	0	900	12.7%	25.0%	0
M1690	4	16	56.4	6.6	0	2	15	0	850	10.9%	22.0%	100

M1691	3	12	61	6.6	0	2.4	15	0	900	12.6%	25.1%	0
M1692	4	16	55.8	6.6	0	2.6	15	0	850	10.8%	22.0%	100
M1693	3	12	60.4	6.6	0	3	15	0	850	12.6%	25.1%	0
M1694	4	16	55.2	6.6	0	3.2	15	0	850	10.8%	22.0%	100
M1695	3	12	59.8	6.6	0	3.6	15	0	850	12.5%	25.2%	0
M1696	4	16	54.6	6.6	0	3.8	15	0	850	10.7%	22.1%	100
M1697	3	12	59.2	6.6	0	4.2	15	0	850	12.5%	25.2%	0
M1698	4	16	54	6.6	0	4.4	15	0	850	10.6%	22.1%	100
M1699	3	12	58.6	6.6	0	4.8	15	0	850	12.4%	25.2%	0
M1700	4	16	53.4	6.6	0	5	15	0	850	10.6%	22.1%	100
M1701	3	12	58	6.6	0	5.4	15	0	850	12.4%	25.1%	0
M1702	4	16	52.8	6.6	0	5.6	15	0	850	10.5%	22.1%	100
M1703	3	12	57.4	6.6	0	6	15	0	850	12.3%	25.0%	0
M1704	4	16	52.2	6.6	0	6.2	15	0	850	10.4%	22.2%	100
M1705	3	12	56.8	6.6	0	6.6	15	0	850	12.3%	25.0%	50
M1706	4	16	51.6	6.6	0	6.8	15	0	850	10.4%	22.2%	100
M1707	4	16	51.2	6.6	0	7.2	15	0	850	10.3%	22.2%	100
M1708	4	16	50	6.6	0	8.4	15	0	800	10.2%	22.3%	100
M1709	4	16	49.4	6.6	0	9	15	0	800	10.2%	22.3%	100
M1710	3	12	54	6.6	0	9.4	15	0	850	12.1%	25.0%	100
M1711	4	16	48.8	6.6	0	9.6	15	0	800	10.1%	22.4%	100
M1712	3	12	53.4	6.6	0	10	15	0	800	12.1%	25.0%	50
M1713	4	16	48.2	6.6	0	10.2	15	0	800	10.1%	22.4%	100
M1714	3	12	52.8	6.6	0	10.6	15	0	800	12.1%	25.0%	50
M1715	4	16	47.6	6.6	0	10.8	15	0	800	10.0%	22.5%	100
M1716	3	12	52.2	6.6	0	11.2	15	0	800	12.0%	25.1%	50
M1717	4	16	47	6.6	0	11.4	15	0	800	10.0%	22.5%	100
M1718	3	12	51.6	6.6	0	11.8	15	0	800	12.0%	25.1%	100
M1719	4	16	46.4	6.6	0	12	15	0	800	9.9%	22.5%	100
M1720	3	12	51	6.6	0	12.4	15	0	800	12.0%	25.1%	100
M1721	4	16	45.8	6.6	0	12.6	15	0	800	9.9%	22.6%	100
M1722	3	12	50.4	6.6	0	13	15	0	800	11.9%	25.1%	100
M1723	4	16	45.2	6.6	0	13.2	15	0	800	10.1%	22.6%	150
M1724	3	12	49.8	6.6	0	13.6	15	0	800	11.9%	25.1%	100
M1725	4	16	44.6	6.6	0	13.8	15	0	800	10.0%	22.7%	150
M1726	3	12	63.2	6.8	0	0	15	0	900	12.9%	24.9%	-50
M1727	4	16	58	6.8	0	0.2	15	0	900	11.2%	21.9%	50
M1728	3	12	62.6	6.8	0	0.6	15	0	900	12.8%	25.0%	0
M1729	4	16	57.4	6.8	0	0.8	15	0	900	11.1%	21.9%	50
M1730	3	12	62	6.8	0	1.2	15	0	900	12.8%	25.0%	0
M1731	4	16	56.8	6.8	0	1.4	15	0	900	11.0%	21.9%	50

M1732	3	12	61.4	6.8	0	1.8	15	0	900	12.7%	25.0%	0
M1733	4	16	56.2	6.8	0	2	15	0	850	10.9%	22.0%	100
M1734	3	12	60.8	6.8	0	2.4	15	0	850	12.6%	25.1%	0
M1735	4	16	55.6	6.8	0	2.6	15	0	850	10.8%	22.0%	100
M1736	3	12	60.2	6.8	0	3	15	0	850	12.6%	25.1%	0
M1737	4	16	55	6.8	0	3.2	15	0	850	10.8%	22.0%	100
M1738	3	12	59.6	6.8	0	3.6	15	0	850	12.5%	25.1%	0
M1739	4	16	54.4	6.8	0	3.8	15	0	850	10.7%	22.1%	100
M1740	3	12	59	6.8	0	4.2	15	0	850	12.5%	25.2%	0
M1741	4	16	53.8	6.8	0	4.4	15	0	850	10.6%	22.1%	100
M1742	3	12	58.4	6.8	0	4.8	15	0	850	12.4%	25.2%	0
M1743	4	16	53.2	6.8	0	5	15	0	850	10.6%	22.1%	100
M1744	3	12	57.8	6.8	0	5.4	15	0	850	12.4%	25.1%	0
M1745	4	16	52.6	6.8	0	5.6	15	0	850	10.5%	22.1%	100
M1746	3	12	57.2	6.8	0	6	15	0	850	12.3%	25.1%	0
M1747	4	16	52	6.8	0	6.2	15	0	850	10.4%	22.2%	100
M1748	3	12	56.6	6.8	0	6.6	15	0	850	12.3%	25.0%	50
M1749	4	16	51.4	6.8	0	6.8	15	0	850	10.4%	22.2%	100
M1750	4	16	50	6.8	0	8.2	15	0	800	10.2%	22.3%	150
M1751	4	16	49.4	6.8	0	8.8	15	0	800	10.2%	22.3%	100
M1752	4	16	48.8	6.8	0	9.4	15	0	800	10.1%	22.4%	100
M1753	3	12	53.4	6.8	0	9.8	15	0	800	12.1%	25.0%	50
M1754	4	16	48.2	6.8	0	10	15	0	800	10.1%	22.4%	100
M1755	3	12	52.8	6.8	0	10.4	15	0	800	12.1%	25.0%	50
M1756	4	16	47.6	6.8	0	10.6	15	0	800	10.0%	22.4%	100
M1757	3	12	52.2	6.8	0	11	15	0	800	12.0%	25.0%	50
M1758	4	16	47	6.8	0	11.2	15	0	800	10.0%	22.5%	100
M1759	3	12	51.6	6.8	0	11.6	15	0	800	12.0%	25.1%	100
M1760	4	16	46.4	6.8	0	11.8	15	0	800	9.9%	22.5%	100
M1761	3	12	51	6.8	0	12.2	15	0	800	12.0%	25.1%	100
M1762	4	16	45.8	6.8	0	12.4	15	0	800	9.9%	22.6%	100
M1763	3	12	50.4	6.8	0	12.8	15	0	800	11.9%	25.1%	100
M1764	4	16	45.2	6.8	0	13	15	0	800	10.1%	22.6%	150
M1765	3	12	49.8	6.8	0	13.4	15	0	800	11.9%	25.1%	100
M1766	4	16	44.6	6.8	0	13.6	15	0	800	10.0%	22.6%	150
M1767	3	12	49.2	6.8	0	14	15	0	800	11.9%	25.1%	100
M1768	2.2	10	70.8	7	0	0	10	0	900	10.4%	17.3%	-50
M1769	2.6	10	70.4	7	0	0	10	0	900	9.1%	17.2%	-50
M1770	2	10	70.5	7	0	0	10.5	0	900	10.5%	17.4%	-50
M1771	2.5	10	69.5	7	0	0	11	0	900	10.2%	19.1%	-50
M1772	3	10	68.5	7	0	0	11.5	0	900	8.8%	20.0%	-50

M1773	2	10.2	70.8	7	0	0	10	0	900	10.7%	17.0%	-50
M1774	2.5	10.2	70.3	7	0	0	10	0	900	9.5%	17.1%	-50
M1775	3	10.2	69.8	7	0	0	10	0	900	7.8%	17.1%	-50
M1776	3	10.2	69.3	7	0	0	10.5	0	900	8.2%	18.0%	-50
M1777	2.5	10.2	68.8	7	0	0	11.5	0	900	10.7%	19.9%	-50
M1778	3	10.2	67.8	7	0	0	12	0	900	9.3%	20.7%	-50
M1779	2.4	10.4	70.2	7	0	0	10	0	900	10.0%	16.9%	-50
M1780	2.8	10.4	69.8	7	0	0	10	0	900	8.6%	16.9%	-50
M1781	2.5	10.4	69.6	7	0	0	10.5	0	900	10.0%	17.9%	-50
M1782	3	10.4	68.6	7	0	0	11	0	900	8.6%	18.8%	-50
M1783	2.5	10.4	68.1	7	0	0	12	0	900	11.0%	20.7%	-50
M1784	2.2	10.6	70.2	7	0	0	10	0	900	10.9%	16.9%	-50
M1785	2.6	10.6	69.8	7	0	0	10	0	900	9.4%	16.8%	-50
M1786	2	10.6	69.9	7	0	0	10.5	0	900	11.2%	17.3%	-50
M1787	2.5	10.6	68.9	7	0	0	11	0	900	10.6%	18.7%	-50
M1788	3	10.6	67.9	7	0	0	11.5	0	900	9.1%	19.6%	-50
M1789	2	10.8	70.2	7	0	0	10	0	900	11.3%	16.9%	-50
M1790	2.5	10.8	69.7	7	0	0	10	0	900	9.9%	16.7%	-50
M1791	3	10.8	69.2	7	0	0	10	0	900	8.1%	16.7%	-50
M1792	3	10.8	68.7	7	0	0	10.5	0	900	8.5%	17.6%	-50
M1793	2.5	10.8	68.2	7	0	0	11.5	0	900	11.1%	19.5%	-50
M1794	3	10.8	67.2	7	0	0	12	0	900	9.6%	20.3%	-50
M1795	2.4	11	69.6	7	0	0	10	0	900	10.3%	16.6%	-50
M1796	2.8	11	69.2	7	0	0	10	0	900	8.9%	16.5%	-50
M1797	3	11	68.5	7	0	0	10.5	0	900	8.6%	17.5%	-50
M1798	2.5	11	68	7	0	0	11.5	0	900	11.2%	19.4%	-50
M1799	3	11	67	7	0	0	12	0	900	9.7%	20.2%	-50
M1800	2.4	11.2	69.4	7	0	0	10	0	900	10.5%	16.4%	-50
M1801	2.8	11.2	69	7	0	0	10	0	900	9.0%	16.4%	-50
M1802	3	11.2	68.3	7	0	0	10.5	0	900	8.7%	17.3%	-50
M1803	2.5	11.2	67.8	7	0	0	11.5	0	900	11.3%	19.3%	-50
M1804	3	11.2	66.8	7	0	0	12	0	900	9.8%	20.0%	-50
M1805	2.4	11.4	69.2	7	0	0	10	0	900	10.6%	16.3%	-50
M1806	2.8	11.4	68.8	7	0	0	10	0	900	9.1%	16.2%	-50
M1807	3	11.4	68.1	7	0	0	10.5	0	900	8.8%	17.2%	-50
M1808	2.5	11.4	67.6	7	0	0	11.5	0	900	11.5%	19.1%	-50
M1809	3	11.4	66.6	7	0	0	12	0	900	9.9%	19.9%	-50
M1810	2.4	11.6	69	7	0	0	10	0	900	10.7%	16.2%	-50
M1811	2.8	11.6	68.6	7	0	0	10	0	900	9.2%	16.1%	-50
M1812	3	11.6	67.9	7	0	0	10.5	0	900	8.9%	17.1%	-50
M1813	2.5	11.6	67.4	7	0	0	11.5	0	900	11.6%	19.0%	-50

M1814	3	11.6	66.4	7	0	0	12	0	900	10.0%	19.8%	-50
M1815	2.4	11.8	68.8	7	0	0	10	0	900	10.8%	16.0%	-50
M1816	2.8	11.8	68.4	7	0	0	10	0	900	9.3%	16.0%	-50
M1817	3	11.8	67.7	7	0	0	10.5	0	900	9.0%	16.9%	-50
M1818	2.5	11.8	67.2	7	0	0	11.5	0	900	11.7%	18.9%	-50
M1819	3	11.8	66.2	7	0	0	12	0	900	10.2%	19.6%	-50
M1820	2.4	12	68.6	7	0	0	10	0	900	10.9%	15.9%	-50
M1821	2.8	12	68.2	7	0	0	10	0	900	9.4%	15.8%	-50
M1822	3	12	67.5	7	0	0	10.5	0	900	9.1%	16.8%	-50
M1823	2.5	12	67	7	0	0	11.5	0	900	11.8%	18.7%	-50
M1824	3	12	66	7	0	0	12	0	900	10.3%	19.5%	-50
M1825	3	12.2	67.8	7	0	0	10	0	900	8.9%	15.7%	-50
M1826	2.5	12.2	67.3	7	0	0	11	0	900	11.5%	17.6%	-50
M1827	3	12.2	66.3	7	0	0	11.5	0	900	10.0%	18.5%	-50
M1828	2.5	12.4	68.1	7	0	0	10	0	900	10.8%	15.6%	-50
M1829	3	12.4	67.1	7	0	0	10.5	0	900	9.3%	16.5%	-50
M1830	2.5	12.4	66.6	7	0	0	11.5	0	900	12.0%	18.4%	-50
M1831	3	12.4	65.6	7	0	0	12	0	900	10.5%	19.2%	-50
M1832	2.5	12.6	67.4	7	0	0	10.5	0	900	11.3%	16.4%	-50
M1833	3	12.6	66.4	7	0	0	11	0	900	9.8%	17.3%	-50
M1834	2.5	12.6	65.9	7	0	0	12	0	900	12.6%	19.6%	-50
M1835	3	12.8	67.2	7	0	0	10	0	900	9.2%	15.3%	-50
M1836	2.5	12.8	66.7	7	0	0	11	0	900	11.8%	17.2%	-50
M1837	3	12.8	65.7	7	0	0	11.5	0	900	10.3%	18.0%	-50
M1838	2.5	13	67.5	7	0	0	10	0	900	11.1%	15.2%	-50
M1839	3	13	66.5	7	0	0	10.5	0	900	9.6%	16.1%	-50
M1840	2.5	13	66	7	0	0	11.5	0	900	12.4%	18.3%	-50
M1841	3	13	65	7	0	0	12	0	900	10.8%	18.8%	-50
M1842	2.5	13.2	66.8	7	0	0	10.5	0	900	11.6%	16.0%	-50
M1843	3	13.2	65.8	7	0	0	11	0	900	10.1%	16.9%	-50
M1844	2.5	13.2	65.3	7	0	0	12	0	900	13.0%	19.2%	-50
M1845	3	13.4	66.6	7	0	0	10	0	900	9.5%	14.9%	-50
M1846	2.5	13.4	66.1	7	0	0	11	0	900	12.2%	16.8%	-50
M1847	3	13.4	65.1	7	0	0	11.5	0	900	10.7%	17.6%	-50
M1848	2.5	13.6	66.9	7	0	0	10	0	900	11.5%	14.8%	-50
M1849	3	13.6	65.9	7	0	0	10.5	0	900	10.0%	15.7%	-50
M1850	2.5	13.6	65.4	7	0	0	11.5	0	900	12.8%	18.2%	-50
M1851	3	13.6	64.4	7	0	0	12	0	900	11.2%	18.4%	-50
M1852	2.5	13.8	66.2	7	0	0	10.5	0	900	12.0%	15.6%	-50
M1853	3	13.8	65.2	7	0	0	11	0	900	10.5%	16.4%	-50
M1854	3	13.8	64.2	7	0	0	12	0	900	11.3%	18.2%	-50

M1855	2.5	14	66	7	0	0	10.5	0	900	12.1%	15.5%	-50
M1856	3	14	65	7	0	0	11	0	900	10.6%	16.3%	-50
M1857	3	14	64	7	0	0	12	0	900	11.4%	18.1%	-50
M1858	4	16	57.8	7	0	0.2	15	0	900	11.2%	21.9%	50
M1859	3	12	62.4	7	0	0.6	15	0	900	12.8%	25.0%	0
M1860	4	16	57.2	7	0	0.8	15	0	900	11.1%	21.9%	50
M1861	3	12	61.8	7	0	1.2	15	0	900	12.8%	25.0%	0
M1862	4	16	56.6	7	0	1.4	15	0	850	11.0%	21.9%	50
M1863	3	12	61.2	7	0	1.8	15	0	900	12.7%	25.0%	0
M1864	4	16	56	7	0	2	15	0	850	10.9%	22.0%	100
M1865	3	12	60.6	7	0	2.4	15	0	850	12.6%	25.1%	0
M1866	4	16	55.4	7	0	2.6	15	0	850	10.8%	22.0%	100
M1867	3	12	60	7	0	3	15	0	850	12.6%	25.1%	0
M1868	4	16	54.8	7	0	3.2	15	0	850	10.8%	22.0%	100
M1869	3	12	59.4	7	0	3.6	15	0	850	12.5%	25.1%	0
M1870	4	16	54.2	7	0	3.8	15	0	850	10.7%	22.0%	100
M1871	3	12	58.8	7	0	4.2	15	0	850	12.5%	25.2%	0
M1872	4	16	53.6	7	0	4.4	15	0	850	10.6%	22.1%	100
M1873	3	12	58.2	7	0	4.8	15	0	850	12.4%	25.2%	0
M1874	4	16	53	7	0	5	15	0	850	10.6%	22.1%	100
M1875	3	12	57.6	7	0	5.4	15	0	850	12.4%	25.2%	0
M1876	4	16	52.4	7	0	5.6	15	0	850	10.5%	22.1%	100
M1877	3	12	57	7	0	6	15	0	850	12.3%	25.1%	50
M1878	4	16	51.8	7	0	6.2	15	0	850	10.4%	22.2%	100
M1879	3	12	56.4	7	0	6.6	15	0	850	12.3%	25.0%	50
M1880	4	16	51	7	0	7	15	0	850	10.3%	22.2%	100
M1881	4	16	49.4	7	0	8.6	15	0	800	10.2%	22.3%	150
M1882	4	16	48.8	7	0	9.2	15	0	800	10.1%	22.3%	100
M1883	3	12	53.2	7	0	9.8	15	0	800	12.1%	25.0%	50
M1884	4	16	48	7	0	10	15	0	800	10.1%	22.4%	100
M1885	3	12	52.6	7	0	10.4	15	0	800	12.1%	25.0%	50
M1886	4	16	47.4	7	0	10.6	15	0	800	10.0%	22.4%	100
M1887	3	12	52	7	0	11	15	0	800	12.0%	25.0%	50
M1888	4	16	46.8	7	0	11.2	15	0	800	10.0%	22.5%	100
M1889	3	12	51.4	7	0	11.6	15	0	800	12.0%	25.1%	100
M1890	4	16	46.2	7	0	11.8	15	0	800	9.9%	22.5%	100
M1891	3	12	50.8	7	0	12.2	15	0	800	12.0%	25.1%	100
M1892	4	16	45.6	7	0	12.4	15	0	800	9.9%	22.5%	100
M1893	3	12	50.2	7	0	12.8	15	0	800	11.9%	25.1%	100
M1894	4	16	45	7	0	13	15	0	800	9.8%	22.6%	150
M1895	3	12	49.6	7	0	13.4	15	0	800	11.9%	25.1%	100

M1896	4	16	44.4	7	0	13.6	15	0	800	10.0%	22.6%	150
M1897	3	12	49	7	0	14	15	0	800	11.9%	25.1%	100
M1898	4	16	57.8	7.2	0	0	15	0	900	11.2%	21.9%	50
M1899	3	12	62.4	7.2	0	0.4	15	0	900	12.9%	24.9%	0
M1900	4	16	57.2	7.2	0	0.6	15	0	900	11.1%	21.9%	50
M1901	3	12	61.8	7.2	0	1	15	0	900	12.8%	25.0%	0
M1902	4	16	56.6	7.2	0	1.2	15	0	850	11.0%	21.9%	50
M1903	3	12	61.2	7.2	0	1.6	15	0	850	12.7%	25.0%	0
M1904	4	16	56	7.2	0	1.8	15	0	850	11.0%	22.0%	100
M1905	3	12	60.6	7.2	0	2.2	15	0	850	12.7%	25.0%	0
M1906	4	16	55.4	7.2	0	2.4	15	0	850	10.9%	22.0%	100
M1907	3	12	60	7.2	0	2.8	15	0	850	12.6%	25.1%	0
M1908	4	16	54.8	7.2	0	3	15	0	850	10.8%	22.0%	100
M1909	3	12	59.4	7.2	0	3.4	15	0	850	12.6%	25.1%	0
M1910	4	16	54.2	7.2	0	3.6	15	0	850	10.7%	22.0%	100
M1911	3	12	58.8	7.2	0	4	15	0	850	12.5%	25.2%	0
M1912	4	16	53.6	7.2	0	4.2	15	0	850	10.6%	22.1%	100
M1913	3	12	58.2	7.2	0	4.6	15	0	850	12.5%	25.2%	0
M1914	4	16	53	7.2	0	4.8	15	0	850	10.6%	22.1%	100
M1915	3	12	57.6	7.2	0	5.2	15	0	850	12.4%	25.2%	0
M1916	4	16	52.4	7.2	0	5.4	15	0	850	10.5%	22.1%	100
M1917	3	12	57	7.2	0	5.8	15	0	850	12.4%	25.1%	0
M1918	4	16	51.8	7.2	0	6	15	0	850	10.4%	22.2%	100
M1919	3	12	56.4	7.2	0	6.4	15	0	850	12.3%	25.1%	50
M1920	4	16	51	7.2	0	6.8	15	0	850	10.4%	22.2%	100
M1921	4	16	49.2	7.2	0	8.6	15	0	800	10.2%	22.3%	150
M1922	4	16	48.6	7.2	0	9.2	15	0	800	10.1%	22.3%	100
M1923	4	16	48	7.2	0	9.8	15	0	800	10.1%	22.4%	100
M1924	3	12	52.6	7.2	0	10.2	15	0	800	12.1%	25.0%	50
M1925	4	16	47.4	7.2	0	10.4	15	0	800	10.0%	22.4%	100
M1926	3	12	52	7.2	0	10.8	15	0	800	12.0%	25.0%	50
M1927	4	16	46.8	7.2	0	11	15	0	800	10.0%	22.4%	100
M1928	3	12	51.4	7.2	0	11.4	15	0	800	12.0%	25.0%	100
M1929	4	16	46.2	7.2	0	11.6	15	0	800	9.9%	22.5%	100
M1930	3	12	50.8	7.2	0	12	15	0	800	12.0%	25.1%	100
M1931	4	16	45.6	7.2	0	12.2	15	0	800	9.9%	22.5%	100
M1932	3	12	50.2	7.2	0	12.6	15	0	800	11.9%	25.1%	100
M1933	4	16	45	7.2	0	12.8	15	0	800	9.8%	22.6%	150
M1934	3	12	49.6	7.2	0	13.2	15	0	800	11.9%	25.1%	100
M1935	4	16	44.4	7.2	0	13.4	15	0	800	10.0%	22.6%	150
M1936	3	12	49	7.2	0	13.8	15	0	800	11.9%	25.1%	100

M1937	4	16	43.8	7.2	0	14	15	0	800	10.0%	22.7%	150
M1938	3	12	62.4	7.4	0	0.2	15	0	900	12.9%	24.9%	-50
M1939	4	16	57.2	7.4	0	0.4	15	0	900	11.2%	21.9%	50
M1940	3	12	61.8	7.4	0	0.8	15	0	900	12.8%	24.9%	0
M1941	4	16	56.6	7.4	0	1	15	0	850	11.1%	21.9%	50
M1942	3	12	61.2	7.4	0	1.4	15	0	850	12.8%	25.0%	0
M1943	4	16	56	7.4	0	1.6	15	0	850	11.0%	21.9%	100
M1944	3	12	60.6	7.4	0	2	15	0	850	12.7%	25.0%	0
M1945	4	16	55.4	7.4	0	2.2	15	0	850	10.9%	22.0%	100
M1946	3	12	60	7.4	0	2.6	15	0	850	12.6%	25.1%	0
M1947	4	16	54.8	7.4	0	2.8	15	0	850	10.8%	22.0%	100
M1948	3	12	59.4	7.4	0	3.2	15	0	850	12.6%	25.1%	0
M1949	4	16	54.2	7.4	0	3.4	15	0	850	10.7%	22.0%	100
M1950	3	12	58.8	7.4	0	3.8	15	0	850	12.5%	25.1%	0
M1951	4	16	53.6	7.4	0	4	15	0	850	10.7%	22.0%	100
M1952	3	12	58.2	7.4	0	4.4	15	0	850	12.5%	25.2%	0
M1953	4	16	53	7.4	0	4.6	15	0	850	10.6%	22.1%	100
M1954	3	12	57.6	7.4	0	5	15	0	850	12.4%	25.2%	0
M1955	4	16	52.4	7.4	0	5.2	15	0	850	10.5%	22.1%	100
M1956	3	12	57	7.4	0	5.6	15	0	850	12.4%	25.2%	0
M1957	4	16	51.8	7.4	0	5.8	15	0	850	10.5%	22.1%	100
M1958	3	12	56.4	7.4	0	6.2	15	0	850	12.3%	25.1%	50
M1959	4	16	51.2	7.4	0	6.4	15	0	850	10.4%	22.2%	100
M1960	4	16	49	7.4	0	8.6	15	0	800	10.2%	22.3%	150
M1961	4	16	48.4	7.4	0	9.2	15	0	800	10.1%	22.3%	150
M1962	4	16	47.8	7.4	0	9.8	15	0	800	10.1%	22.4%	100
M1963	3	12	52.4	7.4	0	10.2	15	0	800	12.1%	25.0%	50
M1964	4	16	47.2	7.4	0	10.4	15	0	800	10.0%	22.4%	100
M1965	3	12	51.8	7.4	0	10.8	15	0	800	12.0%	25.0%	50
M1966	4	16	46.6	7.4	0	11	15	0	800	10.0%	22.4%	100
M1967	3	12	51.2	7.4	0	11.4	15	0	800	12.0%	25.0%	100
M1968	4	16	46	7.4	0	11.6	15	0	800	9.9%	22.5%	100
M1969	3	12	50.6	7.4	0	12	15	0	800	12.0%	25.0%	100
M1970	4	16	45.4	7.4	0	12.2	15	0	800	9.9%	22.5%	100
M1971	3	12	50	7.4	0	12.6	15	0	800	11.9%	25.1%	100
M1972	4	16	44.8	7.4	0	12.8	15	0	800	9.8%	22.6%	150
M1973	3	12	49.4	7.4	0	13.2	15	0	800	11.9%	25.1%	100
M1974	4	16	44.2	7.4	0	13.4	15	0	800	9.8%	22.6%	150
M1975	3	12	48.8	7.4	0	13.8	15	0	800	11.9%	25.1%	100
M1976	4	16	43.6	7.4	0	14	15	0	800	10.0%	22.6%	150
M1977	2.4	10	70.1	7.5	0	0	10	0	900	9.8%	17.2%	-50

M1978	3	10	69.5	7.5	0	0	10	0	900	7.8%	17.2%	-50
M1979	2.4	10.2	69.9	7.5	0	0	10	0	900	9.9%	17.1%	-50
M1980	3	10.2	69.3	7.5	0	0	10	0	900	7.9%	17.1%	-50
M1981	2.4	10.4	69.7	7.5	0	0	10	0	900	10.0%	16.9%	-50
M1982	3	10.4	69.1	7.5	0	0	10	0	900	8.0%	16.9%	-50
M1983	2.4	10.6	69.5	7.5	0	0	10	0	900	10.1%	16.8%	-50
M1984	3	10.6	68.9	7.5	0	0	10	0	900	8.1%	16.8%	-50
M1985	2.4	10.8	69.3	7.5	0	0	10	0	900	10.2%	16.7%	-50
M1986	3	10.8	68.7	7.5	0	0	10	0	900	8.2%	16.7%	-50
M1987	2.4	11	69.1	7.5	0	0	10	0	900	10.4%	16.6%	-50
M1988	3	11	68.5	7.5	0	0	10	0	900	8.3%	16.5%	-50
M1989	2.4	11.2	68.9	7.5	0	0	10	0	900	10.5%	16.4%	-50
M1990	3	11.2	68.3	7.5	0	0	10	0	900	8.4%	16.4%	-50
M1991	2.4	11.4	68.7	7.5	0	0	10	0	900	10.6%	16.3%	-50
M1992	3	11.4	68.1	7.5	0	0	10	0	900	8.5%	16.3%	-50
M1993	2.4	11.6	68.5	7.5	0	0	10	0	900	10.7%	16.2%	-50
M1994	3	11.6	67.9	7.5	0	0	10	0	900	8.6%	16.1%	-50
M1995	2.4	11.8	68.3	7.5	0	0	10	0	900	10.8%	16.0%	-50
M1996	3	11.8	67.7	7.5	0	0	10	0	900	8.7%	16.0%	-50
M1997	2.6	12	67.9	7.5	0	0	10	0	900	10.2%	15.8%	-50
M1998	3	12	62.4	7.6	0	0	15	0	900	12.9%	24.9%	-50
M1999	4	16	57.2	7.6	0	0.2	15	0	900	11.2%	21.9%	50
M2000	3	12	61.8	7.6	0	0.6	15	0	850	12.8%	24.9%	0
M2001	4	16	56.6	7.6	0	0.8	15	0	850	11.1%	21.9%	50
M2002	3	12	61.2	7.6	0	1.2	15	0	850	12.8%	25.0%	0
M2003	4	16	56	7.6	0	1.4	15	0	850	11.0%	21.9%	100
M2004	3	12	60.6	7.6	0	1.8	15	0	850	12.7%	25.0%	0
M2005	4	16	55.4	7.6	0	2	15	0	850	10.9%	22.0%	100
M2006	3	12	60	7.6	0	2.4	15	0	850	12.7%	25.0%	0
M2007	4	16	54.8	7.6	0	2.6	15	0	850	10.9%	22.0%	100
M2008	3	12	59.4	7.6	0	3	15	0	850	12.6%	25.1%	0
M2009	4	16	54.2	7.6	0	3.2	15	0	850	10.8%	22.0%	100
M2010	3	12	58.8	7.6	0	3.6	15	0	850	12.5%	25.1%	0
M2011	4	16	53.6	7.6	0	3.8	15	0	850	10.7%	22.0%	100
M2012	3	12	58.2	7.6	0	4.2	15	0	850	12.5%	25.1%	0
M2013	4	16	53	7.6	0	4.4	15	0	850	10.6%	22.1%	100
M2014	3	12	57.6	7.6	0	4.8	15	0	850	12.4%	25.2%	0
M2015	4	16	52.4	7.6	0	5	15	0	850	10.6%	22.1%	100
M2016	3	12	57	7.6	0	5.4	15	0	850	12.4%	25.2%	0
M2017	4	16	51.8	7.6	0	5.6	15	0	850	10.5%	22.1%	100
M2018	3	12	56.4	7.6	0	6	15	0	850	12.3%	25.2%	50

M2019	4	16	51.2	7.6	0	6.2	15	0	850	10.4%	22.1%	100
M2020	4	16	48.8	7.6	0	8.6	15	0	800	10.2%	22.3%	150
M2021	4	16	48.2	7.6	0	9.2	15	0	800	10.1%	22.3%	150
M2022	4	16	47.6	7.6	0	9.8	15	0	800	10.1%	22.3%	100
M2023	3	12	52.2	7.6	0	10.2	15	0	800	12.0%	25.0%	50
M2024	4	16	47	7.6	0	10.4	15	0	800	10.0%	22.4%	100
M2025	3	12	51.6	7.6	0	10.8	15	0	800	12.0%	25.0%	50
M2026	4	16	46.4	7.6	0	11	15	0	800	10.0%	22.4%	100
M2027	3	12	51	7.6	0	11.4	15	0	800	12.0%	25.0%	100
M2028	4	16	45.8	7.6	0	11.6	15	0	800	9.9%	22.5%	100
M2029	3	12	50.4	7.6	0	12	15	0	800	12.0%	25.0%	100
M2030	4	16	45.2	7.6	0	12.2	15	0	800	9.9%	22.5%	100
M2031	3	12	49.8	7.6	0	12.6	15	0	800	11.9%	25.1%	100
M2032	4	16	44.6	7.6	0	12.8	15	0	800	9.8%	22.5%	150
M2033	3	12	49.2	7.6	0	13.2	15	0	800	11.9%	25.1%	100
M2034	4	16	44	7.6	0	13.4	15	0	800	9.8%	22.6%	150
M2035	3	12	48.6	7.6	0	13.8	15	0	800	11.9%	25.1%	100
M2036	4	16	43.4	7.6	0	14	15	0	800	10.0%	22.6%	150
M2037	3	12	62	7.8	0	0.2	15	0	850	12.9%	24.9%	-50
M2038	4	16	56.8	7.8	0	0.4	15	0	850	11.2%	21.9%	50
M2039	3	12	61.4	7.8	0	0.8	15	0	850	12.8%	24.9%	0
M2040	4	16	56.2	7.8	0	1	15	0	850	11.1%	21.9%	50
M2041	3	12	60.8	7.8	0	1.4	15	0	850	12.8%	25.0%	0
M2042	4	16	55.6	7.8	0	1.6	15	0	850	11.0%	21.9%	100
M2043	3	12	60.2	7.8	0	2	15	0	850	12.7%	25.0%	0
M2044	4	16	55	7.8	0	2.2	15	0	850	10.9%	22.0%	100
M2045	3	12	59.6	7.8	0	2.6	15	0	850	12.6%	25.0%	0
M2046	4	16	54.4	7.8	0	2.8	15	0	850	10.8%	22.0%	100
M2047	3	12	59	7.8	0	3.2	15	0	850	12.6%	25.1%	0
M2048	4	16	53.8	7.8	0	3.4	15	0	850	10.8%	22.0%	100
M2049	3	12	58.4	7.8	0	3.8	15	0	850	12.5%	25.1%	0
M2050	4	16	53.2	7.8	0	4	15	0	850	10.7%	22.0%	100
M2051	3	12	57.8	7.8	0	4.4	15	0	850	12.5%	25.1%	0
M2052	4	16	52.6	7.8	0	4.6	15	0	850	10.6%	22.1%	100
M2053	3	12	57.2	7.8	0	5	15	0	850	12.4%	25.2%	0
M2054	4	16	52	7.8	0	5.2	15	0	850	10.5%	22.1%	100
M2055	3	12	56.6	7.8	0	5.6	15	0	850	12.4%	25.2%	0
M2056	4	16	51.4	7.8	0	5.8	15	0	850	10.5%	22.1%	100
M2057	4	16	51	7.8	0	6.2	15	0	850	10.4%	22.1%	100
M2058	4	16	48.6	7.8	0	8.6	15	0	800	10.2%	22.3%	150
M2059	4	16	48	7.8	0	9.2	15	0	800	10.1%	22.3%	150

M2060	4	16	47.4	7.8	0	9.8	15	0	800	10.0%	22.3%	100
M2061	4	16	47	7.8	0	10.2	15	0	800	10.0%	22.4%	100
M2062	3	12	51.6	7.8	0	10.6	15	0	800	12.0%	25.0%	50
M2063	4	16	46.4	7.8	0	10.8	15	0	800	10.0%	22.4%	100
M2064	3	12	51	7.8	0	11.2	15	0	800	12.0%	25.0%	100
M2065	4	16	45.8	7.8	0	11.4	15	0	800	9.9%	22.4%	100
M2066	3	12	50.4	7.8	0	11.8	15	0	800	12.0%	25.0%	100
M2067	4	16	45.2	7.8	0	12	15	0	800	9.9%	22.5%	100
M2068	3	12	49.8	7.8	0	12.4	15	0	800	11.9%	25.0%	100
M2069	4	16	44.6	7.8	0	12.6	15	0	800	9.8%	22.5%	150
M2070	3	12	49.2	7.8	0	13	15	0	800	11.9%	25.1%	100
M2071	4	16	44	7.8	0	13.2	15	0	800	9.8%	22.6%	150
M2072	3	12	48.6	7.8	0	13.6	15	0	800	11.9%	25.1%	100
M2073	4	16	43.4	7.8	0	13.8	15	0	800	10.0%	22.6%	150
M2074	3.75	7	61.25	8	0	0	20	0	850	8.0%	32.9%	150
M2075	4	8	60	8	0	0	20	0	850	9.0%	34.2%	200
M2076	2	10	70	8	0	0	10	0	900	10.5%	17.0%	-50
M2077	2.5	10	69.5	8	0	0	10	0	900	9.4%	17.2%	-50
M2078	3	10	69	8	0	0	10	0	900	7.8%	17.2%	-50
M2079	3	10	68.5	8	0	0	10.5	0	900	8.1%	18.1%	-50
M2080	2.5	10	68	8	0	0	11.5	0	900	10.5%	20.0%	-50
M2081	3	10	67	8	0	0	12	0	900	9.2%	20.8%	-50
M2082	2.2	10.2	69.6	8	0	0	10	0	900	10.6%	17.2%	-50
M2083	2.6	10.2	69.2	8	0	0	10	0	900	9.2%	17.0%	-50
M2084	2	10.2	69.3	8	0	0	10.5	0	900	10.7%	17.3%	-50
M2085	2.5	10.2	68.3	8	0	0	11	0	900	10.4%	19.0%	-50
M2086	3	10.2	67.3	8	0	0	11.5	0	900	8.9%	19.8%	-50
M2087	2	10.4	69.6	8	0	0	10	0	900	10.9%	16.9%	-50
M2088	2.5	10.4	69.1	8	0	0	10	0	900	9.7%	16.9%	-50
M2089	3	10.4	68.6	8	0	0	10	0	900	8.0%	16.9%	-50
M2090	3	10.4	68.1	8	0	0	10.5	0	900	8.3%	17.8%	-50
M2091	2.5	10.4	67.6	8	0	0	11.5	0	900	10.9%	19.8%	-50
M2092	3	10.4	66.6	8	0	0	12	0	900	9.4%	20.6%	-50
M2093	2.4	10.6	69	8	0	0	10	0	900	10.2%	16.8%	-50
M2094	2.8	10.6	68.6	8	0	0	10	0	900	8.7%	16.7%	-50
M2095	2.5	10.6	68.4	8	0	0	10.5	0	900	10.2%	17.7%	-50
M2096	3	10.6	67.4	8	0	0	11	0	900	8.8%	18.6%	-50
M2097	2.5	10.6	66.9	8	0	0	12	0	900	11.2%	20.6%	-50
M2098	2	10.8	69.2	8	0	0	10	0	900	11.3%	16.9%	-50
M2099	2.5	10.8	68.7	8	0	0	10	0	900	9.9%	16.6%	-50
M2100	3	10.8	68.2	8	0	0	10	0	900	8.2%	16.6%	-50

M2101	2.5	10.8	67.7	8	0	0	11	0	900	10.7%	18.6%	-50
M2102	2.5	10.8	67.2	8	0	0	11.5	0	900	11.1%	19.5%	-50
M2103	3	10.8	66.2	8	0	0	12	0	900	9.6%	20.3%	-50
M2104	3.5	10.8	64.7	8	0	0	13	0	900	8.6%	22.1%	0
M2105	3.5	10.8	63.7	8	0	0	14	0	900	9.4%	23.9%	0
M2106	3.5	10.8	62.7	8	0	0	15	0	850	10.2%	25.6%	50
M2107	2	11	69	8	0	0	10	0	900	11.5%	16.8%	-50
M2108	2.5	11	68.5	8	0	0	10	0	900	10.0%	16.5%	-50
M2109	3	11	68	8	0	0	10	0	900	8.3%	16.5%	-50
M2110	2.5	11	67.5	8	0	0	11	0	900	10.8%	18.4%	-50
M2111	2.5	11	67	8	0	0	11.5	0	900	11.2%	19.4%	-50
M2112	3	11	66	8	0	0	12	0	900	9.7%	20.2%	-50
M2113	3.5	11	64.5	8	0	0	13	0	900	8.7%	22.0%	0
M2114	3.5	11	63.5	8	0	0	14	0	900	9.5%	23.7%	0
M2115	3.5	11	62.5	8	0	0	15	0	850	10.3%	25.4%	50
M2116	3	11.2	69.8	8	0	0	8	0	900	7.1%	12.6%	-50
M2117	2.2	11.2	68.6	8	0	0	10	0	900	11.3%	16.5%	-50
M2118	2.6	11.2	68.2	8	0	0	10	0	900	9.7%	16.4%	-50
M2119	2.5	11.2	67.8	8	0	0	10.5	0	900	10.5%	17.3%	-50
M2120	3	11.2	66.8	8	0	0	11	0	900	9.1%	18.2%	-50
M2121	3	11.2	66.3	8	0	0	11.5	0	900	9.5%	19.1%	-50
M2122	3.5	11.2	65.3	8	0	0	12	0	900	8.2%	20.1%	0
M2123	4	11.2	63.8	8	0	0	13	0	900	7.3%	22.1%	100
M2124	4	11.2	62.8	8	0	0	14	0	900	7.9%	23.8%	100
M2125	4	11.2	61.8	8	0	0	15	0	900	8.6%	25.4%	100
M2126	2	11.4	68.6	8	0	0	10	0	900	12.0%	16.6%	-50
M2127	2.5	11.4	68.1	8	0	0	10	0	900	10.2%	16.3%	-50
M2128	3	11.4	67.6	8	0	0	10	0	900	8.5%	16.2%	-50
M2129	3	11.4	67.1	8	0	0	10.5	0	900	8.8%	17.2%	-50
M2130	3.5	11.4	66.1	8	0	0	11	0	900	7.6%	18.2%	0
M2131	2.5	11.4	66.1	8	0	0	12	0	900	11.9%	20.1%	-50
M2132	3	11.4	64.6	8	0	0	13	0	850	10.8%	21.7%	-50
M2133	3	11.4	63.6	8	0	0	14	0	850	11.6%	23.5%	-50
M2134	3	11.4	62.6	8	0	0	15	0	850	12.4%	25.3%	0
M2135	3	11.6	69.4	8	0	0	8	0	900	7.3%	12.4%	-50
M2136	2.2	11.6	68.2	8	0	0	10	0	900	11.5%	16.3%	-50
M2137	2.6	11.6	67.8	8	0	0	10	0	900	10.0%	16.1%	-50
M2138	3.5	11.6	66.9	8	0	0	10	0	900	7.1%	16.3%	0
M2139	2.5	11.6	66.9	8	0	0	11	0	900	11.2%	18.0%	-50
M2140	2.5	11.6	66.4	8	0	0	11.5	0	900	11.6%	19.0%	-50
M2141	3	11.6	65.4	8	0	0	12	0	900	10.1%	19.8%	-50

M2142	3.5	11.6	63.9	8	0	0	13	0	900	9.1%	21.6%	0
M2143	3.5	11.6	62.9	8	0	0	14	0	900	9.8%	23.3%	0
M2144	3.5	11.6	61.9	8	0	0	15	0	850	10.6%	25.0%	0
M2145	3	11.8	68.2	8	0	0	9	0	900	8.0%	14.1%	-50
M2146	2.4	11.8	67.8	8	0	0	10	0	900	10.8%	16.0%	-50
M2147	2.8	11.8	67.4	8	0	0	10	0	900	9.4%	15.9%	-50
M2148	2.5	11.8	67.2	8	0	0	10.5	0	900	10.9%	16.9%	-50
M2149	3	11.8	66.2	8	0	0	11	0	900	9.4%	17.8%	-50
M2150	3	11.8	65.7	8	0	0	11.5	0	900	9.8%	18.7%	-50
M2151	3.5	11.8	64.7	8	0	0	12	0	900	8.5%	19.7%	50
M2152	3.5	11.8	63.7	8	0	0	13	0	900	9.2%	21.4%	0
M2153	3.5	11.8	62.7	8	0	0	14	0	900	9.9%	23.1%	0
M2154	3.5	11.8	61.7	8	0	0	15	0	850	10.7%	24.9%	0
M2155	3	12	68	8	0	0	9	0	900	8.1%	14.0%	-50
M2156	2.5	12	67.5	8	0	0	10	0	900	10.6%	15.9%	-50
M2157	3	12	67	8	0	0	10	0	900	8.8%	15.8%	-50
M2158	3	12	66.5	8	0	0	10.5	0	900	9.1%	16.8%	-50
M2159	3.5	12	65.5	8	0	0	11	0	900	7.9%	17.8%	0
M2160	2.5	12	65.5	8	0	0	12	0	900	12.3%	19.9%	-50
M2161	4	12	64	8	0	0	12	0	900	7.1%	19.8%	50
M2162	4	12	63	8	0	0	13	0	900	7.7%	21.5%	100
M2163	4	12	62	8	0	0	14	0	900	8.3%	23.2%	100
M2164	3.5	12	61.5	8	0	0	15	0	850	10.9%	24.7%	0
M2165	3	12.2	66.8	8	0	0	10	0	900	8.9%	15.7%	-50
M2166	2.5	12.2	66.3	8	0	0	11	0	900	11.5%	17.6%	-50
M2167	3	12.2	65.3	8	0	0	11.5	0	900	10.0%	18.4%	-50
M2168	2.5	12.4	67.1	8	0	0	10	0	900	10.8%	15.6%	-50
M2169	3	12.4	66.1	8	0	0	10.5	0	900	9.4%	16.5%	-50
M2170	2.5	12.4	65.6	8	0	0	11.5	0	900	12.1%	18.4%	-50
M2171	3	12.4	64.6	8	0	0	12	0	900	10.5%	19.2%	-50
M2172	2.5	12.6	66.4	8	0	0	10.5	0	900	11.3%	16.4%	-50
M2173	3	12.6	65.4	8	0	0	11	0	900	9.8%	17.3%	-50
M2174	2.5	12.6	64.9	8	0	0	12	0	900	12.7%	19.6%	-50
M2175	3	12.8	66.2	8	0	0	10	0	900	9.2%	15.3%	-50
M2176	2.5	12.8	65.7	8	0	0	11	0	900	11.9%	17.2%	-50
M2177	3	12.8	64.7	8	0	0	11.5	0	900	10.4%	18.0%	-50
M2178	2.5	13	66.5	8	0	0	10	0	900	11.1%	15.2%	-50
M2179	3	13	65.5	8	0	0	10.5	0	900	9.7%	16.1%	-50
M2180	2.5	13	65	8	0	0	11.5	0	900	12.4%	18.4%	-50
M2181	3	13	64	8	0	0	12	0	900	10.9%	18.8%	0
M2182	2.5	13.2	65.8	8	0	0	10.5	0	900	11.7%	16.0%	-50

M2183	3	13.2	64.8	8	0	0	11	0	900	10.2%	16.8%	-50
M2184	2.5	13.2	64.3	8	0	0	12	0	900	13.0%	19.1%	-50
M2185	3	13.4	65.6	8	0	0	10	0	900	9.5%	14.9%	-50
M2186	2.5	13.4	65.1	8	0	0	11	0	900	12.2%	16.9%	-50
M2187	3	13.4	64.1	8	0	0	11.5	0	900	10.7%	17.6%	-50
M2188	2.5	13.6	65.9	8	0	0	10	0	900	11.5%	14.8%	-50
M2189	3	13.6	64.9	8	0	0	10.5	0	900	10.0%	15.7%	-50
M2190	2.5	13.6	64.4	8	0	0	11.5	0	900	12.8%	18.2%	-50
M2191	3	13.6	63.4	8	0	0	12	0	850	11.2%	18.4%	-50
M2192	2.5	13.8	65.2	8	0	0	10.5	0	900	12.0%	15.6%	-50
M2193	3	13.8	64.2	8	0	0	11	0	900	10.5%	16.4%	-50
M2194	3	13.8	63.2	8	0	0	12	0	850	11.3%	18.2%	-50
M2195	2.5	14	65	8	0	0	10.5	0	900	12.2%	15.5%	-50
M2196	3	14	64	8	0	0	11	0	900	10.6%	16.3%	-50
M2197	3	14	63	8	0	0	12	0	850	11.5%	18.1%	-50
M2198	4	16	56.8	8	0	0.2	15	0	850	11.2%	21.9%	50
M2199	3	12	61.4	8	0	0.6	15	0	850	12.9%	24.9%	0
M2200	4	16	56.2	8	0	0.8	15	0	850	11.1%	21.9%	50
M2201	3	12	60.8	8	0	1.2	15	0	850	12.8%	25.0%	0
M2202	4	16	55.6	8	0	1.4	15	0	850	11.0%	21.9%	100
M2203	3	12	60.2	8	0	1.8	15	0	850	12.7%	25.0%	0
M2204	4	16	55	8	0	2	15	0	850	11.0%	21.9%	100
M2205	3	12	59.6	8	0	2.4	15	0	850	12.7%	25.0%	0
M2206	4	16	54.4	8	0	2.6	15	0	850	10.9%	22.0%	100
M2207	3	12	59	8	0	3	15	0	850	12.6%	25.1%	0
M2208	4	16	53.8	8	0	3.2	15	0	850	10.8%	22.0%	100
M2209	3	12	58.4	8	0	3.6	15	0	850	12.5%	25.1%	0
M2210	4	16	53.2	8	0	3.8	15	0	850	10.7%	22.0%	100
M2211	3	12	57.8	8	0	4.2	15	0	850	12.5%	25.1%	0
M2212	4	16	52.6	8	0	4.4	15	0	850	10.6%	22.0%	100
M2213	3	12	57.2	8	0	4.8	15	0	850	12.4%	25.2%	0
M2214	4	16	52	8	0	5	15	0	850	10.6%	22.1%	100
M2215	3	12	56.6	8	0	5.4	15	0	850	12.4%	25.2%	0
M2216	4	16	51.4	8	0	5.6	15	0	850	10.5%	22.1%	100
M2217	3	12	56	8	0	6	15	0	850	12.3%	25.2%	50
M2218	4	16	50.6	8	0	6.4	15	0	800	10.4%	22.1%	100
M2219	4	16	47.8	8	0	9.2	15	0	800	10.1%	22.3%	150
M2220	4	16	47.2	8	0	9.8	15	0	800	10.0%	22.3%	150
M2221	4	16	46.8	8	0	10.2	15	0	800	10.0%	22.3%	100
M2222	3	12	51.4	8	0	10.6	15	0	800	12.0%	25.0%	50
M2223	4	16	46.2	8	0	10.8	15	0	800	10.0%	22.4%	100

M2224	3	12	50.8	8	0	11.2	15	0	800	12.0%	25.0%	100
M2225	4	16	45.6	8	0	11.4	15	0	800	9.9%	22.4%	100
M2226	3	12	50.2	8	0	11.8	15	0	800	11.9%	25.0%	100
M2227	4	16	45	8	0	12	15	0	800	9.9%	22.5%	100
M2228	3	12	49.6	8	0	12.4	15	0	800	11.9%	25.0%	100
M2229	4	16	44.4	8	0	12.6	15	0	800	9.8%	22.5%	150
M2230	3	12	49	8	0	13	15	0	800	11.9%	25.0%	100
M2231	4	16	43.8	8	0	13.2	15	0	800	9.8%	22.5%	150
M2232	3	12	48.4	8	0	13.6	15	0	800	11.9%	25.1%	100
M2233	4	16	43.2	8	0	13.8	15	0	800	9.7%	22.6%	150
M2234	3	12	61.8	8.2	0	0	15	0	850	12.9%	24.9%	-50
M2235	4	16	56.6	8.2	0	0.2	15	0	850	11.2%	21.9%	50
M2236	3	12	61.2	8.2	0	0.6	15	0	850	12.9%	24.9%	0
M2237	4	16	56	8.2	0	0.8	15	0	850	11.1%	21.9%	50
M2238	3	12	60.6	8.2	0	1.2	15	0	850	12.8%	24.9%	0
M2239	4	16	55.4	8.2	0	1.4	15	0	850	11.0%	21.9%	100
M2240	3	12	60	8.2	0	1.8	15	0	850	12.7%	25.0%	0
M2241	4	16	54.8	8.2	0	2	15	0	850	11.0%	21.9%	100
M2242	3	12	59.4	8.2	0	2.4	15	0	850	12.7%	25.0%	0
M2243	4	16	54.2	8.2	0	2.6	15	0	850	10.9%	22.0%	100
M2244	3	12	58.8	8.2	0	3	15	0	850	12.6%	25.0%	0
M2245	4	16	53.6	8.2	0	3.2	15	0	850	10.8%	22.0%	100
M2246	3	12	58.2	8.2	0	3.6	15	0	850	12.6%	25.1%	0
M2247	4	16	53	8.2	0	3.8	15	0	850	10.7%	22.0%	100
M2248	3	12	57.6	8.2	0	4.2	15	0	850	12.5%	25.1%	0
M2249	4	16	52.4	8.2	0	4.4	15	0	850	10.6%	22.0%	100
M2250	3	12	57	8.2	0	4.8	15	0	850	12.4%	25.2%	0
M2251	4	16	51.8	8.2	0	5	15	0	850	10.6%	22.1%	100
M2252	3	12	56.4	8.2	0	5.4	15	0	850	12.4%	25.2%	0
M2253	4	16	51.2	8.2	0	5.6	15	0	850	10.5%	22.1%	100
M2254	4	16	50.8	8.2	0	6	15	0	800	10.4%	22.1%	100
M2255	4	16	47.8	8.2	0	9	15	0	800	10.1%	22.3%	150
M2256	4	16	47.2	8.2	0	9.6	15	0	800	10.1%	22.3%	150
M2257	3	12	51.6	8.2	0	10.2	15	0	800	12.0%	25.0%	50
M2258	4	16	46.4	8.2	0	10.4	15	0	800	10.0%	22.4%	100
M2259	3	12	51	8.2	0	10.8	15	0	800	12.0%	25.0%	50
M2260	4	16	45.8	8.2	0	11	15	0	800	9.9%	22.4%	100
M2261	3	12	50.4	8.2	0	11.4	15	0	800	12.0%	25.0%	100
M2262	4	16	45.2	8.2	0	11.6	15	0	800	9.9%	22.4%	100
M2263	3	12	49.8	8.2	0	12	15	0	800	11.9%	25.0%	100
M2264	4	16	44.6	8.2	0	12.2	15	0	800	9.8%	22.5%	150

M2265	3	12	49.2	8.2	0	12.6	15	0	800	11.9%	25.0%	100
M2266	4	16	44	8.2	0	12.8	15	0	800	9.8%	22.5%	150
M2267	3	12	48.6	8.2	0	13.2	15	0	800	11.9%	25.0%	100
M2268	4	16	43.4	8.2	0	13.4	15	0	800	9.8%	22.5%	150
M2269	3	12	48	8.2	0	13.8	15	0	800	11.8%	25.1%	100
M2270	4	16	42.8	8.2	0	14	15	0	800	9.9%	22.6%	150
M2271	3	12	61.4	8.4	0	0.2	15	0	850	12.9%	24.9%	0
M2272	4	16	56.2	8.4	0	0.4	15	0	850	11.2%	21.9%	50
M2273	3	12	60.8	8.4	0	0.8	15	0	850	12.8%	24.9%	0
M2274	4	16	55.6	8.4	0	1	15	0	850	11.1%	21.9%	50
M2275	3	12	60.2	8.4	0	1.4	15	0	850	12.8%	24.9%	0
M2276	4	16	55	8.4	0	1.6	15	0	850	11.0%	21.9%	100
M2277	3	12	59.6	8.4	0	2	15	0	850	12.7%	25.0%	0
M2278	4	16	54.4	8.4	0	2.2	15	0	850	10.9%	21.9%	100
M2279	3	12	59	8.4	0	2.6	15	0	850	12.7%	25.0%	0
M2280	4	16	53.8	8.4	0	2.8	15	0	850	10.8%	22.0%	100
M2281	3	12	58.4	8.4	0	3.2	15	0	850	12.6%	25.1%	0
M2282	4	16	53.2	8.4	0	3.4	15	0	850	10.8%	22.0%	100
M2283	3	12	57.8	8.4	0	3.8	15	0	850	12.5%	25.1%	0
M2284	4	16	52.6	8.4	0	4	15	0	850	10.7%	22.0%	100
M2285	3	12	57.2	8.4	0	4.4	15	0	850	12.5%	25.1%	0
M2286	4	16	52	8.4	0	4.6	15	0	850	10.6%	22.0%	100
M2287	3	12	56.6	8.4	0	5	15	0	850	12.4%	25.2%	0
M2288	4	16	51.4	8.4	0	5.2	15	0	850	10.5%	22.1%	100
M2289	3	12	56	8.4	0	5.6	15	0	850	12.4%	25.2%	0
M2290	4	16	50.6	8.4	0	6	15	0	800	10.4%	22.1%	100
M2291	4	16	47.4	8.4	0	9.2	15	0	800	10.1%	22.3%	150
M2292	4	16	46.8	8.4	0	9.8	15	0	800	10.0%	22.3%	150
M2293	4	16	46.4	8.4	0	10.2	15	0	800	10.0%	22.3%	150
M2294	3	12	51	8.4	0	10.6	15	0	800	12.0%	25.0%	50
M2295	4	16	45.8	8.4	0	10.8	15	0	800	9.9%	22.4%	100
M2296	3	12	50.4	8.4	0	11.2	15	0	800	12.0%	25.0%	100
M2297	4	16	45.2	8.4	0	11.4	15	0	800	9.9%	22.4%	100
M2298	3	12	49.8	8.4	0	11.8	15	0	800	11.9%	25.0%	100
M2299	4	16	44.6	8.4	0	12	15	0	800	9.8%	22.4%	100
M2300	3	12	49.2	8.4	0	12.4	15	0	800	11.9%	25.0%	100
M2301	4	16	44	8.4	0	12.6	15	0	800	9.8%	22.5%	150
M2302	3	12	48.6	8.4	0	13	15	0	800	11.9%	25.0%	100
M2303	4	16	43.4	8.4	0	13.2	15	0	800	9.8%	22.5%	150
M2304	3	12	48	8.4	0	13.6	15	0	800	11.9%	25.0%	100
M2305	4	16	42.8	8.4	0	13.8	15	0	800	9.7%	22.6%	150

M2306	2	10	69.5	8.5	0	0	10	0	850	10.5%	16.9%	-50
M2307	2.6	10	68.9	8.5	0	0	10	0	900	9.1%	17.1%	-50
M2308	2	10.2	69.3	8.5	0	0	10	0	850	10.7%	16.9%	-50
M2309	2.6	10.2	68.7	8.5	0	0	10	0	900	9.2%	17.0%	-50
M2310	2	10.4	69.1	8.5	0	0	10	0	850	10.9%	16.9%	-50
M2311	2.6	10.4	68.5	8.5	0	0	10	0	900	9.3%	16.9%	-50
M2312	2	10.6	68.9	8.5	0	0	10	0	850	11.1%	16.9%	-50
M2313	2.6	10.6	68.3	8.5	0	0	10	0	900	9.4%	16.7%	-50
M2314	2	10.8	68.7	8.5	0	0	10	0	850	11.3%	16.9%	-50
M2315	2.6	10.8	68.1	8.5	0	0	10	0	900	9.5%	16.6%	-50
M2316	2	11	68.5	8.5	0	0	10	0	850	11.5%	16.8%	-50
M2317	2.6	11	67.9	8.5	0	0	10	0	900	9.7%	16.5%	-50
M2318	2	11.2	68.3	8.5	0	0	10	0	850	11.7%	16.7%	-50
M2319	2.6	11.2	67.7	8.5	0	0	10	0	900	9.8%	16.4%	-50
M2320	2	11.4	68.1	8.5	0	0	10	0	850	12.0%	16.6%	-50
M2321	2.6	11.4	67.5	8.5	0	0	10	0	850	9.9%	16.2%	-50
M2322	2	11.6	67.9	8.5	0	0	10	0	850	12.2%	16.4%	-50
M2323	2.6	11.6	67.3	8.5	0	0	10	0	850	10.0%	16.1%	-50
M2324	2.2	11.8	67.5	8.5	0	0	10	0	850	11.6%	16.1%	-50
M2325	2.8	11.8	66.9	8.5	0	0	10	0	900	9.4%	15.9%	-50
M2326	2.4	12	67.1	8.5	0	0	10	0	850	11.0%	15.9%	-50
M2327	3	12	66.5	8.5	0	0	10	0	900	8.8%	15.8%	-50
M2328	3	12	61.2	8.6	0	0.2	15	0	850	12.9%	24.9%	0
M2329	4	16	56	8.6	0	0.4	15	0	850	11.2%	21.9%	50
M2330	3	12	60.6	8.6	0	0.8	15	0	850	12.8%	24.9%	0
M2331	4	16	55.4	8.6	0	1	15	0	850	11.1%	21.9%	50
M2332	3	12	60	8.6	0	1.4	15	0	850	12.8%	24.9%	0
M2333	4	16	54.8	8.6	0	1.6	15	0	850	11.0%	21.9%	100
M2334	3	12	59.4	8.6	0	2	15	0	850	12.7%	25.0%	0
M2335	4	16	54.2	8.6	0	2.2	15	0	850	10.9%	21.9%	100
M2336	3	12	58.8	8.6	0	2.6	15	0	850	12.7%	25.0%	0
M2337	4	16	53.6	8.6	0	2.8	15	0	850	10.8%	22.0%	100
M2338	3	12	58.2	8.6	0	3.2	15	0	850	12.6%	25.0%	0
M2339	4	16	53	8.6	0	3.4	15	0	850	10.8%	22.0%	100
M2340	3	12	57.6	8.6	0	3.8	15	0	850	12.5%	25.1%	0
M2341	4	16	52.4	8.6	0	4	15	0	850	10.7%	22.0%	100
M2342	3	12	57	8.6	0	4.4	15	0	850	12.5%	25.1%	0
M2343	4	16	51.8	8.6	0	4.6	15	0	850	10.6%	22.0%	100
M2344	3	12	56.4	8.6	0	5	15	0	850	12.4%	25.1%	0
M2345	4	16	51.2	8.6	0	5.2	15	0	800	10.5%	22.1%	100
M2346	3	12	55.8	8.6	0	5.6	15	0	850	12.4%	25.2%	50

M2347	4	16	50.4	8.6	0	6	15	0	800	10.4%	22.1%	100
M2348	4	16	47	8.6	0	9.4	15	0	800	10.1%	22.3%	150
M2349	4	16	46.4	8.6	0	10	15	0	800	10.0%	22.3%	150
M2350	4	16	46	8.6	0	10.4	15	0	800	10.0%	22.3%	150
M2351	3	12	50.6	8.6	0	10.8	15	0	800	12.0%	25.0%	50
M2352	4	16	45.4	8.6	0	11	15	0	800	9.9%	22.4%	100
M2353	3	12	50	8.6	0	11.4	15	0	800	12.0%	25.0%	100
M2354	4	16	44.8	8.6	0	11.6	15	0	800	9.9%	22.4%	100
M2355	3	12	49.4	8.6	0	12	15	0	800	11.9%	25.0%	100
M2356	4	16	44.2	8.6	0	12.2	15	0	800	9.8%	22.4%	150
M2357	3	12	48.8	8.6	0	12.6	15	0	800	11.9%	25.0%	100
M2358	4	16	43.6	8.6	0	12.8	15	0	800	9.8%	22.5%	150
M2359	3	12	48.2	8.6	0	13.2	15	0	800	11.9%	25.0%	100
M2360	4	16	43	8.6	0	13.4	15	0	800	9.7%	22.5%	150
M2361	3	12	47.6	8.6	0	13.8	15	0	800	11.8%	25.0%	100
M2362	4	16	42.4	8.6	0	14	15	0	750	9.7%	22.6%	150
M2363	3	12	61	8.8	0	0.2	15	0	850	12.9%	24.9%	0
M2364	4	16	55.8	8.8	0	0.4	15	0	850	11.2%	21.9%	50
M2365	3	12	60.4	8.8	0	0.8	15	0	850	12.9%	24.9%	0
M2366	4	16	55.2	8.8	0	1	15	0	850	11.1%	21.9%	100
M2367	3	12	59.8	8.8	0	1.4	15	0	850	12.8%	24.9%	0
M2368	4	16	54.6	8.8	0	1.6	15	0	850	11.0%	21.9%	100
M2369	3	12	59.2	8.8	0	2	15	0	850	12.7%	25.0%	0
M2370	4	16	54	8.8	0	2.2	15	0	850	10.9%	21.9%	100
M2371	3	12	58.6	8.8	0	2.6	15	0	850	12.7%	25.0%	0
M2372	4	16	53.4	8.8	0	2.8	15	0	850	10.9%	22.0%	100
M2373	3	12	58	8.8	0	3.2	15	0	850	12.6%	25.0%	0
M2374	4	16	52.8	8.8	0	3.4	15	0	850	10.8%	22.0%	100
M2375	3	12	57.4	8.8	0	3.8	15	0	850	12.5%	25.1%	0
M2376	4	16	52.2	8.8	0	4	15	0	850	10.7%	22.0%	100
M2377	3	12	56.8	8.8	0	4.4	15	0	850	12.5%	25.1%	0
M2378	4	16	51.6	8.8	0	4.6	15	0	800	10.6%	22.0%	100
M2379	3	12	56.2	8.8	0	5	15	0	850	12.4%	25.1%	0
M2380	4	16	51	8.8	0	5.2	15	0	800	10.5%	22.1%	100
M2381	4	16	50.6	8.8	0	5.6	15	0	800	10.5%	22.1%	100
M2382	4	16	47.2	8.8	0	9	15	0	800	10.1%	22.2%	150
M2383	4	16	46.6	8.8	0	9.6	15	0	800	10.0%	22.3%	150
M2384	4	16	46	8.8	0	10.2	15	0	800	10.0%	22.3%	150
M2385	3	12	50.6	8.8	0	10.6	15	0	800	12.0%	25.0%	50
M2386	4	16	45.4	8.8	0	10.8	15	0	800	9.9%	22.3%	150
M2387	3	12	50	8.8	0	11.2	15	0	800	12.0%	25.0%	100

M2388	4	16	44.8	8.8	0	11.4	15	0	800	9.9%	22.4%	100
M2389	3	12	49.4	8.8	0	11.8	15	0	800	11.9%	25.0%	100
M2390	4	16	44.2	8.8	0	12	15	0	800	9.8%	22.4%	150
M2391	3	12	48.8	8.8	0	12.4	15	0	800	11.9%	25.0%	100
M2392	4	16	43.6	8.8	0	12.6	15	0	800	9.8%	22.5%	150
M2393	3	12	48.2	8.8	0	13	15	0	800	11.9%	25.0%	100
M2394	4	16	43	8.8	0	13.2	15	0	800	9.7%	22.5%	150
M2395	3	12	47.6	8.8	0	13.6	15	0	800	11.8%	25.0%	100
M2396	4	16	42.4	8.8	0	13.8	15	0	750	9.7%	22.5%	150
M2397	3.75	7	60.25	9	0	0	20	0	850	8.0%	32.9%	150
M2398	4	8	59	9	0	0	20	0	850	9.0%	34.1%	200
M2399	2	10	69	9	0	0	10	0	850	10.5%	16.9%	-50
M2400	2.5	10	68.5	9	0	0	10	0	850	9.5%	17.1%	-50
M2401	3	10	68	9	0	0	10	0	900	7.8%	17.1%	-50
M2402	3	10	67.5	9	0	0	10.5	0	900	8.2%	18.1%	-50
M2403	2.5	10	67	9	0	0	11.5	0	850	10.5%	20.0%	-50
M2404	3	10	66	9	0	0	12	0	850	9.2%	20.8%	-50
M2405	2.2	10.2	68.6	9	0	0	10	0	850	10.6%	17.1%	-50
M2406	2.6	10.2	68.2	9	0	0	10	0	850	9.2%	17.0%	-50
M2407	2	10.2	68.3	9	0	0	10.5	0	850	10.8%	17.3%	-50
M2408	2.5	10.2	67.3	9	0	0	11	0	850	10.4%	18.9%	-50
M2409	3	10.2	66.3	9	0	0	11.5	0	850	9.0%	19.8%	-50
M2410	2	10.4	68.6	9	0	0	10	0	850	10.9%	16.9%	-50
M2411	2.5	10.4	68.1	9	0	0	10	0	850	9.7%	16.9%	-50
M2412	3	10.4	67.6	9	0	0	10	0	900	8.0%	16.9%	-50
M2413	3	10.4	67.1	9	0	0	10.5	0	900	8.4%	17.8%	-50
M2414	2.5	10.4	66.6	9	0	0	11.5	0	850	10.9%	19.8%	-50
M2415	3	10.4	65.6	9	0	0	12	0	850	9.4%	20.5%	-50
M2416	2.4	10.6	68	9	0	0	10	0	850	10.2%	16.8%	-50
M2417	2.8	10.6	67.6	9	0	0	10	0	850	8.8%	16.7%	-50
M2418	3	10.6	66.9	9	0	0	10.5	0	900	8.5%	17.7%	-50
M2419	2.5	10.6	66.4	9	0	0	11.5	0	850	11.0%	19.6%	-50
M2420	3	10.6	65.4	9	0	0	12	0	850	9.6%	20.4%	-50
M2421	2.2	10.8	68	9	0	0	10	0	850	11.1%	16.8%	-50
M2422	2.6	10.8	67.6	9	0	0	10	0	850	9.6%	16.6%	-50
M2423	2.5	10.8	67.2	9	0	0	10.5	0	850	10.3%	17.6%	-50
M2424	3	10.8	66.2	9	0	0	11	0	850	8.9%	18.5%	-50
M2425	3	10.8	65.7	9	0	0	11.5	0	850	9.3%	19.4%	-50
M2426	3.5	10.8	64.7	9	0	0	12	0	900	8.0%	20.4%	50
M2427	4	10.8	63.2	9	0	0	13	0	850	7.2%	22.3%	100
M2428	4	10.8	62.2	9	0	0	14	0	850	7.8%	24.0%	100

M2429	4	10.8	61.2	9	0	0	15	0	850	8.4%	25.7%	150
M2430	2	11	68	9	0	0	10	0	850	11.5%	16.8%	-50
M2431	2.5	11	67.5	9	0	0	10	0	850	10.0%	16.5%	-50
M2432	3	11	67	9	0	0	10	0	900	8.3%	16.5%	-50
M2433	2.5	11	66.5	9	0	0	11	0	850	10.9%	18.4%	-50
M2434	2.5	11	66	9	0	0	11.5	0	850	11.3%	19.4%	-50
M2435	3	11	65	9	0	0	12	0	850	9.8%	20.1%	-50
M2436	3.5	11	63.5	9	0	0	13	0	850	8.8%	22.0%	0
M2437	3.5	11	62.5	9	0	0	14	0	850	9.5%	23.7%	0
M2438	3.5	11	61.5	9	0	0	15	0	850	10.3%	25.4%	50
M2439	3	11.2	67.8	9	0	0	9	0	900	7.8%	14.5%	-50
M2440	2.4	11.2	67.4	9	0	0	10	0	850	10.5%	16.4%	-50
M2441	2.8	11.2	67	9	0	0	10	0	850	9.1%	16.3%	-50
M2442	3	11.2	66.3	9	0	0	10.5	0	850	8.8%	17.3%	-50
M2443	3.5	11.2	65.3	9	0	0	11	0	850	7.6%	18.3%	0
M2444	2.5	11.2	65.3	9	0	0	12	0	850	11.8%	20.2%	-50
M2445	3	11.2	63.8	9	0	0	13	0	850	10.7%	21.8%	-50
M2446	3	11.2	62.8	9	0	0	14	0	850	11.6%	23.6%	-50
M2447	3	11.2	61.8	9	0	0	15	0	850	12.2%	25.4%	0
M2448	3	11.4	67.6	9	0	0	9	0	900	7.9%	14.4%	-50
M2449	2.4	11.4	67.2	9	0	0	10	0	850	10.6%	16.3%	-50
M2450	2.8	11.4	66.8	9	0	0	10	0	850	9.2%	16.2%	-50
M2451	2.5	11.4	66.6	9	0	0	10.5	0	850	10.7%	17.2%	-50
M2452	3	11.4	65.6	9	0	0	11	0	850	9.2%	18.0%	-50
M2453	3	11.4	65.1	9	0	0	11.5	0	850	9.6%	19.0%	-50
M2454	3.5	11.4	64.1	9	0	0	12	0	900	8.3%	19.9%	50
M2455	4	11.4	62.6	9	0	0	13	0	850	7.4%	21.9%	100
M2456	4	11.4	61.6	9	0	0	14	0	850	8.1%	23.6%	100
M2457	3	11.6	67.4	9	0	0	9	0	900	8.0%	14.2%	-50
M2458	2.4	11.6	67	9	0	0	10	0	850	10.8%	16.1%	-50
M2459	2.8	11.6	66.6	9	0	0	10	0	850	9.3%	16.1%	-50
M2460	2.5	11.6	66.4	9	0	0	10.5	0	850	10.8%	17.1%	-50
M2461	3	11.6	65.4	9	0	0	11	0	850	9.3%	17.9%	-50
M2462	3	11.6	64.9	9	0	0	11.5	0	850	9.7%	18.8%	-50
M2463	3.5	11.6	63.9	9	0	0	12	0	900	8.4%	19.8%	50
M2464	4	11.6	62.4	9	0	0	13	0	850	7.5%	21.8%	100
M2465	4	11.6	61.4	9	0	0	14	0	850	8.2%	23.4%	100
M2466	3	11.8	67.2	9	0	0	9	0	900	8.1%	14.1%	-50
M2467	2.5	11.8	66.7	9	0	0	10	0	850	10.5%	16.0%	-50
M2468	3	11.8	66.2	9	0	0	10	0	900	8.7%	15.9%	-50
M2469	3	11.8	65.7	9	0	0	10.5	0	850	9.1%	16.9%	-50

M2470	3.5	11.8	64.7	9	0	0	11	0	900	7.8%	17.9%	0
M2471	2.5	11.8	64.7	9	0	0	12	0	850	12.2%	20.0%	-50
M2472	4	11.8	63.2	9	0	0	12	0	850	7.0%	19.9%	50
M2473	4	11.8	62.2	9	0	0	13	0	850	7.6%	21.6%	100
M2474	4	11.8	61.2	9	0	0	14	0	850	8.3%	23.3%	100
M2475	3	12	67	9	0	0	9	0	900	8.2%	14.0%	-50
M2476	2.5	12	66.5	9	0	0	10	0	850	10.6%	15.8%	-50
M2477	3	12	66	9	0	0	10	0	900	8.8%	15.8%	-50
M2478	3	12	65.5	9	0	0	10.5	0	850	9.2%	16.7%	-50
M2479	3.5	12	64.5	9	0	0	11	0	900	7.9%	17.8%	0
M2480	2.5	12	64.5	9	0	0	12	0	850	12.3%	19.9%	-50
M2481	4	12	63	9	0	0	12	0	850	7.1%	19.8%	50
M2482	4	12	62	9	0	0	13	0	850	7.7%	21.5%	100
M2483	3	12	61	9	0	0	15	0	850	12.9%	24.8%	-50
M2484	2.5	12.2	65.8	9	0	0	10.5	0	850	11.1%	16.7%	-50
M2485	3	12.2	64.8	9	0	0	11	0	850	9.7%	17.5%	0
M2486	2.5	12.2	64.3	9	0	0	12	0	850	12.4%	19.8%	-50
M2487	3	12.4	65.6	9	0	0	10	0	900	9.0%	15.5%	-50
M2488	2.5	12.4	65.1	9	0	0	11	0	850	11.7%	17.5%	-50
M2489	3	12.4	64.1	9	0	0	11.5	0	850	10.2%	18.3%	0
M2490	2.5	12.6	65.9	9	0	0	10	0	850	10.9%	15.5%	-50
M2491	3	12.6	64.9	9	0	0	10.5	0	850	9.5%	16.3%	-50
M2492	2.5	12.6	64.4	9	0	0	11.5	0	850	12.2%	18.5%	-50
M2493	3	12.6	63.4	9	0	0	12	0	850	10.7%	19.1%	0
M2494	2.5	12.8	65.2	9	0	0	10.5	0	850	11.5%	16.3%	-50
M2495	3	12.8	64.2	9	0	0	11	0	850	10.0%	17.1%	-50
M2496	2.5	12.8	63.7	9	0	0	12	0	850	12.8%	19.4%	-50
M2497	3	13	65	9	0	0	10	0	850	9.3%	15.1%	-50
M2498	2.5	13	64.5	9	0	0	11	0	850	12.0%	17.1%	-50
M2499	3	13	63.5	9	0	0	11.5	0	850	10.5%	17.9%	-50
M2500	2.5	13.2	65.3	9	0	0	10	0	850	11.3%	15.1%	-50
M2501	3	13.2	64.3	9	0	0	10.5	0	850	9.8%	15.9%	-50
M2502	2.5	13.2	63.8	9	0	0	11.5	0	850	12.6%	18.5%	-50
M2503	3	13.2	62.8	9	0	0	12	0	850	11.0%	18.6%	0
M2504	2.5	13.4	64.6	9	0	0	10.5	0	850	11.8%	15.9%	-50
M2505	3	13.4	63.6	9	0	0	11	0	850	10.3%	16.7%	-50
M2506	2.5	13.4	63.1	9	0	0	12	0	850	13.1%	19.0%	-50
M2507	3	13.6	64.4	9	0	0	10	0	850	9.7%	14.7%	-50
M2508	2.5	13.6	63.9	9	0	0	11	0	850	12.4%	17.1%	-50
M2509	3	13.6	62.9	9	0	0	11.5	0	850	10.8%	17.5%	-50
M2510	2.5	13.8	64.7	9	0	0	10	0	850	11.6%	14.7%	-50

M2511	3	13.8	63.7	9	0	0	10.5	0	850	10.2%	15.5%	-50
M2512	2.5	13.8	63.2	9	0	0	11.5	0	850	13.0%	18.0%	-50
M2513	2.5	14	64.5	9	0	0	10	0	850	11.8%	14.5%	-50
M2514	3	14	63.5	9	0	0	10.5	0	850	10.3%	15.4%	-50
M2515	2.5	14	63	9	0	0	11.5	0	850	13.1%	17.9%	-50
M2516	4	16	56	9	0	0	15	0	850	11.3%	21.8%	50
M2517	3	12	60.6	9	0	0.4	15	0	850	12.9%	24.9%	0
M2518	4	16	55.4	9	0	0.6	15	0	850	11.2%	21.9%	50
M2519	3	12	60	9	0	1	15	0	850	12.8%	24.9%	0
M2520	4	16	54.8	9	0	1.2	15	0	850	11.1%	21.9%	100
M2521	3	12	59.4	9	0	1.6	15	0	850	12.8%	24.9%	0
M2522	4	16	54.2	9	0	1.8	15	0	850	11.0%	21.9%	100
M2523	3	12	58.8	9	0	2.2	15	0	850	12.7%	25.0%	0
M2524	4	16	53.6	9	0	2.4	15	0	850	10.9%	21.9%	100
M2525	3	12	58.2	9	0	2.8	15	0	850	12.6%	25.0%	0
M2526	4	16	53	9	0	3	15	0	850	10.8%	22.0%	100
M2527	3	12	57.6	9	0	3.4	15	0	850	12.6%	25.0%	0
M2528	4	16	52.4	9	0	3.6	15	0	850	10.7%	22.0%	100
M2529	3	12	57	9	0	4	15	0	850	12.5%	25.1%	0
M2530	4	16	51.8	9	0	4.2	15	0	800	10.7%	22.0%	100
M2531	3	12	56.4	9	0	4.6	15	0	800	12.5%	25.1%	0
M2532	4	16	51.2	9	0	4.8	15	0	800	10.6%	22.0%	100
M2533	3	12	55.8	9	0	5.2	15	0	800	12.4%	25.1%	0
M2534	4	16	50.4	9	0	5.6	15	0	800	10.5%	22.1%	100
M2535	4	16	46.6	9	0	9.4	15	0	800	10.1%	22.3%	150
M2536	4	16	46	9	0	10	15	0	800	10.0%	22.3%	150
M2537	4	16	45.6	9	0	10.4	15	0	800	10.0%	22.3%	150
M2538	3	12	50.2	9	0	10.8	15	0	800	12.0%	25.0%	100
M2539	4	16	45	9	0	11	15	0	800	9.9%	22.3%	150
M2540	3	12	49.6	9	0	11.4	15	0	800	11.9%	25.0%	100
M2541	4	16	44.4	9	0	11.6	15	0	800	9.9%	22.4%	100
M2542	3	12	49	9	0	12	15	0	800	11.9%	25.0%	100
M2543	4	16	43.8	9	0	12.2	15	0	800	9.8%	22.4%	150
M2544	3	12	48.4	9	0	12.6	15	0	800	11.9%	25.0%	100
M2545	4	16	43.2	9	0	12.8	15	0	800	9.8%	22.5%	150
M2546	3	12	47.8	9	0	13.2	15	0	800	11.8%	25.0%	100
M2547	4	16	42.6	9	0	13.4	15	0	750	9.7%	22.5%	150
M2548	3	12	47.2	9	0	13.8	15	0	800	11.8%	25.0%	100
M2549	4	16	42	9	0	14	15	0	750	9.7%	22.5%	150
M2550	3	12	60.6	9.2	0	0.2	15	0	850	12.9%	24.8%	0
M2551	4	16	55.4	9.2	0	0.4	15	0	850	11.2%	21.9%	50

M2552	3	12	60	9.2	0	0.8	15	0	850	12.9%	24.9%	0
M2553	4	16	54.8	9.2	0	1	15	0	850	11.1%	21.9%	100
M2554	3	12	59.4	9.2	0	1.4	15	0	850	12.8%	24.9%	0
M2555	4	16	54.2	9.2	0	1.6	15	0	850	11.0%	21.9%	100
M2556	3	12	58.8	9.2	0	2	15	0	850	12.7%	24.9%	0
M2557	4	16	53.6	9.2	0	2.2	15	0	850	11.0%	21.9%	100
M2558	3	12	58.2	9.2	0	2.6	15	0	850	12.7%	25.0%	0
M2559	4	16	53	9.2	0	2.8	15	0	850	10.9%	21.9%	100
M2560	3	12	57.6	9.2	0	3.2	15	0	850	12.6%	25.0%	0
M2561	4	16	52.4	9.2	0	3.4	15	0	850	10.8%	22.0%	100
M2562	3	12	57	9.2	0	3.8	15	0	800	12.5%	25.1%	0
M2563	4	16	51.8	9.2	0	4	15	0	800	10.7%	22.0%	100
M2564	3	12	56.4	9.2	0	4.4	15	0	800	12.5%	25.1%	0
M2565	4	16	51.2	9.2	0	4.6	15	0	800	10.6%	22.0%	100
M2566	3	12	55.8	9.2	0	5	15	0	800	12.4%	25.1%	0
M2567	4	16	50.4	9.2	0	5.4	15	0	800	10.5%	22.1%	100
M2568	4	16	46.4	9.2	0	9.4	15	0	800	10.0%	22.2%	150
M2569	4	16	45.8	9.2	0	10	15	0	800	10.0%	22.3%	150
M2570	4	16	45.4	9.2	0	10.4	15	0	800	9.9%	22.3%	150
M2571	3	12	50	9.2	0	10.8	15	0	800	12.0%	25.0%	100
M2572	4	16	44.8	9.2	0	11	15	0	800	9.9%	22.3%	150
M2573	3	12	49.4	9.2	0	11.4	15	0	800	11.9%	25.0%	100
M2574	4	16	44.2	9.2	0	11.6	15	0	800	9.8%	22.4%	100
M2575	3	12	48.8	9.2	0	12	15	0	800	11.9%	25.0%	100
M2576	4	16	43.6	9.2	0	12.2	15	0	800	9.8%	22.4%	150
M2577	3	12	48.2	9.2	0	12.6	15	0	800	11.9%	25.0%	100
M2578	4	16	43	9.2	0	12.8	15	0	800	9.7%	22.5%	150
M2579	3	12	47.6	9.2	0	13.2	15	0	800	11.8%	25.0%	100
M2580	4	16	42.4	9.2	0	13.4	15	0	750	9.7%	22.5%	150
M2581	3	12	47	9.2	0	13.8	15	0	800	11.8%	25.0%	100
M2582	4	16	41.8	9.2	0	14	15	0	750	9.7%	22.5%	150
M2583	3	12	60.4	9.4	0	0.2	15	0	850	12.9%	24.8%	0
M2584	4	16	55.2	9.4	0	0.4	15	0	850	11.2%	21.9%	50
M2585	3	12	59.8	9.4	0	0.8	15	0	850	12.9%	24.9%	0
M2586	4	16	54.6	9.4	0	1	15	0	850	11.1%	21.9%	100
M2587	3	12	59.2	9.4	0	1.4	15	0	850	12.8%	24.9%	0
M2588	4	16	54	9.4	0	1.6	15	0	850	11.0%	21.9%	100
M2589	3	12	58.6	9.4	0	2	15	0	850	12.7%	24.9%	0
M2590	4	16	53.4	9.4	0	2.2	15	0	850	11.0%	21.9%	100
M2591	3	12	58	9.4	0	2.6	15	0	850	12.7%	25.0%	0
M2592	4	16	52.8	9.4	0	2.8	15	0	850	10.9%	21.9%	100

M2593	3	12	57.4	9.4	0	3.2	15	0	800	12.6%	25.0%	0
M2594	4	16	52.2	9.4	0	3.4	15	0	800	10.8%	22.0%	100
M2595	3	12	56.8	9.4	0	3.8	15	0	800	12.5%	25.0%	0
M2596	4	16	51.6	9.4	0	4	15	0	800	10.7%	22.0%	100
M2597	3	12	56.2	9.4	0	4.4	15	0	800	12.5%	25.1%	0
M2598	4	16	51	9.4	0	4.6	15	0	800	10.6%	22.0%	100
M2599	3	12	55.6	9.4	0	5	15	0	800	12.4%	25.1%	0
M2600	4	16	50.2	9.4	0	5.4	15	0	800	10.5%	22.1%	100
M2601	4	16	46.2	9.4	0	9.4	15	0	800	10.0%	22.2%	150
M2602	4	16	45.6	9.4	0	10	15	0	800	10.0%	22.3%	150
M2603	3	12	50	9.4	0	10.6	15	0	800	12.0%	24.9%	50
M2604	4	16	44.8	9.4	0	10.8	15	0	800	9.9%	22.3%	150
M2605	3	12	49.4	9.4	0	11.2	15	0	800	11.9%	25.0%	100
M2606	4	16	44.2	9.4	0	11.4	15	0	800	9.9%	22.4%	150
M2607	3	12	48.8	9.4	0	11.8	15	0	800	11.9%	25.0%	100
M2608	4	16	43.6	9.4	0	12	15	0	800	9.8%	22.4%	150
M2609	3	12	48.2	9.4	0	12.4	15	0	800	11.9%	25.0%	100
M2610	4	16	43	9.4	0	12.6	15	0	800	9.8%	22.4%	150
M2611	3	12	47.6	9.4	0	13	15	0	800	11.8%	25.0%	100
M2612	4	16	42.4	9.4	0	13.2	15	0	750	9.7%	22.5%	150
M2613	3	12	47	9.4	0	13.6	15	0	800	11.8%	25.0%	100
M2614	4	16	41.8	9.4	0	13.8	15	0	750	9.7%	22.5%	150
M2615	2	10	68.5	9.5	0	0	10	0	850	10.5%	16.9%	-50
M2616	2.6	10	67.9	9.5	0	0	10	0	850	9.1%	17.1%	-50
M2617	2	10.2	68.3	9.5	0	0	10	0	850	10.7%	16.9%	-50
M2618	2.6	10.2	67.7	9.5	0	0	10	0	850	9.3%	17.0%	-50
M2619	2	10.4	68.1	9.5	0	0	10	0	850	10.9%	16.9%	-50
M2620	2.6	10.4	67.5	9.5	0	0	10	0	850	9.4%	16.9%	-50
M2621	2	10.6	67.9	9.5	0	0	10	0	850	11.1%	16.9%	-50
M2622	2.6	10.6	67.3	9.5	0	0	10	0	850	9.5%	16.7%	-50
M2623	2	10.8	67.7	9.5	0	0	10	0	850	11.3%	16.8%	-50
M2624	2.6	10.8	67.1	9.5	0	0	10	0	850	9.6%	16.6%	-50
M2625	2	11	67.5	9.5	0	0	10	0	850	11.5%	16.8%	-50
M2626	2.6	11	66.9	9.5	0	0	10	0	850	9.7%	16.5%	-50
M2627	2	11.2	67.3	9.5	0	0	10	0	850	11.7%	16.7%	-50
M2628	2.6	11.2	66.7	9.5	0	0	10	0	850	9.8%	16.3%	-50
M2629	2	11.4	67.1	9.5	0	0	10	0	850	12.0%	16.5%	-50
M2630	2.6	11.4	66.5	9.5	0	0	10	0	850	9.9%	16.2%	-50
M2631	2.2	11.6	66.7	9.5	0	0	10	0	850	11.6%	16.3%	-50
M2632	2.8	11.6	66.1	9.5	0	0	10	0	850	9.3%	16.1%	-50
M2633	2.4	11.8	66.3	9.5	0	0	10	0	850	10.9%	16.0%	-50

M2634	3	11.8	65.7	9.5	0	0	10	0	850	8.7%	15.9%	-50
M2635	2.6	12	65.9	9.5	0	0	10	0	850	10.2%	15.8%	-50
M2636	3	12	60.4	9.6	0	0	15	0	850	12.9%	24.8%	50
M2637	3	12	60.2	9.6	0	0.2	15	0	850	12.9%	24.8%	50
M2638	4	16	55	9.6	0	0.4	15	0	850	11.3%	21.9%	50
M2639	3	12	59.6	9.6	0	0.8	15	0	850	12.9%	24.9%	0
M2640	4	16	54.4	9.6	0	1	15	0	850	11.2%	21.9%	100
M2641	3	12	59	9.6	0	1.4	15	0	850	12.8%	24.9%	0
M2642	4	16	53.8	9.6	0	1.6	15	0	850	11.1%	21.9%	100
M2643	3	12	58.4	9.6	0	2	15	0	850	12.7%	24.9%	0
M2644	4	16	53.2	9.6	0	2.2	15	0	850	11.0%	21.9%	100
M2645	3	12	57.8	9.6	0	2.6	15	0	800	12.7%	25.0%	0
M2646	4	16	52.6	9.6	0	2.8	15	0	800	10.9%	21.9%	100
M2647	3	12	57.2	9.6	0	3.2	15	0	800	12.6%	25.0%	0
M2648	4	16	52	9.6	0	3.4	15	0	800	10.8%	22.0%	100
M2649	3	12	56.6	9.6	0	3.8	15	0	800	12.5%	25.0%	0
M2650	4	16	51.4	9.6	0	4	15	0	800	10.7%	22.0%	100
M2651	3	12	56	9.6	0	4.4	15	0	800	12.5%	25.1%	0
M2652	4	16	50.8	9.6	0	4.6	15	0	800	10.6%	22.0%	100
M2653	4	16	50.4	9.6	0	5	15	0	800	10.6%	22.0%	100
M2654	4	16	46	9.6	0	9.4	15	0	800	10.0%	22.2%	150
M2655	4	16	45.4	9.6	0	10	15	0	800	10.0%	22.3%	150
M2656	3	12	49.8	9.6	0	10.6	15	0	800	12.0%	24.9%	100
M2657	4	16	44.6	9.6	0	10.8	15	0	800	9.9%	22.3%	150
M2658	3	12	49.2	9.6	0	11.2	15	0	800	11.9%	24.9%	100
M2659	4	16	44	9.6	0	11.4	15	0	800	9.8%	22.3%	150
M2660	3	12	48.6	9.6	0	11.8	15	0	800	11.9%	25.0%	100
M2661	4	16	43.4	9.6	0	12	15	0	800	9.8%	22.4%	150
M2662	3	12	48	9.6	0	12.4	15	0	800	11.9%	25.0%	100
M2663	4	16	42.8	9.6	0	12.6	15	0	800	9.7%	22.4%	150
M2664	3	12	47.4	9.6	0	13	15	0	800	11.8%	25.0%	100
M2665	4	16	42.2	9.6	0	13.2	15	0	750	9.7%	22.5%	150
M2666	3	12	46.8	9.6	0	13.6	15	0	800	11.8%	25.0%	100
M2667	4	16	41.6	9.6	0	13.8	15	0	750	9.7%	22.5%	150
M2668	3	12	60.2	9.8	0	0	15	0	850	12.9%	24.8%	50
M2669	3	12	60	9.8	0	0.2	15	0	850	12.9%	24.8%	50
M2670	4	16	54.8	9.8	0	0.4	15	0	850	11.3%	21.8%	50
M2671	3	12	59.4	9.8	0	0.8	15	0	850	12.9%	24.9%	0
M2672	4	16	54.2	9.8	0	1	15	0	850	11.2%	21.9%	100
M2673	3	12	58.8	9.8	0	1.4	15	0	850	12.8%	24.9%	0
M2674	4	16	53.6	9.8	0	1.6	15	0	850	11.1%	21.9%	100

M2675	3	12	58.2	9.8	0	2	15	0	850	12.7%	24.9%	0
M2676	4	16	53	9.8	0	2.2	15	0	800	11.0%	21.9%	100
M2677	3	12	57.6	9.8	0	2.6	15	0	800	12.7%	25.0%	0
M2678	4	16	52.4	9.8	0	2.8	15	0	800	10.9%	21.9%	100
M2679	3	12	57	9.8	0	3.2	15	0	800	12.6%	25.0%	0
M2680	4	16	51.8	9.8	0	3.4	15	0	800	10.8%	22.0%	100
M2681	3	12	56.4	9.8	0	3.8	15	0	800	12.5%	25.0%	0
M2682	4	16	51.2	9.8	0	4	15	0	800	10.7%	22.0%	100
M2683	3	12	55.8	9.8	0	4.4	15	0	800	12.5%	25.1%	0
M2684	4	16	50.6	9.8	0	4.6	15	0	800	10.6%	22.0%	100
M2685	4	16	50	9.8	0	5.2	15	0	800	10.5%	22.0%	100
M2686	4	16	45.6	9.8	0	9.6	15	0	800	10.0%	22.2%	150
M2687	4	16	45	9.8	0	10.2	15	0	800	9.9%	22.3%	150
M2688	4	16	44.6	9.8	0	10.6	15	0	800	9.9%	22.3%	150
M2689	3	12	49.2	9.8	0	11	15	0	800	11.9%	24.9%	100
M2690	4	16	44	9.8	0	11.2	15	0	800	9.9%	22.3%	150
M2691	3	12	48.6	9.8	0	11.6	15	0	800	11.9%	24.9%	100
M2692	4	16	43.4	9.8	0	11.8	15	0	800	9.8%	22.4%	150
M2693	3	12	48	9.8	0	12.2	15	0	800	11.9%	25.0%	100
M2694	4	16	42.8	9.8	0	12.4	15	0	800	9.8%	22.4%	150
M2695	3	12	47.4	9.8	0	12.8	15	0	800	11.8%	25.0%	100
M2696	4	16	42.2	9.8	0	13	15	0	750	9.7%	22.4%	150
M2697	3	12	46.8	9.8	0	13.4	15	0	800	11.8%	25.0%	100
M2698	4	16	41.6	9.8	0	13.6	15	0	750	9.7%	22.5%	150
M2699	3	12	46.2	9.8	0	14	15	0	800	11.8%	25.0%	100
M2700	4	7	59	10	0	0	20	0	800	7.8%	34.1%	200
M2701	3.75	9	57.25	10	0	0	20	0	850	10.3%	32.8%	150
M2702	2.2	10	67.8	10	0	0	10	0	850	10.4%	17.3%	-50
M2703	2.6	10	67.4	10	0	0	10	0	850	9.2%	17.1%	-50
M2704	2	10	67.5	10	0	0	10.5	0	850	10.5%	17.3%	-50
M2705	2.5	10	66.5	10	0	0	11	0	850	10.3%	19.1%	-50
M2706	3	10	65.5	10	0	0	11.5	0	850	8.9%	19.9%	-50
M2707	4	10	56	10	0	0	20	0	800	11.3%	34.0%	150
M2708	2.4	10.2	67.4	10	0	0	10	0	850	10.0%	17.0%	-50
M2709	2.8	10.2	67	10	0	0	10	0	850	8.6%	17.0%	-50
M2710	2.5	10.2	66.8	10	0	0	10.5	0	850	10.0%	18.0%	-50
M2711	3	10.2	65.8	10	0	0	11	0	850	8.6%	18.8%	-50
M2712	2.5	10.2	65.3	10	0	0	12	0	850	10.8%	20.8%	-50
M2713	2.2	10.4	67.4	10	0	0	10	0	850	10.8%	17.0%	-50
M2714	2.6	10.4	67	10	0	0	10	0	850	9.4%	16.8%	-50
M2715	2.5	10.4	66.6	10	0	0	10.5	0	850	10.1%	17.8%	-50

M2716	3	10.4	65.6	10	0	0	11	0	850	8.7%	18.7%	-50
M2717	2.5	10.4	65.1	10	0	0	12	0	850	11.0%	20.7%	-50
M2718	2.2	10.6	67.2	10	0	0	10	0	850	11.0%	16.9%	-50
M2719	2.6	10.6	66.8	10	0	0	10	0	850	9.5%	16.7%	-50
M2720	2.5	10.6	66.4	10	0	0	10.5	0	850	10.2%	17.7%	-50
M2721	3	10.6	65.4	10	0	0	11	0	850	8.8%	18.6%	-50
M2722	2.5	10.6	64.9	10	0	0	12	0	850	11.2%	20.6%	-50
M2723	3	10.8	67.2	10	0	0	9	0	850	7.6%	14.7%	-50
M2724	2.4	10.8	66.8	10	0	0	10	0	850	10.3%	16.7%	-50
M2725	2.5	10.8	64.7	10	2	0	10	0	850	10.3%	17.4%	-50
M2726	2.6	10.8	66.6	10	0	0	10	0	850	9.6%	16.6%	-50
M2727	3	10.8	65.2	10	1	0	10	0	850	8.4%	17.0%	0
M2728	3	10.8	62.2	10	4	0	10	0	850	8.5%	17.1%	0
M2729	2.5	10.8	65.7	10	0	0	11	0	850	10.8%	18.5%	-50
M2730	2.5	10.8	62.7	10	3	0	11	0	850	11.1%	18.3%	-50
M2731	3	10.8	64.2	10	1	0	11	0	850	9.1%	18.8%	0
M2732	3	10.8	61.2	10	4	0	11	0	800	9.3%	18.4%	50
M2733	3.5	10.8	62.7	10	2	0	11	0	850	7.3%	19.4%	50
M2734	3	10.8	64.7	10	0	0	11.5	0	850	9.3%	19.3%	-50
M2735	2.5	10.8	62.7	10	2	0	12	0	850	11.5%	21.3%	-50
M2736	3	10.8	63.2	10	1	0	12	0	850	9.9%	20.7%	-50
M2737	3.5	10.8	63.7	10	0	0	12	0	850	8.0%	20.3%	50
M2738	2.5	10.8	63.7	10	0	0	13	0	850	11.6%	21.7%	-50
M2739	3	10.8	62.2	10	1	0	13	0	850	10.7%	22.5%	0
M2740	3.5	10.8	61.7	10	1	0	13	0	850	8.9%	22.5%	50
M2741	3.5	10.8	61.7	10	0	0	14	0	850	9.5%	23.8%	50
M2742	3	11	68	10	0	0	8	0	850	7.1%	12.7%	-50
M2743	2.2	11	66.8	10	0	0	10	0	850	11.2%	16.6%	-50
M2744	2.6	11	66.4	10	0	0	10	0	850	9.7%	16.5%	-50
M2745	2.5	11	66	10	0	0	10.5	0	850	10.5%	17.4%	-50
M2746	3	11	65	10	0	0	11	0	850	9.1%	18.3%	-50
M2747	3	11	64.5	10	0	0	11.5	0	850	9.4%	19.2%	-50
M2748	3.5	11	63.5	10	0	0	12	0	850	8.1%	20.2%	50
M2749	3	11	62	10	0	0	14	0	850	11.5%	23.8%	0
M2750	3	11.2	67.8	10	0	0	8	0	850	7.2%	12.6%	-50
M2751	2.2	11.2	66.6	10	0	0	10	0	850	11.3%	16.5%	-50
M2752	2.6	11.2	66.2	10	0	0	10	0	850	9.8%	16.3%	-50
M2753	3.5	11.2	65.3	10	0	0	10	0	850	7.0%	16.5%	0
M2754	2.5	11.2	65.3	10	0	0	11	0	850	11.0%	18.3%	-50
M2755	2.5	11.2	64.8	10	0	0	11.5	0	850	11.4%	19.2%	-50
M2756	3	11.2	63.8	10	0	0	12	0	850	9.9%	20.0%	-50

M2757	3.5	11.2	62.3	10	0	0	13	0	850	8.9%	21.8%	50
M2758	3.5	11.2	61.3	10	0	0	14	0	850	9.7%	23.5%	50
M2759	2.2	11.4	66.4	10	0	0	10	0	850	11.5%	16.4%	-50
M2760	2.6	11.4	66	10	0	0	10	0	850	9.9%	16.2%	-50
M2761	3.5	11.4	65.1	10	0	0	10	0	850	7.1%	16.3%	0
M2762	2.5	11.4	65.1	10	0	0	11	0	850	11.1%	18.1%	-50
M2763	2.5	11.4	64.6	10	0	0	11.5	0	850	11.6%	19.1%	-50
M2764	3	11.4	63.6	10	0	0	12	0	850	10.0%	19.8%	-50
M2765	3.5	11.4	62.1	10	0	0	13	0	850	9.0%	21.6%	50
M2766	3	11.6	67.4	10	0	0	8	0	850	7.4%	12.3%	-50
M2767	2.4	11.6	66	10	0	0	10	0	850	10.8%	16.1%	-50
M2768	2.8	11.6	65.6	10	0	0	10	0	850	9.3%	16.0%	-50
M2769	2.5	11.6	65.4	10	0	0	10.5	0	850	10.8%	17.1%	-50
M2770	3	11.6	64.4	10	0	0	11	0	850	9.4%	17.9%	0
M2771	3	11.6	63.9	10	0	0	11.5	0	850	9.8%	18.8%	0
M2772	3.5	11.6	62.9	10	0	0	12	0	850	8.4%	19.8%	50
M2773	4	11.6	61.4	10	0	0	13	0	850	7.6%	21.7%	100
M2774	3	11.8	66.2	10	0	0	9	0	850	8.1%	14.1%	-50
M2775	2.5	11.8	65.7	10	0	0	10	0	850	10.5%	16.0%	-50
M2776	3	11.8	65.2	10	0	0	10	0	850	8.8%	15.9%	-50
M2777	3	11.8	64.7	10	0	0	10.5	0	850	9.1%	16.8%	-50
M2778	3.5	11.8	63.7	10	0	0	11	0	850	7.9%	17.9%	0
M2779	2.5	11.8	63.7	10	0	0	12	0	850	12.2%	20.0%	-50
M2780	3	11.8	62.2	10	0	0	13	0	850	11.1%	21.4%	0
M2781	3	11.8	61.2	10	0	0	14	0	850	12.0%	23.2%	0
M2782	2.2	12	65.8	10	0	0	10	0	850	11.8%	16.0%	-50
M2783	2.6	12	65.4	10	0	0	10	0	850	10.3%	15.8%	-50
M2784	3	12	64	10	1	0	10	0	850	9.0%	16.2%	-50
M2785	3	12	61	10	4	0	10	0	800	9.2%	15.6%	0
M2786	3.5	12	63.5	10	1	0	10	0	850	7.5%	16.3%	0
M2787	3.5	12	60.5	10	4	0	10	0	800	7.6%	17.4%	50
M2788	3	12	64.5	10	0	0	10.5	0	850	9.2%	16.7%	-50
M2789	3	12	63	10	1	0	11	0	850	9.8%	18.0%	0
M2790	3	12	60	10	4	0	11	0	800	9.9%	16.8%	0
M2791	3.5	12	62.5	10	1	0	11	0	850	8.1%	18.1%	50
M2792	3.5	12	59.5	10	4	0	11	0	800	8.2%	18.9%	50
M2793	3	12	63.5	10	0	0	11.5	0	850	10.0%	18.5%	0
M2794	3	12	62	10	1	0	12	0	850	10.6%	19.8%	0
M2795	3	12	59	10	4	0	12	0	800	10.7%	17.8%	50
M2796	3.5	12	61.5	10	1	0	12	0	850	8.8%	19.9%	50
M2797	3.5	12	58.5	10	4	0	12	0	800	9.0%	20.2%	50

M2798	4	12	59	10	3	0	12	0	850	7.2%	20.9%	100
M2799	3	12	62	10	0	0	13	0	850	11.2%	21.3%	0
M2800	3	12	59	10	3	0	13	0	800	11.6%	21.0%	50
M2801	3.5	12	61.5	10	0	0	13	0	850	9.4%	21.2%	50
M2802	3.5	12	58.5	10	3	0	13	0	800	9.6%	22.5%	100
M2803	4	12	61	10	0	0	13	0	850	7.8%	21.4%	100
M2804	4	12	58	10	3	0	13	0	800	7.9%	22.7%	100
M2805	3	12	61	10	0	0	14	0	850	12.1%	23.2%	0
M2806	3	12	58	10	3	0	14	0	800	12.4%	22.4%	50
M2807	3.5	12	60.5	10	0	0	14	0	850	10.1%	23.0%	50
M2808	3.5	12	57.5	10	3	0	14	0	800	10.5%	24.2%	100
M2809	4	12	60	10	0	0	14	0	850	8.4%	23.1%	100
M2810	4	12	57	10	3	0	14	0	800	8.6%	24.4%	150
M2811	3	12	60	10	0	0	15	0	850	12.9%	24.8%	50
M2812	3.5	12	58.5	10	1	0	15	0	800	11.2%	25.1%	100
M2813	3.5	12	55.5	10	4	0	15	0	800	11.4%	22.9%	100
M2814	4	12	58	10	1	0	15	0	850	9.3%	25.2%	150
M2815	4	12	55	10	4	0	15	0	800	9.6%	25.6%	150
M2816	3	12.2	64.8	10	0	0	10	0	850	9.0%	15.7%	-50
M2817	2.5	12.2	64.3	10	0	0	11	0	850	11.6%	17.6%	-50
M2818	3	12.2	63.3	10	0	0	11.5	0	850	10.1%	18.4%	0
M2819	2.5	12.4	65.1	10	0	0	10	0	850	10.9%	15.6%	-50
M2820	3	12.4	64.1	10	0	0	10.5	0	850	9.4%	16.4%	-50
M2821	2.5	12.4	63.6	10	0	0	11.5	0	850	12.2%	18.6%	-50
M2822	3	12.4	62.6	10	0	0	12	0	850	10.6%	19.2%	0
M2823	2.5	12.6	64.4	10	0	0	10.5	0	850	11.4%	16.4%	-50
M2824	3	12.6	63.4	10	0	0	11	0	850	9.9%	17.2%	-50
M2825	2.5	12.6	62.9	10	0	0	12	0	850	12.6%	19.5%	-50
M2826	3	12.8	64.2	10	0	0	10	0	850	9.3%	15.3%	-50
M2827	2.5	12.8	63.7	10	0	0	11	0	850	12.0%	17.2%	-50
M2828	3	12.8	62.7	10	0	0	11.5	0	850	10.4%	18.0%	0
M2829	2.5	13	64.5	10	0	0	10	0	850	11.2%	15.2%	-50
M2830	3	13	62	10	2	0	10	0	850	9.7%	15.8%	-50
M2831	3	13	59	10	5	0	10	0	800	9.7%	12.5%	0
M2832	3.5	13	61.5	10	2	0	10	0	850	8.1%	16.0%	0
M2833	3.5	13	58.5	10	5	0	10	0	800	8.1%	14.9%	50
M2834	2.5	13	63.5	10	0	0	11	0	850	12.1%	17.1%	-50
M2835	3	13	61	10	2	0	11	0	800	10.5%	17.7%	0
M2836	3	13	58	10	5	0	11	0	800	10.4%	13.4%	0
M2837	3.5	13	60.5	10	2	0	11	0	850	8.8%	17.8%	50
M2838	3.5	13	57.5	10	5	0	11	0	800	8.8%	16.1%	50

M2839	4	13	57	10	5	0	11	0	800	7.4%	18.3%	100
M2840	2.5	13	62.5	10	0	0	12	0	850	12.9%	19.2%	-50
M2841	3	13	60	10	2	0	12	0	800	11.1%	19.5%	0
M2842	3	13	57	10	5	0	12	0	800	11.1%	14.1%	50
M2843	3.5	13	59.5	10	2	0	12	0	850	9.5%	19.5%	50
M2844	3.5	13	56.5	10	5	0	12	0	800	9.5%	17.1%	100
M2845	4	13	59	10	2	0	12	0	850	7.6%	19.8%	100
M2846	4	13	56	10	5	0	12	0	800	8.1%	19.5%	100
M2847	3	13	59	10	2	0	13	0	800	12.0%	21.9%	0
M2848	3	13	56	10	5	0	13	0	800	11.9%	15.7%	50
M2849	3.5	13	58.5	10	2	0	13	0	800	10.3%	21.3%	50
M2850	3.5	13	55.5	10	5	0	13	0	800	10.3%	17.9%	100
M2851	4	13	58	10	2	0	13	0	850	8.2%	21.5%	100
M2852	4	13	55	10	5	0	13	0	800	8.7%	20.6%	150
M2853	3.5	13	59.5	10	0	0	14	0	850	10.7%	22.3%	50
M2854	3.5	13	56.5	10	3	0	14	0	800	11.1%	22.9%	100
M2855	4	13	59	10	0	0	14	0	850	8.9%	22.4%	100
M2856	4	13	56	10	3	0	14	0	800	9.2%	23.6%	150
M2857	3.5	13	58.5	10	0	0	15	0	850	11.5%	24.0%	50
M2858	3.5	13	55.5	10	3	0	15	0	800	12.0%	24.6%	100
M2859	4	13	58	10	0	0	15	0	850	9.6%	24.0%	100
M2860	4	13	55	10	3	0	15	0	800	10.0%	25.3%	150
M2861	2.5	13.2	64.3	10	0	0	10	0	850	11.3%	15.1%	-50
M2862	3	13.2	63.3	10	0	0	10.5	0	850	9.9%	15.9%	-50
M2863	2.5	13.2	62.8	10	0	0	11.5	0	850	12.5%	18.4%	-50
M2864	3	13.2	61.8	10	0	0	12	0	850	11.1%	18.6%	0
M2865	2.5	13.4	63.6	10	0	0	10.5	0	850	11.9%	15.9%	-50
M2866	3	13.4	62.6	10	0	0	11	0	850	10.4%	16.7%	-50
M2867	2.5	13.4	62.1	10	0	0	12	0	850	13.1%	18.9%	-50
M2868	3	13.6	63.4	10	0	0	10	0	850	9.7%	14.7%	-50
M2869	2.5	13.6	62.9	10	0	0	11	0	850	12.4%	17.2%	-50
M2870	3	13.6	61.9	10	0	0	11.5	0	850	10.9%	17.5%	-50
M2871	3	13.8	63.2	10	0	0	10	0	850	9.8%	14.6%	-50
M2872	2.5	13.8	62.7	10	0	0	11	0	850	12.4%	17.3%	-50
M2873	3	13.8	61.7	10	0	0	11.5	0	850	11.0%	17.3%	-50
M2874	3	14	63	10	0	0	10	0	850	9.9%	14.5%	-50
M2875	3	14	60	10	3	0	10	0	800	10.1%	15.1%	-50
M2876	3.5	14	62.5	10	0	0	10	0	850	8.3%	14.6%	0
M2877	3.5	14	59.5	10	3	0	10	0	850	8.4%	15.6%	0
M2878	4	14	58	10	4	0	10	0	850	7.1%	16.1%	50
M2879	3	14	62.5	10	0	0	10.5	0	850	10.3%	15.4%	-50

M2880	3	14	61	10	1	0	11	0	850	10.9%	16.6%	-50
M2881	3	14	58	10	4	0	11	0	800	10.9%	14.1%	0
M2882	3.5	14	60.5	10	1	0	11	0	850	9.1%	16.7%	0
M2883	3.5	14	57.5	10	4	0	11	0	800	9.3%	16.5%	50
M2884	4	14	60	10	1	0	11	0	850	7.2%	16.9%	50
M2885	4	14	57	10	4	0	11	0	800	7.7%	18.0%	100
M2886	3	14	61.5	10	0	0	11.5	0	850	11.1%	17.2%	-50
M2887	3	14	59	10	2	0	12	0	800	11.7%	18.8%	0
M2888	3	14	56	10	5	0	12	0	800	11.6%	12.4%	0
M2889	3.5	14	58.5	10	2	0	12	0	850	10.0%	18.8%	50
M2890	3.5	14	55.5	10	5	0	12	0	800	10.0%	15.6%	50
M2891	4	14	58	10	2	0	12	0	850	8.0%	19.0%	50
M2892	4	14	55	10	5	0	12	0	800	8.5%	18.2%	100
M2893	3	14	58	10	2	0	13	0	800	12.6%	21.6%	0
M2894	3.5	14	59.5	10	0	0	13	0	850	10.5%	19.8%	0
M2895	3.5	14	56.5	10	3	0	13	0	800	10.8%	20.6%	50
M2896	4	14	59	10	0	0	13	0	850	8.7%	20.0%	50
M2897	4	14	56	10	3	0	13	0	800	8.9%	21.1%	100
M2898	3	14	59	10	0	0	14	0	850	13.2%	22.2%	0
M2899	3.5	14	56.5	10	2	0	14	0	800	11.5%	22.3%	50
M2900	3.5	14	53.5	10	5	0	14	0	800	11.5%	16.9%	100
M2901	4	14	56	10	2	0	14	0	800	9.5%	22.4%	100
M2902	4	14	53	10	5	0	14	0	800	9.9%	20.1%	150
M2903	3.5	14	55.5	10	2	0	15	0	800	12.4%	25.2%	50
M2904	3.5	14	52.5	10	5	0	15	0	800	12.2%	19.4%	100
M2905	4	14	55	10	2	0	15	0	800	10.3%	24.1%	100
M2906	4	14	52	10	5	0	15	0	800	10.6%	20.7%	150
M2907	3	15	60	10	2	0	10	0	850	10.8%	14.4%	-50
M2908	3	15	57	10	5	0	10	0	800	10.6%	9.6%	0
M2909	3.5	15	59.5	10	2	0	10	0	850	9.1%	14.5%	0
M2910	3.5	15	56.5	10	5	0	10	0	800	9.1%	12.3%	0
M2911	4	15	59	10	2	0	10	0	850	7.2%	14.8%	50
M2912	4	15	56	10	5	0	10	0	800	7.7%	14.5%	50
M2913	3	15	59	10	2	0	11	0	800	11.4%	16.2%	-50
M2914	3	15	56	10	5	0	11	0	800	11.4%	10.3%	0
M2915	3.5	15	58.5	10	2	0	11	0	850	9.8%	16.3%	0
M2916	3.5	15	55.5	10	5	0	11	0	800	9.8%	13.3%	50
M2917	4	15	58	10	2	0	11	0	850	7.9%	16.6%	50
M2918	4	15	55	10	5	0	11	0	800	8.3%	15.8%	100
M2919	3	15	58	10	2	0	12	0	800	12.3%	19.1%	0
M2920	3	15	55	10	5	0	12	0	800	12.1%	12.6%	0

M2921	3.5	15	57.5	10	2	0	12	0	800	10.3%	18.1%	0
M2922	3.5	15	54.5	10	5	0	12	0	800	10.5%	14.1%	50
M2923	4	15	57	10	2	0	12	0	850	8.9%	18.3%	50
M2924	4	15	54	10	5	0	12	0	800	9.0%	16.9%	100
M2925	3.5	15	57.5	10	1	0	13	0	850	11.2%	19.5%	50
M2926	3.5	15	54.5	10	4	0	13	0	800	11.3%	17.0%	50
M2927	4	15	57	10	1	0	13	0	850	9.4%	19.6%	50
M2928	4	15	54	10	4	0	13	0	800	9.6%	19.6%	100
M2929	3.5	15	56.5	10	1	0	14	0	800	11.9%	21.3%	50
M2930	3.5	15	53.5	10	4	0	14	0	800	12.1%	19.0%	50
M2931	4	15	56	10	1	0	14	0	850	10.2%	21.3%	100
M2932	4	15	53	10	4	0	14	0	800	10.4%	20.5%	100
M2933	3.5	15	55.5	10	1	0	15	0	800	12.8%	24.2%	50
M2934	4	15	54	10	2	0	15	0	800	10.9%	23.3%	100
M2935	4	15	51	10	5	0	15	0	800	11.1%	19.1%	150
M2936	3	16	59	10	2	0	10	0	800	11.1%	13.6%	-50
M2937	3	16	56	10	5	0	10	0	800	11.1%	8.0%	-50
M2938	3.5	16	58.5	10	2	0	10	0	850	9.6%	13.8%	0
M2939	3.5	16	55.5	10	5	0	10	0	800	9.5%	11.0%	0
M2940	4	16	58	10	2	0	10	0	850	7.7%	14.1%	0
M2941	4	16	55	10	5	0	10	0	800	8.1%	13.3%	50
M2942	3	16	58	10	2	0	11	0	800	12.0%	15.9%	-50
M2943	3	16	55	10	5	0	11	0	800	11.8%	9.3%	0
M2944	3.5	16	57.5	10	2	0	11	0	850	10.4%	15.6%	0
M2945	3.5	16	54.5	10	5	0	11	0	800	10.2%	11.9%	50
M2946	4	16	57	10	2	0	11	0	850	8.3%	15.8%	50
M2947	4	16	54	10	5	0	11	0	800	8.7%	14.5%	100
M2948	3	16	54	10	5	0	12	0	800	12.5%	12.2%	0
M2949	3.5	16	56.5	10	2	0	12	0	800	10.9%	17.3%	0
M2950	3.5	16	53.5	10	5	0	12	0	800	11.0%	12.6%	50
M2951	4	16	56	10	2	0	12	0	850	9.4%	17.5%	50
M2952	4	16	53	10	5	0	12	0	800	9.4%	15.5%	100
M2953	3.5	16	55.5	10	2	0	13	0	800	11.7%	19.1%	50
M2954	3.5	16	52.5	10	5	0	13	0	800	11.7%	13.1%	50
M2955	4	16	55	10	2	0	13	0	850	9.8%	19.2%	50
M2956	4	16	52	10	5	0	13	0	800	10.1%	16.3%	100
M2957	3.5	16	52.5	10	4	0	14	0	800	12.6%	19.3%	50
M2958	4	16	55	10	1	0	14	0	850	10.7%	20.5%	50
M2959	4	16	52	10	4	0	14	0	800	10.9%	19.1%	100
M2960	4	16	55	10	0	0	15	0	850	11.3%	21.8%	50
M2961	4	16	53	10	2	0	15	0	800	11.5%	22.5%	100

M2962	4	16	50	10	5	0	15	0	800	11.6%	17.4%	150
M2963	3	12	59.6	10	0	0.4	15	0	850	12.8%	24.8%	50
M2964	4	16	54.4	10	0	0.6	15	0	850	11.2%	21.9%	100
M2965	3	12	59	10	0	1	15	0	850	12.8%	24.9%	50
M2966	4	16	53.8	10	0	1.2	15	0	850	11.1%	21.9%	100
M2967	3	12	58.4	10	0	1.6	15	0	800	12.8%	24.9%	0
M2968	4	16	53.2	10	0	1.8	15	0	800	11.0%	21.9%	100
M2969	3	12	57.8	10	0	2.2	15	0	800	12.7%	24.9%	0
M2970	4	16	52.6	10	0	2.4	15	0	800	10.9%	21.9%	100
M2971	3	12	57.2	10	0	2.8	15	0	800	12.7%	25.0%	0
M2972	4	16	52	10	0	3	15	0	800	10.8%	21.9%	100
M2973	3	12	56.6	10	0	3.4	15	0	800	12.6%	25.0%	0
M2974	4	16	51.4	10	0	3.6	15	0	800	10.8%	22.0%	100
M2975	3	12	56	10	0	4	15	0	800	12.5%	25.0%	0
M2976	4	16	50.8	10	0	4.2	15	0	800	10.7%	22.0%	100
M2977	3	12	55.4	10	0	4.6	15	0	800	12.5%	25.1%	0
M2978	4	16	50	10	0	5	15	0	800	10.6%	22.0%	100
M2979	4	16	45.4	10	0	9.6	15	0	800	10.0%	22.2%	150
M2980	4	16	44.8	10	0	10.2	15	0	800	9.9%	22.3%	150
M2981	4	16	44.4	10	0	10.6	15	0	800	9.9%	22.3%	150
M2982	3	12	49	10	0	11	15	0	800	11.9%	24.9%	100
M2983	4	16	43.8	10	0	11.2	15	0	800	9.8%	22.3%	150
M2984	3	12	48.4	10	0	11.6	15	0	800	11.9%	24.9%	100
M2985	4	16	43.2	10	0	11.8	15	0	800	9.8%	22.3%	150
M2986	3	12	47.8	10	0	12.2	15	0	800	11.9%	24.9%	100
M2987	4	16	42.6	10	0	12.4	15	0	750	9.7%	22.4%	150
M2988	3	12	47.2	10	0	12.8	15	0	800	11.8%	25.0%	100
M2989	4	16	42	10	0	13	15	0	750	9.7%	22.4%	150
M2990	3	12	46.6	10	0	13.4	15	0	800	11.8%	25.0%	100
M2991	4	16	41.4	10	0	13.6	15	0	750	9.7%	22.5%	150
M2992	3	12	46	10	0	14	15	0	800	11.8%	25.0%	100
M2993	4	16	54.8	10.2	0	0	15	0	850	11.1%	21.8%	50
M2994	3	12	59.4	10.2	0	0.4	15	0	850	12.9%	24.8%	50
M2995	4	16	54.2	10.2	0	0.6	15	0	850	11.2%	21.9%	100
M2996	3	12	58.8	10.2	0	1	15	0	850	12.8%	24.9%	50
M2997	4	16	53.6	10.2	0	1.2	15	0	800	11.1%	21.9%	100
M2998	3	12	58.2	10.2	0	1.6	15	0	800	12.8%	24.9%	0
M2999	4	16	53	10.2	0	1.8	15	0	800	11.0%	21.9%	100
M3000	3	12	57.6	10.2	0	2.2	15	0	800	12.7%	24.9%	0
M3001	4	16	52.4	10.2	0	2.4	15	0	800	10.9%	21.9%	100
M3002	3	12	57	10.2	0	2.8	15	0	800	12.7%	25.0%	0

M3003	4	16	51.8	10.2	0	3	15	0	800	10.8%	21.9%	100
M3004	3	12	56.4	10.2	0	3.4	15	0	800	12.6%	25.0%	0
M3005	4	16	51.2	10.2	0	3.6	15	0	800	10.8%	22.0%	100
M3006	3	12	55.8	10.2	0	4	15	0	800	12.5%	25.0%	0
M3007	4	16	50.6	10.2	0	4.2	15	0	800	10.7%	22.0%	100
M3008	4	16	50.2	10.2	0	4.6	15	0	800	10.6%	22.0%	100
M3009	4	16	49.6	10.2	0	5.2	15	0	800	10.5%	22.0%	100
M3010	4	16	44.8	10.2	0	10	15	0	800	10.0%	22.2%	150
M3011	4	16	44.2	10.2	0	10.6	15	0	800	9.9%	22.3%	150
M3012	3	12	48.8	10.2	0	11	15	0	800	11.9%	24.9%	100
M3013	4	16	43.6	10.2	0	11.2	15	0	800	9.8%	22.3%	200
M3014	3	12	48.2	10.2	0	11.6	15	0	800	11.9%	24.9%	100
M3015	4	16	43	10.2	0	11.8	15	0	800	9.8%	22.3%	200
M3016	3	12	47.6	10.2	0	12.2	15	0	800	11.9%	24.9%	100
M3017	4	16	42.4	10.2	0	12.4	15	0	750	9.7%	22.4%	150
M3018	3	12	47	10.2	0	12.8	15	0	800	11.8%	24.9%	100
M3019	4	16	41.8	10.2	0	13	15	0	750	9.7%	22.4%	150
M3020	3	12	46.4	10.2	0	13.4	15	0	800	11.8%	25.0%	100
M3021	4	16	41.2	10.2	0	13.6	15	0	750	9.6%	22.5%	150
M3022	3	12	45.8	10.2	0	14	15	0	750	11.8%	25.0%	100
M3023	4	16	54.6	10.4	0	0	15	0	850	11.1%	21.8%	50
M3024	3	12	59.2	10.4	0	0.4	15	0	850	12.9%	24.8%	50
M3025	4	16	54	10.4	0	0.6	15	0	800	11.2%	21.8%	100
M3026	3	12	58.6	10.4	0	1	15	0	800	12.8%	24.8%	50
M3027	4	16	53.4	10.4	0	1.2	15	0	800	11.1%	21.9%	100
M3028	3	12	58	10.4	0	1.6	15	0	800	12.8%	24.9%	50
M3029	4	16	52.8	10.4	0	1.8	15	0	800	11.0%	21.9%	100
M3030	3	12	57.4	10.4	0	2.2	15	0	800	12.7%	24.9%	0
M3031	4	16	52.2	10.4	0	2.4	15	0	800	10.9%	21.9%	100
M3032	3	12	56.8	10.4	0	2.8	15	0	800	12.7%	24.9%	0
M3033	4	16	51.6	10.4	0	3	15	0	800	10.9%	21.9%	100
M3034	3	12	56.2	10.4	0	3.4	15	0	800	12.6%	25.0%	0
M3035	4	16	51	10.4	0	3.6	15	0	800	10.8%	22.0%	100
M3036	3	12	55.6	10.4	0	4	15	0	800	12.5%	25.0%	0
M3037	4	16	50.4	10.4	0	4.2	15	0	800	10.7%	22.0%	100
M3038	4	16	49.8	10.4	0	4.8	15	0	800	10.6%	22.0%	100
M3039	4	16	44.8	10.4	0	9.8	15	0	800	10.0%	22.2%	150
M3040	4	16	44.2	10.4	0	10.4	15	0	800	9.9%	22.3%	150
M3041	4	16	43.8	10.4	0	10.8	15	0	800	9.9%	22.3%	150
M3042	3	12	48.4	10.4	0	11.2	15	0	800	11.9%	24.9%	100
M3043	4	16	43.2	10.4	0	11.4	15	0	800	9.8%	22.3%	200

M3044	3	12	47.8	10.4	0	11.8	15	0	800	11.9%	24.9%	100
M3045	4	16	42.6	10.4	0	12	15	0	750	9.8%	22.3%	200
M3046	3	12	47.2	10.4	0	12.4	15	0	800	11.8%	24.9%	100
M3047	4	16	42	10.4	0	12.6	15	0	750	9.7%	22.4%	150
M3048	3	12	46.6	10.4	0	13	15	0	800	11.8%	24.9%	100
M3049	4	16	41.4	10.4	0	13.2	15	0	750	9.7%	22.4%	150
M3050	3	12	46	10.4	0	13.6	15	0	750	11.8%	25.0%	100
M3051	4	16	40.8	10.4	0	13.8	15	0	750	9.6%	22.5%	150
M3052	2.2	8.6	67.4	10.6	0.8	0	10.4	0	850	9.0%	18.5%	-50
M3053	4	16	54.4	10.6	0	0	15	0	850	11.1%	21.8%	50
M3054	3	12	59	10.6	0	0.4	15	0	800	12.9%	24.8%	50
M3055	4	16	53.8	10.6	0	0.6	15	0	800	11.3%	21.8%	100
M3056	3	12	58.4	10.6	0	1	15	0	800	12.8%	24.8%	50
M3057	4	16	53.2	10.6	0	1.2	15	0	800	11.2%	21.9%	100
M3058	3	12	57.8	10.6	0	1.6	15	0	800	12.8%	24.9%	50
M3059	4	16	52.6	10.6	0	1.8	15	0	800	11.1%	21.9%	100
M3060	3	12	57.2	10.6	0	2.2	15	0	800	12.7%	24.9%	0
M3061	4	16	52	10.6	0	2.4	15	0	800	11.0%	21.9%	100
M3062	3	12	56.6	10.6	0	2.8	15	0	800	12.7%	24.9%	0
M3063	4	16	51.4	10.6	0	3	15	0	800	10.9%	21.9%	100
M3064	3	12	56	10.6	0	3.4	15	0	800	12.6%	25.0%	0
M3065	4	16	50.8	10.6	0	3.6	15	0	800	10.8%	21.9%	100
M3066	3	12	55.4	10.6	0	4	15	0	800	12.5%	25.0%	0
M3067	4	16	50.2	10.6	0	4.2	15	0	800	10.7%	22.0%	100
M3068	4	16	49.6	10.6	0	4.8	15	0	800	10.6%	22.0%	100
M3069	4	16	44.6	10.6	0	9.8	15	0	800	10.0%	22.2%	150
M3070	4	16	44	10.6	0	10.4	15	0	800	9.9%	22.2%	150
M3071	4	16	43.6	10.6	0	10.8	15	0	800	9.9%	22.3%	150
M3072	3	12	48.2	10.6	0	11.2	15	0	800	11.9%	25.0%	100
M3073	4	16	43	10.6	0	11.4	15	0	800	9.8%	22.3%	200
M3074	3	12	47.6	10.6	0	11.8	15	0	800	11.9%	24.9%	100
M3075	4	16	42.4	10.6	0	12	15	0	750	9.8%	22.3%	200
M3076	3	12	47	10.6	0	12.4	15	0	800	11.8%	24.9%	100
M3077	4	16	41.8	10.6	0	12.6	15	0	750	9.7%	22.4%	150
M3078	3	12	46.4	10.6	0	13	15	0	800	11.8%	24.9%	100
M3079	4	16	41.2	10.6	0	13.2	15	0	750	9.7%	22.4%	150
M3080	3	12	45.8	10.6	0	13.6	15	0	750	11.8%	24.9%	100
M3081	4	16	40.6	10.6	0	13.8	15	0	750	9.6%	22.4%	150
M3082	3	12	59.2	10.8	0	0	15	0	850	12.9%	24.8%	50
M3083	4	16	54	10.8	0	0.2	15	0	800	11.1%	21.8%	50
M3084	3	12	58.6	10.8	0	0.6	15	0	800	12.8%	24.8%	50

M3085	4	16	53.4	10.8	0	0.8	15	0	800	11.2%	21.8%	100
M3086	3	12	58	10.8	0	1.2	15	0	800	12.8%	24.8%	50
M3087	4	16	52.8	10.8	0	1.4	15	0	800	11.1%	21.9%	100
M3088	3	12	57.4	10.8	0	1.8	15	0	800	12.8%	24.9%	50
M3089	4	16	52.2	10.8	0	2	15	0	800	11.0%	21.9%	100
M3090	3	12	56.8	10.8	0	2.4	15	0	800	12.7%	24.9%	0
M3091	4	16	51.6	10.8	0	2.6	15	0	800	10.9%	21.9%	100
M3092	3	12	56.2	10.8	0	3	15	0	800	12.6%	24.9%	0
M3093	4	16	51	10.8	0	3.2	15	0	800	10.8%	21.9%	100
M3094	3	12	55.6	10.8	0	3.6	15	0	800	12.6%	25.0%	0
M3095	4	16	50.4	10.8	0	3.8	15	0	800	10.7%	21.9%	100
M3096	4	16	50	10.8	0	4.2	15	0	800	10.7%	22.0%	100
M3097	4	16	49.4	10.8	0	4.8	15	0	800	10.6%	22.0%	100
M3098	4	16	44	10.8	0	10.2	15	0	800	9.9%	22.2%	150
M3099	4	16	43.4	10.8	0	10.8	15	0	800	9.9%	22.3%	150
M3100	3	12	48	10.8	0	11.2	15	0	800	11.9%	25.0%	100
M3101	4	16	42.8	10.8	0	11.4	15	0	750	9.8%	22.3%	200
M3102	3	12	47.4	10.8	0	11.8	15	0	800	11.9%	24.9%	100
M3103	4	16	42.2	10.8	0	12	15	0	750	9.7%	22.3%	200
M3104	3	12	46.8	10.8	0	12.4	15	0	800	11.8%	24.9%	100
M3105	4	16	41.6	10.8	0	12.6	15	0	750	9.7%	22.4%	150
M3106	3	12	46.2	10.8	0	13	15	0	750	11.8%	24.9%	100
M3107	4	16	41	10.8	0	13.2	15	0	750	9.6%	22.4%	150
M3108	3	12	45.6	10.8	0	13.6	15	0	750	11.8%	24.9%	100
M3109	4	16	40.4	10.8	0	13.8	15	0	750	9.6%	22.4%	150
M3110	3.75	7	58.25	11	0	0	20	0	800	8.0%	32.8%	200
M3111	4	8	57	11	0	0	20	0	800	9.0%	34.0%	200
M3112	2	10	67	11	0	0	10	0	850	10.5%	16.8%	-50
M3113	2	10	66.5	11	0	0	10.5	0	850	10.5%	17.2%	-50
M3114	2.5	10	65.5	11	0	0	11	0	850	10.3%	19.0%	-50
M3115	3	10	64.5	11	0	0	11.5	0	850	8.9%	19.8%	-50
M3116	4	10	55	11	0	0	20	0	800	11.3%	34.0%	200
M3117	3	10.2	65.8	11	0	0	10	0	850	8.0%	16.9%	0
M3118	2.5	10.2	65.3	11	0	0	11	0	850	10.5%	18.9%	-50
M3119	3	10.2	64.3	11	0	0	11.5	0	850	9.0%	19.7%	-50
M3120	2	10.4	66.6	11	0	0	10	0	850	10.9%	16.8%	-50
M3121	2.5	10.4	65.6	11	0	0	10.5	0	850	10.2%	17.8%	-50
M3122	3	10.4	64.6	11	0	0	11	0	850	8.8%	18.7%	0
M3123	2.5	10.4	64.1	11	0	0	12	0	800	11.0%	20.7%	-50
M3124	2.5	10.6	65.9	11	0	0	10	0	850	9.9%	16.7%	-50
M3125	3	10.6	64.9	11	0	0	10.5	0	850	8.5%	17.6%	0

M3126	2.5	10.6	64.4	11	0	0	11.5	0	800	11.1%	19.6%	-50
M3127	3	10.6	63.4	11	0	0	12	0	850	9.6%	20.4%	-50
M3128	2.5	10.8	65.7	11	0	0	10	0	850	10.0%	16.6%	-50
M3129	3	10.8	64.7	11	0	0	10.5	0	850	8.6%	17.5%	0
M3130	3.5	10.8	63.7	11	0	0	11	0	850	7.0%	18.5%	50
M3131	2.5	10.8	63.7	11	0	0	12	0	800	11.5%	20.4%	-50
M3132	3	10.8	62.2	11	0	0	13	0	800	10.5%	22.1%	-50
M3133	3	11	66	11	0	0	9	0	850	7.7%	14.5%	-50
M3134	3	11	65	11	0	0	10	0	850	8.4%	16.4%	-50
M3135	2.5	11	64.5	11	0	0	11	0	800	10.9%	18.4%	-50
M3136	2.5	11	64	11	0	0	11.5	0	800	11.3%	19.4%	-50
M3137	3	11	63	11	0	0	12	0	850	9.9%	20.1%	0
M3138	3.5	11	61.5	11	0	0	13	0	850	8.9%	21.9%	50
M3139	2.5	11.2	65.3	11	0	0	10	0	850	10.2%	16.3%	-50
M3140	3	11.2	64.3	11	0	0	10.5	0	850	8.8%	17.2%	0
M3141	3.5	11.2	63.3	11	0	0	11	0	850	7.2%	18.2%	50
M3142	2.5	11.2	63.3	11	0	0	12	0	800	11.8%	20.2%	-50
M3143	3	11.2	61.8	11	0	0	13	0	800	10.8%	21.8%	0
M3144	2.5	11.4	65.1	11	0	0	10	0	850	10.3%	16.2%	-50
M3145	3	11.4	64.1	11	0	0	10.5	0	850	8.9%	17.1%	0
M3146	3.5	11.4	63.1	11	0	0	11	0	850	7.3%	18.1%	0
M3147	2.5	11.4	63.1	11	0	0	12	0	800	11.9%	20.2%	-50
M3148	3	11.4	61.6	11	0	0	13	0	800	10.9%	21.7%	0
M3149	2.5	11.6	64.9	11	0	0	10	0	850	10.4%	16.1%	-50
M3150	3	11.6	63.9	11	0	0	10.5	0	850	9.1%	16.9%	0
M3151	3.5	11.6	62.9	11	0	0	11	0	850	7.4%	18.0%	0
M3152	2.5	11.6	62.9	11	0	0	12	0	800	12.0%	20.1%	-50
M3153	3	11.6	61.4	11	0	0	13	0	800	11.0%	21.5%	0
M3154	2.5	11.8	64.7	11	0	0	10	0	850	10.6%	16.0%	-50
M3155	3	11.8	63.7	11	0	0	10.5	0	850	9.2%	16.8%	-50
M3156	3.5	11.8	62.7	11	0	0	11	0	850	7.9%	17.8%	0
M3157	2.5	11.8	62.7	11	0	0	12	0	800	12.1%	20.0%	-50
M3158	3	11.8	61.2	11	0	0	13	0	800	11.1%	21.4%	0
M3159	2.5	12	64.5	11	0	0	10	0	850	10.7%	15.8%	-50
M3160	3	12	62	11	2	0	10	0	800	8.9%	16.5%	0
M3161	3	12	59	11	5	0	10	0	800	9.2%	13.7%	0
M3162	3.5	12	60.5	11	3	0	10	0	800	7.4%	17.0%	50
M3163	2.5	12	64	11	0	0	10.5	0	850	11.1%	16.8%	-50
M3164	3	12	63	11	0	0	11	0	850	9.6%	17.6%	0
M3165	3	12	60	11	3	0	11	0	800	9.9%	18.6%	0
M3166	3.5	12	62.5	11	0	0	11	0	850	8.0%	17.7%	0

M3167	3.5	12	59.5	11	3	0	11	0	800	8.1%	18.8%	50
M3168	2.5	12	63	11	0	0	11.5	0	800	11.8%	18.7%	-50
M3169	3	12	62	11	0	0	12	0	850	10.4%	19.4%	0
M3170	3	12	59	11	3	0	12	0	800	10.7%	19.8%	0
M3171	3.5	12	61.5	11	0	0	12	0	850	8.7%	19.5%	50
M3172	3.5	12	58.5	11	3	0	12	0	800	8.9%	20.6%	50
M3173	4	12	59	11	2	0	12	0	850	7.1%	20.4%	100
M3174	4	12	56	11	5	0	12	0	800	7.6%	20.6%	150
M3175	3	12	59	11	2	0	13	0	800	11.4%	22.1%	0
M3176	3	12	56	11	5	0	13	0	800	11.4%	16.1%	50
M3177	3.5	12	58.5	11	2	0	13	0	800	9.5%	22.0%	50
M3178	3.5	12	55.5	11	5	0	13	0	800	9.8%	19.3%	100
M3179	4	12	58	11	2	0	13	0	800	7.8%	22.2%	100
M3180	4	12	55	11	5	0	13	0	800	8.3%	21.8%	150
M3181	3	12	58	11	2	0	14	0	800	12.4%	24.1%	50
M3182	3	12	55	11	5	0	14	0	800	12.2%	17.0%	50
M3183	3.5	12	57.5	11	2	0	14	0	800	10.3%	23.8%	100
M3184	3.5	12	54.5	11	5	0	14	0	800	10.6%	20.0%	100
M3185	4	12	57	11	2	0	14	0	800	8.5%	23.9%	150
M3186	4	12	54	11	5	0	14	0	800	9.0%	22.8%	150
M3187	3.5	12	58.5	11	0	0	15	0	800	10.8%	24.7%	50
M3188	3.5	12	55.5	11	3	0	15	0	800	11.4%	25.0%	100
M3189	4	12	58	11	0	0	15	0	850	9.1%	24.7%	100
M3190	4	12	55	11	3	0	15	0	800	9.4%	26.0%	150
M3191	2.5	12.2	64.3	11	0	0	10	0	850	10.8%	15.7%	-50
M3192	3	12.2	63.3	11	0	0	10.5	0	850	9.4%	16.6%	-50
M3193	2.5	12.2	62.8	11	0	0	11.5	0	800	11.9%	18.7%	-50
M3194	3	12.2	61.8	11	0	0	12	0	850	10.5%	19.3%	0
M3195	2.5	12.4	63.6	11	0	0	10.5	0	800	11.3%	16.5%	-50
M3196	3	12.4	62.6	11	0	0	11	0	850	9.9%	17.3%	0
M3197	2.5	12.4	62.1	11	0	0	12	0	850	12.5%	19.6%	-50
M3198	3	12.6	63.4	11	0	0	10	0	850	9.2%	15.4%	-50
M3199	2.5	12.6	62.9	11	0	0	11	0	800	11.7%	17.4%	-50
M3200	3	12.6	61.9	11	0	0	11.5	0	850	10.4%	18.1%	0
M3201	2.5	12.8	63.7	11	0	0	10	0	850	11.1%	15.3%	-50
M3202	3	12.8	62.7	11	0	0	10.5	0	850	9.7%	16.2%	-50
M3203	2.5	12.8	62.2	11	0	0	11.5	0	800	12.3%	18.7%	-50
M3204	3	12.8	61.2	11	0	0	12	0	800	10.9%	18.9%	0
M3205	3	13	62	11	1	0	10	0	850	9.6%	15.4%	-50
M3206	3	13	59	11	4	0	10	0	800	9.7%	14.3%	0
M3207	3.5	13	61.5	11	1	0	10	0	850	7.6%	15.6%	0

M3208	3.5	13	58.5	11	4	0	10	0	800	8.1%	16.3%	50
M3209	3	13	62.5	11	0	0	10.5	0	850	9.8%	16.0%	-50
M3210	3	13	61	11	1	0	11	0	800	10.4%	17.3%	0
M3211	3	13	58	11	4	0	11	0	800	10.5%	15.4%	0
M3212	3.5	13	60.5	11	1	0	11	0	850	8.3%	17.4%	0
M3213	3.5	13	57.5	11	4	0	11	0	800	8.8%	17.6%	50
M3214	4	13	57	11	4	0	11	0	800	7.3%	18.7%	100
M3215	3	13	61.5	11	0	0	11.5	0	850	10.6%	17.8%	0
M3216	3	13	60	11	1	0	12	0	800	10.9%	19.1%	0
M3217	3	13	57	11	4	0	12	0	800	11.2%	16.2%	0
M3218	3.5	13	59.5	11	1	0	12	0	850	9.0%	19.1%	50
M3219	3.5	13	56.5	11	4	0	12	0	800	9.6%	18.8%	50
M3220	4	13	59	11	1	0	12	0	850	7.4%	19.3%	50
M3221	4	13	56	11	4	0	12	0	800	7.9%	20.5%	100
M3222	3	13	59	11	1	0	13	0	800	11.9%	21.2%	0
M3223	3	13	56	11	4	0	13	0	800	12.0%	18.4%	50
M3224	3.5	13	58.5	11	1	0	13	0	800	9.8%	20.9%	50
M3225	3.5	13	55.5	11	4	0	13	0	800	10.3%	19.8%	100
M3226	4	13	58	11	1	0	13	0	850	8.1%	21.1%	100
M3227	4	13	55	11	4	0	13	0	800	8.6%	22.0%	150
M3228	3	13	58	11	1	0	14	0	800	12.8%	23.1%	0
M3229	3.5	13	56.5	11	2	0	14	0	800	10.9%	23.0%	50
M3230	3.5	13	53.5	11	5	0	14	0	800	11.0%	18.4%	100
M3231	4	13	56	11	2	0	14	0	800	9.0%	23.1%	100
M3232	4	13	53	11	5	0	14	0	800	9.5%	21.4%	150
M3233	3.5	13	55.5	11	2	0	15	0	800	11.8%	25.1%	100
M3234	3.5	13	52.5	11	5	0	15	0	800	11.8%	19.5%	100
M3235	4	13	55	11	2	0	15	0	800	9.8%	24.8%	150
M3236	4	13	52	11	5	0	15	0	800	10.2%	22.1%	150
M3237	2.5	13.2	62.8	11	0	0	10.5	0	800	11.6%	16.0%	-50
M3238	3	13.2	61.8	11	0	0	11	0	850	10.3%	16.8%	-50
M3239	2.5	13.2	61.3	11	0	0	12	0	850	13.0%	19.1%	-50
M3240	3	13.4	62.6	11	0	0	10	0	850	9.6%	14.8%	-50
M3241	2.5	13.4	62.1	11	0	0	11	0	800	12.2%	17.4%	-50
M3242	3	13.4	61.1	11	0	0	11.5	0	850	10.8%	17.6%	-50
M3243	2.5	13.6	62.9	11	0	0	10	0	800	11.6%	14.8%	-50
M3244	3	13.6	61.9	11	0	0	10.5	0	850	10.1%	15.6%	-50
M3245	2.5	13.6	61.4	11	0	0	11.5	0	850	12.8%	18.1%	-50
M3246	2.5	13.8	62.7	11	0	0	10	0	800	11.5%	14.7%	-50
M3247	3	13.8	61.7	11	0	0	10.5	0	850	10.2%	15.5%	-50
M3248	2.5	13.8	61.2	11	0	0	11.5	0	850	12.9%	18.0%	-50

M3249	2.5	14	62.5	11	0	0	10	0	800	11.6%	14.5%	-50
M3250	3	14	60	11	2	0	10	0	800	10.0%	15.1%	-50
M3251	3	14	57	11	5	0	10	0	800	10.2%	10.9%	0
M3252	3.5	14	59.5	11	2	0	10	0	850	8.3%	15.2%	0
M3253	3.5	14	56.5	11	5	0	10	0	800	8.6%	13.5%	50
M3254	2.5	14	62	11	0	0	10.5	0	800	12.1%	15.9%	-50
M3255	3	14	61	11	0	0	11	0	850	10.7%	16.3%	-50
M3256	3	14	58	11	3	0	11	0	800	11.0%	16.2%	0
M3257	3.5	14	60.5	11	0	0	11	0	850	9.0%	16.3%	0
M3258	3.5	14	57.5	11	3	0	11	0	800	9.2%	17.3%	50
M3259	4	14	60	11	0	0	11	0	850	7.1%	16.5%	50
M3260	4	14	57	11	3	0	11	0	800	7.6%	17.6%	50
M3261	2.5	14	61	11	0	0	11.5	0	850	13.1%	17.9%	-50
M3262	3	14	59	11	1	0	12	0	800	11.5%	18.4%	0
M3263	3	14	56	11	4	0	12	0	800	11.7%	15.1%	0
M3264	3.5	14	58.5	11	1	0	12	0	800	9.6%	18.4%	0
M3265	3.5	14	55.5	11	4	0	12	0	800	10.1%	17.4%	50
M3266	4	14	58	11	1	0	12	0	850	7.9%	18.6%	50
M3267	4	14	55	11	4	0	12	0	800	8.4%	19.6%	100
M3268	3	14	58	11	1	0	13	0	800	12.5%	21.2%	0
M3269	3	14	54	11	5	0	13	0	800	12.3%	14.5%	50
M3270	3.5	14	56.5	11	2	0	13	0	800	10.6%	20.5%	50
M3271	3.5	14	53.5	11	5	0	13	0	800	10.8%	16.2%	100
M3272	4	14	56	11	2	0	13	0	800	8.8%	20.7%	100
M3273	4	14	53	11	5	0	13	0	800	9.2%	19.1%	150
M3274	3.5	14	55.5	11	2	0	14	0	800	11.5%	22.3%	50
M3275	3.5	14	52.5	11	5	0	14	0	800	11.5%	16.7%	100
M3276	4	14	55	11	2	0	14	0	800	9.6%	22.4%	100
M3277	4	14	52	11	5	0	14	0	750	9.9%	19.9%	150
M3278	3.5	14	54.5	11	2	0	15	0	800	12.4%	25.2%	50
M3279	3.5	14	51.5	11	5	0	15	0	800	12.2%	19.2%	100
M3280	4	14	54	11	2	0	15	0	800	10.4%	24.0%	100
M3281	4	14	51	11	5	0	15	0	750	10.7%	20.6%	150
M3282	3	15	59	11	2	0	10	0	800	10.6%	14.4%	-50
M3283	3	15	56	11	5	0	10	0	800	10.6%	9.5%	0
M3284	3.5	15	58.5	11	2	0	10	0	850	8.8%	14.5%	0
M3285	3.5	15	55.5	11	5	0	10	0	800	9.1%	12.2%	50
M3286	4	15	57	11	3	0	10	0	850	7.4%	15.0%	50
M3287	3	15	60	11	0	0	11	0	850	11.1%	15.6%	-50
M3288	3	15	57	11	3	0	11	0	800	11.6%	14.8%	0
M3289	3.5	15	59.5	11	0	0	11	0	850	9.5%	15.6%	0

M3290	3.5	15	56.5	11	3	0	11	0	800	9.7%	16.6%	0
M3291	4	15	59	11	0	0	11	0	850	7.6%	15.9%	0
M3292	4	15	56	11	3	0	11	0	800	8.1%	16.8%	50
M3293	3	15	59	11	0	0	12	0	800	12.0%	17.6%	-50
M3294	3	15	56	11	3	0	12	0	800	12.4%	18.0%	0
M3295	3.5	15	58.5	11	0	0	12	0	850	10.3%	17.4%	0
M3296	3.5	15	55.5	11	3	0	12	0	800	10.5%	18.1%	50
M3297	4	15	58	11	0	0	12	0	850	8.6%	17.6%	50
M3298	4	15	55	11	3	0	12	0	800	8.8%	18.6%	100
M3299	3	15	58	11	0	0	13	0	800	12.9%	20.2%	0
M3300	3.5	15	55.5	11	2	0	13	0	800	11.2%	19.8%	50
M3301	3.5	15	52.5	11	5	0	13	0	800	11.3%	14.6%	50
M3302	4	15	55	11	2	0	13	0	800	9.3%	19.9%	100
M3303	4	15	52	11	5	0	13	0	750	9.7%	17.6%	100
M3304	3.5	15	54.5	11	2	0	14	0	800	12.1%	22.3%	50
M3305	3.5	15	51.5	11	5	0	14	0	800	12.0%	16.6%	100
M3306	4	15	54	11	2	0	14	0	800	10.1%	21.6%	100
M3307	4	15	51	11	5	0	14	0	750	10.4%	18.4%	150
M3308	4	15	55	11	0	0	15	0	800	10.5%	22.5%	100
M3309	4	15	52	11	3	0	15	0	800	11.2%	23.3%	100
M3310	3	16	60	11	0	0	10	0	850	11.1%	13.1%	-50
M3311	3	16	57	11	3	0	10	0	800	11.3%	12.5%	-50
M3312	3.5	16	59.5	11	0	0	10	0	850	9.3%	13.2%	-50
M3313	3.5	16	56.5	11	3	0	10	0	800	9.5%	14.0%	0
M3314	4	16	59	11	0	0	10	0	850	7.4%	13.5%	0
M3315	4	16	56	11	3	0	10	0	850	7.9%	14.3%	50
M3316	3	16	59	11	0	0	11	0	800	11.7%	14.9%	-50
M3317	3	16	56	11	3	0	11	0	800	12.1%	14.7%	-50
M3318	3.5	16	58.5	11	0	0	11	0	850	10.0%	15.0%	0
M3319	3.5	16	55.5	11	3	0	11	0	800	10.2%	15.7%	0
M3320	4	16	58	11	0	0	11	0	850	8.0%	15.2%	0
M3321	4	16	55	11	3	0	11	0	800	8.5%	16.1%	50
M3322	3	16	58	11	0	0	12	0	800	12.6%	17.8%	-50
M3323	3.5	16	57.5	11	0	0	12	0	850	10.5%	16.7%	0
M3324	3.5	16	54.5	11	3	0	12	0	800	11.1%	16.8%	50
M3325	4	16	57	11	0	0	12	0	850	9.1%	16.9%	50
M3326	4	16	54	11	3	0	12	0	800	9.3%	17.8%	50
M3327	3.5	16	56.5	11	0	0	13	0	800	11.4%	18.4%	0
M3328	3.5	16	53.5	11	3	0	13	0	800	12.0%	18.4%	50
M3329	4	16	56	11	0	0	13	0	850	9.5%	18.5%	50
M3330	4	16	53	11	3	0	13	0	800	10.1%	19.5%	100

M3331	3.5	16	55.5	11	0	0	14	0	800	12.3%	20.9%	0
M3332	3.5	16	51.5	11	4	0	14	0	800	12.6%	19.2%	50
M3333	4	16	54	11	1	0	14	0	800	10.5%	20.5%	50
M3334	4	16	51	11	4	0	14	0	750	10.9%	18.9%	100
M3335	4	16	54	11	0	0	15	0	800	11.1%	21.8%	50
M3336	4	16	51	11	3	0	15	0	800	11.8%	22.1%	100
M3337	3	12	58.8	11	0	0.2	15	0	800	12.9%	24.8%	50
M3338	4	16	53.6	11	0	0.4	15	0	800	11.1%	21.8%	100
M3339	3	12	58.2	11	0	0.8	15	0	800	12.8%	24.8%	50
M3340	4	16	53	11	0	1	15	0	800	11.2%	21.8%	100
M3341	3	12	57.6	11	0	1.4	15	0	800	12.8%	24.8%	50
M3342	4	16	52.4	11	0	1.6	15	0	800	11.1%	21.9%	100
M3343	3	12	57	11	0	2	15	0	800	12.8%	24.9%	50
M3344	4	16	51.8	11	0	2.2	15	0	800	11.0%	21.9%	100
M3345	3	12	56.4	11	0	2.6	15	0	800	12.7%	24.9%	0
M3346	4	16	51.2	11	0	2.8	15	0	800	10.9%	21.9%	100
M3347	3	12	55.8	11	0	3.2	15	0	800	12.6%	24.9%	0
M3348	4	16	50.6	11	0	3.4	15	0	800	10.8%	21.9%	100
M3349	3	12	55.2	11	0	3.8	15	0	800	12.6%	25.0%	0
M3350	4	16	50	11	0	4	15	0	800	10.7%	21.9%	100
M3351	4	16	49.4	11	0	4.6	15	0	800	10.6%	22.0%	100
M3352	4	16	44	11	0	10	15	0	800	9.9%	22.2%	150
M3353	4	16	43.4	11	0	10.6	15	0	800	9.9%	22.2%	150
M3354	4	16	43	11	0	11	15	0	750	9.8%	22.3%	200
M3355	3	12	47.6	11	0	11.4	15	0	800	11.9%	25.0%	100
M3356	4	16	42.4	11	0	11.6	15	0	750	9.8%	22.3%	200
M3357	3	12	47	11	0	12	15	0	800	11.9%	24.9%	100
M3358	4	16	41.8	11	0	12.2	15	0	750	9.7%	22.3%	200
M3359	3	12	46.4	11	0	12.6	15	0	750	11.8%	24.9%	100
M3360	4	16	41.2	11	0	12.8	15	0	750	9.7%	22.4%	150
M3361	3	12	45.8	11	0	13.2	15	0	750	11.8%	24.9%	100
M3362	4	16	40.6	11	0	13.4	15	0	750	9.6%	22.4%	150
M3363	3	12	45.2	11	0	13.8	15	0	750	11.8%	24.9%	100
M3364	4	16	40	11	0	14	15	0	750	9.6%	22.4%	150
M3365	3	12	58.6	11.2	0	0.2	15	0	800	12.9%	24.8%	50
M3366	4	16	53.4	11.2	0	0.4	15	0	800	11.1%	21.8%	100
M3367	3	12	58	11.2	0	0.8	15	0	800	12.8%	24.8%	50
M3368	4	16	52.8	11.2	0	1	15	0	800	11.0%	21.8%	100
M3369	3	12	57.4	11.2	0	1.4	15	0	800	12.8%	24.8%	50
M3370	4	16	52.2	11.2	0	1.6	15	0	800	11.1%	21.9%	100
M3371	3	12	56.8	11.2	0	2	15	0	800	12.7%	24.9%	50

M3372	4	16	51.6	11.2	0	2.2	15	0	800	11.0%	21.9%	100
M3373	3	12	56.2	11.2	0	2.6	15	0	800	12.7%	24.9%	50
M3374	4	16	51	11.2	0	2.8	15	0	800	10.9%	21.9%	100
M3375	3	12	55.6	11.2	0	3.2	15	0	800	12.6%	24.9%	0
M3376	4	16	50.4	11.2	0	3.4	15	0	800	10.8%	21.9%	100
M3377	3	12	55	11.2	0	3.8	15	0	800	12.6%	25.0%	0
M3378	4	16	49.6	11.2	0	4.2	15	0	800	10.7%	22.0%	100
M3379	4	16	44	11.2	0	9.8	15	0	800	10.0%	22.2%	150
M3380	4	16	43.4	11.2	0	10.4	15	0	800	9.9%	22.2%	150
M3381	3	12	47.8	11.2	0	11	15	0	800	11.9%	25.0%	100
M3382	4	16	42.6	11.2	0	11.2	15	0	750	9.8%	22.3%	200
M3383	3	12	47.2	11.2	0	11.6	15	0	800	11.9%	25.0%	100
M3384	4	16	42	11.2	0	11.8	15	0	750	9.8%	22.3%	200
M3385	3	12	46.6	11.2	0	12.2	15	0	750	11.8%	24.9%	100
M3386	4	16	41.4	11.2	0	12.4	15	0	750	9.7%	22.3%	200
M3387	3	12	46	11.2	0	12.8	15	0	750	11.8%	24.9%	100
M3388	4	16	40.8	11.2	0	13	15	0	750	9.6%	22.4%	150
M3389	3	12	45.4	11.2	0	13.4	15	0	750	11.8%	24.9%	100
M3390	4	16	40.2	11.2	0	13.6	15	0	750	9.6%	22.4%	150
M3391	3	12	44.8	11.2	0	14	15	0	750	11.7%	24.9%	100
M3392	4	16	53.6	11.4	0	0	15	0	800	11.1%	21.8%	50
M3393	3	12	58.2	11.4	0	0.4	15	0	800	12.9%	24.8%	50
M3394	4	16	53	11.4	0	0.6	15	0	800	11.0%	21.8%	100
M3395	3	12	57.6	11.4	0	1	15	0	800	12.8%	24.8%	50
M3396	4	16	52.4	11.4	0	1.2	15	0	800	10.9%	21.8%	100
M3397	3	12	57	11.4	0	1.6	15	0	800	12.7%	24.8%	50
M3398	4	16	51.8	11.4	0	1.8	15	0	800	11.1%	21.9%	100
M3399	3	12	56.4	11.4	0	2.2	15	0	800	12.7%	24.9%	50
M3400	4	16	51.2	11.4	0	2.4	15	0	800	11.0%	21.9%	100
M3401	3	12	55.8	11.4	0	2.8	15	0	800	12.7%	24.9%	50
M3402	4	16	50.6	11.4	0	3	15	0	800	10.9%	21.9%	100
M3403	3	12	55.2	11.4	0	3.4	15	0	800	12.6%	24.9%	0
M3404	4	16	50	11.4	0	3.6	15	0	800	10.8%	21.9%	100
M3405	4	16	49.6	11.4	0	4	15	0	800	10.7%	21.9%	100
M3406	4	16	49	11.4	0	4.6	15	0	800	10.6%	22.0%	100
M3407	4	16	43.4	11.4	0	10.2	15	0	750	9.9%	22.2%	150
M3408	4	16	42.8	11.4	0	10.8	15	0	750	9.8%	22.2%	200
M3409	3	12	47.4	11.4	0	11.2	15	0	800	11.9%	25.0%	100
M3410	4	16	42.2	11.4	0	11.4	15	0	750	9.8%	22.3%	200
M3411	3	12	46.8	11.4	0	11.8	15	0	750	11.9%	25.0%	100
M3412	4	16	41.6	11.4	0	12	15	0	750	9.7%	22.3%	200

M3413	3	12	46.2	11.4	0	12.4	15	0	750	11.8%	24.9%	100
M3414	4	16	41	11.4	0	12.6	15	0	750	9.7%	22.3%	200
M3415	3	12	45.6	11.4	0	13	15	0	750	11.8%	24.9%	100
M3416	4	16	40.4	11.4	0	13.2	15	0	750	9.6%	22.4%	150
M3417	3	12	45	11.4	0	13.6	15	0	750	11.7%	24.9%	100
M3418	4	16	39.8	11.4	0	13.8	15	0	750	9.6%	22.4%	150
M3419	3	12	58.4	11.6	0	0	15	0	800	12.9%	24.7%	50
M3420	4	16	53.2	11.6	0	0.2	15	0	800	11.1%	21.8%	100
M3421	3	12	57.8	11.6	0	0.6	15	0	800	12.9%	24.8%	50
M3422	4	16	52.6	11.6	0	0.8	15	0	800	11.0%	21.8%	100
M3423	3	12	57.2	11.6	0	1.2	15	0	800	12.8%	24.8%	50
M3424	4	16	52	11.6	0	1.4	15	0	800	11.1%	21.9%	100
M3425	3	12	56.6	11.6	0	1.8	15	0	800	12.7%	24.8%	50
M3426	4	16	51.4	11.6	0	2	15	0	800	11.0%	21.9%	100
M3427	3	12	56	11.6	0	2.4	15	0	800	12.7%	24.9%	50
M3428	4	16	50.8	11.6	0	2.6	15	0	800	10.9%	21.9%	100
M3429	3	12	55.4	11.6	0	3	15	0	800	12.6%	24.9%	50
M3430	4	16	50.2	11.6	0	3.2	15	0	800	10.8%	21.9%	100
M3431	3	12	54.8	11.6	0	3.6	15	0	800	12.6%	24.9%	0
M3432	4	16	49.4	11.6	0	4	15	0	800	10.7%	21.9%	100
M3433	4	16	48.8	11.6	0	4.6	15	0	800	10.6%	22.0%	100
M3434	4	16	43	11.6	0	10.4	15	0	750	9.9%	22.2%	150
M3435	3	12	47.4	11.6	0	11	15	0	750	11.9%	25.1%	100
M3436	4	16	42.2	11.6	0	11.2	15	0	750	9.8%	22.2%	200
M3437	3	12	46.8	11.6	0	11.6	15	0	750	11.9%	25.0%	100
M3438	4	16	41.6	11.6	0	11.8	15	0	750	9.7%	22.3%	200
M3439	3	12	46.2	11.6	0	12.2	15	0	750	11.8%	25.0%	100
M3440	4	16	41	11.6	0	12.4	15	0	750	9.7%	22.3%	200
M3441	3	12	45.6	11.6	0	12.8	15	0	750	11.8%	24.9%	100
M3442	4	16	40.4	11.6	0	13	15	0	750	9.6%	22.3%	150
M3443	3	12	45	11.6	0	13.4	15	0	750	11.8%	24.9%	100
M3444	4	16	39.8	11.6	0	13.6	15	0	750	9.6%	22.4%	150
M3445	3	12	44.4	11.6	0	14	15	0	750	11.7%	24.9%	100
M3446	4	16	53.2	11.8	0	0	15	0	800	11.2%	21.8%	100
M3447	3	12	57.8	11.8	0	0.4	15	0	800	12.9%	24.8%	50
M3448	4	16	52.6	11.8	0	0.6	15	0	800	11.1%	21.8%	100
M3449	3	12	57.2	11.8	0	1	15	0	800	12.8%	24.8%	50
M3450	4	16	52	11.8	0	1.2	15	0	800	10.9%	21.8%	100
M3451	3	12	56.6	11.8	0	1.6	15	0	800	12.8%	24.8%	50
M3452	4	16	51.4	11.8	0	1.8	15	0	800	11.1%	21.9%	100
M3453	3	12	56	11.8	0	2.2	15	0	800	12.7%	24.9%	50

M3454	4	16	50.8	11.8	0	2.4	15	0	800	11.0%	21.9%	100
M3455	3	12	55.4	11.8	0	2.8	15	0	800	12.7%	24.9%	50
M3456	4	16	50.2	11.8	0	3	15	0	800	10.9%	21.9%	100
M3457	4	16	49.6	11.8	0	3.6	15	0	800	10.8%	21.9%	100
M3458	4	16	49	11.8	0	4.2	15	0	800	10.7%	21.9%	100
M3459	4	16	43	11.8	0	10.2	15	0	750	9.9%	22.2%	150
M3460	4	16	42.4	11.8	0	10.8	15	0	750	9.8%	22.2%	200
M3461	4	16	42	11.8	0	11.2	15	0	750	9.8%	22.2%	200
M3462	3	12	46.6	11.8	0	11.6	15	0	750	11.9%	25.1%	100
M3463	4	16	41.4	11.8	0	11.8	15	0	750	9.7%	22.3%	200
M3464	3	12	46	11.8	0	12.2	15	0	750	11.8%	25.0%	100
M3465	4	16	40.8	11.8	0	12.4	15	0	750	9.7%	22.3%	200
M3466	3	12	45.4	11.8	0	12.8	15	0	750	11.8%	24.9%	100
M3467	4	16	40.2	11.8	0	13	15	0	750	9.6%	22.3%	150
M3468	3	12	44.8	11.8	0	13.4	15	0	750	11.7%	24.9%	100
M3469	4	16	39.6	11.8	0	13.6	15	0	750	9.6%	22.4%	150
M3470	3	12	44.2	11.8	0	14	15	0	750	11.7%	24.9%	100
M3471	4	7	57	12	0	0	20	0	800	7.8%	34.0%	200
M3472	3.75	9	55.25	12	0	0	20	0	800	10.3%	32.7%	150
M3473	2.5	10	65.5	12	0	0	10	0	800	9.6%	17.1%	-50
M3474	2.5	10	65	12	0	0	10.5	0	800	10.0%	18.1%	-50
M3475	2.5	10	64.5	12	0	0	11	0	800	10.4%	19.0%	-50
M3476	3	10	63.5	12	0	0	11.5	0	800	8.6%	19.8%	0
M3477	4	10	54	12	0	0	20	0	800	11.3%	33.9%	200
M3478	3	10.2	64.8	12	0	0	10	0	850	7.7%	16.9%	0
M3479	3	10.2	64.3	12	0	0	10.5	0	850	8.0%	17.8%	0
M3480	3	10.2	63.8	12	0	0	11	0	850	8.4%	18.8%	0
M3481	2.5	10.2	63.3	12	0	0	12	0	800	10.8%	20.8%	-50
M3482	2.5	10.4	65.1	12	0	0	10	0	800	9.8%	16.8%	-50
M3483	2.5	10.4	64.6	12	0	0	10.5	0	800	10.2%	17.8%	-50
M3484	2.5	10.4	64.1	12	0	0	11	0	800	10.4%	18.8%	-50
M3485	3	10.4	63.1	12	0	0	11.5	0	800	8.9%	19.6%	0
M3486	2	10.6	65.4	12	0	0	10	0	800	11.1%	16.8%	-50
M3487	2.5	10.6	64.4	12	0	0	10.5	0	800	10.3%	17.7%	-50
M3488	2.5	10.6	63.9	12	0	0	11	0	800	10.5%	18.6%	-50
M3489	3	10.6	62.9	12	0	0	11.5	0	800	9.0%	19.4%	0
M3490	3	10.8	65.2	12	0	0	9	0	850	7.3%	14.6%	-50
M3491	3	10.8	64.2	12	0	0	10	0	850	8.0%	16.5%	0
M3492	2.5	10.8	63.7	12	0	0	11	0	800	10.6%	18.5%	-50
M3493	2.5	10.8	63.2	12	0	0	11.5	0	800	11.1%	19.5%	-50
M3494	3	10.8	62.2	12	0	0	12	0	800	9.5%	20.2%	0

M3495	3	11	65	12	0	0	9	0	850	7.4%	14.5%	-50
M3496	2.5	11	64	12	0	0	10.5	0	800	10.5%	17.4%	-50
M3497	3	11	63	12	0	0	11	0	800	8.8%	18.2%	0
M3498	3	11	62.5	12	0	0	11.5	0	800	9.2%	19.2%	0
M3499	3.5	11	61.5	12	0	0	12	0	850	7.8%	20.1%	50
M3500	2.5	11.2	64.3	12	0	0	10	0	800	10.3%	16.3%	-50
M3501	3	11.2	63.3	12	0	0	10.5	0	850	8.5%	17.2%	0
M3502	3.5	11.2	62.3	12	0	0	11	0	850	7.3%	18.2%	50
M3503	2.5	11.2	62.3	12	0	0	12	0	800	11.8%	20.3%	-50
M3504	3	11.4	64.6	12	0	0	9	0	850	7.6%	14.3%	-50
M3505	2.5	11.4	63.6	12	0	0	10.5	0	800	10.5%	17.2%	-50
M3506	3	11.4	62.6	12	0	0	11	0	800	9.0%	18.0%	0
M3507	3	11.4	62.1	12	0	0	11.5	0	800	9.4%	18.9%	0
M3508	3	11.6	65.4	12	0	0	8	0	850	7.1%	12.2%	-50
M3509	3	11.6	63.4	12	0	0	10	0	850	8.4%	16.0%	-50
M3510	2.5	11.6	62.9	12	0	0	11	0	800	11.1%	18.0%	-50
M3511	2.5	11.6	62.4	12	0	0	11.5	0	800	11.6%	19.0%	-50
M3512	3	11.6	61.4	12	0	0	12	0	800	10.0%	19.7%	0
M3513	2.5	11.8	63.7	12	0	0	10	0	800	10.4%	16.0%	-50
M3514	3	11.8	62.7	12	0	0	10.5	0	850	8.9%	16.8%	0
M3515	3.5	11.8	61.7	12	0	0	11	0	850	7.6%	17.8%	0
M3516	2.5	11.8	61.7	12	0	0	12	0	800	12.2%	20.0%	-50
M3517	3	12	64	12	0	0	9	0	850	7.9%	13.9%	-50
M3518	3	12	62	12	1	0	10	0	800	8.8%	16.1%	-50
M3519	3	12	59	12	4	0	10	0	800	9.2%	15.4%	0
M3520	3.5	12	61.5	12	1	0	10	0	850	7.2%	16.2%	0
M3521	3.5	12	58.5	12	4	0	10	0	800	7.6%	17.3%	50
M3522	3	12	62.5	12	0	0	10.5	0	850	9.0%	16.7%	-50
M3523	3	12	61	12	1	0	11	0	800	9.5%	18.0%	0
M3524	3	12	58	12	4	0	11	0	800	10.0%	16.6%	0
M3525	3.5	12	60.5	12	1	0	11	0	850	7.8%	18.0%	50
M3526	3.5	12	57.5	12	4	0	11	0	800	8.3%	18.7%	50
M3527	2.5	12	62	12	0	0	11.5	0	800	11.8%	18.9%	-50
M3528	3	12	61	12	0	0	12	0	800	10.2%	19.4%	0
M3529	3	12	58	12	3	0	12	0	800	10.7%	19.7%	0
M3530	3.5	12	60.5	12	0	0	12	0	850	8.4%	19.4%	50
M3531	3.5	12	57.5	12	3	0	12	0	800	8.9%	20.6%	50
M3532	4	12	59	12	1	0	12	0	850	7.0%	20.0%	100
M3533	4	12	56	12	4	0	12	0	800	7.5%	21.2%	150
M3534	3	12	59	12	1	0	13	0	800	11.3%	21.6%	0
M3535	3	12	56	12	4	0	13	0	800	11.5%	18.4%	50

M3536	3.5	12	58.5	12	1	0	13	0	800	9.3%	21.6%	50
M3537	3.5	12	55.5	12	4	0	13	0	750	9.9%	21.0%	100
M3538	4	12	58	12	1	0	13	0	800	7.6%	21.7%	100
M3539	4	12	55	12	4	0	13	0	750	8.2%	22.9%	150
M3540	3	12	58	12	1	0	14	0	800	12.2%	23.8%	50
M3541	3	12	55	12	4	0	14	0	800	12.3%	19.4%	50
M3542	3.5	12	57.5	12	1	0	14	0	800	10.1%	23.3%	50
M3543	3.5	12	54.5	12	4	0	14	0	750	10.6%	21.9%	100
M3544	4	12	57	12	1	0	14	0	800	8.3%	23.4%	100
M3545	4	12	54	12	4	0	14	0	750	8.9%	24.3%	150
M3546	3	12	58	12	0	0	15	0	800	13.0%	24.7%	50
M3547	3.5	12	55.5	12	2	0	15	0	750	11.2%	25.5%	100
M3548	3.5	12	52.5	12	5	0	15	0	750	11.3%	20.4%	150
M3549	4	12	55	12	2	0	15	0	800	9.3%	25.5%	150
M3550	4	12	52	12	5	0	15	0	750	9.7%	23.5%	200
M3551	2.5	12.2	62.8	12	0	0	10.5	0	800	11.0%	16.7%	-50
M3552	3	12.2	61.8	12	0	0	11	0	800	9.5%	17.5%	0
M3553	2.5	12.2	61.3	12	0	0	12	0	800	12.4%	19.7%	-50
M3554	3	12.4	62.6	12	0	0	10	0	850	8.8%	15.5%	-50
M3555	2.5	12.4	62.1	12	0	0	11	0	800	11.6%	17.5%	-50
M3556	3	12.4	61.1	12	0	0	11.5	0	800	10.0%	18.2%	0
M3557	3	12.5	62.5	12	0	0	10	0	850	8.9%	15.4%	-50
M3558	3.5	12.5	61	12	0	0	11	0	850	7.9%	17.3%	0
M3559	4	12.5	59.5	12	0	0	12	0	850	7.1%	19.2%	50
M3560	4	12.5	58.5	12	0	0	13	0	850	7.7%	21.0%	100
M3561	4	12.5	57.5	12	0	0	14	0	800	8.4%	22.6%	100
M3562	2.5	12.6	62.9	12	0	0	10	0	800	10.8%	15.4%	-50
M3563	3	12.6	61.9	12	0	0	10.5	0	800	9.3%	16.3%	-50
M3564	2.5	12.6	61.4	12	0	0	11.5	0	800	12.2%	18.8%	-50
M3565	3	12.6	60.4	12	0	0	12	0	800	10.6%	19.0%	0
M3566	2.5	12.8	62.2	12	0	0	10.5	0	800	11.4%	16.3%	-50
M3567	3	12.8	61.2	12	0	0	11	0	800	9.8%	17.1%	-50
M3568	2.5	12.8	60.7	12	0	0	12	0	800	12.8%	19.3%	-50
M3569	3	13	62	12	0	0	10	0	850	9.1%	15.1%	-50
M3570	3	13	59	12	3	0	10	0	800	9.6%	16.0%	0
M3571	3.5	13	61.5	12	0	0	10	0	850	7.5%	15.2%	0
M3572	3.5	13	58.5	12	3	0	10	0	800	8.0%	16.2%	50
M3573	2.5	13	62	12	0	0	10.5	0	800	11.5%	16.1%	-50
M3574	3	13	61	12	0	0	11	0	800	9.9%	16.9%	-50
M3575	3	13	58	12	3	0	11	0	800	10.5%	17.3%	0
M3576	3.5	13	60.5	12	0	0	11	0	850	8.2%	17.0%	0

M3577	3.5	13	57.5	12	3	0	11	0	800	8.7%	18.0%	50
M3578	4	13	58	12	2	0	11	0	850	7.0%	17.9%	50
M3579	4	13	55	12	5	0	11	0	800	7.5%	17.9%	150
M3580	2.5	13	60.5	12	0	0	12	0	800	12.9%	19.2%	-50
M3581	3	13	58	12	2	0	12	0	800	11.2%	19.5%	0
M3582	3	13	55	12	5	0	12	0	800	11.2%	13.8%	50
M3583	3.5	13	57.5	12	2	0	12	0	800	9.3%	19.5%	50
M3584	3.5	13	54.5	12	5	0	12	0	750	9.6%	16.8%	100
M3585	4	13	57	12	2	0	12	0	800	7.6%	19.7%	100
M3586	4	13	54	12	5	0	12	0	750	8.1%	19.2%	150
M3587	3	13	57	12	2	0	13	0	800	12.1%	22.2%	0
M3588	3	13	54	12	5	0	13	0	800	11.9%	15.8%	50
M3589	3.5	13	56.5	12	2	0	13	0	800	10.1%	21.3%	50
M3590	3.5	13	53.5	12	5	0	13	0	750	10.3%	17.6%	100
M3591	4	13	56	12	2	0	13	0	800	8.3%	21.4%	100
M3592	4	13	53	12	5	0	13	0	750	8.8%	20.3%	150
M3593	3.5	13	57.5	12	0	0	14	0	800	10.5%	22.2%	50
M3594	3.5	13	54.5	12	3	0	14	0	750	11.1%	22.7%	100
M3595	4	13	57	12	0	0	14	0	800	8.7%	22.3%	100
M3596	4	13	54	12	3	0	14	0	800	9.2%	23.5%	150
M3597	3.5	13	56.5	12	0	0	15	0	800	11.4%	23.9%	50
M3598	3.5	13	53.5	12	3	0	15	0	750	12.0%	24.7%	100
M3599	4	13	56	12	0	0	15	0	800	9.4%	23.9%	100
M3600	4	13	53	12	3	0	15	0	750	10.1%	25.2%	150
M3601	2.5	13.2	62.3	12	0	0	10	0	800	11.2%	15.1%	-50
M3602	3	13.2	61.3	12	0	0	10.5	0	800	9.6%	15.9%	-50
M3603	2.5	13.2	60.8	12	0	0	11.5	0	800	12.6%	18.4%	-50
M3604	3	13.2	59.8	12	0	0	12	0	800	10.9%	18.6%	0
M3605	2.5	13.4	61.6	12	0	0	10.5	0	800	11.8%	15.9%	-50
M3606	3	13.4	60.6	12	0	0	11	0	800	10.2%	16.7%	-50
M3607	2.5	13.4	60.1	12	0	0	12	0	800	13.2%	18.9%	-50
M3608	3.5	13.5	61	12	0	0	10	0	850	7.8%	14.9%	0
M3609	3	13.5	59.5	12	0	0	12	0	800	11.1%	18.4%	0
M3610	3	13.5	58.5	12	0	0	13	0	800	12.0%	20.7%	0
M3611	3	13.5	57.5	12	0	0	14	0	800	13.0%	22.5%	0
M3612	3.5	13.5	56	12	0	0	15	0	800	11.7%	23.6%	50
M3613	3	13.6	61.4	12	0	0	10	0	850	9.5%	14.7%	-50
M3614	2.5	13.6	60.9	12	0	0	11	0	800	12.4%	17.4%	-50
M3615	3	13.6	59.9	12	0	0	11.5	0	800	10.7%	17.4%	-50
M3616	3	13.8	61.2	12	0	0	10	0	850	9.6%	14.6%	-50
M3617	2.5	13.8	60.7	12	0	0	11	0	800	12.5%	17.3%	-50

M3618	3	13.8	59.7	12	0	0	11.5	0	800	10.8%	17.3%	-50
M3619	3	14	61	12	0	0	10	0	800	9.7%	14.4%	-50
M3620	3	14	58	12	3	0	10	0	800	10.2%	14.9%	-50
M3621	3.5	14	60.5	12	0	0	10	0	850	8.0%	14.5%	0
M3622	3.5	14	57.5	12	3	0	10	0	800	8.5%	15.5%	0
M3623	4	14	57	12	3	0	10	0	800	7.0%	15.7%	50
M3624	2.5	14	61	12	0	0	10.5	0	800	12.1%	16.1%	-50
M3625	3	14	60	12	0	0	11	0	800	10.5%	16.3%	-50
M3626	3	14	57	12	3	0	11	0	800	11.0%	16.1%	0
M3627	3.5	14	59.5	12	0	0	11	0	850	8.7%	16.3%	0
M3628	3.5	14	56.5	12	3	0	11	0	800	9.2%	17.3%	50
M3629	4	14	59	12	0	0	11	0	850	7.2%	16.5%	50
M3630	4	14	56	12	3	0	11	0	800	7.6%	17.5%	100
M3631	2.5	14	60	12	0	0	11.5	0	800	13.1%	17.8%	-50
M3632	3	14	58	12	1	0	12	0	800	11.6%	18.4%	0
M3633	3	14	55	12	4	0	12	0	800	11.8%	15.2%	0
M3634	3.5	14	57.5	12	1	0	12	0	800	9.6%	18.4%	50
M3635	3.5	14	54.5	12	4	0	12	0	750	10.1%	17.3%	50
M3636	4	14	57	12	1	0	12	0	850	8.0%	18.6%	50
M3637	4	14	54	12	4	0	12	0	800	8.5%	19.5%	100
M3638	3	14	57	12	1	0	13	0	800	12.5%	21.2%	0
M3639	3	14	53	12	5	0	13	0	750	12.4%	14.3%	50
M3640	3.5	14	55.5	12	2	0	13	0	800	10.6%	20.5%	50
M3641	3.5	14	52.5	12	5	0	13	0	750	10.8%	16.1%	100
M3642	4	14	55	12	2	0	13	0	800	8.8%	20.7%	100
M3643	4	14	52	12	5	0	13	0	750	9.3%	18.9%	150
M3644	3.5	14	54.5	12	2	0	14	0	800	11.5%	22.3%	50
M3645	3.5	14	51.5	12	5	0	14	0	750	11.5%	16.5%	100
M3646	4	14	54	12	2	0	14	0	800	9.6%	22.3%	100
M3647	4	14	51	12	5	0	14	0	750	10.0%	19.7%	150
M3648	3.5	14	53.5	12	2	0	15	0	750	12.5%	25.2%	100
M3649	3.5	14	50.5	12	5	0	15	0	750	12.2%	19.0%	100
M3650	4	14	53	12	2	0	15	0	800	10.4%	24.0%	100
M3651	4	14	50	12	5	0	15	0	750	10.7%	20.4%	150
M3652	3	14.5	59.5	12	0	0	11	0	800	10.8%	15.9%	-50
M3653	3	14.5	58.5	12	0	0	12	0	800	11.7%	17.7%	-50
M3654	3	14.5	57.5	12	0	0	13	0	800	12.6%	20.5%	0
M3655	3.5	14.5	56	12	0	0	14	0	800	11.4%	21.2%	50
M3656	4	14.5	54.5	12	0	0	15	0	800	10.3%	22.9%	100
M3657	3	15	58	12	2	0	10	0	800	10.6%	14.3%	-50
M3658	3	15	55	12	5	0	10	0	750	10.7%	9.3%	0

M3659	3.5	15	57.5	12	2	0	10	0	800	8.8%	14.5%	0
M3660	3.5	15	54.5	12	5	0	10	0	750	9.1%	12.0%	100
M3661	4	15	57	12	2	0	10	0	850	7.3%	14.7%	50
M3662	4	15	54	12	5	0	10	0	800	7.8%	14.2%	100
M3663	3	15	57	12	2	0	11	0	800	11.5%	16.2%	-50
M3664	3	15	54	12	5	0	11	0	750	11.4%	9.9%	0
M3665	3.5	15	56.5	12	2	0	11	0	800	9.6%	16.3%	0
M3666	3.5	15	53.5	12	5	0	11	0	750	9.8%	13.0%	50
M3667	4	15	56	12	2	0	11	0	800	8.0%	16.5%	50
M3668	4	15	53	12	5	0	11	0	750	8.4%	15.5%	150
M3669	3	15	56	12	2	0	12	0	800	12.4%	19.4%	0
M3670	3	15	53	12	5	0	12	0	750	12.1%	12.8%	0
M3671	3.5	15	55.5	12	2	0	12	0	800	10.4%	18.0%	50
M3672	3.5	15	52.5	12	5	0	12	0	750	10.6%	13.8%	50
M3673	4	15	55	12	2	0	12	0	800	8.6%	18.2%	50
M3674	4	15	52	12	5	0	12	0	750	9.0%	16.6%	150
M3675	3.5	15	55.5	12	1	0	13	0	800	11.0%	19.4%	50
M3676	3.5	15	52.5	12	4	0	13	0	750	11.4%	16.7%	50
M3677	4	15	55	12	1	0	13	0	800	9.2%	19.6%	50
M3678	4	15	52	12	4	0	13	0	750	9.7%	19.3%	150
M3679	3.5	15	54.5	12	1	0	14	0	800	11.9%	21.6%	50
M3680	3.5	15	51.5	12	4	0	14	0	750	12.1%	19.2%	100
M3681	4	15	54	12	1	0	14	0	800	10.0%	21.2%	100
M3682	4	15	51	12	4	0	14	0	750	10.5%	20.2%	100
M3683	3.5	15	53.5	12	1	0	15	0	800	12.9%	24.2%	50
M3684	4	15	52	12	2	0	15	0	800	11.0%	23.3%	100
M3685	4	15	49	12	5	0	15	0	750	11.2%	18.8%	150
M3686	4	15.5	58.5	12	0	0	10	0	850	7.3%	13.7%	0
M3687	4	15.5	57.5	12	0	0	11	0	850	7.9%	15.5%	0
M3688	4	15.5	56.5	12	0	0	12	0	850	8.5%	17.2%	50
M3689	3.5	15.5	55	12	0	0	14	0	800	12.0%	21.0%	50
M3690	4	15.5	53.5	12	0	0	15	0	800	10.9%	22.2%	100
M3691	3	16	57	12	2	0	10	0	800	11.2%	13.6%	-50
M3692	3	16	54	12	5	0	10	0	750	11.2%	7.7%	0
M3693	3.5	16	56.5	12	2	0	10	0	800	9.3%	13.7%	0
M3694	3.5	16	53.5	12	5	0	10	0	750	9.6%	10.7%	50
M3695	4	16	56	12	2	0	10	0	850	7.8%	14.0%	50
M3696	4	16	53	12	5	0	10	0	800	8.2%	13.0%	100
M3697	3	16	56	12	2	0	11	0	800	12.1%	16.3%	-50
M3698	3	16	53	12	5	0	11	0	750	11.9%	9.5%	0
M3699	3.5	16	55.5	12	2	0	11	0	800	10.1%	15.5%	0

M3700	3.5	16	52.5	12	5	0	11	0	750	10.3%	11.6%	100
M3701	4	16	55	12	2	0	11	0	800	8.4%	15.7%	50
M3702	4	16	52	12	5	0	11	0	750	8.8%	14.2%	150
M3703	3	16	52	12	5	0	12	0	750	12.6%	11.8%	0
M3704	3.5	16	54.5	12	2	0	12	0	800	11.0%	17.3%	0
M3705	3.5	16	51.5	12	5	0	12	0	750	11.0%	12.3%	100
M3706	4	16	54	12	2	0	12	0	800	9.1%	17.5%	50
M3707	4	16	51	12	5	0	12	0	750	9.5%	15.2%	150
M3708	3.5	16	53.5	12	2	0	13	0	800	11.8%	19.4%	50
M3709	3.5	16	50.5	12	5	0	13	0	750	11.7%	13.4%	50
M3710	4	16	53	12	2	0	13	0	800	9.9%	19.2%	50
M3711	4	16	50	12	5	0	13	0	750	10.2%	16.0%	150
M3712	3.5	16	52.5	12	2	0	14	0	750	12.8%	22.7%	50
M3713	4	16	54	12	0	0	14	0	800	10.3%	20.2%	50
M3714	4	16	51	12	3	0	14	0	750	10.9%	20.9%	150
M3715	4	16	53	12	0	0	15	0	800	11.2%	21.8%	100
M3716	4	16	51	12	2	0	15	0	800	11.6%	22.5%	100
M3717	4	16	48	12	5	0	15	0	750	11.6%	17.2%	200
M3718	3	12	57.6	12	0	0.4	15	0	800	12.9%	24.7%	50
M3719	4	16	52.4	12	0	0.6	15	0	800	11.1%	21.8%	100
M3720	3	12	57	12	0	1	15	0	800	12.8%	24.8%	50
M3721	4	16	51.8	12	0	1.2	15	0	800	11.0%	21.8%	100
M3722	3	12	56.4	12	0	1.6	15	0	800	12.8%	24.8%	50
M3723	4	16	51.2	12	0	1.8	15	0	800	11.1%	21.9%	100
M3724	3	12	55.8	12	0	2.2	15	0	800	12.7%	24.8%	50
M3725	4	16	50.6	12	0	2.4	15	0	800	11.0%	21.9%	100
M3726	3	12	55.2	12	0	2.8	15	0	800	12.7%	24.9%	50
M3727	4	16	50	12	0	3	15	0	800	10.9%	21.9%	100
M3728	4	16	49.4	12	0	3.6	15	0	800	10.8%	21.9%	100
M3729	4	16	48.8	12	0	4.2	15	0	800	10.7%	21.9%	100
M3730	4	16	42.8	12	0	10.2	15	0	750	9.9%	22.2%	150
M3731	4	16	42.2	12	0	10.8	15	0	750	9.8%	22.2%	200
M3732	4	16	41.8	12	0	11.2	15	0	750	9.8%	22.2%	200
M3733	3	12	46.4	12	0	11.6	15	0	750	11.9%	25.1%	100
M3734	4	16	41.2	12	0	11.8	15	0	750	9.7%	22.3%	200
M3735	3	12	45.8	12	0	12.2	15	0	750	11.8%	25.0%	100
M3736	4	16	40.6	12	0	12.4	15	0	750	9.7%	22.3%	200
M3737	3	12	45.2	12	0	12.8	15	0	750	11.8%	25.0%	100
M3738	4	16	40	12	0	13	15	0	750	9.6%	22.3%	200
M3739	3	12	44.6	12	0	13.4	15	0	750	11.7%	24.9%	100
M3740	4	16	39.4	12	0	13.6	15	0	750	9.6%	22.4%	150

M3741	3	12	44	12	0	14	15	0	750	11.7%	24.9%	100
M3742	4	16	52.8	12.2	0	0	15	0	800	11.2%	21.8%	100
M3743	3.6	16.6	53.6	12.2	0	0	14	0	800	12.3%	20.6%	50
M3744	3	12	57.4	12.2	0	0.4	15	0	800	12.9%	24.7%	50
M3745	4	16	52.2	12.2	0	0.6	15	0	800	11.1%	21.8%	100
M3746	3	12	56.8	12.2	0	1	15	0	800	12.8%	24.8%	50
M3747	4	16	51.6	12.2	0	1.2	15	0	800	11.0%	21.8%	100
M3748	3	12	56.2	12.2	0	1.6	15	0	800	12.8%	24.8%	50
M3749	4	16	51	12.2	0	1.8	15	0	800	10.9%	21.9%	100
M3750	3	12	55.6	12.2	0	2.2	15	0	800	12.7%	24.8%	50
M3751	4	16	50.4	12.2	0	2.4	15	0	800	11.0%	21.9%	100
M3752	3	12	55	12.2	0	2.8	15	0	800	12.6%	24.9%	50
M3753	4	16	49.6	12.2	0	3.2	15	0	800	10.9%	21.9%	100
M3754	4	16	49	12.2	0	3.8	15	0	800	10.8%	21.9%	100
M3755	4	16	42.8	12.2	0	10	15	0	750	9.9%	22.2%	150
M3756	4	16	42.2	12.2	0	10.6	15	0	750	9.8%	22.2%	200
M3757	3	12	46.6	12.2	0	11.2	15	0	750	11.9%	25.2%	100
M3758	4	16	41.4	12.2	0	11.4	15	0	750	9.8%	22.2%	200
M3759	3	12	46	12.2	0	11.8	15	0	750	11.8%	25.1%	100
M3760	4	16	40.8	12.2	0	12	15	0	750	9.7%	22.3%	200
M3761	3	12	45.4	12.2	0	12.4	15	0	750	11.8%	25.0%	100
M3762	4	16	40.2	12.2	0	12.6	15	0	750	9.6%	22.3%	200
M3763	3	12	44.8	12.2	0	13	15	0	750	11.8%	25.0%	100
M3764	4	16	39.6	12.2	0	13.2	15	0	750	9.6%	22.3%	200
M3765	3	12	44.2	12.2	0	13.6	15	0	750	11.7%	24.9%	100
M3766	4	16	39	12.2	0	13.8	15	0	750	9.5%	22.4%	150
M3767	3	12	57.6	12.4	0	0	15	0	800	13.0%	24.7%	50
M3768	4	16	52.4	12.4	0	0.2	15	0	800	11.2%	21.8%	100
M3769	3	12	57	12.4	0	0.6	15	0	800	12.9%	24.7%	50
M3770	4	16	51.8	12.4	0	0.8	15	0	800	11.0%	21.8%	100
M3771	3	12	56.4	12.4	0	1.2	15	0	800	12.8%	24.8%	50
M3772	4	16	51.2	12.4	0	1.4	15	0	800	10.9%	21.8%	100
M3773	3	12	55.8	12.4	0	1.8	15	0	800	12.7%	24.8%	50
M3774	4	16	50.6	12.4	0	2	15	0	800	10.8%	21.9%	100
M3775	3	12	55.2	12.4	0	2.4	15	0	800	12.7%	24.8%	50
M3776	4	16	50	12.4	0	2.6	15	0	800	11.0%	21.9%	100
M3777	4	16	49.6	12.4	0	3	15	0	800	10.9%	21.9%	100
M3778	4	16	49	12.4	0	3.6	15	0	800	10.8%	21.9%	100
M3779	4	16	48.4	12.4	0	4.2	15	0	800	10.7%	21.9%	100
M3780	4	16	42	12.4	0	10.6	15	0	750	9.8%	22.2%	200
M3781	3	12	46.4	12.4	0	11.2	15	0	750	11.9%	25.2%	100

M3782	4	16	41.2	12.4	0	11.4	15	0	750	9.7%	22.2%	200
M3783	3	12	45.8	12.4	0	11.8	15	0	750	11.8%	25.1%	100
M3784	4	16	40.6	12.4	0	12	15	0	750	9.7%	22.3%	200
M3785	3	12	45.2	12.4	0	12.4	15	0	750	11.8%	25.1%	100
M3786	4	16	40	12.4	0	12.6	15	0	750	9.6%	22.3%	200
M3787	3	12	44.6	12.4	0	13	15	0	750	11.8%	25.0%	100
M3788	4	16	39.4	12.4	0	13.2	15	0	750	9.6%	22.3%	200
M3789	3	12	44	12.4	0	13.6	15	0	750	11.7%	24.9%	100
M3790	4	16	38.8	12.4	0	13.8	15	0	750	9.5%	22.4%	150
M3791	3	12	62.5	12.5	0	0	10	0	800	8.6%	15.7%	-50
M3792	3.5	12	61	12.5	0	0	11	0	850	7.7%	17.6%	0
M3793	3	12	59.5	12.5	0	0	13	0	800	11.1%	21.2%	0
M3794	3	12	58.5	12.5	0	0	14	0	800	12.0%	23.4%	0
M3795	3	12	57.5	12.5	0	0	15	0	800	13.0%	24.7%	50
M3796	3	12.5	62	12.5	0	0	10	0	800	8.9%	15.4%	-50
M3797	3.5	12.5	60.5	12.5	0	0	11	0	850	7.9%	17.3%	0
M3798	4	12.5	59	12.5	0	0	12	0	850	7.1%	19.2%	50
M3799	4	12.5	58	12.5	0	0	13	0	850	7.7%	20.9%	100
M3800	4	12.5	57	12.5	0	0	14	0	800	8.4%	22.6%	100
M3801	3	13	61.5	12.5	0	0	10	0	800	9.2%	15.1%	-50
M3802	3.5	13	60	12.5	0	0	11	0	850	8.2%	17.0%	0
M3803	4	13	58.5	12.5	0	0	12	0	850	7.3%	18.9%	50
M3804	4	13	57.5	12.5	0	0	13	0	850	8.0%	20.6%	100
M3805	4	13	56.5	12.5	0	0	14	0	800	8.7%	22.3%	100
M3806	3	13.5	61	12.5	0	0	10	0	800	9.4%	14.8%	-50
M3807	3.5	13.5	59.5	12.5	0	0	11	0	850	8.5%	16.6%	0
M3808	4	13.5	58	12.5	0	0	12	0	850	7.6%	18.5%	50
M3809	4	13.5	57	12.5	0	0	13	0	800	8.2%	20.2%	100
M3810	4	13.5	56	12.5	0	0	14	0	800	8.9%	21.9%	100
M3811	3	14	60.5	12.5	0	0	10	0	800	9.7%	14.4%	-50
M3812	3.5	14	59	12.5	0	0	11	0	850	8.7%	16.3%	0
M3813	3.5	14	58	12.5	0	0	12	0	800	9.5%	18.0%	0
M3814	3.5	14	57	12.5	0	0	13	0	800	10.3%	19.8%	50
M3815	4	14	55.5	12.5	0	0	14	0	800	9.2%	21.6%	100
M3816	3	14.5	60	12.5	0	0	10	0	800	10.0%	14.1%	-50
M3817	3.5	14.5	58.5	12.5	0	0	11	0	800	9.0%	16.0%	0
M3818	3.5	14.5	57.5	12.5	0	0	12	0	800	9.7%	17.7%	0
M3819	3.5	14.5	56.5	12.5	0	0	13	0	800	10.6%	19.4%	50
M3820	4	14.5	55	12.5	0	0	14	0	800	9.5%	21.2%	100
M3821	3	15	59.5	12.5	0	0	10	0	800	10.3%	13.8%	-50
M3822	3	15	58.5	12.5	0	0	11	0	800	11.1%	15.6%	-50

M3823	3	15	57.5	12.5	0	0	12	0	800	12.0%	17.9%	-50
M3824	3	15	56.5	12.5	0	0	13	0	800	13.0%	20.2%	0
M3825	3.5	15	55	12.5	0	0	14	0	800	11.8%	20.9%	50
M3826	4	15	53.5	12.5	0	0	15	0	800	10.6%	22.5%	100
M3827	4	15.5	58	12.5	0	0	10	0	850	7.3%	13.7%	0
M3828	4	15.5	57	12.5	0	0	11	0	850	7.9%	15.5%	0
M3829	4	15.5	56	12.5	0	0	12	0	850	8.6%	17.2%	50
M3830	3.5	15.5	54.5	12.5	0	0	14	0	800	12.1%	21.1%	50
M3831	4	15.5	53	12.5	0	0	15	0	800	10.9%	22.1%	100
M3832	4	16	57.5	12.5	0	0	10	0	850	7.5%	13.4%	0
M3833	4	16	56.5	12.5	0	0	11	0	850	8.1%	15.1%	0
M3834	4	16	55.5	12.5	0	0	12	0	850	8.8%	16.8%	50
M3835	3.5	16	54	12.5	0	0	14	0	800	12.4%	21.2%	0
M3836	3.6	11	58.7	12.6	0	0	14.1	0	800	9.1%	23.8%	100
M3837	3	12	57.2	12.6	0	0.2	15	0	800	13.0%	24.7%	50
M3838	4	16	52	12.6	0	0.4	15	0	800	11.1%	21.8%	100
M3839	3	12	56.6	12.6	0	0.8	15	0	800	12.9%	24.7%	50
M3840	4	16	51.4	12.6	0	1	15	0	800	11.0%	21.8%	100
M3841	3	12	56	12.6	0	1.4	15	0	800	12.8%	24.8%	50
M3842	4	16	50.8	12.6	0	1.6	15	0	800	10.9%	21.8%	100
M3843	3	12	55.4	12.6	0	2	15	0	800	12.7%	24.8%	50
M3844	4	16	50.2	12.6	0	2.2	15	0	800	10.8%	21.9%	100
M3845	3	12	54.8	12.6	0	2.6	15	0	800	12.7%	24.8%	50
M3846	4	16	49.4	12.6	0	3	15	0	800	10.9%	21.9%	100
M3847	4	16	48.8	12.6	0	3.6	15	0	800	10.8%	21.9%	100
M3848	4	16	42.2	12.6	0	10.2	15	0	750	9.9%	22.1%	200
M3849	4	16	41.6	12.6	0	10.8	15	0	750	9.8%	22.2%	200
M3850	4	16	41.2	12.6	0	11.2	15	0	750	9.8%	22.2%	200
M3851	3	12	45.8	12.6	0	11.6	15	0	750	11.8%	25.2%	100
M3852	4	16	40.6	12.6	0	11.8	15	0	750	9.7%	22.2%	200
M3853	3	12	45.2	12.6	0	12.2	15	0	750	11.8%	25.1%	100
M3854	4	16	40	12.6	0	12.4	15	0	750	9.6%	22.3%	200
M3855	3	12	44.6	12.6	0	12.8	15	0	750	11.8%	25.0%	100
M3856	4	16	39.4	12.6	0	13	15	0	750	9.6%	22.3%	200
M3857	3	12	44	12.6	0	13.4	15	0	750	11.7%	25.0%	100
M3858	4	16	38.8	12.6	0	13.6	15	0	750	9.5%	22.3%	150
M3859	3	12	43.4	12.6	0	14	15	0	750	11.7%	24.9%	100
M3860	3	12	57.2	12.8	0	0	15	0	800	13.0%	24.7%	50
M3861	4	16	52	12.8	0	0.2	15	0	800	11.2%	21.8%	100
M3862	3	12	56.6	12.8	0	0.6	15	0	800	12.9%	24.7%	50
M3863	4	16	51.4	12.8	0	0.8	15	0	800	11.1%	21.8%	100

M3864	3	12	56	12.8	0	1.2	15	0	800	12.8%	24.8%	50
M3865	4	16	50.8	12.8	0	1.4	15	0	800	10.9%	21.8%	100
M3866	3	12	55.4	12.8	0	1.8	15	0	800	12.8%	24.8%	50
M3867	4	16	50.2	12.8	0	2	15	0	800	10.8%	21.8%	100
M3868	3	12	54.8	12.8	0	2.4	15	0	800	12.7%	24.8%	50
M3869	4	16	49.6	12.8	0	2.6	15	0	800	11.0%	21.9%	100
M3870	4	16	49	12.8	0	3.2	15	0	800	10.9%	21.9%	100
M3871	4	16	48.4	12.8	0	3.8	15	0	800	10.8%	21.9%	100
M3872	4	16	41.8	12.8	0	10.4	15	0	750	9.8%	22.1%	200
M3873	4	16	41.2	12.8	0	11	15	0	750	9.8%	22.2%	200
M3874	4	16	40.8	12.8	0	11.4	15	0	750	9.7%	22.2%	200
M3875	3	12	45.4	12.8	0	11.8	15	0	750	11.8%	25.2%	100
M3876	4	16	40.2	12.8	0	12	15	0	750	9.7%	22.2%	200
M3877	3	12	44.8	12.8	0	12.4	15	0	750	11.8%	25.1%	100
M3878	4	16	39.6	12.8	0	12.6	15	0	750	9.6%	22.3%	200
M3879	3	12	44.2	12.8	0	13	15	0	750	11.7%	25.0%	100
M3880	4	16	39	12.8	0	13.2	15	0	750	9.6%	22.3%	200
M3881	3	12	43.6	12.8	0	13.6	15	0	750	11.7%	25.0%	100
M3882	4	16	38.4	12.8	0	13.8	15	0	750	9.5%	22.3%	150
M3883	3.75	7	56.25	13	0	0	20	0	800	8.0%	32.8%	200
M3884	4	8	55	13	0	0	20	0	800	9.0%	33.9%	200
M3885	4	11	52	13	0	0	20	0	800	12.6%	33.3%	200
M3886	3	12	60	13	2	0	10	0	800	9.0%	16.4%	0
M3887	3	12	57	13	5	0	10	0	750	9.3%	13.4%	0
M3888	3.5	12	59.5	13	2	0	10	0	800	7.4%	16.5%	50
M3889	3.5	12	56.5	13	5	0	10	0	750	7.8%	15.6%	50
M3890	3	12	59	13	2	0	11	0	800	9.8%	18.3%	0
M3891	3	12	56	13	5	0	11	0	750	10.0%	14.5%	50
M3892	3.5	12	58.5	13	2	0	11	0	800	8.0%	18.4%	50
M3893	3.5	12	55.5	13	5	0	11	0	750	8.5%	16.9%	100
M3894	3	12	59	13	1	0	12	0	800	10.4%	19.8%	0
M3895	3	12	56	13	4	0	12	0	750	10.8%	17.4%	50
M3896	3.5	12	58.5	13	1	0	12	0	800	8.6%	19.8%	50
M3897	3.5	12	55.5	13	4	0	12	0	750	9.1%	19.8%	100
M3898	4	12	57	13	2	0	12	0	800	7.2%	20.3%	100
M3899	4	12	54	13	5	0	12	0	750	7.7%	20.3%	150
M3900	3	12	57	13	2	0	13	0	750	11.5%	22.0%	50
M3901	3	12	54	13	5	0	13	0	750	11.5%	15.8%	50
M3902	3.5	12	56.5	13	2	0	13	0	750	9.5%	22.0%	50
M3903	3.5	12	53.5	13	5	0	13	0	750	9.9%	18.9%	100
M3904	4	12	56	13	2	0	13	0	800	7.9%	22.1%	100

M3905	4	12	53	13	5	0	13	0	750	8.4%	21.4%	150
M3906	3	12	56	13	2	0	14	0	750	12.4%	24.1%	50
M3907	3	12	53	13	5	0	14	0	750	12.2%	16.6%	50
M3908	3.5	12	55.5	13	2	0	14	0	750	10.4%	23.7%	100
M3909	3.5	12	52.5	13	5	0	14	0	750	10.6%	19.7%	100
M3910	4	12	55	13	2	0	14	0	800	8.6%	23.8%	150
M3911	4	12	52	13	5	0	14	0	750	9.0%	22.4%	150
M3912	3.5	12	56.5	13	0	0	15	0	800	10.8%	24.6%	100
M3913	3.5	12	53.5	13	3	0	15	0	750	11.5%	24.8%	100
M3914	4	12	56	13	0	0	15	0	800	8.9%	24.6%	100
M3915	4	12	53	13	3	0	15	0	750	9.5%	25.9%	150
M3916	3	12.5	61.5	13	0	0	10	0	800	8.9%	15.4%	-50
M3917	3.5	12.5	60	13	0	0	11	0	800	8.0%	17.3%	0
M3918	4	12.5	58.5	13	0	0	12	0	850	7.1%	19.2%	50
M3919	4	12.5	57.5	13	0	0	13	0	800	7.8%	20.9%	100
M3920	4	12.5	56.5	13	0	0	14	0	800	8.4%	22.6%	100
M3921	3	13	61	13	0	0	10	0	800	9.2%	15.1%	-50
M3922	3	13	58	13	3	0	10	0	750	9.7%	15.9%	0
M3923	3.5	13	60.5	13	0	0	10	0	850	7.6%	15.1%	0
M3924	3.5	13	57.5	13	3	0	10	0	800	8.0%	16.2%	50
M3925	3	13	60	13	0	0	11	0	800	10.0%	16.9%	-50
M3926	3	13	57	13	3	0	11	0	750	10.5%	17.2%	0
M3927	3.5	13	59.5	13	0	0	11	0	800	8.2%	16.9%	0
M3928	3.5	13	56.5	13	3	0	11	0	800	8.7%	18.0%	50
M3929	4	13	57	13	2	0	11	0	800	7.1%	17.8%	50
M3930	4	13	54	13	5	0	11	0	750	7.5%	17.8%	150
M3931	3	13	57	13	2	0	12	0	750	11.2%	19.5%	0
M3932	3	13	54	13	5	0	12	0	750	11.2%	13.6%	50
M3933	3.5	13	56.5	13	2	0	12	0	800	9.3%	19.5%	50
M3934	3.5	13	53.5	13	5	0	12	0	750	9.6%	16.6%	100
M3935	4	13	56	13	2	0	12	0	800	7.7%	19.6%	100
M3936	4	13	53	13	5	0	12	0	750	8.2%	19.0%	200
M3937	3	13	56	13	2	0	13	0	750	12.1%	22.2%	0
M3938	3	13	53	13	5	0	13	0	750	11.9%	15.6%	50
M3939	3.5	13	55.5	13	2	0	13	0	750	10.1%	21.2%	50
M3940	3.5	13	52.5	13	5	0	13	0	750	10.4%	17.4%	100
M3941	4	13	55	13	2	0	13	0	800	8.4%	21.3%	100
M3942	4	13	52	13	5	0	13	0	750	8.8%	20.1%	150
M3943	3.5	13	56.5	13	0	0	14	0	800	10.6%	22.2%	50
M3944	3.5	13	53.5	13	3	0	14	0	750	11.2%	22.5%	100
M3945	4	13	56	13	0	0	14	0	800	8.7%	22.2%	100

M3946	4	13	53	13	3	0	14	0	750	9.3%	23.4%	150
M3947	3.5	13	55.5	13	0	0	15	0	800	11.4%	23.9%	50
M3948	3.5	13	52.5	13	3	0	15	0	750	12.1%	24.8%	100
M3949	4	13	55	13	0	0	15	0	800	9.5%	23.9%	100
M3950	4	13	52	13	3	0	15	0	750	10.1%	25.1%	150
M3951	3	13.5	60.5	13	0	0	10	0	800	9.5%	14.7%	-50
M3952	3.5	13.5	59	13	0	0	11	0	800	8.5%	16.6%	0
M3953	3.5	13.5	58	13	0	0	12	0	800	9.2%	18.4%	0
M3954	3.5	13.5	57	13	0	0	13	0	800	10.0%	20.1%	50
M3955	3.5	13.5	56	13	0	0	14	0	800	10.9%	21.9%	50
M3956	4	13.5	54.5	13	0	0	15	0	800	9.8%	23.6%	100
M3957	3	14	58	13	2	0	10	0	800	10.1%	15.0%	-50
M3958	3	14	55	13	5	0	10	0	750	10.2%	10.7%	0
M3959	3.5	14	57.5	13	2	0	10	0	800	8.4%	15.1%	0
M3960	3.5	14	54.5	13	5	0	10	0	750	8.7%	13.2%	100
M3961	4	14	54	13	5	0	10	0	750	7.4%	15.2%	150
M3962	3	14	57	13	2	0	11	0	750	10.9%	16.9%	0
M3963	3	14	54	13	5	0	11	0	750	11.0%	11.4%	0
M3964	3.5	14	56.5	13	2	0	11	0	800	9.1%	16.9%	0
M3965	3.5	14	53.5	13	5	0	11	0	750	9.4%	14.3%	50
M3966	4	14	56	13	2	0	11	0	800	7.5%	17.1%	50
M3967	4	14	53	13	5	0	11	0	750	8.0%	16.5%	150
M3968	3	14	56	13	2	0	12	0	750	11.8%	19.2%	0
M3969	3	14	53	13	5	0	12	0	750	11.7%	12.7%	0
M3970	3.5	14	55.5	13	2	0	12	0	800	9.9%	18.7%	50
M3971	3.5	14	52.5	13	5	0	12	0	750	10.1%	15.2%	50
M3972	4	14	55	13	2	0	12	0	800	8.2%	18.9%	100
M3973	4	14	52	13	5	0	12	0	750	8.6%	17.7%	150
M3974	3	14	55	13	2	0	13	0	750	12.7%	21.5%	0
M3975	3.5	14	56.5	13	0	0	13	0	800	10.3%	19.8%	50
M3976	3.5	14	53.5	13	3	0	13	0	750	10.9%	20.2%	50
M3977	4	14	56	13	0	0	13	0	800	8.5%	19.9%	50
M3978	4	14	53	13	3	0	13	0	750	9.1%	21.0%	100
M3979	3.5	14	55.5	13	0	0	14	0	800	11.2%	21.5%	50
M3980	3.5	14	52.5	13	3	0	14	0	750	11.8%	21.6%	100
M3981	4	14	55	13	0	0	14	0	800	9.2%	21.5%	100
M3982	4	14	52	13	3	0	14	0	750	9.8%	22.7%	100
M3983	3.5	14	54.5	13	0	0	15	0	800	12.1%	24.0%	50
M3984	3.5	14	51.5	13	3	0	15	0	750	12.6%	23.9%	100
M3985	4	14	54	13	0	0	15	0	800	10.0%	23.2%	100
M3986	4	14	51	13	3	0	15	0	750	10.7%	24.4%	150

M3987	3	14.5	59.5	13	0	0	10	0	800	10.0%	14.1%	-50
M3988	3.5	14.5	58	13	0	0	11	0	800	9.0%	15.9%	0
M3989	3.5	14.5	57	13	0	0	12	0	800	9.8%	17.7%	0
M3990	3.5	14.5	56	13	0	0	13	0	800	10.6%	19.4%	50
M3991	4	14.5	54.5	13	0	0	14	0	800	9.5%	21.2%	100
M3992	3	15	59	13	0	0	10	0	800	10.3%	13.8%	-50
M3993	3	15	56	13	3	0	10	0	750	10.8%	13.6%	-50
M3994	3.5	15	58.5	13	0	0	10	0	850	8.5%	13.8%	0
M3995	3.5	15	55.5	13	3	0	10	0	800	9.0%	14.7%	50
M3996	4	15	58	13	0	0	10	0	850	7.1%	14.0%	0
M3997	4	15	55	13	3	0	10	0	800	7.5%	14.9%	100
M3998	3	15	58	13	0	0	11	0	800	11.2%	15.6%	-50
M3999	3	15	55	13	3	0	11	0	750	11.6%	14.6%	0
M4000	3.5	15	57.5	13	0	0	11	0	800	9.3%	15.6%	0
M4001	3.5	15	54.5	13	3	0	11	0	750	9.8%	16.5%	50
M4002	4	15	57	13	0	0	11	0	850	7.7%	15.8%	50
M4003	4	15	54	13	3	0	11	0	800	8.2%	16.7%	100
M4004	3	15	57	13	0	0	12	0	800	12.1%	18.0%	-50
M4005	3	15	54	13	3	0	12	0	750	12.4%	18.0%	0
M4006	3.5	15	56.5	13	0	0	12	0	800	10.1%	17.4%	0
M4007	3.5	15	53.5	13	3	0	12	0	750	10.6%	17.9%	50
M4008	4	15	56	13	0	0	12	0	800	8.3%	17.5%	50
M4009	4	15	53	13	3	0	12	0	800	8.9%	18.5%	150
M4010	3	15	56	13	0	0	13	0	800	13.0%	20.2%	0
M4011	3.5	15	53.5	13	2	0	13	0	750	11.3%	19.8%	50
M4012	3.5	15	50.5	13	5	0	13	0	750	11.3%	14.3%	100
M4013	4	15	53	13	2	0	13	0	800	9.4%	19.9%	100
M4014	4	15	50	13	5	0	13	0	750	9.8%	17.3%	200
M4015	3.5	15	52.5	13	2	0	14	0	750	12.2%	22.7%	50
M4016	3.5	15	49.5	13	5	0	14	0	750	12.0%	16.8%	100
M4017	4	15	52	13	2	0	14	0	750	10.2%	21.6%	100
M4018	4	15	49	13	5	0	14	0	750	10.5%	18.0%	200
M4019	4	15	53	13	0	0	15	0	800	10.6%	22.5%	100
M4020	4	15	50	13	3	0	15	0	750	11.3%	23.0%	150
M4021	3	15.5	58.5	13	0	0	10	0	800	10.6%	13.4%	-50
M4022	3	15.5	57.5	13	0	0	11	0	800	11.5%	15.2%	-50
M4023	3	15.5	56.5	13	0	0	12	0	800	12.4%	18.2%	-50
M4024	3.5	15.5	55	13	0	0	13	0	800	11.2%	18.7%	0
M4025	4	15.5	53.5	13	0	0	14	0	800	10.1%	20.5%	50
M4026	3	16	58	13	0	0	10	0	800	10.9%	13.1%	-50
M4027	3	16	55	13	3	0	10	0	750	11.4%	12.3%	-50

M4028	3.5	16	57.5	13	0	0	10	0	800	9.1%	13.2%	-50
M4029	3.5	16	54.5	13	3	0	10	0	800	9.6%	14.0%	50
M4030	4	16	57	13	0	0	10	0	850	7.5%	13.4%	0
M4031	4	16	54	13	3	0	10	0	800	8.0%	14.2%	100
M4032	3	16	57	13	0	0	11	0	800	11.8%	15.0%	-50
M4033	3	16	54	13	3	0	11	0	750	12.2%	14.9%	-50
M4034	3.5	16	56.5	13	0	0	11	0	800	9.8%	14.9%	0
M4035	3.5	16	53.5	13	3	0	11	0	750	10.3%	15.5%	50
M4036	4	16	56	13	0	0	11	0	850	8.2%	15.1%	0
M4037	4	16	53	13	3	0	11	0	800	8.7%	16.0%	100
M4038	3	16	56	13	0	0	12	0	800	12.7%	18.3%	-50
M4039	3.5	16	55.5	13	0	0	12	0	800	10.6%	16.7%	0
M4040	3.5	16	52.5	13	3	0	12	0	750	11.2%	16.6%	50
M4041	4	16	55	13	0	0	12	0	800	8.8%	16.8%	50
M4042	4	16	52	13	3	0	12	0	800	9.4%	17.7%	150
M4043	3.5	16	54.5	13	0	0	13	0	800	11.5%	18.4%	0
M4044	3.5	16	51.5	13	3	0	13	0	750	12.0%	18.7%	50
M4045	4	16	54	13	0	0	13	0	800	9.6%	18.5%	50
M4046	4	16	51	13	3	0	13	0	750	10.2%	19.4%	150
M4047	3.5	16	53.5	13	0	0	14	0	800	12.4%	21.3%	0
M4048	3.5	16	48.5	13	5	0	14	0	750	12.4%	16.3%	150
M4049	4	16	51	13	2	0	14	0	750	10.8%	20.8%	150
M4050	4	16	48	13	5	0	14	0	750	10.9%	16.5%	200
M4051	4	16	51	13	1	0	15	0	750	11.4%	22.1%	100
M4052	4	16	48	13	4	0	15	0	750	11.8%	19.9%	200
M4053	4	16	51.8	13	0	0.2	15	0	800	11.2%	21.8%	100
M4054	3	12	56.4	13	0	0.6	15	0	800	12.9%	24.7%	50
M4055	4	16	51.2	13	0	0.8	15	0	800	11.1%	21.8%	100
M4056	3	12	55.8	13	0	1.2	15	0	800	12.8%	24.7%	50
M4057	4	16	50.6	13	0	1.4	15	0	800	11.0%	21.8%	100
M4058	3	12	55.2	13	0	1.8	15	0	800	12.8%	24.8%	50
M4059	4	16	50	13	0	2	15	0	800	10.8%	21.8%	100
M4060	3	12	54.6	13	0	2.4	15	0	800	12.7%	24.8%	50
M4061	4	16	49.4	13	0	2.6	15	0	800	11.0%	21.9%	100
M4062	4	16	48.8	13	0	3.2	15	0	800	10.9%	21.9%	100
M4063	4	16	48.2	13	0	3.8	15	0	800	10.8%	21.9%	100
M4064	4	16	41.4	13	0	10.6	15	0	750	9.8%	22.2%	200
M4065	4	16	40.8	13	0	11.2	15	0	750	9.8%	22.2%	200
M4066	3	12	45.4	13	0	11.6	15	0	750	11.8%	25.2%	100
M4067	4	16	40.2	13	0	11.8	15	0	750	9.7%	22.2%	200
M4068	3	12	44.8	13	0	12.2	15	0	750	11.8%	25.1%	100

M4069	4	16	39.6	13	0	12.4	15	0	750	9.6%	22.2%	200
M4070	3	12	44.2	13	0	12.8	15	0	750	11.7%	25.1%	100
M4071	4	16	39	13	0	13	15	0	750	9.6%	22.3%	200
M4072	3	12	43.6	13	0	13.4	15	0	750	11.7%	25.0%	100
M4073	4	16	38.4	13	0	13.6	15	0	750	9.5%	22.3%	200
M4074	3	12	43	13	0	14	15	0	750	11.7%	25.0%	100
M4075	4	16	51.8	13.2	0	0	15	0	800	11.2%	21.8%	100
M4076	3	12	56.4	13.2	0	0.4	15	0	800	12.9%	24.7%	50
M4077	4	16	51.2	13.2	0	0.6	15	0	800	11.1%	21.8%	100
M4078	3	12	55.8	13.2	0	1	15	0	800	12.9%	24.7%	50
M4079	4	16	50.6	13.2	0	1.2	15	0	800	11.0%	21.8%	100
M4080	3	12	55.2	13.2	0	1.6	15	0	800	12.8%	24.8%	50
M4081	4	16	50	13.2	0	1.8	15	0	800	10.9%	21.8%	100
M4082	3	12	54.6	13.2	0	2.2	15	0	800	12.7%	24.8%	50
M4083	4	16	49.4	13.2	0	2.4	15	0	800	10.8%	21.8%	100
M4084	4	16	48.8	13.2	0	3	15	0	800	10.9%	21.9%	100
M4085	4	16	48.2	13.2	0	3.6	15	0	750	10.8%	21.9%	100
M4086	4	16	41.2	13.2	0	10.6	15	0	750	9.8%	22.1%	200
M4087	4	16	40.6	13.2	0	11.2	15	0	750	9.7%	22.2%	200
M4088	3	12	45.2	13.2	0	11.6	15	0	750	11.8%	25.2%	100
M4089	4	16	40	13.2	0	11.8	15	0	750	9.7%	22.2%	200
M4090	3	12	44.6	13.2	0	12.2	15	0	750	11.8%	25.2%	100
M4091	4	16	39.4	13.2	0	12.4	15	0	750	9.6%	22.2%	200
M4092	3	12	44	13.2	0	12.8	15	0	750	11.7%	25.1%	100
M4093	4	16	38.8	13.2	0	13	15	0	750	9.6%	22.3%	200
M4094	3	12	43.4	13.2	0	13.4	15	0	750	11.7%	25.1%	100
M4095	4	16	38.2	13.2	0	13.6	15	0	750	9.5%	22.3%	200
M4096	3	12	42.8	13.2	0	14	15	0	750	11.7%	25.0%	100
M4097	4	16	51.6	13.4	0	0	15	0	800	11.2%	21.8%	100
M4098	4	16	51.4	13.4	0	0.2	15	0	800	11.2%	21.8%	100
M4099	3	12	56	13.4	0	0.6	15	0	800	12.9%	24.7%	50
M4100	4	16	50.8	13.4	0	0.8	15	0	800	11.1%	21.8%	100
M4101	3	12	55.4	13.4	0	1.2	15	0	800	12.8%	24.7%	50
M4102	4	16	50.2	13.4	0	1.4	15	0	800	11.0%	21.8%	100
M4103	3	12	54.8	13.4	0	1.8	15	0	800	12.8%	24.8%	50
M4104	4	16	49.6	13.4	0	2	15	0	800	10.9%	21.8%	100
M4105	3	12	54.2	13.4	0	2.4	15	0	800	12.7%	24.8%	50
M4106	4	16	48.8	13.4	0	2.8	15	0	750	10.7%	21.9%	100
M4107	4	16	48.2	13.4	0	3.4	15	0	750	10.8%	21.9%	100
M4108	4	16	41	13.4	0	10.6	15	0	750	9.8%	22.1%	200
M4109	4	16	40.4	13.4	0	11.2	15	0	750	9.7%	22.2%	200

M4110	3	12	45	13.4	0	11.6	15	0	750	11.8%	25.2%	100
M4111	4	16	39.8	13.4	0	11.8	15	0	750	9.7%	22.2%	200
M4112	3	12	44.4	13.4	0	12.2	15	0	750	11.8%	25.2%	100
M4113	4	16	39.2	13.4	0	12.4	15	0	750	9.6%	22.2%	200
M4114	3	12	43.8	13.4	0	12.8	15	0	750	11.7%	25.1%	100
M4115	4	16	38.6	13.4	0	13	15	0	750	9.6%	22.3%	200
M4116	3	12	43.2	13.4	0	13.4	15	0	750	11.7%	25.1%	100
M4117	4	16	38	13.4	0	13.6	15	0	750	9.5%	22.3%	200
M4118	3	12	42.6	13.4	0	14	15	0	750	11.7%	25.0%	100
M4119	3.5	12	61	13.5	0	0	10	0	850	7.1%	15.8%	0
M4120	3	12	59.5	13.5	0	0	12	0	800	10.3%	19.4%	0
M4121	3.5	12	58	13.5	0	0	13	0	800	9.2%	21.1%	50
M4122	3.5	12	57	13.5	0	0	14	0	800	10.0%	22.9%	50
M4123	3.5	12	56	13.5	0	0	15	0	750	10.8%	24.6%	100
M4124	3.5	12.5	60.5	13.5	0	0	10	0	850	7.3%	15.5%	0
M4125	3	12.5	59	13.5	0	0	12	0	800	10.6%	19.1%	0
M4126	3	12.5	58	13.5	0	0	13	0	800	11.4%	20.9%	0
M4127	3	12.5	57	13.5	0	0	14	0	800	12.4%	23.1%	0
M4128	3.5	12.5	55.5	13.5	0	0	15	0	750	11.2%	24.3%	50
M4129	3.5	13	60	13.5	0	0	10	0	850	7.6%	15.1%	0
M4130	3	13	58.5	13.5	0	0	12	0	800	10.9%	18.7%	0
M4131	3	13	57.5	13.5	0	0	13	0	800	11.8%	20.8%	0
M4132	3	13	56.5	13.5	0	0	14	0	800	12.7%	22.7%	0
M4133	3.5	13	55	13.5	0	0	15	0	750	11.5%	23.9%	50
M4134	3.5	13.5	59.5	13.5	0	0	10	0	800	7.8%	14.8%	0
M4135	4	13.5	58	13.5	0	0	11	0	850	7.0%	16.8%	50
M4136	4	13.5	57	13.5	0	0	12	0	800	7.6%	18.5%	50
M4137	4	13.5	56	13.5	0	0	13	0	800	8.3%	20.2%	100
M4138	4	13.5	55	13.5	0	0	14	0	800	9.0%	21.9%	100
M4139	3	14	59.5	13.5	0	0	10	0	800	9.8%	14.4%	-50
M4140	3.5	14	58	13.5	0	0	11	0	800	8.8%	16.3%	0
M4141	3.5	14	57	13.5	0	0	12	0	800	9.5%	18.0%	0
M4142	3.5	14	56	13.5	0	0	13	0	800	10.3%	19.8%	50
M4143	4	14	54.5	13.5	0	0	14	0	800	9.3%	21.5%	100
M4144	3	14.5	59	13.5	0	0	10	0	800	10.0%	14.1%	-50
M4145	3.5	14.5	57.5	13.5	0	0	11	0	800	9.0%	15.9%	0
M4146	3.5	14.5	56.5	13.5	0	0	12	0	800	9.8%	17.7%	0
M4147	3.5	14.5	55.5	13.5	0	0	13	0	800	10.6%	19.4%	50
M4148	4	14.5	54	13.5	0	0	14	0	800	9.5%	21.2%	100
M4149	3	15	58.5	13.5	0	0	10	0	800	10.3%	13.8%	-50
M4150	3	15	57.5	13.5	0	0	11	0	800	11.2%	15.6%	-50

M4151	3	15	56.5	13.5	0	0	12	0	800	12.1%	18.1%	-50
M4152	3	15	55.5	13.5	0	0	13	0	800	13.0%	20.2%	0
M4153	3.5	15	54	13.5	0	0	14	0	750	11.8%	21.1%	50
M4154	4	15	52.5	13.5	0	0	15	0	800	10.6%	22.5%	100
M4155	4	15.5	57	13.5	0	0	10	0	850	7.3%	13.7%	0
M4156	4	15.5	56	13.5	0	0	11	0	850	7.9%	15.4%	50
M4157	4	15.5	55	13.5	0	0	12	0	800	8.6%	17.1%	50
M4158	3.5	15.5	53.5	13.5	0	0	14	0	800	12.1%	21.3%	50
M4159	4	15.5	52	13.5	0	0	15	0	800	10.9%	22.1%	100
M4160	4	16	56.5	13.5	0	0	10	0	850	7.6%	13.4%	0
M4161	4	16	55.5	13.5	0	0	11	0	850	8.2%	15.1%	0
M4162	4	16	54.5	13.5	0	0	12	0	800	8.9%	16.8%	50
M4163	3.5	16	53	13.5	0	0	14	0	800	12.4%	21.5%	50
M4164	3	12	56.4	13.6	0	0	15	0	800	13.0%	24.7%	50
M4165	4	16	51.2	13.6	0	0.2	15	0	800	11.2%	21.8%	100
M4166	3	12	55.8	13.6	0	0.6	15	0	800	12.9%	24.7%	50
M4167	4	16	50.6	13.6	0	0.8	15	0	750	11.1%	21.8%	100
M4168	3	12	55.2	13.6	0	1.2	15	0	800	12.9%	24.7%	50
M4169	4	16	50	13.6	0	1.4	15	0	750	11.0%	21.8%	100
M4170	3	12	54.6	13.6	0	1.8	15	0	800	12.8%	24.8%	50
M4171	4	16	49.4	13.6	0	2	15	0	750	10.9%	21.8%	100
M4172	4	16	49	13.6	0	2.4	15	0	750	10.8%	21.8%	100
M4173	4	16	48.4	13.6	0	3	15	0	750	10.9%	21.9%	100
M4174	4	16	47.8	13.6	0	3.6	15	0	750	10.8%	21.9%	100
M4175	4	16	40.6	13.6	0	10.8	15	0	750	9.8%	22.1%	200
M4176	3	12	45	13.6	0	11.4	15	0	750	11.8%	25.2%	100
M4177	4	16	39.8	13.6	0	11.6	15	0	750	9.7%	22.2%	200
M4178	3	12	44.4	13.6	0	12	15	0	750	11.8%	25.2%	100
M4179	4	16	39.2	13.6	0	12.2	15	0	750	9.6%	22.2%	200
M4180	3	12	43.8	13.6	0	12.6	15	0	750	11.7%	25.2%	100
M4181	4	16	38.6	13.6	0	12.8	15	0	750	9.6%	22.2%	200
M4182	3	12	43.2	13.6	0	13.2	15	0	750	11.7%	25.1%	100
M4183	4	16	38	13.6	0	13.4	15	0	750	9.5%	22.3%	200
M4184	3	12	42.6	13.6	0	13.8	15	0	750	11.7%	25.1%	100
M4185	4	16	37.4	13.6	0	14	15	0	750	9.5%	22.3%	200
M4186	4	16	51.2	13.8	0	0	15	0	750	11.3%	21.8%	100
M4187	3	12	55.8	13.8	0	0.4	15	0	800	13.0%	24.7%	50
M4188	4	16	50.6	13.8	0	0.6	15	0	750	11.1%	21.8%	100
M4189	3	12	55.2	13.8	0	1	15	0	800	12.9%	24.7%	50
M4190	4	16	50	13.8	0	1.2	15	0	750	11.0%	21.8%	100
M4191	3	12	54.6	13.8	0	1.6	15	0	800	12.8%	24.7%	50

M4192	4	16	49.4	13.8	0	1.8	15	0	750	10.9%	21.8%	100
M4193	3	12	54	13.8	0	2.2	15	0	800	12.7%	24.8%	50
M4194	4	16	48.6	13.8	0	2.6	15	0	750	10.8%	21.8%	100
M4195	4	16	48	13.8	0	3.2	15	0	750	10.9%	21.9%	100
M4196	4	16	40.6	13.8	0	10.6	15	0	750	9.8%	22.1%	200
M4197	4	16	40	13.8	0	11.2	15	0	750	9.7%	22.1%	200
M4198	4	16	39.6	13.8	0	11.6	15	0	750	9.7%	22.2%	200
M4199	3	12	44.2	13.8	0	12	15	0	750	11.8%	25.2%	100
M4200	4	16	39	13.8	0	12.2	15	0	750	9.6%	22.2%	200
M4201	3	12	43.6	13.8	0	12.6	15	0	750	11.7%	25.2%	100
M4202	4	16	38.4	13.8	0	12.8	15	0	750	9.6%	22.2%	200
M4203	3	12	43	13.8	0	13.2	15	0	750	11.7%	25.2%	100
M4204	4	16	37.8	13.8	0	13.4	15	0	750	9.5%	22.3%	200
M4205	3	12	42.4	13.8	0	13.8	15	0	750	11.7%	25.1%	100
M4206	4	16	37.2	13.8	0	14	15	0	750	9.5%	22.3%	200
M4207	3.75	8	54.25	14	0	0	20	0	750	9.2%	32.7%	200
M4208	4	11	51	14	0	0	20	0	800	12.6%	33.3%	200
M4209	2.2	12	61.8	14	0	0	10	0	800	11.8%	16.3%	-50
M4210	2.2	12	57.8	14	4	0	10	0	750	12.0%	11.6%	-50
M4211	2.3	12	59.7	14	0	0	10	2	800	11.2%	16.3%	-50
M4212	2.3	12	57.7	14	2	0	10	2	750	11.4%	16.6%	-50
M4213	2.3	12	55.7	14	6	0	10	0	750	11.4%	6.8%	0
M4214	2.4	12	59.6	14	0	0	10	2	800	10.9%	16.6%	-50
M4215	2.4	12	57.6	14	2	0	10	2	750	11.1%	17.2%	-50
M4216	2.4	12	55.6	14	6	0	10	0	750	11.1%	7.5%	0
M4217	2.5	12	61.5	14	0	0	10	0	800	10.6%	15.8%	-50
M4218	2.5	12	55.5	14	0	0	10	6	750	9.7%	16.6%	-50
M4219	2.5	12	55.5	14	2	0	10	4	750	10.4%	17.0%	-50
M4220	2.5	12	53.5	14	4	0	10	4	750	10.5%	11.7%	0
M4221	2.5	12	51.5	14	6	0	10	4	750	10.6%	6.4%	0
M4222	2.6	12	57.4	14	0	0	10	4	750	9.9%	17.0%	-50
M4223	2.6	12	57.4	14	2	0	10	2	750	10.7%	17.7%	-50
M4224	2.6	12	55.4	14	4	0	10	2	750	10.6%	13.9%	0
M4225	2.6	12	55.4	14	6	0	10	0	750	10.5%	8.9%	0
M4226	2.6	12	49.4	14	6	0	10	6	700	10.0%	5.9%	50
M4227	2.7	12	57.3	14	0	0	10	4	750	9.6%	17.3%	-50
M4228	2.7	12	59.3	14	2	0	10	0	750	10.1%	16.4%	-50
M4229	2.7	12	53.3	14	2	0	10	6	750	9.5%	17.5%	0
M4230	2.7	12	53.3	14	4	0	10	4	750	10.1%	13.6%	0
M4231	2.7	12	53.3	14	6	0	10	2	750	10.2%	9.9%	0
M4232	2.7	12	53.3	14	8	0	10	0	750	10.1%	5.3%	50

M4233	2.8	12	59.2	14	0	0	10	2	800	9.6%	16.7%	-50
M4234	2.8	12	53.2	14	0	0	10	8	750	8.7%	17.6%	0
M4235	2.8	12	57.2	14	2	0	10	2	750	9.9%	17.6%	0
M4236	2.8	12	57.2	14	4	0	10	0	750	9.9%	14.3%	0
M4237	2.8	12	51.2	14	4	0	10	6	700	9.5%	13.3%	0
M4238	2.8	12	53.2	14	6	0	10	2	750	9.9%	9.9%	50
M4239	2.8	12	47.2	14	6	0	10	8	700	9.4%	6.8%	100
M4240	2.8	12	49.2	14	8	0	10	4	700	9.9%	5.4%	100
M4241	2.9	12	57.1	14	0	0	10	4	800	9.2%	17.8%	0
M4242	2.9	12	51.1	14	0	0	10	10	750	8.3%	18.1%	0
M4243	2.9	12	55.1	14	2	0	10	4	750	9.5%	18.6%	0
M4244	2.9	12	57.1	14	4	0	10	0	750	9.6%	14.7%	0
M4245	2.9	12	51.1	14	4	0	10	6	700	9.3%	14.2%	50
M4246	2.9	12	55.1	14	6	0	10	0	750	9.6%	10.9%	0
M4247	2.9	12	49.1	14	6	0	10	6	700	9.5%	9.6%	50
M4248	2.9	12	53.1	14	8	0	10	0	750	9.6%	6.9%	50
M4249	3	12	61	14	0	0	10	0	800	8.7%	15.7%	-50
M4250	3	12	55	14	0	0	10	6	800	8.6%	18.1%	0
M4251	3	12	60	14	1	0	10	0	800	8.9%	16.0%	0
M4252	3	12	55	14	2	0	10	4	750	9.2%	18.8%	0
M4253	3	12	49	14	2	0	10	10	750	8.4%	18.5%	50
M4254	3	12	55	14	4	0	10	2	750	9.4%	14.6%	0
M4255	3	12	49	14	4	0	10	8	700	8.9%	14.0%	50
M4256	3	12	55	14	6	0	10	0	750	9.3%	11.4%	0
M4257	3	12	49	14	6	0	10	6	700	9.3%	10.7%	100
M4258	3	12	53	14	8	0	10	0	750	9.3%	7.6%	50
M4259	3	12	47	14	8	0	10	6	700	9.3%	6.2%	150
M4260	3.1	12	56.9	14	0	0	10	4	800	8.7%	17.7%	0
M4261	3.1	12	50.9	14	0	0	10	10	750	7.9%	18.7%	50
M4262	3.1	12	54.9	14	2	0	10	4	750	9.0%	18.6%	0
M4263	3.1	12	48.9	14	2	0	10	10	750	8.2%	19.1%	50
M4264	3.1	12	52.9	14	4	0	10	4	750	9.1%	15.8%	50
M4265	3.1	12	46.9	14	4	0	10	10	700	8.5%	13.6%	100
M4266	3.1	12	50.9	14	6	0	10	4	700	9.1%	11.5%	50
M4267	3.1	12	44.9	14	6	0	10	10	700	8.7%	8.9%	150
M4268	3.1	12	48.9	14	8	0	10	4	700	9.1%	6.9%	100
M4269	3.2	12	60.8	14	0	0	10	0	800	8.0%	15.7%	0
M4270	3.2	12	54.8	14	0	0	10	6	800	8.2%	18.6%	0
M4271	3.2	12	58.8	14	2	0	10	0	800	8.3%	16.4%	0
M4272	3.2	12	52.8	14	2	0	10	6	750	8.5%	19.6%	50
M4273	3.2	12	56.8	14	4	0	10	0	750	8.6%	15.9%	0

M4274	3.2	12	50.8	14	4	0	10	6	750	8.8%	16.7%	50
M4275	3.2	12	54.8	14	6	0	10	0	750	8.7%	12.5%	50
M4276	3.2	12	48.8	14	6	0	10	6	700	8.8%	12.5%	100
M4277	3.2	12	52.8	14	8	0	10	0	750	8.7%	8.9%	100
M4278	3.2	12	46.8	14	8	0	10	6	700	8.8%	8.0%	150
M4279	3.2	12	50.8	14	10	0	10	0	750	8.8%	5.3%	150
M4280	3.3	12	56.7	14	0	0	10	4	800	8.1%	17.4%	0
M4281	3.3	12	50.7	14	0	0	10	10	750	7.6%	19.3%	50
M4282	3.3	12	54.7	14	2	0	10	4	750	8.4%	18.2%	50
M4283	3.3	12	48.7	14	2	0	10	10	750	7.8%	20.0%	150
M4284	3.3	12	52.7	14	4	0	10	4	750	8.5%	16.0%	50
M4285	3.3	12	46.7	14	4	0	10	10	750	8.1%	15.5%	150
M4286	3.3	12	50.7	14	6	0	10	4	700	8.5%	11.6%	100
M4287	3.3	12	44.7	14	6	0	10	10	700	8.4%	11.2%	200
M4288	3.3	12	48.7	14	8	0	10	4	700	8.6%	7.5%	150
M4289	3.3	12	42.7	14	8	0	10	10	700	8.4%	6.7%	200
M4290	3.4	12	58.6	14	0	0	10	2	800	7.6%	16.4%	0
M4291	3.4	12	52.6	14	0	0	10	8	800	7.6%	19.3%	50
M4292	3.4	12	56.6	14	2	0	10	2	800	7.9%	17.2%	50
M4293	3.4	12	50.6	14	2	0	10	8	750	7.9%	20.4%	100
M4294	3.4	12	54.6	14	4	0	10	2	750	8.2%	16.4%	50
M4295	3.4	12	48.6	14	4	0	10	8	750	8.2%	17.3%	150
M4296	3.4	12	52.6	14	6	0	10	2	750	8.2%	12.9%	100
M4297	3.4	12	46.6	14	6	0	10	8	700	8.4%	13.3%	200
M4298	3.4	12	50.6	14	8	0	10	2	700	8.3%	9.3%	150
M4299	3.4	12	50.6	14	10	0	10	0	750	8.3%	6.7%	150
M4300	3.5	12	58.5	14	0	0	10	2	800	7.3%	16.5%	0
M4301	3.5	12	50.5	14	0	0	10	10	800	7.3%	19.9%	100
M4302	3.5	12	56.5	14	2	0	10	2	800	7.6%	17.2%	50
M4303	3.5	12	50.5	14	2	0	10	8	750	7.7%	20.6%	150
M4304	3.5	12	56.5	14	4	0	10	0	750	7.7%	17.0%	50
M4305	3.5	12	50.5	14	4	0	10	6	750	8.0%	16.9%	150
M4306	3.5	12	55.5	14	5	0	10	0	750	7.8%	15.5%	50
M4307	3.5	12	50.5	14	6	0	10	4	750	8.0%	12.7%	150
M4308	3.5	12	44.5	14	6	0	10	10	750	8.1%	13.1%	200
M4309	3.5	12	48.5	14	8	0	10	4	700	8.1%	9.0%	200
M4310	3.6	12	56.4	14	0	0	10	4	800	7.2%	17.3%	50
M4311	3.6	12	50.4	14	0	0	10	10	800	7.1%	20.1%	150
M4312	3.6	12	54.4	14	2	0	10	4	800	7.5%	18.0%	50
M4313	3.6	12	48.4	14	2	0	10	10	750	7.4%	21.2%	150
M4314	3.6	12	52.4	14	4	0	10	4	750	7.7%	16.8%	150

M4315	3.6	12	46.4	14	4	0	10	10	750	7.7%	17.9%	200
M4316	3.6	12	50.4	14	6	0	10	4	750	7.8%	13.3%	150
M4317	3.6	12	44.4	14	6	0	10	10	750	7.9%	14.0%	200
M4318	3.6	12	48.4	14	8	0	10	4	700	7.8%	9.7%	200
M4319	3.7	12	52.3	14	0	0	10	8	800	7.1%	19.5%	150
M4320	3.7	12	52.3	14	2	0	10	6	800	7.3%	19.1%	150
M4321	3.7	12	56.3	14	4	0	10	0	750	7.2%	17.2%	50
M4322	3.7	12	50.3	14	4	0	10	6	750	7.5%	17.1%	150
M4323	3.7	12	54.3	14	6	0	10	0	750	7.3%	14.8%	150
M4324	3.7	12	48.3	14	6	0	10	6	750	7.6%	13.1%	200
M4325	3.7	12	50.3	14	8	0	10	2	750	7.5%	11.2%	200
M4326	3.8	12	52.2	14	2	0	10	6	800	7.1%	19.0%	150
M4327	3.8	12	54.2	14	4	0	10	2	750	7.0%	17.9%	150
M4328	3.8	12	48.2	14	4	0	10	8	750	7.3%	17.8%	200
M4329	3.8	12	52.2	14	6	0	10	2	750	7.2%	14.9%	150
M4330	3.8	12	46.2	14	6	0	10	8	750	7.4%	13.6%	200
M4331	3.8	12	48.2	14	8	0	10	4	750	7.3%	11.1%	200
M4332	3.9	12	50.1	14	6	0	10	4	750	7.0%	14.9%	200
M4333	3	12	60	14	0	0	11	0	800	9.5%	17.5%	0
M4334	3	12	57	14	3	0	11	0	750	10.0%	18.3%	0
M4335	3.5	12	59.5	14	0	0	11	0	800	7.8%	17.6%	0
M4336	3.5	12	56.5	14	3	0	11	0	750	8.3%	18.7%	50
M4337	4	12	54	14	5	0	11	0	750	7.1%	18.8%	200
M4338	3	12	57	14	2	0	12	0	750	10.6%	20.1%	0
M4339	3	12	54	14	5	0	12	0	750	10.7%	15.1%	50
M4340	3.5	12	56.5	14	2	0	12	0	750	8.8%	20.1%	50
M4341	3.5	12	53.5	14	5	0	12	0	750	9.2%	17.9%	100
M4342	4	12	55	14	3	0	12	0	750	7.4%	20.6%	100
M4343	3	12	58	14	0	0	13	0	750	11.2%	21.2%	0
M4344	3	12	55	14	3	0	13	0	750	11.7%	21.0%	50
M4345	3.5	12	57.5	14	0	0	13	0	800	9.2%	21.1%	50
M4346	3.5	12	54.5	14	3	0	13	0	750	9.8%	22.3%	100
M4347	4	12	57	14	0	0	13	0	800	7.6%	21.2%	100
M4348	4	12	54	14	3	0	13	0	750	8.1%	22.4%	150
M4349	3	12	57	14	0	0	14	0	800	12.1%	23.4%	0
M4350	3	12	54	14	3	0	14	0	750	12.5%	21.8%	50
M4351	3.5	12	55.5	14	1	0	14	0	750	10.2%	23.3%	100
M4352	3.5	12	52.5	14	4	0	14	0	750	10.7%	21.6%	100
M4353	4	12	55	14	1	0	14	0	800	8.4%	23.3%	100
M4354	4	12	52	14	4	0	14	0	750	9.0%	24.0%	150
M4355	3	12	56	14	0	0	15	0	800	13.0%	24.6%	50

M4356	3.5	12	53.5	14	2	0	15	0	750	11.3%	25.5%	100
M4357	3.5	12	50.5	14	5	0	15	0	750	11.3%	20.0%	150
M4358	4	12	53	14	2	0	15	0	750	9.4%	25.4%	150
M4359	4	12	50	14	5	0	15	0	700	9.8%	23.1%	200
M4360	3	12.5	59.5	14	0	0	11	0	800	9.7%	17.2%	0
M4361	3.5	12.5	58	14	0	0	12	0	800	8.7%	19.0%	50
M4362	3.5	12.5	57	14	0	0	13	0	800	9.5%	20.8%	50
M4363	3.5	12.5	56	14	0	0	14	0	750	10.3%	22.5%	50
M4364	4	12.5	54.5	14	0	0	15	0	800	9.2%	24.2%	100
M4365	3	13	58	14	2	0	10	0	750	9.6%	15.7%	0
M4366	3	13	55	14	5	0	10	0	750	9.8%	11.9%	0
M4367	3.5	13	57.5	14	2	0	10	0	800	7.9%	15.8%	0
M4368	3.5	13	54.5	14	5	0	10	0	750	8.3%	14.3%	50
M4369	3	13	57	14	2	0	11	0	750	10.4%	17.6%	0
M4370	3	13	54	14	5	0	11	0	750	10.5%	12.8%	0
M4371	3.5	13	56.5	14	2	0	11	0	800	8.6%	17.6%	50
M4372	3.5	13	53.5	14	5	0	11	0	750	9.0%	15.4%	50
M4373	4	13	54	14	4	0	11	0	750	7.4%	18.5%	150
M4374	3	13	57	14	1	0	12	0	750	11.1%	19.1%	0
M4375	3	13	54	14	4	0	12	0	750	11.3%	15.8%	0
M4376	3.5	13	56.5	14	1	0	12	0	800	9.2%	19.1%	50
M4377	3.5	13	53.5	14	4	0	12	0	750	9.7%	18.3%	50
M4378	4	13	56	14	1	0	12	0	800	7.6%	19.2%	100
M4379	4	13	53	14	4	0	12	0	750	8.1%	20.3%	150
M4380	3	13	56	14	1	0	13	0	750	12.0%	21.7%	0
M4381	3	13	53	14	4	0	13	0	750	12.1%	17.9%	50
M4382	3.5	13	55.5	14	1	0	13	0	750	10.0%	20.8%	50
M4383	3.5	13	52.5	14	4	0	13	0	750	10.4%	19.3%	100
M4384	4	13	55	14	1	0	13	0	800	8.2%	20.9%	100
M4385	4	13	52	14	4	0	13	0	750	8.8%	21.6%	150
M4386	3	13	55	14	1	0	14	0	800	12.9%	23.0%	0
M4387	3.5	13	53.5	14	2	0	14	0	750	11.0%	23.0%	100
M4388	3.5	13	50.5	14	5	0	14	0	750	11.1%	17.9%	100
M4389	4	13	53	14	2	0	14	0	750	9.1%	23.0%	150
M4390	4	13	50	14	5	0	14	0	700	9.5%	20.8%	150
M4391	3.5	13	52.5	14	2	0	15	0	750	11.9%	25.6%	100
M4392	3.5	13	49.5	14	5	0	15	0	750	11.8%	19.9%	150
M4393	4	13	52	14	2	0	15	0	750	9.9%	24.7%	150
M4394	4	13	49	14	5	0	15	0	700	10.3%	21.6%	200
M4395	3	13.5	58.5	14	0	0	11	0	800	10.3%	16.6%	-50
M4396	3	13.5	57.5	14	0	0	12	0	750	11.2%	18.4%	0

M4397	3	13.5	56.5	14	0	0	13	0	800	12.1%	21.1%	0
M4398	3	13.5	55.5	14	0	0	14	0	800	13.0%	22.4%	0
M4399	3.5	13.5	54	14	0	0	15	0	750	11.8%	24.0%	50
M4400	3	14	58	14	1	0	10	0	800	10.0%	14.7%	-50
M4401	3	14	55	14	4	0	10	0	750	10.3%	12.6%	0
M4402	3.5	14	57.5	14	1	0	10	0	800	8.3%	14.8%	0
M4403	3.5	14	54.5	14	4	0	10	0	750	8.7%	14.7%	100
M4404	4	14	54	14	4	0	10	0	800	7.3%	15.9%	150
M4405	3	14	57	14	1	0	11	0	750	10.8%	16.6%	-50
M4406	3	14	54	14	4	0	11	0	750	11.1%	13.6%	0
M4407	3.5	14	56.5	14	1	0	11	0	800	9.0%	16.6%	0
M4408	3.5	14	53.5	14	4	0	11	0	750	9.4%	15.9%	50
M4409	4	14	56	14	1	0	11	0	800	7.4%	16.7%	100
M4410	4	14	53	14	4	0	11	0	750	7.9%	17.7%	150
M4411	3	14	56	14	1	0	12	0	750	11.7%	18.6%	0
M4412	3	14	53	14	4	0	12	0	750	11.8%	15.4%	0
M4413	3.5	14	55.5	14	1	0	12	0	800	9.7%	18.4%	50
M4414	3.5	14	52.5	14	4	0	12	0	750	10.2%	17.0%	50
M4415	4	14	55	14	1	0	12	0	800	8.1%	18.5%	50
M4416	4	14	52	14	4	0	12	0	750	8.6%	19.2%	150
M4417	3	14	55	14	1	0	13	0	750	12.6%	21.1%	0
M4418	3.5	14	55.5	14	0	0	13	0	800	10.3%	19.8%	50
M4419	3.5	14	52.5	14	3	0	13	0	750	10.9%	20.1%	50
M4420	4	14	55	14	0	0	13	0	800	8.6%	19.8%	50
M4421	4	14	52	14	3	0	13	0	750	9.1%	20.9%	150
M4422	3.5	14	54.5	14	0	0	14	0	750	11.2%	21.5%	50
M4423	3.5	14	51.5	14	3	0	14	0	750	11.8%	21.8%	100
M4424	4	14	54	14	0	0	14	0	800	9.3%	21.5%	100
M4425	4	14	51	14	3	0	14	0	750	9.9%	22.6%	150
M4426	3.5	14	53.5	14	0	0	15	0	750	12.1%	24.2%	50
M4427	3.5	14	50.5	14	3	0	15	0	750	12.6%	23.7%	100
M4428	4	14	53	14	0	0	15	0	800	10.1%	23.2%	100
M4429	4	14	50	14	3	0	15	0	750	10.7%	24.3%	150
M4430	3	14.5	58.5	14	0	0	10	0	800	10.1%	14.1%	-50
M4431	3.5	14.5	57	14	0	0	11	0	800	9.1%	15.9%	0
M4432	3.5	14.5	56	14	0	0	12	0	800	9.8%	17.7%	0
M4433	3.5	14.5	55	14	0	0	13	0	800	10.6%	19.4%	50
M4434	4	14.5	53.5	14	0	0	14	0	800	9.6%	21.2%	100
M4435	3	15	58	14	0	0	10	0	800	10.4%	13.8%	-50
M4436	3	15	55	14	3	0	10	0	750	10.8%	13.5%	-50
M4437	3.5	15	57.5	14	0	0	10	0	800	8.6%	13.8%	0

M4438	3.5	15	54.5	14	3	0	10	0	750	9.1%	14.7%	50
M4439	4	15	57	14	0	0	10	0	850	7.1%	14.0%	50
M4440	4	15	54	14	3	0	10	0	800	7.6%	14.9%	100
M4441	3	15	57	14	0	0	11	0	800	11.2%	15.6%	-50
M4442	3	15	54	14	3	0	11	0	750	11.7%	14.8%	0
M4443	3.5	15	56.5	14	0	0	11	0	800	9.3%	15.6%	0
M4444	3.5	15	53.5	14	3	0	11	0	750	9.8%	16.5%	100
M4445	4	15	56	14	0	0	11	0	800	7.7%	15.7%	50
M4446	4	15	53	14	3	0	11	0	800	8.2%	16.7%	100
M4447	3	15	56	14	0	0	12	0	800	12.1%	18.2%	-50
M4448	3	15	53	14	3	0	12	0	750	12.5%	17.9%	0
M4449	3.5	15	55.5	14	0	0	12	0	800	10.1%	17.3%	0
M4450	3.5	15	52.5	14	3	0	12	0	750	10.7%	17.8%	50
M4451	4	15	55	14	0	0	12	0	800	8.4%	17.5%	50
M4452	4	15	52	14	3	0	12	0	750	8.9%	18.4%	150
M4453	3	15	55	14	0	0	13	0	800	13.0%	20.2%	0
M4454	3.5	15	52.5	14	2	0	13	0	750	11.3%	19.7%	50
M4455	3.5	15	49.5	14	5	0	13	0	700	11.3%	14.1%	150
M4456	4	15	52	14	2	0	13	0	750	9.5%	19.8%	150
M4457	4	15	49	14	5	0	13	0	700	9.8%	17.1%	200
M4458	3.5	15	51.5	14	2	0	14	0	750	12.2%	22.9%	50
M4459	3.5	15	48.5	14	5	0	14	0	700	12.0%	16.9%	100
M4460	4	15	51	14	2	0	14	0	750	10.3%	21.5%	150
M4461	4	15	48	14	5	0	14	0	700	10.5%	17.9%	200
M4462	4	15	51	14	1	0	15	0	750	10.9%	22.8%	100
M4463	4	15	48	14	4	0	15	0	700	11.3%	20.6%	200
M4464	3.5	15.5	57	14	0	0	10	0	800	8.9%	13.5%	0
M4465	3.5	15.5	56	14	0	0	11	0	800	9.6%	15.2%	0
M4466	3.5	15.5	55	14	0	0	12	0	800	10.4%	17.0%	0
M4467	4	15.5	53.5	14	0	0	13	0	800	9.4%	18.8%	100
M4468	3.5	15.5	52	14	0	0	15	0	800	13.1%	23.4%	50
M4469	3	16	56	14	1	0	10	0	750	11.1%	13.4%	-50
M4470	3	16	53	14	4	0	10	0	750	11.3%	9.8%	0
M4471	3.5	16	55.5	14	1	0	10	0	800	9.3%	13.4%	50
M4472	3.5	16	52.5	14	4	0	10	0	750	9.7%	12.3%	50
M4473	4	16	55	14	1	0	10	0	800	7.7%	13.6%	50
M4474	4	16	52	14	4	0	10	0	750	8.2%	14.3%	100
M4475	3	16	55	14	1	0	11	0	750	12.0%	15.9%	-50
M4476	3	16	52	14	4	0	11	0	750	12.0%	12.4%	50
M4477	3.5	16	54.5	14	1	0	11	0	800	10.0%	15.2%	50
M4478	3.5	16	51.5	14	4	0	11	0	750	10.4%	13.3%	100

M4479	4	16	54	14	1	0	11	0	800	8.4%	15.4%	100
M4480	4	16	51	14	4	0	11	0	750	8.9%	15.6%	150
M4481	3	16	54	14	1	0	12	0	750	12.9%	18.6%	-50
M4482	3.5	16	53.5	14	1	0	12	0	750	10.9%	17.0%	0
M4483	3.5	16	50.5	14	4	0	12	0	750	11.2%	14.2%	100
M4484	4	16	53	14	1	0	12	0	800	9.1%	17.1%	100
M4485	4	16	50	14	4	0	12	0	750	9.6%	16.7%	150
M4486	3.5	16	52.5	14	1	0	13	0	750	11.7%	19.0%	50
M4487	3.5	16	49.5	14	4	0	13	0	700	11.9%	16.3%	100
M4488	4	16	52	14	1	0	13	0	800	9.8%	18.8%	100
M4489	4	16	49	14	4	0	13	0	750	10.3%	17.7%	150
M4490	3.5	16	51.5	14	1	0	14	0	750	12.6%	22.3%	50
M4491	4	16	51	14	1	0	14	0	750	10.6%	20.5%	150
M4492	4	16	48	14	4	0	14	0	700	11.0%	18.5%	150
M4493	4	16	51	14	0	0	15	0	750	11.3%	21.8%	100
M4494	4	16	48	14	3	0	15	0	750	11.9%	22.5%	150
M4495	3.9	16.1	50.4	14	0	0	15.6	0	750	12.3%	24.0%	100
M4496	3	12	55.6	14	0	0.4	15	0	800	13.0%	24.7%	50
M4497	4	16	50.4	14	0	0.6	15	0	750	11.1%	21.8%	100
M4498	3	12	55	14	0	1	15	0	800	12.9%	24.7%	50
M4499	4	16	49.8	14	0	1.2	15	0	750	11.0%	21.8%	100
M4500	3	12	54.4	14	0	1.6	15	0	800	12.8%	24.7%	50
M4501	4	16	49.2	14	0	1.8	15	0	750	10.9%	21.8%	100
M4502	3	12	53.8	14	0	2.2	15	0	800	12.7%	24.8%	50
M4503	4	16	48.4	14	0	2.6	15	0	750	10.8%	21.8%	100
M4504	4	16	47.8	14	0	3.2	15	0	750	10.7%	21.8%	100
M4505	4	16	40.4	14	0	10.6	15	0	750	9.8%	22.1%	200
M4506	4	16	39.8	14	0	11.2	15	0	750	9.7%	22.1%	200
M4507	4	16	39.4	14	0	11.6	15	0	750	9.7%	22.2%	200
M4508	3	12	44	14	0	12	15	0	750	11.8%	25.2%	100
M4509	4	16	38.8	14	0	12.2	15	0	750	9.6%	22.2%	200
M4510	3	12	43.4	14	0	12.6	15	0	750	11.7%	25.2%	100
M4511	4	16	38.2	14	0	12.8	15	0	750	9.6%	22.2%	200
M4512	3	12	42.8	14	0	13.2	15	0	750	11.7%	25.2%	100
M4513	4	16	37.6	14	0	13.4	15	0	750	9.5%	22.3%	200
M4514	3	12	42.2	14	0	13.8	15	0	750	11.7%	25.1%	100
M4515	4	16	37	14	0	14	15	0	750	9.4%	22.3%	200
M4516	3	12	59.5	14.5	0	0	11	0	800	9.5%	17.5%	0
M4517	3.5	12	58	14.5	0	0	12	0	800	8.5%	19.3%	50
M4518	4	12	56.5	14.5	0	0	13	0	800	7.6%	21.2%	100
M4519	4	12	55.5	14.5	0	0	14	0	800	8.2%	22.9%	100

M4520	4	12	54.5	14.5	0	0	15	0	800	9.0%	24.6%	150
M4521	3	12.5	59	14.5	0	0	11	0	800	9.8%	17.2%	0
M4522	3.5	12.5	57.5	14.5	0	0	12	0	800	8.7%	19.0%	50
M4523	3.5	12.5	56.5	14.5	0	0	13	0	800	9.5%	20.8%	50
M4524	3.5	12.5	55.5	14.5	0	0	14	0	750	10.3%	22.5%	50
M4525	4	12.5	54	14.5	0	0	15	0	750	9.3%	24.2%	100
M4526	3	13	58.5	14.5	0	0	11	0	800	10.0%	16.9%	-50
M4527	3.5	13	57	14.5	0	0	12	0	800	9.0%	18.7%	50
M4528	3.5	13	56	14.5	0	0	13	0	800	9.8%	20.4%	50
M4529	3.5	13	55	14.5	0	0	14	0	750	10.6%	22.2%	50
M4530	4	13	53.5	14.5	0	0	15	0	750	9.5%	23.9%	100
M4531	3	13.5	58	14.5	0	0	11	0	800	10.3%	16.6%	-50
M4532	3	13.5	57	14.5	0	0	12	0	750	11.2%	18.4%	0
M4533	3	13.5	56	14.5	0	0	13	0	750	12.1%	21.1%	0
M4534	3	13.5	55	14.5	0	0	14	0	800	13.0%	22.4%	0
M4535	3.5	13.5	53.5	14.5	0	0	15	0	750	11.8%	24.2%	50
M4536	3.5	14	58	14.5	0	0	10	0	800	8.1%	14.5%	0
M4537	4	14	56.5	14.5	0	0	11	0	800	7.3%	16.4%	100
M4538	4	14	55.5	14.5	0	0	12	0	800	7.9%	18.1%	50
M4539	4	14	54.5	14.5	0	0	13	0	800	8.6%	19.8%	100
M4540	3.5	14	53	14.5	0	0	15	0	750	12.1%	24.3%	50
M4541	3.5	14.5	57.5	14.5	0	0	10	0	800	8.4%	14.1%	0
M4542	4	14.5	56	14.5	0	0	11	0	800	7.5%	16.1%	100
M4543	4	14.5	55	14.5	0	0	12	0	800	8.2%	17.8%	100
M4544	4	14.5	54	14.5	0	0	13	0	800	8.8%	19.5%	50
M4545	3.5	14.5	52.5	14.5	0	0	15	0	750	12.4%	24.1%	50
M4546	3.5	15	57	14.5	0	0	10	0	800	8.6%	13.8%	0
M4547	3.5	15	56	14.5	0	0	11	0	800	9.3%	15.6%	0
M4548	3.5	15	55	14.5	0	0	12	0	800	10.1%	17.3%	0
M4549	3.5	15	54	14.5	0	0	13	0	750	11.0%	19.1%	0
M4550	4	15	52.5	14.5	0	0	14	0	800	9.9%	20.8%	100
M4551	3	15.5	57	14.5	0	0	10	0	800	10.7%	13.4%	-50
M4552	3	15.5	56	14.5	0	0	11	0	750	11.5%	15.2%	-50
M4553	3	15.5	55	14.5	0	0	12	0	750	12.4%	18.5%	-50
M4554	3.5	15.5	53.5	14.5	0	0	13	0	750	11.3%	18.7%	0
M4555	4	15.5	52	14.5	0	0	14	0	800	10.2%	20.5%	100
M4556	3	16	56.5	14.5	0	0	10	0	800	11.0%	13.1%	-50
M4557	3	16	55.5	14.5	0	0	11	0	750	11.8%	15.3%	-50
M4558	3	16	54.5	14.5	0	0	12	0	800	12.7%	18.2%	-50
M4559	3.5	16	53	14.5	0	0	13	0	750	11.6%	18.4%	0
M4560	4	16	51.5	14.5	0	0	14	0	750	10.4%	20.1%	100

M4561	4	7	54	15	0	0	20	0	750	7.9%	33.9%	200
M4562	4	10	51	15	0	0	20	0	750	11.4%	33.8%	200
M4563	3.5	12	59.5	15	0	0	10	0	800	7.2%	15.7%	0
M4564	3	12	58	15	0	0	12	0	750	10.3%	19.4%	0
M4565	3.5	12	56.5	15	0	0	13	0	750	9.2%	21.1%	50
M4566	3.5	12	55.5	15	0	0	14	0	750	10.0%	22.8%	50
M4567	3.5	12	54.5	15	0	0	15	0	750	10.9%	24.6%	100
M4568	3.5	12.5	59	15	0	0	10	0	800	7.4%	15.4%	0
M4569	3	12.5	57.5	15	0	0	12	0	750	10.6%	19.0%	0
M4570	3	12.5	56.5	15	0	0	13	0	750	11.5%	20.9%	0
M4571	3	12.5	55.5	15	0	0	14	0	750	12.4%	23.0%	0
M4572	3.5	12.5	54	15	0	0	15	0	750	11.2%	24.2%	100
M4573	3.5	13	58.5	15	0	0	10	0	800	7.7%	15.1%	0
M4574	3	13	57	15	0	0	12	0	750	10.9%	18.7%	0
M4575	3	13	56	15	0	0	13	0	750	11.8%	21.1%	0
M4576	3	13	55	15	0	0	14	0	800	12.7%	22.7%	0
M4577	3.5	13	53.5	15	0	0	15	0	750	11.5%	24.1%	50
M4578	3.5	13.5	58	15	0	0	10	0	800	7.9%	14.8%	0
M4579	4	13.5	56.5	15	0	0	11	0	800	7.1%	16.7%	100
M4580	4	13.5	55.5	15	0	0	12	0	800	7.7%	18.4%	50
M4581	4	13.5	54.5	15	0	0	13	0	800	8.4%	20.1%	100
M4582	4	13.5	53.5	15	0	0	14	0	800	9.1%	21.8%	100
M4583	3	14	58	15	0	0	10	0	800	9.8%	14.4%	-50
M4584	3.5	14	56.5	15	0	0	11	0	800	8.8%	16.2%	0
M4585	3.5	14	55.5	15	0	0	12	0	800	9.6%	18.0%	0
M4586	3.5	14	54.5	15	0	0	13	0	750	10.4%	19.7%	50
M4587	4	14	53	15	0	0	14	0	750	9.3%	21.5%	100
M4588	3	14.5	57.5	15	0	0	10	0	800	10.1%	14.1%	-50
M4589	3.5	14.5	56	15	0	0	11	0	800	9.1%	15.9%	0
M4590	3.5	14.5	55	15	0	0	12	0	800	9.9%	17.7%	0
M4591	3.5	14.5	54	15	0	0	13	0	750	10.7%	19.4%	50
M4592	4	14.5	52.5	15	0	0	14	0	750	9.6%	21.1%	100
M4593	3	15	57	15	0	0	10	0	800	10.4%	13.7%	-50
M4594	3	15	56	15	0	0	11	0	750	11.3%	15.6%	-50
M4595	3	15	55	15	0	0	12	0	750	12.1%	18.5%	-50
M4596	3	15	54	15	0	0	13	0	750	13.1%	20.1%	0
M4597	3.5	15	52.5	15	0	0	14	0	750	11.9%	21.5%	50
M4598	4	15	51	15	0	0	15	0	750	10.7%	22.5%	100
M4599	4	15.5	55.5	15	0	0	10	0	800	7.4%	13.6%	50
M4600	4	15.5	54.5	15	0	0	11	0	800	8.0%	15.4%	100
M4601	4	15.5	53.5	15	0	0	12	0	800	8.7%	17.1%	100

M4602	3.5	15.5	52	15	0	0	14	0	750	12.2%	21.7%	50
M4603	3	16	56	15	0	0	10	0	750	11.0%	13.1%	-50
M4604	3	16	55	15	0	0	11	0	750	11.9%	15.4%	-50
M4605	3	16	54	15	0	0	12	0	750	12.8%	18.2%	-50
M4606	3.5	16	52.5	15	0	0	13	0	750	11.6%	18.5%	0
M4607	4	16	51	15	0	0	14	0	750	10.5%	20.1%	100
M4608	3.5	12	59	15.5	0	0	10	0	800	7.2%	15.7%	0
M4609	3	12	57.5	15.5	0	0	12	0	750	10.3%	19.4%	0
M4610	3	12	56.5	15.5	0	0	13	0	750	11.2%	21.2%	0
M4611	3	12	55.5	15.5	0	0	14	0	750	12.1%	23.3%	0
M4612	3	12	54.5	15.5	0	0	15	0	750	13.1%	24.6%	50
M4613	3	12.5	59	15.5	0	0	10	0	800	9.0%	15.3%	-50
M4614	3.5	12.5	57.5	15.5	0	0	11	0	800	8.1%	17.2%	0
M4615	4	12.5	56	15.5	0	0	12	0	800	7.2%	19.1%	100
M4616	4	12.5	55	15.5	0	0	13	0	800	7.9%	20.8%	100
M4617	4	12.5	54	15.5	0	0	14	0	750	8.6%	22.5%	100
M4618	3	13	58.5	15.5	0	0	10	0	800	9.3%	15.0%	-50
M4619	3.5	13	57	15.5	0	0	11	0	800	8.3%	16.9%	0
M4620	4	13	55.5	15.5	0	0	12	0	800	7.5%	18.7%	50
M4621	4	13	54.5	15.5	0	0	13	0	800	8.1%	20.5%	100
M4622	4	13	53.5	15.5	0	0	14	0	750	8.8%	22.1%	100
M4623	3	13.5	58	15.5	0	0	10	0	800	9.6%	14.7%	-50
M4624	3.5	13.5	56.5	15.5	0	0	11	0	800	8.6%	16.5%	0
M4625	3.5	13.5	55.5	15.5	0	0	12	0	750	9.3%	18.3%	50
M4626	3.5	13.5	54.5	15.5	0	0	13	0	750	10.1%	20.1%	50
M4627	3.5	13.5	53.5	15.5	0	0	14	0	750	11.0%	21.8%	50
M4628	4	13.5	52	15.5	0	0	15	0	750	9.9%	23.5%	100
M4629	3	14	56.5	15.5	0	0	11	0	750	10.7%	16.2%	-50
M4630	3	14	55.5	15.5	0	0	12	0	750	11.5%	18.2%	0
M4631	3	14	54.5	15.5	0	0	13	0	750	12.5%	20.7%	0
M4632	3.5	14	53	15.5	0	0	14	0	750	11.3%	21.5%	50
M4633	4	14	51.5	15.5	0	0	15	0	750	10.2%	23.1%	100
M4634	4	14.5	56	15.5	0	0	10	0	800	7.0%	14.2%	50
M4635	4	14.5	55	15.5	0	0	11	0	800	7.6%	16.0%	100
M4636	4	14.5	54	15.5	0	0	12	0	800	8.2%	17.7%	100
M4637	4	14.5	53	15.5	0	0	13	0	800	8.9%	19.4%	100
M4638	3.5	14.5	51.5	15.5	0	0	15	0	750	12.5%	24.0%	50
M4639	3.5	15	56	15.5	0	0	10	0	800	8.7%	13.8%	50
M4640	3.5	15	55	15.5	0	0	11	0	800	9.4%	15.6%	0
M4641	3.5	15	54	15.5	0	0	12	0	750	10.2%	17.3%	0
M4642	4	15	52.5	15.5	0	0	13	0	800	9.2%	19.1%	100

M4643	3.5	15	51	15.5	0	0	15	0	750	12.8%	23.7%	50
M4644	3.5	15.5	55.5	15.5	0	0	10	0	800	8.9%	13.5%	50
M4645	3.5	15.5	54.5	15.5	0	0	11	0	800	9.7%	15.2%	50
M4646	3.5	15.5	53.5	15.5	0	0	12	0	750	10.5%	17.0%	0
M4647	4	15.5	52	15.5	0	0	13	0	750	9.4%	18.8%	100
M4648	4	15.5	50	15.5	0	0	15	0	750	11.0%	22.1%	150
M4649	4	16	54.5	15.5	0	0	10	0	800	7.7%	13.3%	50
M4650	4	16	53.5	15.5	0	0	11	0	800	8.3%	15.0%	100
M4651	4	16	52.5	15.5	0	0	12	0	800	9.0%	16.7%	100
M4652	3.5	16	51	15.5	0	0	14	0	750	12.5%	21.8%	50
M4653	3.75	8	52.25	16	0	0	20	0	750	9.2%	32.6%	200
M4654	3	12	59	16	0	0	10	0	750	8.8%	15.6%	-50
M4655	3.5	12	57.5	16	0	0	11	0	800	7.9%	17.5%	50
M4656	4	12	56	16	0	0	12	0	800	7.0%	19.3%	100
M4657	4	12	55	16	0	0	13	0	800	7.6%	21.1%	100
M4658	4	12	54	16	0	0	14	0	750	8.3%	22.8%	100
M4659	3	12.5	58.5	16	0	0	10	0	750	9.0%	15.3%	-50
M4660	3.5	12.5	57	16	0	0	11	0	800	8.1%	17.2%	0
M4661	4	12.5	55.5	16	0	0	12	0	800	7.3%	19.0%	100
M4662	4	12.5	54.5	16	0	0	13	0	800	7.9%	20.8%	100
M4663	4	12.5	53.5	16	0	0	14	0	750	8.6%	22.5%	100
M4664	3	13	58	16	0	0	10	0	750	9.3%	15.0%	-50
M4665	3.5	13	56.5	16	0	0	11	0	800	8.4%	16.8%	0
M4666	4	13	55	16	0	0	12	0	800	7.5%	18.7%	50
M4667	4	13	54	16	0	0	13	0	800	8.1%	20.4%	100
M4668	4	13	53	16	0	0	14	0	750	8.8%	22.1%	100
M4669	3	13.5	57.5	16	0	0	10	0	750	9.6%	14.7%	-50
M4670	3.5	13.5	56	16	0	0	11	0	800	8.6%	16.5%	0
M4671	3.5	13.5	55	16	0	0	12	0	750	9.4%	18.3%	50
M4672	3.5	13.5	54	16	0	0	13	0	750	10.1%	20.1%	50
M4673	4	13.5	52.5	16	0	0	14	0	750	9.1%	21.8%	100
M4674	3	14	57	16	0	0	10	0	750	9.9%	14.4%	-50
M4675	3.5	14	55.5	16	0	0	11	0	800	8.9%	16.2%	0
M4676	3.5	14	54.5	16	0	0	12	0	750	9.6%	18.0%	0
M4677	3.5	14	53.5	16	0	0	13	0	750	10.4%	19.7%	50
M4678	4	14	52	16	0	0	14	0	750	9.4%	21.5%	100
M4679	3	14.5	56.5	16	0	0	10	0	750	10.2%	14.1%	-50
M4680	3	14.5	55.5	16	0	0	11	0	750	11.0%	15.9%	-50
M4681	3	14.5	54.5	16	0	0	12	0	750	11.9%	18.5%	0
M4682	3	14.5	53.5	16	0	0	13	0	750	12.8%	20.4%	0
M4683	3.5	14.5	52	16	0	0	14	0	750	11.6%	21.5%	50

M4684	4	14.5	50.5	16	0	0	15	0	750	10.5%	22.8%	100
M4685	4	15	55	16	0	0	10	0	800	7.3%	13.9%	50
M4686	4	15	54	16	0	0	11	0	800	7.8%	15.7%	100
M4687	4	15	53	16	0	0	12	0	800	8.5%	17.4%	100
M4688	3.5	15	51.5	16	0	0	14	0	750	11.9%	21.7%	50
M4689	4	15	50	16	0	0	15	0	750	10.8%	22.4%	150
M4690	4	15.5	54.5	16	0	0	10	0	800	7.5%	13.6%	50
M4691	4	15.5	53.5	16	0	0	11	0	800	8.1%	15.3%	100
M4692	4	15.5	52.5	16	0	0	12	0	800	8.7%	17.1%	100
M4693	3.5	15.5	51	16	0	0	14	0	750	12.2%	22.0%	50
M4694	3	16	55	16	0	0	10	0	750	11.0%	13.1%	-50
M4695	3	16	54	16	0	0	11	0	750	11.9%	15.7%	-50
M4696	3	16	53	16	0	0	12	0	750	12.8%	18.2%	-50
M4697	3.5	16	51.5	16	0	0	13	0	750	11.6%	18.8%	50
M4698	4	16	50	16	0	0	14	0	750	10.5%	20.1%	100
M4699	3.75	8	51.25	17	0	0	20	0	750	9.2%	32.6%	200
M4700	4	16	61.6	0	0	3.4	15	0	950	10.7%	22.2%	0
M4701	4	11	47	18	0	0	20	0	750	12.6%	33.1%	200
M4702	3.9	12	46.1	14	4	0	10	10	750	7.2%	18.4%	200
M4703	4	16	61.4	0	0	3.6	15	0	950	10.6%	22.2%	0
M4704	3	11	70	8	0	0	8	0	900	7.0%	12.8%	-50
M4705	4	10	48	18	0	0	20	0	750	11.5%	33.6%	200
M4706	3.5	12	48.5	14	10	0	10	2	700	8.1%	6.4%	200

Microstructural Criteria:

[0050] In some embodiments, the alloy can be described by one or more of the microstructural features it possesses. Similar to the concepts described as the thermodynamic material it is desirable to have a FCC (austenite) Fe-based matrix phase with a high fraction of extremely hard particles to increase wear resistance. These microstructural criteria are demonstrated in **Figure 3**.

[0051] A first microstructural criterion is related to the Fe-based matrix phase being predominantly austenitic **[301]**, the non-magnetic form of iron or steel. Ferrite and martensite are the two most common and likely forms of the matrix phase in this alloy space. Both are highly magnetic and will prevent the hardfacing alloy from meeting the magnetic performance requirements if present in sufficient quantities. In some embodiments, the matrix can be at least 90% volume fraction austenite (or at least about 90 volume %

austenite). In some embodiments, the matrix can be at least 95% volume fraction austenite (or at least about 95 volume % austenite). In some embodiments, the matrix can be at least 99% volume fraction austenite (or at least about 99 volume % austenite).

[0052] A second microstructural criteria is related to the total measured volume fraction of extremely hard particles **[302]**. In some embodiments, the alloy can possess at least 5 volume % (or at least about 5 volume %) of extremely hard particles. In some embodiments, the alloy can possess 10 volume % (or at least about 10 volume %) of extremely hard particles. In some embodiments, the alloy can possess 15 volume % (or at least about 15 volume %) of extremely hard particles.

[0053] In some embodiments, it can be advantageous for the alloy to have an increased resistance to corrosion. To increase the resistance to corrosion, it is well known that a high weight % of chromium must be in the matrix. An Energy Dispersive Spectrometer, for example, can be used to determine the weight % of chromium in the matrix **[303]**. In some embodiments, the content of chromium in the matrix can be 7 weight % (or about 7 weight %) or higher. In some embodiments, the content of chromium in the matrix can be 10 weight % (or about 10 weight %) or higher. In some embodiments, the content of chromium in the matrix can be 12 weight % (or about 12 weight %) or higher.

Performance Criteria:

[0054] In some embodiments, the alloy can be described by meeting one or more advantageous performance characteristics. The abrasion resistance of hardfacing alloys is commonly characterized by the ASTM G65 dry sand abrasion test, hereby incorporated by reference in its entirety. The manufacturability is commonly characterized by the yield of intended powder size produced during the manufacturing process. To determine if the alloy is non-magnetic, a magnetic permeability test is commonly used to characterize the material. The corrosion resistance of the material is commonly characterized using the ASTM G31 standard, hereby incorporated by reference in its entirety. The crack resistance of the material is commonly characterized using the ASTM E1417 standard, hereby incorporated by reference in its entirety.

[0055] In some embodiments, the hardfacing alloy layer can have an ASTM G65 abrasion loss less than 1.5 grams (or less than about 1.5 grams). In some embodiments, the

hardfacing alloy layer can have an ASTM G65 abrasion loss of less than 1.25 grams (or less than about 1.25 grams). In some embodiments, the hardfacing alloy layer can have an ASTM G65 abrasion loss of less than 1.1 grams (or less than about 1.1 grams).

[0056] In some embodiments, the hardfacing alloy can have a relative magnetic permeability of 1.03 μ or less (or about 1.03 μ or less). In some embodiments, the hardfacing alloy can have a relative magnetic permeability of 1.02 μ or less (or about 1.02 μ or less). In some embodiments, the hardfacing alloy can have a relative magnetic permeability of 1.01 μ or less (or about 1.01 μ or less).

[0057] In some embodiments, the alloy can exhibit 2 inches or less (or about 2 inches or less) of lateral cracking per square inch of as-welded hardfacing. In some embodiments, the alloy can exhibit 1.5 inches or less (or about 1.5 inches or less) of lateral cracking per square inch of as-welded hardfacing. In some embodiments, the alloy can exhibit 1 inch or less (or about 1 inch or less) of lateral cracking per square inch of as-welded hardfacing.

[0058] In some embodiments, the alloy can have a corrosion resistance of 5mpy or less (or about 5mpy or less) in salt water via ASTM G31. In some embodiments, the alloy can have a corrosion resistance of 3mpy or less (or about 3mpy or less) in salt water via ASTM G31. In some embodiments, the alloy can have a corrosion resistance of 1mpy or less (or about 1mpy or less) in salt water via ASTM G31.

[0059] Further, it is often beneficial to manufacture an alloy into a powder as an intermediary step in producing a bulk product or applying a coating to a substrate. Powder is manufactured via atomization or other manufacturing methods. The feasibility of such a process for a particular alloy is often a function of the alloy's solidification behavior and thus its thermodynamic characteristics.

[0060] To make a production of powder for processes such as plasma transferred arc (PTA), high velocity oxygen fuel (HVOF), laser welding, and other powder metallurgy processes, it can be advantageous to be able to manufacture the powder at high yields in the size range specified above. The manufacturing process can include forming a melt of the alloy, forcing the melt through a nozzle to form a stream of material, and spraying water or

air at the produced stream of the melt to solidify it into a powder form. The powder is then sifted to eliminate any particles that do not meet the specific size requirements.

[0061] Embodiments of the disclosed alloys can be produced as powders in high yields to be used in such processes. On the other hand, many alloys, such as other common wear resistant materials, would have low yields due to their properties, such as their thermodynamic properties, when atomized into a powder. Thus, they would not be suitable for powder manufacture.

[0062] In some embodiments, the hardfacing alloy can be manufactured into a 53-180 μm (or about 53 to about 180 μm) powder size distribution at a 50% (or about 50%) or greater yield. In some embodiments, the hardfacing alloy can be manufactured into a 53-180 μm (or about 53 to about 180 μm) powder size distribution at a 60% (or about 60%) or greater yield. In some embodiments, the hardfacing alloy can be manufactured into a 53-180 μm (or about 53 to about 180 μm) powder size distribution at a 70% (or about 70%) or greater yield.

Examples:

[0063] The following examples are intended to be illustrative and non-limiting.

Example 1

[0064] Alloys 3-8 listed in Table 1 were successfully produced via commercial atomization processes into the 53-180 μm size for the purpose of using it as feedstock for plasma transferred arc welding and laser cladding. Alloys 1 and 2 are the nominal chemistries for the manufactured powders listed in Table 1. These powders were used in the plasma transferred arc welding process with the parameters provided in Table 5 to produce a hardfacing layer.

Table 5: Plasma transferred arc welding parameters used to produce Alloys 3-8 as a hardfacing layer.

Voltage	Amperage	Powder Feed	Traverse Rate	Width	Thickness
28V	180A	34g/min	46mm/min	24mm	3mm

[0065] The manufactured powders were characterized according to the thermodynamic criteria in this disclosure. The results of the thermodynamic properties for each Alloy are shown in Table 6.

Table 6: Thermodynamic properties used to characterize Alloys 3-8.

Alloy	FCC-BCC Transition Temp.	Total Fraction of Hard Phase	Hard Phase Melt Range	Mole% of Cr in Matrix
3	800K	22%	100K	11.3%
4	850K	24.5%	0K	12.8%
5	750K	21.5%	50K	11.8%
6	850K	24.5%	0K	12.9%
7	750K	24%	100K	12.3%
8	850K	23.5%	0K	12.8%

[0066] The hardfacing layers were cross-sectioned, and the microstructures were characterized according to the microstructural criteria in this disclosure. The results of the microstructural properties for each alloy are listed in Table 7.

Table 7: Microstructural properties used to characterize Alloys 3-8.

Alloy	% of Matrix that is Austenite	Total Volume Fraction of Hard Phase	Weight% Cr in the Matrix
3	99%	22%	14
4	99%	25%	12
5	99%	22%	13
6	99%	25%	12
7	99%	24%	14
8	99%	24%	12

[0067] Additionally, each hardfacing layer was characterized according to the performance criteria in the disclosure. 100% of the manufactured alloys that met the thermodynamic criteria, result in a microstructure that meet the microstructural criteria. Thus, the disclosed thermodynamic criteria are a good indicator of the microstructure. The performance properties for each alloy are listed in Table 8.

Table 8: Performance properties used to characterize Alloys 3-8.

Alloy	G65A Mass Loss	Magnetic Permeability	Cracking per Square Inch	Can be manufactured into a powder?
3	0.11g	<1.02 μ	0	Yes
4	0.13g	<1.02 μ	0	Yes
5	0.22g	<1.02 μ	0	Yes
6	0.49g	<1.02 μ	0	Yes
7	0.16g	<1.02 μ	0	Yes
8	0.16g	<1.02 μ	0	Yes

[0068] 100% of the manufactured alloys which meet the microstructural criteria also meet the performance criteria. Thus, the disclosed microstructural criteria are a good indicator of performance. As for the powder manufacturability, this relates back to the thermodynamic criteria of hard phase melt range.

Applications

[0069] The alloys described in this patent can be used in a variety of applications and industries. Some non-limiting examples of applications of use include:

[0070] Surface Mining applications include the following components and coatings for the following components: Wear resistant sleeves and/or wear resistant hardfacing for slurry pipelines, mud pump components including pump housing or impeller or hardfacing for mud pump components, ore feed chute components including chute blocks or hardfacing of chute blocks, separation screens including but not limited to rotary breaker screens, banana screens, and shaker screens, liners for autogenous grinding mills and semi-autogenous grinding mills, ground engaging tools and hardfacing for ground engaging tools, wear plate for buckets and dumptruck liners, heel blocks and hardfacing for heel blocks on mining shovels, grader blades and hardfacing for grader blades, stacker reclaimers, sizer crushers, general wear packages for mining components and other comminution components.

[0071] Downstream oil and gas applications include the following components and coatings for the following components: Downhole casing and downhole casing, drill pipe and coatings for drill pipe including hardbanding, mud management components, mud motors, fracking pump sleeves, fracking impellers, fracking blender pumps, stop collars, drill bits and drill bit components, directional drilling equipment and coatings for directional

drilling equipment including stabilizers and centralizers, blow out preventers and coatings for blow out preventers and blow out preventer components including the shear rams, oil country tubular goods and coatings for oil country tubular goods.

[0072] Upstream oil and gas applications include the following components and coatings for the following components: Process vessels and coating for process vessels including steam generation equipment, amine vessels, distillation towers, cyclones, catalytic crackers, general refinery piping, corrosion under insulation protection, sulfur recovery units, convection hoods, sour stripper lines, scrubbers, hydrocarbon drums, and other refinery equipment and vessels.

[0073] Pulp and paper applications include the following components and coatings for the following components: Rolls used in paper machines including yankee dryers and other dryers, calendar rolls, machine rolls, press rolls, digesters, pulp mixers, pulpers, pumps, boilers, shredders, tissue machines, roll and bale handling machines, doctor blades, evaporators, pulp mills, head boxes, wire parts, press parts, M.G. cylinders, pope reels, winders, vacuum pumps, deflakers, and other pulp and paper equipment,

[0074] Power generation applications include the following components and coatings for the following components: boiler tubes, precipitators, fireboxes, turbines, generators, cooling towers, condensers, chutes and troughs, augers, bag houses, ducts, ID fans, coal piping, and other power generation components.

[0075] Agriculture applications include the following components and coatings for the following components: chutes, base cutter blades, troughs, primary fan blades, secondary fan blades, augers and other agricultural applications.

[0076] Construction applications include the following components and coatings for the following components: cement chutes, cement piping, bag houses, mixing equipment and other construction applications

[0077] Machine element applications include the following components and coatings for the following components: Shaft journals, paper rolls, gear boxes, drive rollers, impellers, general reclamation and dimensional restoration applications and other machine element applications

[0078] Steel applications include the following components and coatings for the following components: cold rolling mills, hot rolling mills, wire rod mills, galvanizing lines, continue pickling lines, continuous casting rolls and other steel mill rolls, and other steel applications.

[0079] The alloys described in this patent can be produced and or deposited in a variety of techniques effectively. Some non-limiting examples of processes include:

[0080] Thermal spray process including those using a wire feedstock such as twin wire arc, spray, high velocity arc spray, combustion spray and those using a powder feedstock such as high velocity oxygen fuel, high velocity air spray, plasma spray, detonation gun spray, and cold spray. Wire feedstock can be in the form of a metal core wire, solid wire, or flux core wire. Powder feedstock can be either a single homogenous alloy or a combination of multiple alloy powder which result in the desired chemistry when melted together.

[0081] Welding processes including those using a wire feedstock including but not limited to metal inert gas (MIG) welding, tungsten inert gas (TIG) welding, arc welding, submerged arc welding, open arc welding, bulk welding, laser cladding, and those using a powder feedstock including but not limited to laser cladding and plasma transferred arc welding. Wire feedstock can be in the form of a metal core wire, solid wire, or flux core wire. Powder feedstock can be either a single homogenous alloy or a combination of multiple alloy powder which result in the desired chemistry when melted together.

[0082] Casting processes including processes typical to producing cast iron including but not limited to sand casting, permanent mold casting, chill casting, investment casting, lost foam casting, die casting, centrifugal casting, glass casting, slip casting and process typical to producing wrought steel products including continuous casting processes.

[0083] Post processing techniques including but not limited to rolling, forging, surface treatments such as carburizing, nitriding, carbonitriding, boriding, heat treatments including but not limited to austenitizing, normalizing, annealing, stress relieving, tempering, aging, quenching, cryogenic treatments, flame hardening, induction hardening, differential hardening, case hardening, decarburization, machining, grinding, cold working, work hardening, and welding.

[0084] From the foregoing description, it will be appreciated that inventive products and approaches for non-magnetic alloys are disclosed. While several components, techniques and aspects have been described with a certain degree of particularity, it is manifest that many changes can be made in the specific designs, constructions and methodology herein above described without departing from the spirit and scope of this disclosure.

[0085] Certain features that are described in this disclosure in the context of separate implementations can also be implemented in combination in a single implementation. Conversely, various features that are described in the context of a single implementation can also be implemented in multiple implementations separately or in any suitable subcombination. Moreover, although features may be described above as acting in certain combinations, one or more features from a claimed combination can, in some cases, be excised from the combination, and the combination may be claimed as any subcombination or variation of any subcombination.

[0086] Moreover, while methods may be depicted in the drawings or described in the specification in a particular order, such methods need not be performed in the particular order shown or in sequential order, and that all methods need not be performed, to achieve desirable results. Other methods that are not depicted or described can be incorporated in the example methods and processes. For example, one or more additional methods can be performed before, after, simultaneously, or between any of the described methods. Further, the methods may be rearranged or reordered in other implementations. Also, the separation of various system components in the implementations described above should not be understood as requiring such separation in all implementations, and it should be understood that the described components and systems can generally be integrated together in a single product or packaged into multiple products. Additionally, other implementations are within the scope of this disclosure.

[0087] Conditional language, such as “can,” “could,” “might,” or “may,” unless specifically stated otherwise, or otherwise understood within the context as used, is generally intended to convey that certain embodiments include or do not include, certain features,

elements, and/or steps. Thus, such conditional language is not generally intended to imply that features, elements, and/or steps are in any way required for one or more embodiments.

[0088] Conjunctive language such as the phrase “at least one of X, Y, and Z,” unless specifically stated otherwise, is otherwise understood with the context as used in general to convey that an item, term, etc. may be either X, Y, or Z. Thus, such conjunctive language is not generally intended to imply that certain embodiments require the presence of at least one of X, at least one of Y, and at least one of Z.

[0089] Language of degree used herein, such as the terms “approximately,” “about,” “generally,” and “substantially” as used herein represent a value, amount, or characteristic close to the stated value, amount, or characteristic that still performs a desired function or achieves a desired result. For example, the terms “approximately”, “about”, “generally,” and “substantially” may refer to an amount that is within less than or equal to 10% of, within less than or equal to 5% of, within less than or equal to 1% of, within less than or equal to 0.1% of, and within less than or equal to 0.01% of the stated amount. If the stated amount is 0 (e.g., none, having no), the above recited ranges can be specific ranges, and not within a particular % of the value. For example, within less than or equal to 10 wt./vol. % of, within less than or equal to 5 wt./vol. % of, within less than or equal to 1 wt./vol. % of, within less than or equal to 0.1 wt./vol. % of, and within less than or equal to 0.01 wt./vol. % of the stated amount.

[0090] Some embodiments have been described in connection with the accompanying drawings. The figures are drawn to scale, but such scale should not be limiting, since dimensions and proportions other than what are shown are contemplated and are within the scope of the disclosed inventions. Distances, angles, etc. are merely illustrative and do not necessarily bear an exact relationship to actual dimensions and layout of the devices illustrated. Components can be added, removed, and/or rearranged. Further, the disclosure herein of any particular feature, aspect, method, property, characteristic, quality, attribute, element, or the like in connection with various embodiments can be used in all other embodiments set forth herein. Additionally, it will be recognized that any methods described herein may be practiced using any device suitable for performing the recited steps.

[0091] While a number of embodiments and variations thereof have been described in detail, other modifications and methods of using the same will be apparent to those of skill in the art. Accordingly, it should be understood that various applications, modifications, materials, and substitutions can be made of equivalents without departing from the unique and inventive disclosure herein or the scope of the claims.

WHAT IS CLAIMED IS:

1. An alloy comprising:
a matrix having a FCC-BCC transition temperature at or below 950K; and
extremely hard particles exhibiting a hardness of 1000 Vickers or greater, the
extremely hard particles having:
an extremely hard particle fraction of 5 mole % or greater; and
an extremely hard particle melt range of 200K or less
wherein the alloy comprises Fe and, in weight percent:.
C: 2.25 to 4.95;
Cr: 9 to 18.15;
Mn: 7.65 to 15.95; and
V: 9.0 to 17.6.
2. The alloy of Claim 1, wherein the matrix comprises at least 6.3 mole % chromium.
3. The alloy of Claim 1, the alloy comprising:
at least 90% volume fraction austenite in the matrix;
a fraction of the extremely hard particles is 5 volume % or greater;
an ASTM G65 abrasion loss of 1.5g or less;
a relative magnetic permeability of 1.03 μ or lower; and
a corrosion resistance of 5mpy or less in salt water according to ASTM G31;
wherein the matrix does not contain any extremely hard particles that begin to
form at a temperature greater than 200K above a formation temperature of the matrix.
4. The alloy of Claim 1, further comprising, in weight percent:
V: 12.15 to 17.6.
5. The alloy of Claim 1, wherein the alloy comprises 10.8 wt. % to 13 wt. % chromium.
6. The alloy of Claim 1, wherein the alloy comprises 9.4 wt. % to 12 wt. % chromium.
7. The alloy of Claim 1, wherein the alloy is a powder.
8. The alloy of Claim 1, wherein the alloy is a wire.

9. The alloy of Claim 1, wherein a powder feedstock forming the alloy comprises Fe and, in weight %:

C: 3.0, Cr: 12.0, Mn: 12.0, V: 15.0;
 C: 4.0, Cr: 16.0, Mn: 12.0, V: 15.0;
 C: 4.0, Cr: 16.0, Mn: 13.4, V: 15.1;
 C: 3.0, Cr: 12.1, Mn: 9.8, V: 14.9;
 C: 3.8, Cr: 16.0, Mn: 13.7, V: 14.7;
 C: 2.8, Cr: 12.5, Mn: 10.4, V: 15.3;
 C: 3.9, Cr: 16.1, Mn: 14.0, V: 15.6;
 C: 2.9, Cr: 12.1, Mn: 9.6, V: 14.4;
 C: 2.6, Cr: 11.9, Mn: 11.6, V: 10.0; or
 C: 2.6, Cr: 11.9, Mn: 8.5, V: 10.6.

10. A drill pipe tool joint, drill collar, down hole stabilizer or oilfield component used in directional drilling applications with the alloy of Claim 1 applied as a hardfacing layer.

11. An alloy comprising:

Fe;
 C: 2.25 to 4.95;
 Cr: 9 to 18.15;
 Mn: 7.65 to 15.95; and
 V: 9.0 to 17.6;

a matrix comprising at least 90% volume fraction austenite; and
 extremely hard particles exhibiting a hardness of 1000 Vickers or greater, the
 extremely hard particles having a fraction of 5 volume % or greater;

wherein the matrix does not contain any extremely hard particles that begin to
 form at a temperature greater than 200K above a formation temperature of the matrix.

12. The alloy of Claim 11, wherein the matrix comprises at least 6.3 weight % chromium.

13. The alloy of Claim 11, further comprising, in weight percent:
 V: 12.15 to 17.6.

14. The alloy of Claim 11, wherein the alloy comprises 10.8 wt. % to 13 wt. % chromium.

15. The alloy of Claim 11, wherein the alloy comprises 9.4 wt. % to 12 wt. % chromium.
16. The alloy of Claim 11, wherein the alloy is a powder.
17. The alloy of Claim 11, wherein the alloy is a wire.
18. The alloy of Claim 11, wherein a powder feedstock forming the alloy comprises Fe and, in weight %:
- C: 3.0, Cr: 12.0, Mn: 12.0, V: 15.0;
 - C: 4.0, Cr: 16.0, Mn: 12.0, V: 15.0;
 - C: 4.0, Cr: 16.0, Mn: 13.4, V: 15.1;
 - C: 3.0, Cr: 12.1, Mn: 9.8, V: 14.9;
 - C: 3.8, Cr: 16.0, Mn: 13.7, V: 14.7;
 - C: 2.8, Cr: 12.5, Mn: 10.4, V: 15.3;
 - C: 3.9, Cr: 16.1, Mn: 14.0, V: 15.6;
 - C: 2.9, Cr: 12.1, Mn: 9.6, V: 14.4;
 - C: 2.6, Cr: 11.9, Mn: 11.6, V: 10.0; or
 - C: 2.6, Cr: 11.9, Mn: 8.5, V: 10.6.
19. A drill pipe tool joint, drill collar, down hole stabilizer or oilfield component used in directional drilling applications with the alloy of Claim 11 applied as a hardfacing layer.

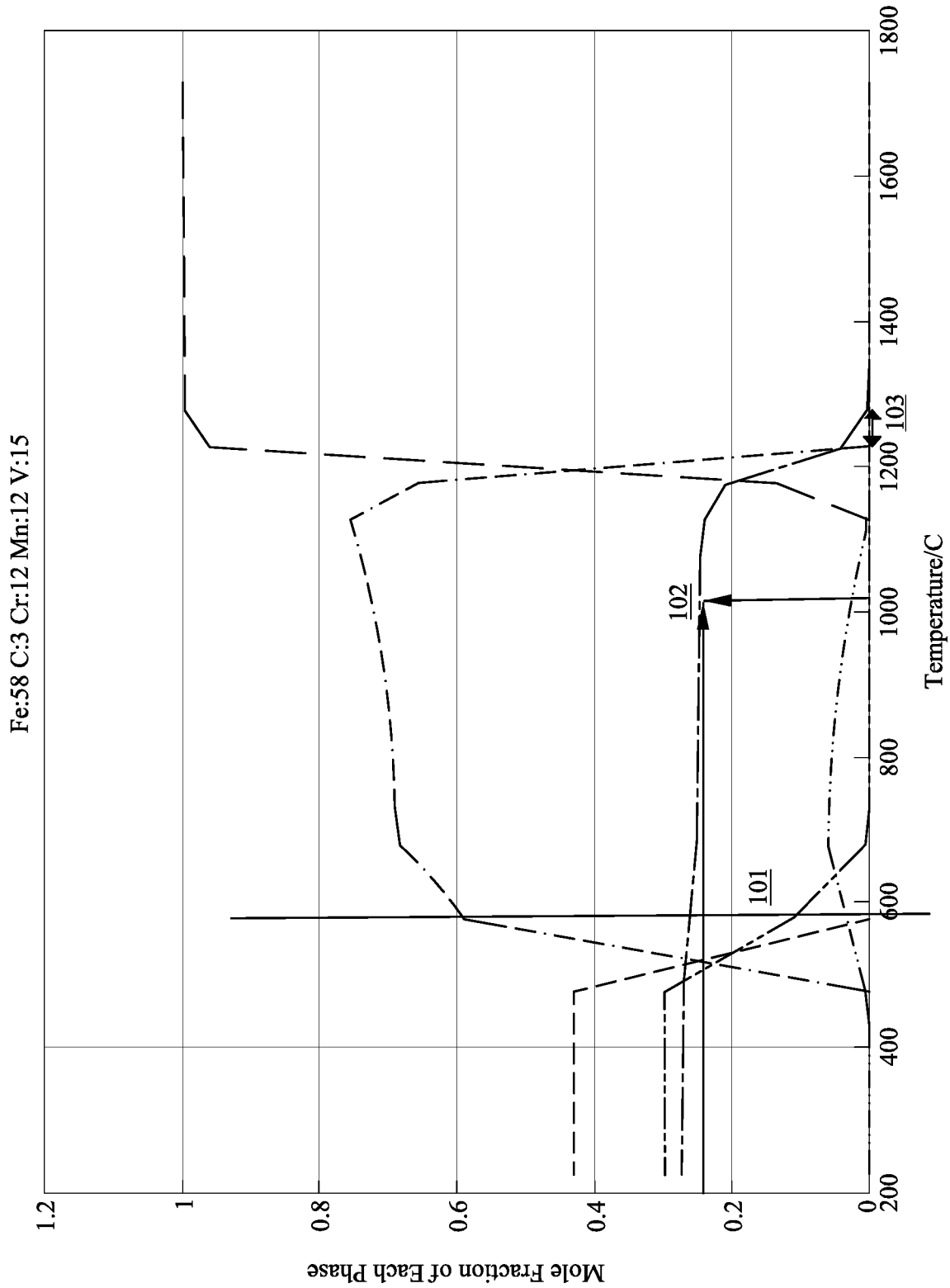


FIG. 1

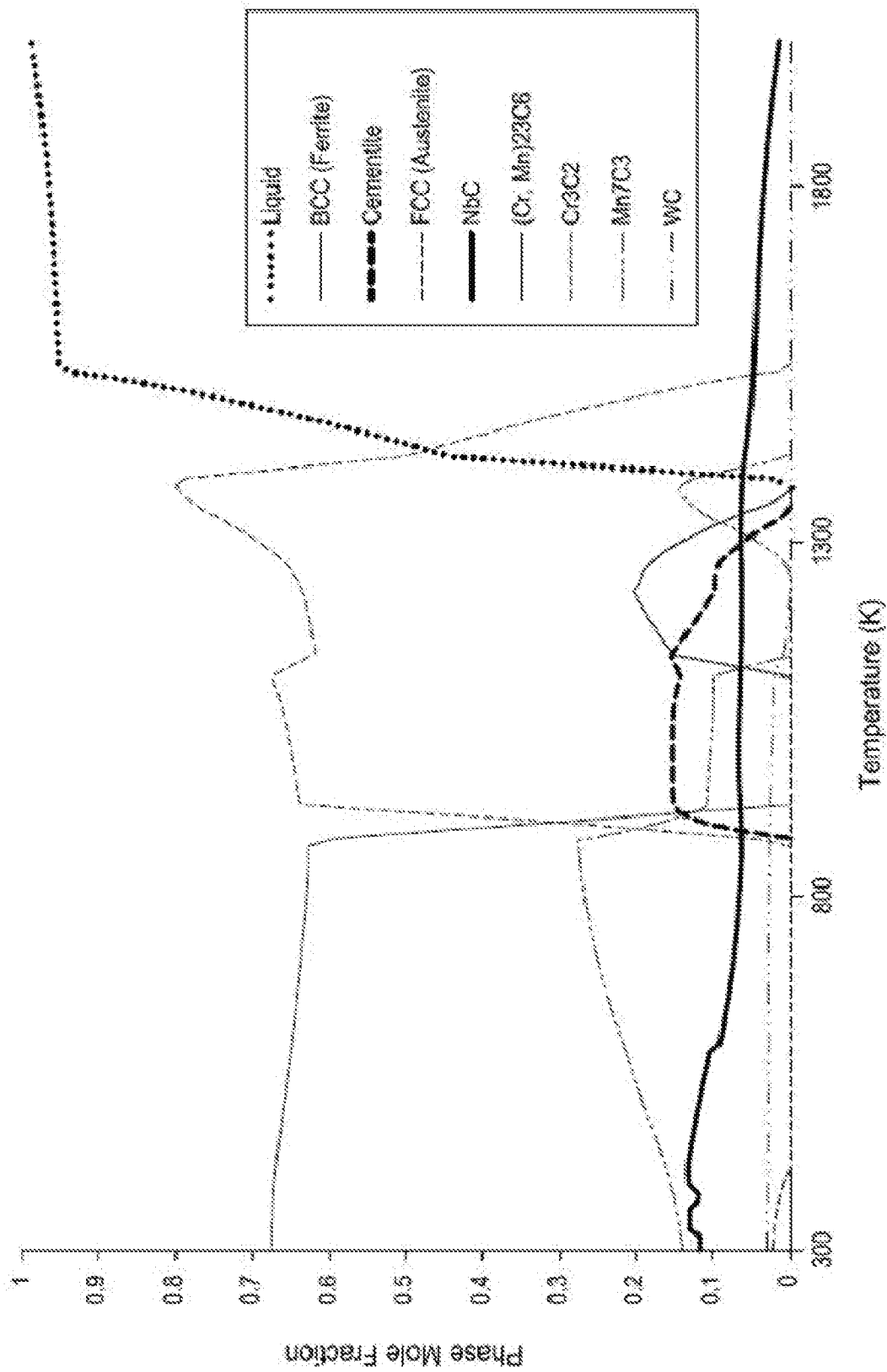
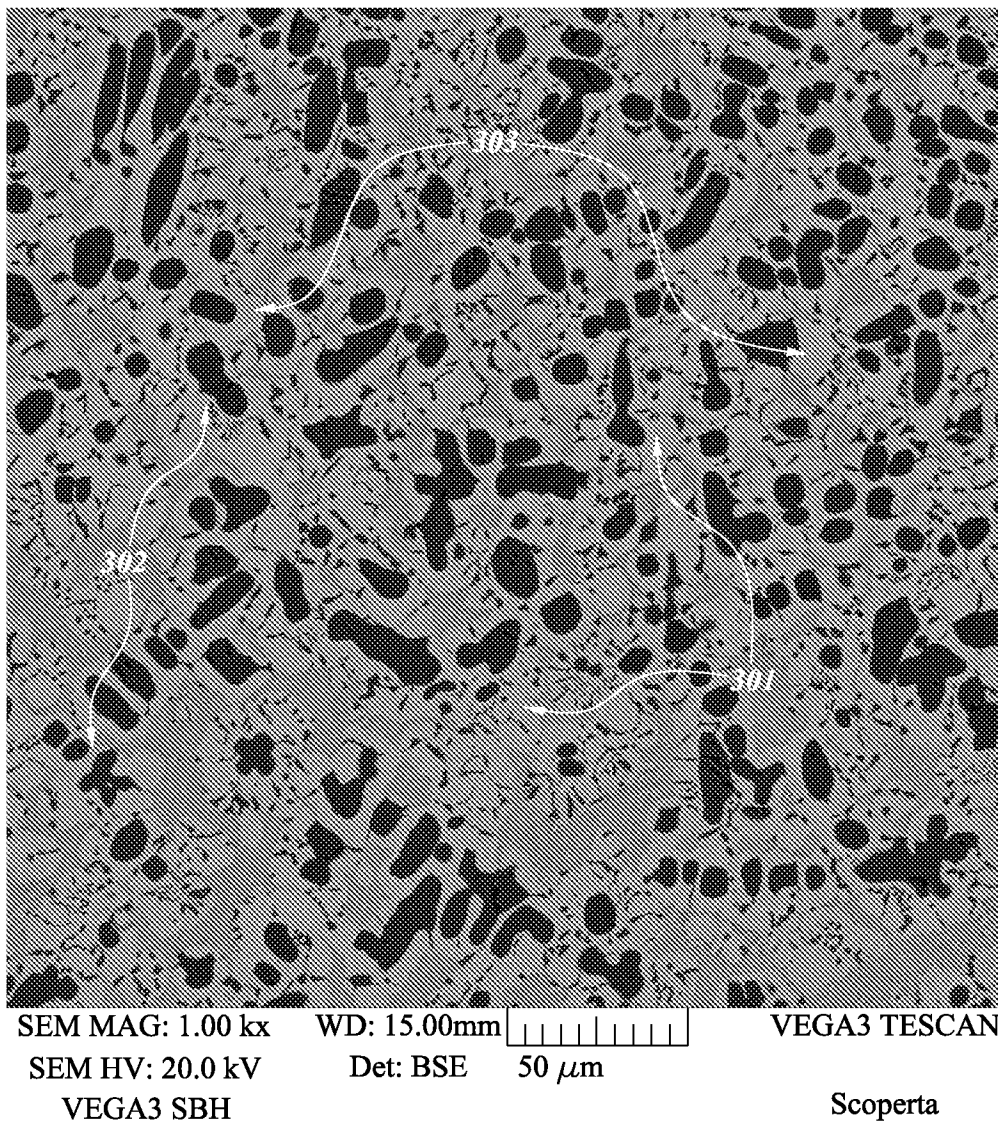


FIG. 2

*FIG. 3*